

**NYC Maspeth Site**  
**Draft Upland Site Summary**

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**SITE NAME: MASPETH**

Address: 57-15 49 Street, Maspeth, Queens  
Tax Lot Parcel(s): Block 2575, Lot 26  
Latitude:  
Longitude:  
Regulatory Programs/ Environmental Remediation Project (terminated December 2010)  
Numbers/Codes: DEC Spill Numbers 0801483, 0313650, 9209704, 9804647  
Analytical Data Status:  Electronic Data Available  Hardcopies only  
 No Data Available

**1 SUMMARY OF CONSTITUENTS OF POTENTIAL CONCERN (COPCS) TRANSPORT PATHWAYS TO THE CREEK**

The current understanding of the transport mechanisms of contaminants from the upland portions of the facility to Newtown Creek is summarized in this section and Table 1.

**Overland Transport:**

This pathway is not present historically or currently, as the site is not adjacent to the waterway.

**Bank Erosion:**

This pathway is not present historically or currently, as the site is not adjacent to the waterway.

**Groundwater:**

The results of the groundwater sampling of shallow monitoring wells showed minor concentrations of VOCs at the site. The elevations of the wells at the site were surveyed and groundwater flow direction maps were prepared for high and low tide conditions in the event that the groundwater is tidally influenced. The results were consistent with the regional flow direction as well as site-specific directions determined by previous

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investigations. There were no detections of VOCs, SVOCs, pesticides, or PCBs in the three deeper wells at the site. The deep wells are all screened from 20 to 30 feet below grade. Depth to groundwater is approximately 10 feet below ground surface and the groundwater flow direction is generally to the southwest and is very likely to discharge to Maspeth Creek, but it does not appear there are COPCs present in significant concentrations in the groundwater tested in 2005.

Floating petroleum product was discovered in two monitoring wells and a 20,000-gallon Underground Storage Tank (UST) was discovered in 2004, so groundwater may have been affected and may have been considered a potentially complete historic pathway. The UST was subsequently removed. However, according to the 2005 Phase II Investigation, the results of the surface water and sediment testing show that Maspeth Creek is not significantly impacted by contamination and, also, there is no clear evidence that the contamination emanating from the site has impacted the sediments or surface waters of Maspeth Creek. Based on this study, there is an indication that groundwater may not be a complete pathway of COPCs to the creek. Because additional studies are needed to confirm this conclusion, there is insufficient information to make a determinative conclusion as to whether it is a potentially complete current pathway.

#### **Overwater Activities:**

The site is not adjacent to Newtown Creek and associated waterways and therefore, has no overwater activities. This pathway is not historically or currently complete.

#### **Stormwater/Wastewater Systems:**

No stormwater or wastewater infrastructure was identified on available site drawings or aerial photos. There is no existing SPDES permit for the site. Based on the site topography, it is possible that stormwater at the site could infiltrate into the ground, flow towards Maspeth Creek, or flow into a storm water catch basin. There is insufficient evidence to make a current or historic pathway determination.

#### **Air Releases:**

Information related to air discharges was not located for this site. There is insufficient evidence to make a pathway determination.



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### 2 PROJECT STATUS

The Site has undergone a site assessment and investigation and certain remediation activities under the State's Environmental Restoration Program (ERP) through a State Assistance Contract (SAC).<sup>1</sup> According to the Phase I ESA and a Phase II Remedial Investigation of the Site generated in May 2005 pursuant to the SAC, a Phase I and Phase II ESAs were completed before the City's condemnation of the property in 1994, and a Phase II ESA for the adjoining property to the east (New York City Tax Nos. 225 and 240) of the subject site was conducted in 1996. The May 2005 Phase II also noted and described the additional site investigation that was completed by the Port Authority as part of a study to determine if the property was acceptable as a possible location for a portion of the Air Train Rail Project in 1998.

During the May 2005 Phase II investigation, a 20,000-gallon Underground Storage Tank (UST) was discovered in 2004, along with floating petroleum product in two monitoring wells that are tidally influenced. A DEC Spill Report was filed when the UST was discovered and the consultant noted significant petroleum staining. The 20,000-gallon UST was removed in the spring and summer of 2008.

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<sup>1</sup> Terminated by mutual consent of the DEC and DEP in December 2010.

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Activity		Date(s)/Comments
Phase 1 Environmental Site Assessment	<input checked="" type="checkbox"/>	October 1990 <sup>1</sup>
Site Characterization	<input checked="" type="checkbox"/>	1994, <sup>1</sup> 1998, <sup>1</sup> and May 2005
Remedy Selection	<input type="checkbox"/>	
Remedial Design/Remedial Action Implementation	<input checked="" type="checkbox"/>	Removal of 20,000-gallon UST.
Use Restrictions (Environmental Easements or Institutional Controls)	<input type="checkbox"/>	
Construction Completion	<input type="checkbox"/>	
Site Closeout/No Further Action Determination	<input checked="" type="checkbox"/>	All spills closed as of 2011.
<sup>1</sup> The studies from 1990, 1994, and 1998 have not yet been located.		

NYSDEC Site Code(s): Spill numbers 0801483, 0313650, 9209704, 9804647

- NYSDEC Site Manager: John Greco

**3 SITE OWNERSHIP HISTORY**

Respondent Member:

Yes  No

Owner	Years	Occupant	Types of Operations
Twenty First Century Bus Company	1979 - 1994	Twenty First Century Bus Company	Storage yard for yellow school buses
City of New York/Department of Environmental Protection	1994 – Present (acquired from Twenty First Century Bus Company via condemnation)	Vacant Land	Vacant Land

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### **4 PROPERTY DESCRIPTION**

The Maspeth Site is an approximately 2.8 acre-site in a heavy manufacturing district in western Queens, located at 57-15 49<sup>th</sup> Street, between 56<sup>th</sup> Road (Clinton Avenue) and Galasso Place. Maspeth Creek is within approximately 1,800 feet from the site to the West. It is located in an M3-1 heavy manufacturing district. M3 districts are designated for areas with heavy industries that generate noise, traffic, or pollutants (NYC Department of City Planning 2011). A site location map is included as Figure 1.

The abutting property to the East and South is Galasso Trucking Inc., 2 Galasso Place, Maspeth, NY 11378 (AKA: 57-27 49<sup>th</sup> Street, 1 Railroad Place (49<sup>th</sup> Lane)). 49<sup>th</sup> Street abuts the site on the West. The abutting properties North of the site are Eldorado Coffee Roasters, 56-75 49<sup>th</sup> Street, Maspeth, NY 11378 and Ben Jo General Trucking, 1 Railroad Place, Maspeth, NY 11378.

### **5 CURRENT SITE USE**

The site is currently vacant, undeveloped, and unused.

### **6 SITE USE HISTORY**

The City of New York is the current owner of the site, which is now a vacant lot that appears to be pervious from aerial maps. Block 2575 Lot 26 was acquired by condemnation by the City for the Department of Environmental Protection in 1994 (signed in 11-1994, filed in 12-1994) from the Twenty First Century Bus Service Corporation. Upon information, subject to verification, the City never developed or utilized the site after its acquisition in 1994. While the City has been unable to confirm the site usage prior to its acquisition of the site, the 2005 Phase II investigation states that the site was operated as an aluminum plant approximately 60 years ago and more recently operated as a bus maintenance and storage yard, a silkscreen printing facility, and a graphic die cutter facility.

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### 7 CURRENT AND HISTORICAL AREAS OF CONCERN AND COPCS

The following sections provide brief discussion of the potential sources and COPCs at the site, based on the Phase II Investigations conducted for the site. The summary is mainly based on the results of the most recent Phase II Investigation conducted in 2005.

#### 7.1 Uplands

Prior to condemnation of the subject site in 1994, DEP performed a Phase II ESA investigation to characterize the soil beneath the site, identify the site-specific groundwater flow direction, and evaluate whether the soil and groundwater beneath the site had been impacted by former site activities. A soil vapor survey and soil and groundwater sampling were performed throughout the site. The samples were analyzed for VOCs, SVOCs, and metals. The sampling results indicated that the site has been impacted by several SVOCs and metals. VOCs were also detected, although to a lesser extent. The 2005 Phase II investigation revealed potential contaminant sources at the site from a 20,000-gallon underground petroleum storage tank. As a result of that report, the tank was removed in 2008. In addition, a suspected 4,000-gallon UST was also potentially located in the southeastern portion of the site. Upon information, subject to verification, this tank was found to either no longer exist or exist beyond the fence line of the property.

The fill material used at the site appears to have been contaminated, and was very likely to have been contaminated prior to being transported to the site. It is possible that the previous businesses that operated at the site may have contributed to the contamination, however, the ubiquitous distribution of contamination across the site is not consistent with the type of contamination usually associated with the operation of a business, that is, contamination associated with business operations typically contain one or more discrete areas where contamination has been discharged to the subsurface as opposed to the relatively even distribution of contamination that exists across the site.

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While the City has been unable to confirm the site usage prior to its acquisition of the site, the 2005 Phase II Subsurface Investigation Report states that the site was previously operated as an aluminum plant approximately 60 years ago and more recently operated as a bus maintenance and storage yard, a silkscreen printing facility, and a graphic die cutter facility.

### **7.2 Overwater Activities**

This site is not adjacent to Newtown Creek or associated waterways.

### **7.3 Spills**

A 20,000-gallon Underground Storage Tank (UST) was discovered in 2004 during the Phase II investigation, along with floating petroleum product in two monitoring wells that are tidally influenced. The monitoring wells are discussed fully in Section 9.2.1.

A DEC Spill Report was filed when the UST was discovered and the consultant noted significant petroleum staining. The spill number assigned, DEC Spill Number 0313650, was closed on March 18, 2011. The 20,000-gallon UST was removed in the spring and summer of 2008. When DEP removed the UST in 2008, DEP discovered petroleum contamination in the surrounding soil and reported a new spill to DEC. DEP removed some soil around the former UST and placed some clean fill in that area. This spill number assigned, DEC Spill Number 0801483, was closed on November 17, 2011. According to DEC records, two other spills, DEC Spill Numbers 9209704, 9804647, were reported on November 19, 1992 and July 6, 1998, respectively, and were both closed on June 18, 2004. At the time of submission of this site summary, DEP has been unable to find any additional records on these spills. However, according to the NYSDEC PBS database, the 1992 spill was related to a tank failure

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causing No. 2 fuel oil to impact soil. The 1998 incident was related to unknown petroleum impacting soil. There are no more active spills on the site.

### 8 PHYSICAL SITE SETTING

#### 8.1 Hydrogeology

According to the Phase II investigation conducted in 2005, the site-specific geology at the site was ascertained primarily from boring logs obtained during the drilling of soil borings and the installation of groundwater monitoring wells. The logs show that uppermost soils (from grade to a depth of approximately five to ten feet) generally contain fine to coarse grained materials. Based on historical and geological information, the site was originally part of a tidal wetland associated with Maspeth Creek. Subsequently, the wetland was apparently filled primarily with sandy materials (although some brick, concrete, and other fill materials have been noted at the site) in some areas and material that was black and granular (possibly carbonaceous) in other areas. The upper layer appears to be, for the most part, fill material that was placed at the site over areas that appear to have been wetlands. In areas where the fill does not extend down to the water table, the geologic materials encountered from five to ten feet were often generally clay and silty clay, and silt and appear to represent sediments that are associated with the former wetlands. In some locations, partially decomposed vegetative matter was noted within the matrix of the clay zones, which is further evidence that the site is a filled wetland.

The surface topography of the subject site and its vicinity was obtained from Seamless United States Geological Survey Topographic Maps (1998). The topographic elevation of the subject property is approximately 20 feet above mean sea level. The depth to water beneath the site is approximately 10 feet. There are wetlands and surface water bodies located within one-eighth of a mile from the subject property. These wetlands are associated with Newtown and Maspeth Creeks, however, no wetlands or surface water bodies are located on the subject property.

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**9 NATURE AND EXTENT (CURRENT UNDERSTANDING OF ENVIRONMENTAL CONDITIONS)**

**9.1 Soil**

Soil Investigations

Yes  No

Bank Samples

Yes  No  Not Applicable

**9.1.1 Soil Investigations**

In 2005, a Phase II investigation was completed as part of the DEC Environmental Restoration Program. Due to the breadth of the tables, the results are summarized here; the specific tables can be found in the 2005 Phase II investigation.

The investigation found that the primary contaminants found in the fill material are SVOCs, possibly associated with petroleum. Due to paucity of detections of the lighter and lower boiling point of VOCs, it seems likely that the petroleum has existed in the fill for long periods of time (probably many decades). Due to the high concentrations of SVOCs, the Phase II investigation surmised that the contamination may have included heavier petroleum products such as, No. 2, 4, or 6 fuel oil, or waste oil which typically contains high levels of metals, or a combination of several petroleum products. The 2005 Phase II investigations found that the concentrations of SVOCs were generally significantly higher in the shallow soil samples when compared to the deeper samples. This indicates there has been minimal vertical migration of the SVOCs towards the deeper soil or to the groundwater. Individual SVOCs were detected at levels above the Recommended Soil Cleanup Objectives (RSCOs) calculated from the NYSDEC Technical and Administration Guidance Memorandum (TAGM) No. 4046, *Determination of Soil Cleanup Objective and Cleanup Levels (1994)*, throughout the site.

In the 30 boring locations performed as part of the 2005 Phase II investigation (*see Figure 2*), SVOCs exceeded RSCOs in at least one of the samples from every boring. The locations at which the highest concentrations of total SVOCs were detected are SB-21 and SB-5. These sample locations are adjacent to one another and near the northeast corner of the site. The total concentrations at SB-21 were 1,110,100 ppb and 867,800 parts per billion (ppb) at SB-5 (the Recommended Soil Cleanup Objective is 500,000 ppb). Both of these concentrations

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were detected in the shallow soil at a depth of 0 to 2 feet. However, in the deeper sample at SB-21, the total SVOC concentrations decreased to 9,830 ppb and at SB-5, at 11-13 feet, the concentration decreased to 3,478 ppb. At SB-29, the total SVOC concentration was 664,600 ppb found in the 0–2 foot depth. For the 8–10 foot depth, the total SVOC concentration drops dramatically to 4,316 ppb. This indicates that the SVOCs are found at significantly higher concentrations in the shallow soil and are not migrating appreciably into the deeper soil. In fact, throughout the site, the average concentration of total SVOCs in the shallow soil is significantly greater than in the deep soil. These results appear to be consistent with the conclusion that the site contains an overlying layer of historic fill material that varies in thickness across the site.

For the VOC soil samples, the results of the 2005 Phase II investigation show that very few VOCs were detected in the soil boring locations at the site. The detections showed generally minor concentrations of constituents of petroleum products. Two exceedances of the RSCOs were found: (1) in the boring for monitoring well MW-6, p-Isopropyltoluene was detected at a concentration of 11,000 ppb at a depth of 10 to 12 feet and (2) at MW-10, methylene chloride was detected at a concentration of 630 ppb (the Objective is 100 ppb) at a depth of 0 to 2 feet. All methylene chloride detections were flagged with a “B” and therefore, their existence in the soil is highly doubtful.

For the VOC Tentatively Identified Compounds (TICs), most of the samples analyzed showed little of no detections of TICs. The exception to this is SB-27 (1-3 feet), which showed a total TIC concentration of 2,670 ppb, however, the total concentration of VOCs plus VOC TICs was 3,064 ppb, which is well below the RSCO for total VOCs of 10,000 ppb. The soil VOC and VOC TICs analyses generally show very minor concentrations of contaminants detected sporadically at the site.

For the metals, exceedances of the RSCOs were found in every boring location and in every sample. These metals include arsenic, barium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, mercury, nickel, selenium, sodium, and zinc. Pesticides in the soil were generally detected infrequently and at low concentrations. However, two relatively minor exceedances of the RSCOs were noted for chlordane (SB-10, 0-2 feet, 780 ppb and MW-5, 2-4 feet, 1,100 ppb). The RSCO for chlordane is 540 ppb.



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PCBs were detected generally infrequently, and at low concentrations. The RSCO for total PCBs is 1 ppm when the sample is obtained at the ground surface and 10 parts per million (ppm) when the sample is obtained beyond this depth. Relatively minor potential exceedances of the RSCO were noted in five samples. The highest total concentration of PCBs detected was 4.23 ppm at 0-2 feet at SB-17. For the detections of PCBs and pesticides, the highest detections were found in the shallow soil. The deeper soil contained significantly lower concentrations of these parameters.

The 2005 Phase II investigation also summarized the findings from the 1994 Phase II EAS Investigation; the 1996 Phase II ESA investigation for the property just east (New York City Tax Lots 225 and 240) of the Maspeth site; and the 1998 Port Authority Phase II ESA investigation at the Maspeth site.

### 1994 Phase II ESA investigation

This investigation characterized the soil beneath the site, identified the site-specific groundwater flow direction, and evaluated whether the soil and groundwater beneath the site had been impacted by former site activities. A soil vapor survey and soil and groundwater sampling were performed throughout the site. The samples were analyzed for VOCs, SVOCs, and metals. In addition, a suspected 4,000-gallon UST was also potentially located in the southeastern portion of the site. Upon information, subject to verification, this tank was found to either no longer exist or exist beyond the fence line of the property.

The sampling results indicated that the site has been impacted by several SVOCs and metals. VOCs were also detected, although to a lesser extent. The soil beneath the site was generally characterized as fine to coarse sand with some assorted fill materials, and the site-specific groundwater flow direction was determined to be generally southwest.

### 1996 Phase II ESA investigation for the property just east (New York City Tax Lots 225 and 240) of the Maspeth site

Based on the regional groundwater flow direction, this property is located upgradient of the eastern and southeastern portions of the subject site. Based on its upgradient location, the adjoining property to the east has the potential to impact the groundwater beneath the

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Maspeth property. The adjoining property to the east contained five abandoned USTs. As part of the investigation, soil sampling was performed in the vicinity of those USTs to evaluate the extent of contamination. Groundwater samples were also collected from five groundwater-monitoring wells. All of the samples were analyzed for NYSDEC STARS Table 1 VOCs. The results of the investigation showed that the soil in the vicinity of the USTs has been impacted by VOCs that are typically associated with petroleum products and the groundwater beneath the property has been impacted by the contamination found on the adjoining property. According to the groundwater results and the regional groundwater flow direction, the Maspeth property appears likely to be impacted by a petroleum plume that is emanating from that adjoining property to the east.

#### 1998 Port Authority Phase II ESA investigation

Soil vapor, soil, and groundwater samples were collected. The soil results showed that no VOCs were detected on the property except for two compounds (xylenes and ethylbenzene) detected during the installation of well MW-1. Well MW-1 was installed in the vicinity of the later-discovered 20,000-gallon UST, along the southern portion of the subject property. Several SVOCs and metals were detected in soil samples that exceeded the NYSDEC Recommended Soil Cleanup Objectives. High concentrations of bis(2-ethylhexyl)phthalate were detected in soil samples in the southern portion of the subject property.

#### **9.1.2 Soil Summary**

The site showed evidence of impacts by the presence of historic fill. There was a scarcity in the number and concentration of the more VOCs detected during the investigation. The main contaminants of concern are the SVOCs found in the shallow soil. Heavy metals were discovered as well. Minor constituents of pesticides and polychlorinated biphenyls (PCBs) have also been found within the top two feet of fill. This contamination does not appear to have impacted the deeper soils or groundwater. The deeper soil, shallow groundwater, and deeper groundwater sampled from MW-14D (screened at 20 ft - 30 ft. below ground surface) do not show significant impacts. There is no evidence that the fill material has impacted the groundwater on site.

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**9.2 Groundwater**

Groundwater Investigations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
NAPL Presence (Historical & Current)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Dissolved COPC Plumes	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Visual Seep Sample Data	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable

**9.2.1 Groundwater Investigations**

For the 2005 Phase II Investigation, groundwater samples were collected from a total of 34 temporary well points (using either direct-push or hydropunch technology) and 21 groundwater-monitoring wells. The samples were analyzed for VOCs (selected samples were also analyzed for VOC TICs), SVOCs, pesticides, PCBs, and total and dissolved TAL metals.

At each soil boring location, a groundwater sample (identified as sample GP- through GP-31) was collected from immediately below the water table using a direct push sampling unit. Prior to sample collection, the groundwater was purged from the rods using dedicated polyethylene tubing to reduce the sample turbidity. The groundwater analytical results revealed exceedances of the NYSDEC Class GA standards in five of the wells (excluding a well that contained only an exceedance for methylene chloride). However, the exceedances were generally minor. The groundwater sampling point with the highest levels of total concentrations of VOCs was GP-24, which was located in the general area of the UST, but was located closer to the area where a 4,000-gallon UST was reported to exist (but was not found). Upon information, subject to verification, there is a possibility that the UST may exist just beyond the fenceline on an adjoining property and could have contributed some contamination to the groundwater on the site. The total concentration of VOCs at GP-24 was 431 ppb. The highest concentration of any one compound was 150 ppb for 1,2,4-trimethylbenzene.

The results for the SVOCs, pesticides, and PCBs in groundwater are summarized in Table 6.6.3 of the Phase II Investigation. There were sporadic and minor detections of several SVOCS. However, although there were occasional exceedances of the standards or NYSDEC TOGS 1.1.1 guidelines, the levels are generally very low and there is no significant contamination of the groundwater by SVOCs. For the pesticides, again, sporadic and

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relatively minor concentrations of chlordane, 4,4-DDT, and dieldrin were detected in the groundwater. Chlordane exceeded the standards at two locations and dieldrin exceeded the standards at one location.

There was one detection of PCBs from all the groundwater samples. The detection exceeded the standard. It should also be noted that there were no detections of VOCs (with the exception of methylene chloride), SVOCs, pesticides, or PCBs in the three deeper wells at the site. The deep wells are all screened from 20 to 30 feet below grade.

For the total metals analyses, exceedances were found for antimony, arsenic, barium, cadmium, chromium, copper, iron, lead, manganese, nickel, selenium, sodium, and zinc. However, for the dissolved analyses, the metals for which exceedances of the standards were found was reduced to antimony, iron, copper, lead, magnesium, manganese, nickel, selenium, and sodium. The metals results show that elevated concentrations are present in the geologic formation (bound to colloidal materials) as well as dissolved in the groundwater. However, it is important to note that the site exists over a former tidal wetland. Therefore, the groundwater beneath the site is very likely to be a mixture of fresh and saline waters. Saline waters are known to contain naturally high concentrations of metals. Also, since the site appears to contain saline waters, it appears that the Class GA standards may not be applicable. In summary, although there are some exceedances of the standards for various parameters for the locations sampled, the overall impacts to the groundwater across the site are minimal.

The exception to this is that two of the wells located in the area of the 20,000-gallon UST were not sampled due to the presence of floating petroleum product in the wells. Well MW-2 (this well was installed in 1992 during a previous investigation) contained one inch of product on March 12, 2004 and again on April 6, 2004. On April 21, 2004, MW-2 (1992) contained 2.4 inches of product during high tide and MW-15 contained 15.6 inches during the same high tide. On July 7, 2004, during low tide, MW-2 (1992) contained 1.8 inches of product and MW-15 contained 3.6 inches.

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It is not clear if the tidal influence is a significant factor in determining the thickness of the product layer. However, the groundwater has been impacted by floating product and the apparent source of the petroleum is the 20,000-gallon UST which was reported to have been emptied of floating product. The 2005 Phase II investigation concluded that the UST represents an on-going potential source area of contamination and its remediation is straightforward and can be completed within two days of field work, and recommended that the UST be removed as part of an Interim Remedial Measure (IRM). The 20,000-gallon UST was subsequently removed in 1998 in accordance with all applicable regulations and requirements, as part of an IRM.

The 2005 Phase II investigation also summarized the findings from the 1994 Phase II EAS Investigation; the 1996 Phase II ESA investigation for the property just east (New York City Tax Lots 225 and 240) of the Maspeth site; and the 1998 Port Authority Phase II ESA investigation at the Maspeth site.

#### 1994 Phase II ESA investigation

This investigation characterized the soil beneath the site, identified the site-specific groundwater flow direction, and evaluated whether the soil and groundwater beneath the site had been impacted by former site activities.

Three groundwater monitoring wells were installed and subsequently sampled to evaluate whether groundwater beneath the site has been impacted. The results of the groundwater sampling showed that the groundwater in the vicinity of the later-discovered 20,000-gallon UST was impacted by VOCs, SVOCs, and metals.

#### 1996 Phase II ESA investigation for the property just east (New York City Tax Lots 225 and 240) of the Maspeth site

Based on the regional groundwater flow direction, this property is located upgradient of the eastern and southeastern portions of the subject site. Based on its upgradient location, the adjoining property to the east has the potential to impact the groundwater beneath the Maspeth property. The adjoining property to the east contained five abandoned USTs. As part of the investigation, soil sampling was performed in the vicinity of those USTs to

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evaluate the extent of contamination. Groundwater samples were also collected from five groundwater-monitoring wells. All of the samples were analyzed for NYSDEC STARS Table 1 VOCs. The results of the investigation showed that the soil in the vicinity of the USTs has been impacted by VOCs that are typically associated with petroleum products and the groundwater beneath the property has been impacted by the contamination found on the adjoining property. According to the groundwater results and the regional groundwater flow direction, the Maspeth property appears likely to be impacted by a petroleum plume that is emanating from that adjoining property to the east.

#### 1998 Port Authority Phase II ESA investigation

Soil vapor, soil, and groundwater samples were collected. The soil results showed that no VOCs were detected on the property except for two compounds (xylenes and ethylbenzene) detected during the installation of well MW-1. Well MW-1 was installed in the vicinity of the later-discovered 20,000-gallon UST, along the southern portion of the subject property. A total of four groundwater monitoring wells were installed during this investigation, and all of the samples were analyzed for VOCs, SVOCs, metals, pesticides, and PCBs. The groundwater results showed generally low concentrations of VOCs, SVOCs, and metals with the exception of high concentrations of bis(2-ethylhexyl)phthalate in the southern portion of the property.

#### **9.2.2 Groundwater Summary**

The results of the groundwater sampling showed minor concentrations of VOCs at the site. The elevations of the wells at the site were surveyed and groundwater flow direction maps were prepared for high and low tide conditions in the event that the groundwater is tidally influenced. There were no detections of VOCs, SVOCs, pesticides, or PCBs in the three deeper wells at the site. The deep wells are all screened from 20 to 30 feet below grade. Depth to groundwater is approximately 10 feet below ground surface and the groundwater flow direction is generally to the southwest and is very likely to discharge to Maspeth Creek, but it does not appear there are COPCs present in any significant concentrations in the groundwater tested in 2005. Groundwater may have been affected by the 20,000 gallon UST, which was subsequently removed in 1998.

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### 9.3 Surface Water

Surface Water Investigation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SPDES Permit (Current or Past)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Industrial Waste Discharge Permit (Current or Past)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Stormwater Data	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Catch Basin Solids Data	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Wastewater Data	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Maspeth Creek is located to the west of the site and appears to be hydraulically downgradient of the site. As part of the 2005 Phase II investigation, surface water samples were obtained to determine if the groundwater, which appears to be discharging to Maspeth Creek, has impacted the creek's water quality. The results show that several VOCs, VOC TICs, and metals were detected. The concentrations detected were compared to the NYSDEC Class H(FC) Ambient Water Quality Standards (saline surface water standards for waters where there may be the human consumption of fish). The results show no exceedances of the standards. However, several VOCs were detected in the surface water of the creek at low concentrations. Methylene chloride was detected and it was again detected in the method blank and is not believed to exist in the surface water. The other compounds, with the exception of toluene, are not components of petroleum and, although some of these non-petroleum-related compounds were detected on site at trace levels, there is no clear evidence that the contamination at the site is impacting the waters of Maspeth Creek. Two VOC TICs were detected in the low tide sample. The total concentration of TICs in the sample was 26 ppb.

In addition, the samples were obtained at high tide and low tide. The results comparison shows no significant difference in either the suite of contaminants detected or the concentrations at which they were detected (with the exception of the minor detections of TICs that were detected only in the low tide sample).

According to the 2005 Phase II Investigation, the results show that Maspeth Creek is not significantly impacted by contamination and, also, there is no clear evidence that the contamination emanating from the site has impacted the sediments or surface waters of Maspeth Creek.

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### 9.3.1 Stormwater and Wastewater Systems

This site is within the Bowery Bay Pollution Control Plant (BB WPCP) sewershed. There is no stormwater or wastewater infrastructure on site. Based on the site topography, it is possible that stormwater at the site could infiltrate into the ground or flow towards Maspeth Creek.

### 9.4 Sediment

Creek Sediment Data

Yes  No  Not Applicable

The upper sediment in Maspeth Creek was sampled at three locations (SS-1 through SS-3) as shown in Plate 1. The results show that the only VOC detected was methylene chloride and, again, it was detected in the method blank and, therefore, its presence in the sediment is highly doubtful. For the VOC TICs, two compounds were detected at SS-1 at a total concentration of 691 ppb. The other two samples had lesser or no detections of TICs.

For the SVOCs, generally minor concentrations of several SVOCs were detected. The SVOCs in the sediments are generally species that are associated with petroleum and are similar to the compounds detected at the site. PCBs were detected at relatively low concentrations. Numerous metals were detected in the sediment samples. Since the creek is located within a highly industrialized area with many potential contributors of contamination, it is unclear whether the subject site has impacted the sediments of Maspeth Creek. Where possible, the sediment results were evaluated using the document entitled "Technical Guidance for Screening Contaminated Sediments" prepared by the NYSDEC. Based on this information several metals were found to exceed the Lowest Effect Level. With regard to PCBs, VOC, VOC TICs, and SVOCs, no screening level could be derived since no total organic carbon samples were obtained during the sampling. Also, for some of the detected compounds, no octanol/water partition coefficient values are available.

### 9.5 Air

Air Permit

Yes  No

Air Data

Yes  No



## **Maspeth Site Draft Upland Site Summary**

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### **10 REMEDIATION HISTORY (INTERIM REMEDIAL MEASURES AND OTHER CLEANUPS)**

The City removed a 20,000-gallon UST and backfilled the area with on-site soil and clean fill were performed in accordance with NYS DEC regulation. The 20,000-gallon UST, located along the southeast corner of the site at the boundary with the adjacent property, the Galasso Trucking Company. The tank was found to have straddled the site and the adjoining property. Due to the location of the UST at the property boundary, interim remedial work is expected to extend into the Galasso property.

The UST was removed in 2008 and the area around it was filled with clean fill. By mutual agreement, DEC and DEP terminated the Environmental Restoration Program and associated State Assistance Contract in December 2010.

### **11 BIBLIOGRAPHY/INFORMATION SOURCES**

Enviroscience Consultants, Inc. (2005) "Phase II Subsurface Investigation Report for the Former Maspeth Railroad Place Site 57-15 49th Street Maspeth, New York."

EEA, Inc. (1996), 2 Galasso Place Soil and Water Sample Results.

NYSDEC, Spill Incidents Database Search Results.

"In the Matter of Application of the City of New York, relative to acquiring the title in fee simple absolute to certain real property where not heretofore acquired for Barnwell Avenue Replacement Site—49th Street, located at 49th Street and 57th Avenue in the Borough of Queens, City and State of New York"(November 23, 1994).

### **12 ATTACHMENTS**

#### **Figures**

Figure 1: Site Location Map

Figure 2: Plate 1—Site Layout and Sampling Locations for Phase II Investigation, May 2005.

#### **Tables**

## Maspeth Site Draft Upland Site Summary

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Table 1: Potential Areas of Concern and Transport Pathways Assessment

### Attachments

Attachment 1: Enviroscience Consultants, Inc. (2005) “Phase II Subsurface Investigation Report for the Former Maspeth Railroad Place Site 57-15 49th Street Maspeth, New York.”

Attachment 2: EEA, Inc. (1996), 2 Galasso Place Soil and Water Sample Results.

Attachment 3: NYSDEC, Spill Incidents Database Search Results.

Attachment 4: “In the Matter of Application of the City of New York, relative to acquiring the title in fee simple absolute to certain real property where not heretofore acquired for Barnwell Avenue Replacement Site—49<sup>th</sup> Street, located at 49<sup>th</sup> Street and 57<sup>th</sup> Avenue in the Borough of Queens, City and State of New York”(November 23, 1994).

Attachment 5: NYSDEC, Letter to NYCDEP

**Table 1**  
**Potential Areas of Concern and Transport Pathways Assessment – Maspeth Site**

Potential Areas of Concern	Media Impacted					COPCs														Potential Historic or Current Complete Pathway						
	Surface Soil	Subsurface Soil	Groundwater	Catch Basin Solids	River Sediment	TPH			VOCs				Chlorinated	SVOCs	PAHs	Phthalates	Phenolics	Metals	PCBs	Herbicides and Pesticides	Dioxins/Furans	Overland Transport	Groundwater*	Direct Discharge – Overwater	Direct Discharge – Storm/Wastewater	Discharge to Storm Sewer
Gasoline-Range						Diesel – Range	Heavier – Range	Related (e.g., BTEX)	VOCs																	
UST/Spill and Historic Fill	√	√	√	--	?	√	?	√	√	√	?	√	√	?	?	√		√	?	--	√	--	?	?	--	

\*The 2005 Phase II Investigation concluded that the results of the surface water and sediment testing show that Maspeth Creek is not significantly impacted by contamination and that there is no clear evidence that the contamination emanating from the site has impacted the sediments or surface waters of Maspeth Creek.

Notes:

√ - COPCs are/were present in Areas of Concern having a current or historical pathway that is determined to be complete or potentially complete

? - There is not enough information to determine if COPC is/was present in Area of Concern or if pathway is complete

-- - Current or historical pathway has been investigated and shown to be not present or incomplete

COPCs – Constituents of Potential Concern

BTEX - Benzene, toluene, ethylbenzene, and xylenes

PAHs - Polycyclic aromatic hydrocarbons

SVOCs - Semi-volatile Organic Compounds

TPH - Total Petroleum Hydrocarbons

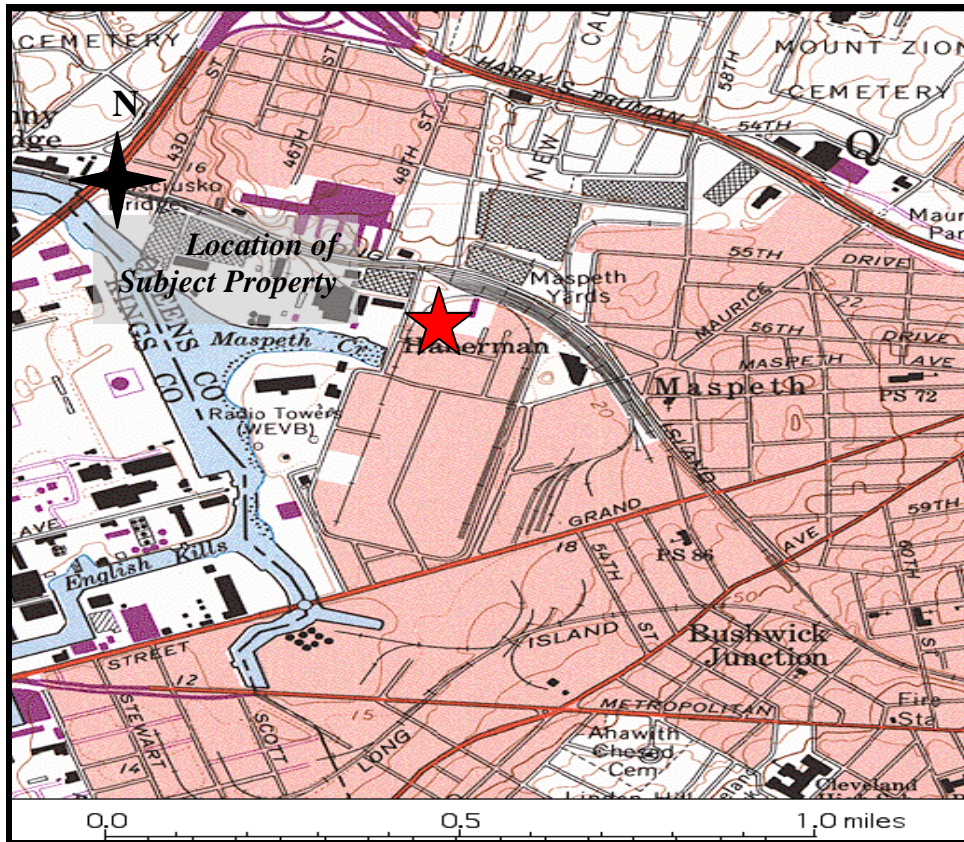
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VOCs - Volatile Organic Compounds

DRAFT

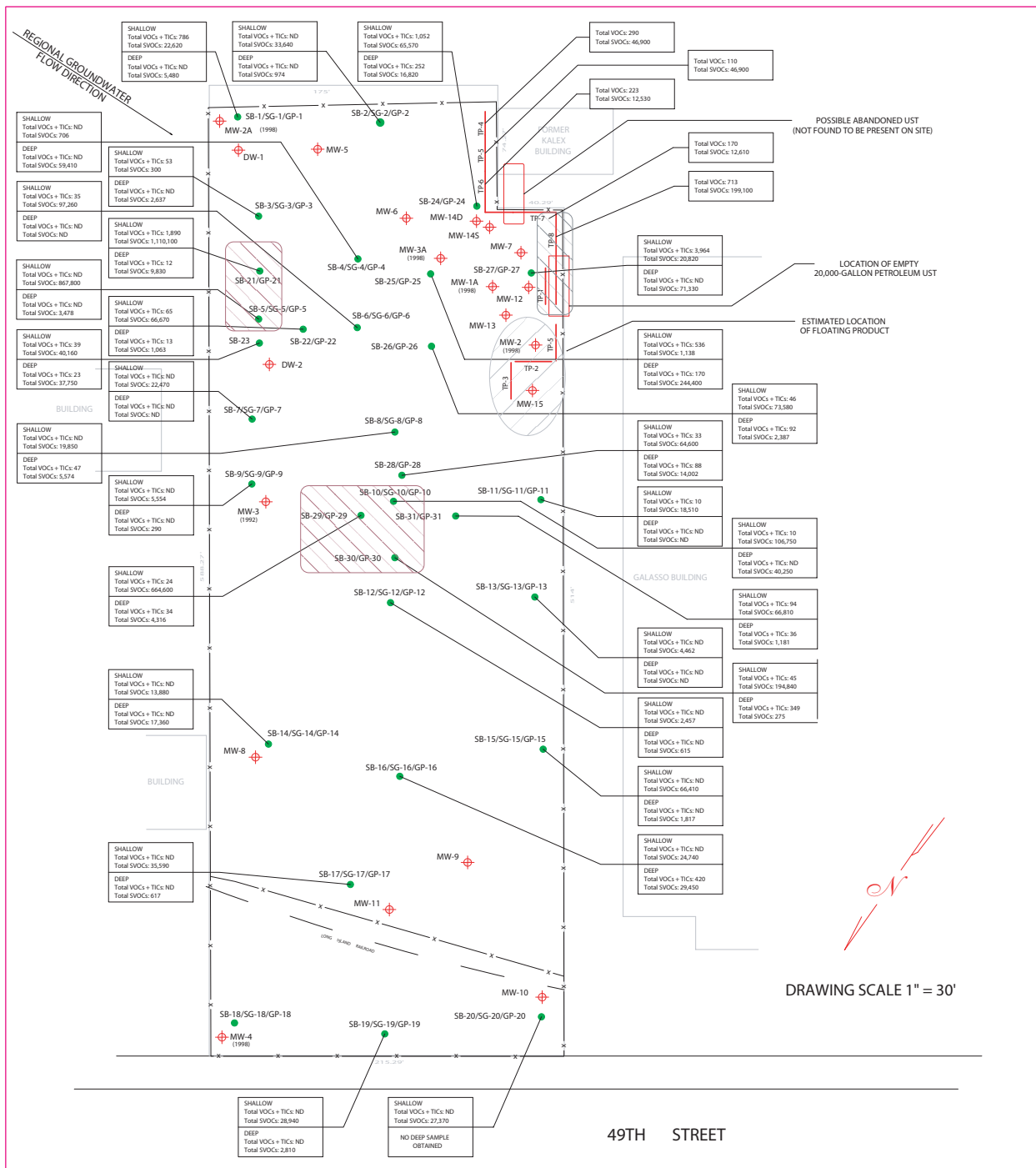
# **FIGURE 1**

**Figure 1**  
**Site Location Map**  
**Former Maspeth Railroad Place Site**  
**57-15 49<sup>th</sup> Street, Maspeth, NY**



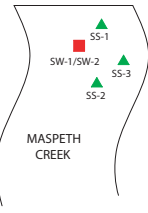
Source: National Geographic Holdings, 2000

**FIGURE 2**



**LEGEND**

- TP-1      FORMER TEST PIT LOCATION
  - TP-4      RECENT TEST PIT LOCATION
  - SB-1/SG-1/GP-1      SOIL BORING, SOIL GAS SAMPLING AND GROUNDWATER SAMPLING LOCATION
  - MW-5      GROUNDWATER MONITORING WELL LOCATION (WITH YEAR OF INSTALLATION FOR PRE-EXISTING WELLS)
  - SS-1      SURFICIAL SEDIMENT SAMPLING LOCATION
  - SW-1      SURFACE WATER SAMPLING LOCATION
- 
- |   |   |
|---|---|
| SHALLOW<br>Total VOCs + TICs:<br>Total SVOCs: | TOTAL CONCENTRATION OF VOCs (OR VOCs PLUS TICs) AND SVOCs, IN THE SHALLOW (GENERALLY 0 TO 5 FEET) AND DEEP (GENERALLY 5 TO 10 FEET), CONCENTRATIONS IN PARTS PER BILLION. |
| DEEP<br>Total VOCs + TICs:<br>Total SVOCs:    |   |
- 
- AREAS OF SHALLOW SVOC CONTAMINATION WITH TOTAL CONCENTRATIONS EXCEEDING 100,000 ppb
  - ESTIMATED LOCATION OF FLOTTING PRODUCT



**Enviroscience Consultants, Inc.**  
 Ronkonkoma, New York

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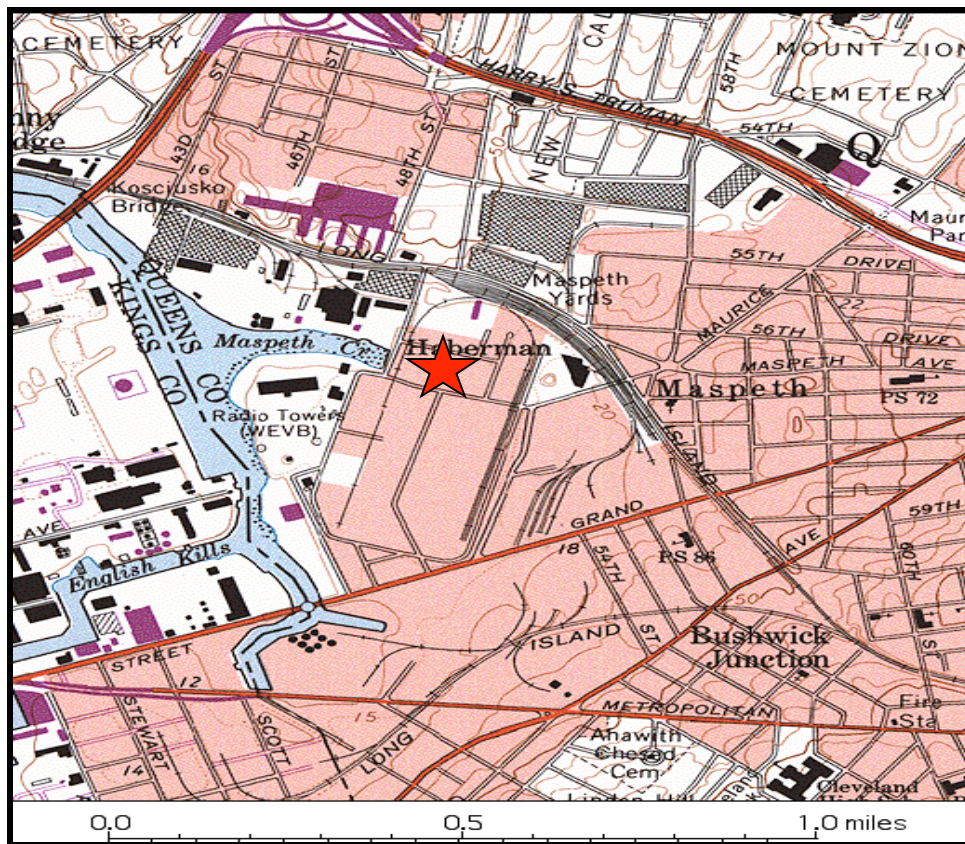
**PLATE 1**  
**SITE LAYOUT AND SAMPLING LOCATIONS**  
**FORMER MASPETH RAILROAD PLACE SITE**  
**57-15 49TH STREET MASPETH, NEW YORK**



# **ATTACHMENT 1**

PHASE II  
Subsurface Investigation Report  
for the  
Former Maspeth Railroad Place Site  
57-15 49<sup>th</sup> Street  
Maspeth, New York

Volume I



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May 2005

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## **Appendices**

- A Soil Boring Logs
- B Data Usability Summary Report

## **Plates**

- 1 Site Layout and Sampling Locations

## **Section 1.0**

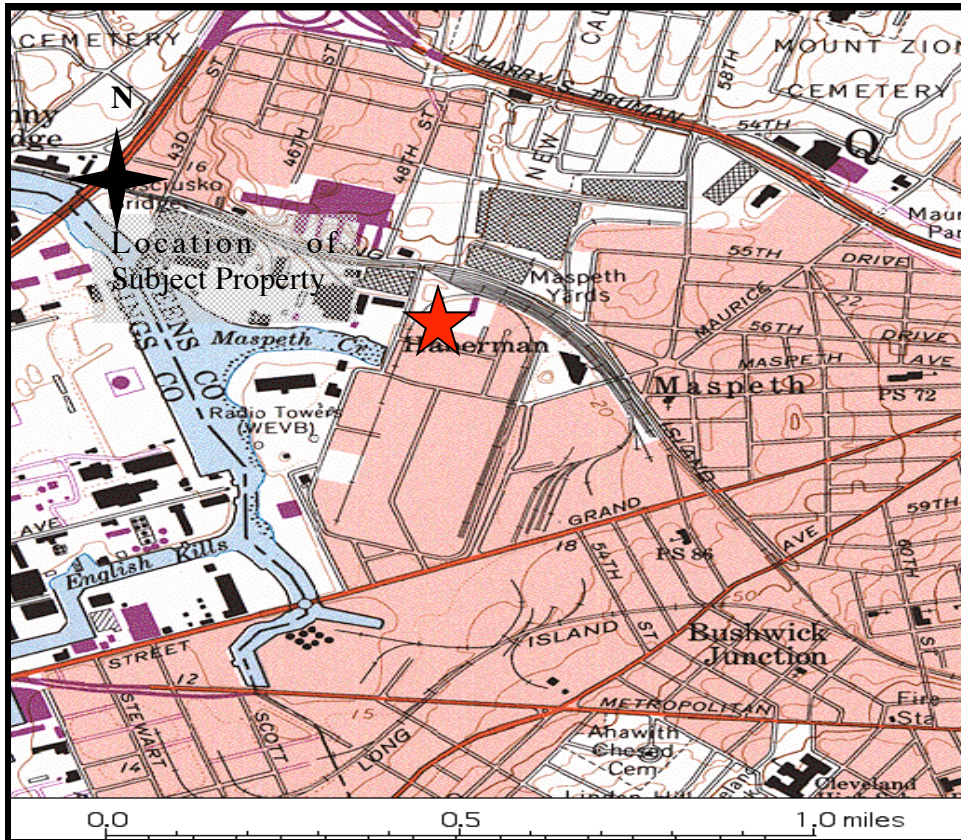
### **Introduction**

Enviroscience Consultants, Inc. has completed the tasks described in our work plan dated, October 2003, for the subsurface investigation of the Maspeth Railroad Place Site that is located at 57-15 49<sup>th</sup> Street in Maspeth, New York. Figure 1.1 shows the site location. Plate 1 shows the general site layout of the property along with the sampling locations.

The site occupies approximately 2.8 acres in a heavy manufacturing district in Queens. The City of New York is the present owner of the property, and the site is presently undeveloped and vacant. The site was previously operated as an aluminum plant approximately 60 years ago and more recently was operated as, a bus maintenance and storage yard, a silkscreen printing facility, and a graphic die cutter facility.

Previous investigations have shown the presence of contaminants at the site. The purpose of this report is to characterize the nature and extent of contamination in the soil and groundwater at the site and to evaluate the potential for the contamination to impact Maspeth Creek. Conclusions and recommendations for addressing the concerns at the site are included at the end of this report.

**Figure 1.1**  
**Site Location Map**  
**Former Maspeth Railroad Place Site**  
**57-15 49<sup>th</sup> Street, Maspeth, NY**



**Source: National Geographic Holdings, 2000**

## **Section 2.0**

### **Environmental Setting**

#### **2.1 Geology and Hydrogeology**

Groundwater in the vicinity of the property is derived from the infiltration of precipitation through the ground surface and surficial deposits to the water table. The surficial glacial deposits in the area of the site consist mainly of stratified medium to coarse sand and gravel. Approximately half of the precipitation that reaches the land surface infiltrates and enters the groundwater system. The water table is the upper limit of the groundwater reservoir and it is bounded beneath by impervious bedrock.

The regional groundwater flow information beneath the vicinity of the property was obtained from “The Water Table Altitude in Kings and Queens Counties” prepared by the United States Geological Survey (March 1997). According to the map, the elevation of the groundwater beneath the subject property is less than 10 feet above mean sea level and the regional groundwater flow direction beneath the property is generally to the southwest.

#### **2.2 Site-Specific Geology**

The site-specific geology at the site was ascertained primarily from boring logs obtained during the drilling of soil borings and the installation of groundwater monitoring wells. The boring logs for all drilling performed during this investigation are presented in Attachment A. The logs show that uppermost soils (from grade to a depth of approximately five to ten feet) generally contain fine to course grained materials. This upper layer appears to be, for the most part, fill material that was placed at the site over areas that appear to have been wetlands. In areas where the fill does not extend down to the water table, the geologic materials encountered from five to ten feet were often generally clays and silty clays, and silts and appear to represent sediments that are associated with the former wetlands.

In some locations, partially decomposed vegetative matter was noted within the



matrix of the clay zones, which is further evidence that the site is a filled wetland.

### **2.3 Topography and Drainage**

The surface topography of the subject site and its vicinity was obtained from Seamless United States Geological Survey Topographic Maps (1998). The topographic elevation of the subject property is approximately 20 feet above mean sea level. The depth to water beneath the site is approximately 10 feet.

There are wetlands and surface water bodies located within one-eighth of a mile from the subject property. These wetlands are associated with Newtown and Maspeth Creeks, however, no wetlands or surface water bodies are located on the subject property.



## **Section 3.0**

### **Site History and Previous Investigations**

The NYCDEP provided Enviroscience Consultants with three Phase II ESA reports (prepared by TRC Environmental Corporation in November, 1992; EEA, Inc. in December, 1996; and the Port Authority of New York and New Jersey in October, 1998) that were previously performed on the subject property and its vicinity.

The Phase II investigations included the collection of soil and groundwater samples at locations throughout the subject property, including the vicinity of a former 20,000-gallon UST that was reported to be located in the southern portion of the property. A 4,000-gallon UST was reported to potentially exist at the subject property, slightly east of the former 20,000-gallon UST. The results of the previous investigations generally show that the groundwater and soil beneath the subject property has been impacted by petroleum-related semi-volatile organic compounds (SVOCs) from on-site and possibly off-site sources. During a previous investigation, high concentrations of bis(2-ethylhexyl)phthalate were detected in groundwater and soil samples from the southern portion of the property. The concentrations of volatile organic compounds (VOCs) and metals detected do not appear to be as high as the concentrations of SVOCs although the metals were generally detected throughout the subject property. Based on the results of the Port Authority investigation, there is no evidence that pesticides or PCBs pose an environmental concern to the subject property. There is information contained in the investigations that the groundwater flow direction may be tidally influenced.

#### **3.1 TRC Environmental Corporation Phase II Investigation**

In 1992, TRC Environmental Corporation performed a Phase II ESA investigation to characterize the soil beneath the site, calculate the site-specific groundwater flow direction, and evaluate whether the soil and groundwater beneath the site has been impacted by former site activities. A soil vapor survey and soil and groundwater sampling were performed throughout the site, including the vicinity of the 20,000-gallon

UST located in the southern portion of the property. The samples were analyzed for VOCs, SVOCs, and metals. In addition, a suspected 4,000-gallon UST was also potentially located in the southeastern portion of the site. The sampling results indicated that the site has been impacted by several SVOCs and metals. VOCs were also detected, however, to a lesser extent.

The soil beneath the site was generally characterized as fine to coarse sand with some assorted fill materials, and the site-specific groundwater flow direction was determined to be generally southwest.

Three groundwater-monitoring wells were installed and subsequently sampled to evaluate whether groundwater beneath the site has been impacted. The results of the groundwater sampling showed that the groundwater, in the vicinity of, the former 20,000-gallon UST has been impacted by VOCs, SVOCs, and metals.

### **3.2 EEA Phase II Investigation**

In 1996, EEA performed a Phase II ESA investigation for the adjoining property to the east (New York City Tax Nos. 225 and 240) of the subject site. Based on the regional groundwater flow direction, this property is located upgradient of the eastern and southeastern portions of the subject site. (The site-specific groundwater flow direction that is included in the EEA report is in disagreement with the regional groundwater flow direction and the site-specific flow directions calculated by other consultants). Based on its upgradient location, the adjoining property to the east has the potential to impact the groundwater beneath the subject property.

During the investigation, the adjoining property to the east contained five abandoned USTs, and soil sampling was performed in the vicinity of the tanks to evaluate the extent of contamination. Groundwater samples were also collected from five groundwater-monitoring wells. All of the samples were analyzed for NYSDEC STARS Table 1 VOCs.

The results of the investigation showed that the soil in the vicinity of the USTs has been impacted by VOCs that are typically associated with petroleum products and the

groundwater beneath the property has been impacted. According to the groundwater results and the regional groundwater flow direction, the subject property appears likely to be impacted by a petroleum plume that is emanating from the adjoining property to the east.

### **3.3 Port Authority Phase II Investigation**

In 1998, the Port Authority of New York and New Jersey performed a Phase II ESA investigation at the subject site. Soil vapor, soil, and groundwater samples were collected to evaluate the extent of contamination on the subject property. A total of four groundwater-monitoring wells were installed during this investigation, and all of the samples were analyzed for VOCs, SVOCs, metals, pesticides, and PCBs.

The soil results showed that no VOCs were detected on the subject property except for two compounds (xylenes and ethylbenzene) detected during the installation of well MW-1. Well MW-1 was installed in the vicinity of the former 20,000-gallon UST, along the southern portion of the subject property. Several SVOCs and metals were detected in samples collected throughout the subject property and exceed the NYSDEC Recommended Soil Cleanup Objectives (the Objectives). High concentrations of bis(2-ethylhexyl)phthalate were detected in soil samples in the southern portion of the subject property.

The groundwater results showed that concentrations of VOCs, SVOCs, and metals were generally low with the exception of bis(2-ethylhexyl)phthalate at high concentrations in the southern portion of the subject property.

## **Section 4.0**

### **Field Investigation**

During sampling activities associated with the subsurface investigation of the Maspeth Railroad Place Site, all samples were collected using dedicated or decontaminated equipment, placed in laboratory-supplied containers, properly preserved, and transported to a New York State Department of Health-approved laboratory for chemical analysis for VOCs, SVOCs, pesticides, PCBs, and total Target Analyte List (TAL) metals with the exception of the soil vapor samples that were analyzed for VOCs only. Selected VOC samples were also analyzed for tentatively identified compounds (TICs). The groundwater metals samples were analyzed for total (unfiltered) and dissolved (filtered) metals. York Analytical Laboratories (New York License No. 10854) performed the analyses of the samples collected during this investigation. All laboratory reports (with the exception of the soil vapor results) were prepared in New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B deliverables format. [There is no contract laboratory protocol (CLP) for vapor samples.] In addition, a Data Usability Summary Report was prepared.

#### **4.1 Decontamination Procedures**

All non-dedicated sampling equipment was decontaminated to reduce the potential for sample cross-contamination prior to sample collection. The decontamination procedures included, where appropriate, a non-phosphate (e.g. Alconox) solution wash, followed by a distilled water rinse, a 10% solution nitric acid rinse, a methanol rinse, and a final distilled water rinse.

#### **4.2 Field Documentation**

The soil from all soil borings and well installations was characterized using the Unified Soil Classification System (USCS). Well installation and boring logs were also prepared and are presented in Appendix A.

Field activities and observations during this investigation were recorded in a project-dedicated field notebook using indelible black ink. A chain of custody form was completed to document the sequence of sample possession, and each sample was labeled using a specific identifier and included the sample date and time, project name, chemical preservative (if applicable), and analysis requested.

#### **4.3 Soil Vapor Sampling Procedures**

A total of 20 soil vapor samples (identified as samples SG-1 through SG-20 on Plate 1) were obtained in the vicinity of potential source areas located throughout the subject property. The samples were obtained to evaluate whether additional potential source areas exist at the property and whether soil vapor should be considered a concern for the future development of the site.

The soil vapor samples were collected by advancing a metal rod into the ground to a depth of approximately four feet below grade. Dedicated polyethylene tubing was placed in the borehole and the borehole was sealed at the surface around the tubing. The tubing was connected to a pump (similar to an Alpha-1 Multi-Flow Air Sampler) and ambient air was purged for the collection of the sample. The samples were collected in dedicated one-liter Tedlar bags and transported to the laboratory for chemical analysis of VOCs and selected samples were analyzed for VOC TICs using Method TO-14.

#### **4.4 Sediment Sampling Procedures**

A total of three surface sediment samples (identified as samples SS-1, SS-2, and SS-3) were collected from the sediment along Maspeth Creek near the headwall during periods of low tide. The sediment samples were collected at a depth of approximately 0 to 2 inches below the sediment surface using dedicated sampling spoons. The samples were analyzed for VOCs (selected samples were also analyzed for VOC TICs), SVOCs, pesticides, PCBs, and total TAL metals.

#### **4.5 Soil Sampling**

A total of 45 soil borings were performed using direct-push technology. The borings were advanced to the depth of the water table and the samples were collected in dedicated acetate sleeves. Of the 45 borings, 14 were associated with the installation of the groundwater monitoring wells.

At each location, the soil was evaluated for visual and olfactory indications of contamination and screened using a photoionization detector (PID) for the presence of organic vapors. In addition, the soil was characterized using the USCS.

A total of two samples were collected per boring, and, therefore, a total of 90 soil samples were collected. The samples were collected from immediately above the water table and from the interval showing the greatest indication of contamination based on PID readings. If no signs of contamination were found, the samples were collected from two feet below grade and immediately above the water table. The samples were analyzed for VOCs (selected samples were also analyzed for VOC TICs), SVOCs, pesticides, PCBs, and total TAL metals.

#### **4.6 Groundwater Sampling**

During the investigation, groundwater samples were collected from a total of 34 temporary well points (using either direct-push or hydropunch technology) and 21 groundwater-monitoring wells. The samples were analyzed for VOCs (selected samples were also analyzed for VOC TICs), SVOCs, pesticides, PCBs, and total and dissolved TAL metals.

#### **4.7 Temporary Well Point Sampling Procedures**

At each soil boring location, a groundwater sample (identified as sample GP-1 through GP-31) was collected from immediately below the water table using a direct-push sampling unit. Prior to sample collection, the groundwater was purged from the rods using dedicated polyethylene tubing to reduce the sample turbidity.

Three additional groundwater sampling locations were collected using direct-push technology to determine the installation depth of the three deep permanent groundwater-monitoring wells (as discussed below).

#### **4.8 Monitoring Well Installation Procedures**

A total of 14 permanent groundwater-monitoring wells were installed during this investigation. All of the groundwater-monitoring wells were installed so that their screens intercepted the water table (identified as wells MW-5 through MW-15) except for three that were installed at depths below the water table. To determine the installation depth of the deeper wells, vertical groundwater sampling was performed at 10-foot intervals. The deeper wells were installed at the depth interval that showed the highest indications of contamination based on PID readings and other field indications of contamination.

During this investigation, all of the wells were constructed using two-inch diameter polyvinyl chloride (PVC), 10-foot lengths of screen, and with flush-mounted locking manholes. The screens for all of the water table wells were placed approximately eight feet below the water table. A sand filter pack and then bentonite pellets were installed in the annular space of the well to a height of approximately two and four feet above the screened interval, respectively. The bentonite pellets were hydrated after placement above the sand pack. Upon completion of the well installation, but not prior to 12 hours after installation, the wells were developed to reduce turbidity using a submersible pump.

The wells were surveyed to confirm and update the site-specific groundwater flow direction during low and high tides. The depth to water was measured to the nearest one-hundredth of a foot using a Solinst water level indicator.

#### **4.9 Groundwater-monitoring Well Sampling Procedures**

All wells associated with the site were sampled. Prior to sample collection, the depth to water was measured to the nearest one-hundredth of a foot and the wells were purged of at least three casing volumes or until dry using a submersible pump or

dedicated polyethylene bailer. Following each volume of water purged from the well, the pH, temperature, and conductivity (stability parameters) were measured to ensure that ambient groundwater was sampled. The wells were sampled using a dedicated polyethylene bailer after two consecutive casing volumes of water showed similar stability parameter measurements (variation of less than 10 percent).

#### **4.10 Surface Water Sampling Procedures**

A total of two surface water samples (identified as samples SW-1 and SW-2) were collected from the vicinity of the Maspeth Creek headwall near 49<sup>th</sup> Street. The samples were collected on different days and tidal stages to evaluate whether the surface water has been impacted by previous activities at the subject site. The samples were analyzed for VOCs plus VOC TICs, SVOCs, pesticides, PCBs, and total TAL metals.

#### **4.11 Test Pitting Procedures**

Five test pits (identified as locations TP-4 through TP-8) were excavated on the subject property using a backhoe to determine whether underground storage tanks (USTs) are located on the subject property. The test pitting was performed to a depth of approximately 8 to 10 feet below grade and the pits were over 20 feet long and five feet wide. From each excavation, one composite soil sample was collected from the walls and floor of the excavation. The pits were backfilled following sample collection. The soil samples were analyzed for VOCs (selected samples were also analyzed for VOC TICs), SVOCs, pesticides, PCBs, and total TAL metals.



## Section 5.0

### Quality Assurance and Quality Control Procedures

#### 5.1 QA/QC Procedures

Quality Assurance and Quality Control (QA/QC) samples were collected to evaluate the effectiveness of field and laboratory procedures and to attest to the validity of the analytical results. The following samples were collected for each 20 environmental samples per matrix:

- Duplicate samples- A separate aliquot was collected for aqueous samples to evaluate the precision of laboratory analyses.
- Matrix spike/matrix spike duplicate- An MS/MSD sample was collected to evaluate the precision of the laboratory and to evaluate matrix interference.

The following samples were collected during each sampling day for each matrix:

- Trip blank were provided by the laboratory to evaluate field cross-contamination. One trip blank sample was included in each cooler that contained VOC samples.
- Equipment QC samples- Laboratory grade water was poured over a decontaminated sampling instrument to evaluate the effectiveness of decontamination procedures.

#### 5.2 Data Usability Summary Report Procedures

All laboratory data was evaluated and a Data Usability Summary Report (DUSR) was prepared and is included as part of this investigation report. The DUSR was prepared in accordance with the New York State Department of Environmental Conservation, Division of Environmental Remediation document entitled “Guidance for the Development of Data Usability Summary Reports.”

The DUSR includes an evaluation of the completeness of the NYSDEC ASP Category B deliverables package, an evaluation of holding times, QC data analysis, evaluation of analytical protocols, comparison of the summary sheets and raw data, and evaluation of laboratory qualifiers.

### **5.3 Sample Handling Procedures**

All samples obtained in the field were placed in coolers with ice to depress the temperature to 4 degrees Celsius for transport to the laboratory. The samples obtained were delivered to the laboratory within 48 hours. A chain-of-custody document accompanied each shipment to the laboratory to document the sequence of sample possession.

## **Section 6.0**

### **Site Investigation Results**

This section will present the results of all field procedures and sample analyses. The laboratory reports for all samples obtained during this investigation are found in Volume 2 of this report. The laboratory results are summarized in tables associated with the section in which they are discussed.

#### **6.1 Test Pit Excavation Results**

Test pitting was performed in the southern corner of the site (as shown on Plate 1). The purpose of the test pitting was to evaluate the presence of two suspected USTs in that portion of the site. The test pitting was performed using a backhoe and each trench section was greater than 20 feet long (the total lateral distance of the trenching was approximately 140 feet). Each trench was at least five feet wide and 8 to 10 feet deep. Based on field observations, significant petroleum odors were noted to be emanating from the trenches during excavation at locations TP-4, TP-6, and TP-8.

The results of the trenching showed that one UST was found during excavation at trench T-8 (this is the 20,000 gallon UST that was discovered during a previous investigation). The UST is reported to have contained petroleum and its contents may have been emptied in 1992. The UST is oriented such that its long axis is parallel to the south fenceline. Enviroscience noted that the majority of the UST was present on the site, however, a small portion appears to extend beyond the fenceline (the fenceline is believed to be the approximate legal boundary of the site). Significant petroleum staining was noted in the area of the tank and its associated piping. Based on this information, Enviroscience immediately reported a spill to the NYSDEC (on March 12, 2004). The spill number assigned is 0313650.

The test pitting showed that the second tank, which was believed to be a 4,000-gallon UST that may have been abandoned in place, was not found during the test pitting. This UST was believed to exist in an area that was just beyond the fenceline of the site

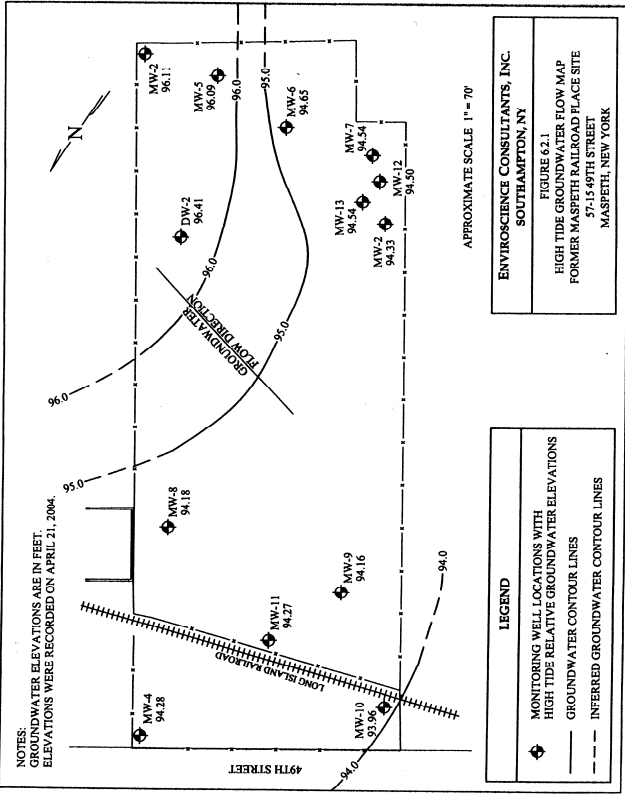
and it was suggested during previous investigations that a portion of this UST may have extended to the area within the fenceline. It is concluded that this 4,000-gallon UST may still be present in the ground, however, if so, it is beyond the area of the fenceline and is, therefore, off the site.

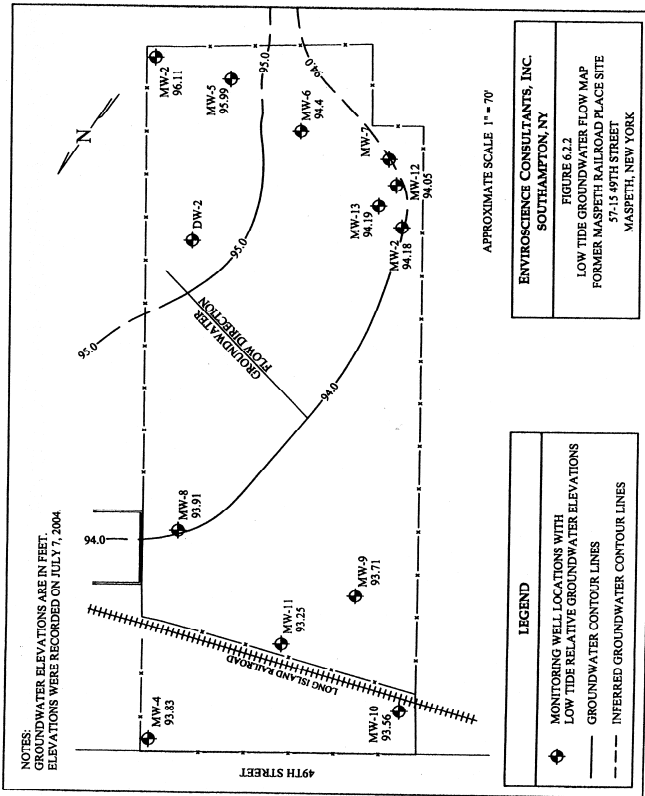
## **6.2 Groundwater Flow Direction Calculation**

Based on the regional groundwater flow direction and the previous site-specific calculations, most sources of information have indicated that the groundwater is flowing generally to the southwest.

To confirm and update this information, Enviroscience calculated the groundwater flow direction using all previously-existing and newly-installed wells. After all wells were installed, Enviroscience contracted Montrose Surveying Co., a New York State-licensed land surveyor. The surveyors determined the elevations of each of the well casings and the point of measurement on the casing was marked. The surveyors used an arbitrary datum of 100 feet and all well elevations are relative to this point (it should be noted that the actual elevation at the site is approximately 20 feet). The surveyors also placed the surveyed areal well locations and the fenceline on a base map. Enviroscience took this information and created a map (Plate 1) that includes all information from previous and recently-installed wells.

Figures 6.2.1 and 6.2.2 show the calculated direction of groundwater flow at high and low tides. Table 6.2.1 presents the measured depths to water or product at each well, the surveyed relative elevations, and the resultant relative groundwater elevations. The figures show that the direction of flow is generally toward the southwest during both high and low tide. This is consistent with previous investigations as well as the regional flow direction. It was also noted that there is no significant difference in groundwater flow direction at high tide and low tide. During the process of calculating the flow direction, it was noted that some of the wells that exist on the site yielded anomalous results. It appears that, due to the areas of low permeability materials in which some of the wells were constructed, the hydraulic communication between the wells and the aquifer is





**Table 6.2.1  
Elevation and Depth To Water Measurements  
57-15 49<sup>th</sup> Street, Maspeth, New York**

Measurement Date	July 7, 2004 Casing Elevation (in feet above mean sea level)	Relative Groundwater Elevation (in feet above mean sea level)		April 21, 2004 High Tide		July 7, 2004 Low Tide	
		April 21, 2004 High Tide	July 7, 2004 Low Tide	DTW	DTP	DTW	DTP
MW-1 (1998)	*	-	-	12.58	ND	*	ND
MW-2 (1992)	105.03	94.33	94.18	10.70	10.50	10.85	10.70
MW-2A (1998)	105.13	96.11	95.63	9.02	ND	9.50	ND
MW-4 (1998)	99.53	94.28	93.83	5.25	ND	5.70	ND
MW-5	105.24	96.09	95.99	9.15	ND	9.25	ND
MW-6	105.05	94.65	94.40	10.40	ND	10.65	ND
MW-7	105.49	94.54	94.79	10.95	ND	10.70	ND
MW-8	105.86	94.18	93.91	11.68	ND	11.95	ND
MW-9	106.36	94.16	93.71	12.20	ND	12.65	ND
MW-10	104.86	93.96	93.56	10.90	ND	11.3	ND
MW-11	105.75	94.27	93.25	11.48	ND	12.5	ND
MW-12	104.95	94.50	94.05	10.45	ND	10.90	ND
MW-13	104.94	94.54	94.19	10.40	ND	10.75	ND
MW-14S	105.16	95.46	95.33	9.70	ND	9.83	ND
MW-14D	105.09	93.89	94.39	11.20	ND	10.70	ND
MW-15	105.13	93.08	93.73	12.05	10.75	11.40	11.10

**Notes:**

- ND = Not Detected
- \* = Could not locate well
- = Not Available
- DTW = Depth to water in feet below grade
- DTP = Depth to product in feet below grade

sufficiently poor that their water level elevations were deemed to be unrepresentative of the elevation of the water table at those locations. These wells were omitted from the calculations.

### **6.3 Soil Gas Investigation Results**

Soil gas samples were obtained at 20 locations as shown on Plate 1 and identified as the “SG” samples. The purpose of the samples was to determine the concentrations of VOCs in the soil gas so that the health issues associated with the future development of the site can be evaluated.

The results are summarized in Tables 6.3.1 (VOCs) and 6.3.2 (VOC TICs) and the laboratory results and show that several VOCs were detected in the soil gas at low concentrations. The compounds detected are all constituents of petroleum with the exception of methylene chloride. However, all methylene chloride detections in the samples were flagged in the laboratory report with a “B” that indicates that the chemical was also detected in the method blank and its existence in the soil gas is questionable. Methylene chloride is known to be a common laboratory contaminant and, since the soil gas results (as well as the other site results) indicate that the site is impacted by old, highly-weathered petroleum, the detection of methylene chloride, which is highly volatile and does not persist in the soil gas under most conditions and is not a constituent of petroleum, is highly doubtful.

VOC TICs were analyzed for half of the soil gas samples. No compounds were detected in any of the samples with the exception of location SG-20 which showed a detection of 1-ethyl-4-methyl benzene at 16 ppb.

### **6.4 Soil Sampling Results**

A total of 80 soil samples were obtained from 31 soil boring locations and 10 borings performed for the purpose of installing groundwater-monitoring wells.

The soil results for the VOC analyses are shown in Table 6.4.1. Selected samples were also analyzed for VOC TICs and those results are presented in Table 6.4.2. The



**Table 6.3.1**  
**Soil Gas Chemical Analytical Results – Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SG-1	SG-2	SG-3	SG-4	SG-5	SG-6	SG-7	SG-8	SG-9	SG-10	SG-11	SG-12
<b>Volatile Organic Compounds (in parts per billion volume)</b>												
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	12B	15B	9.9B	11B	5.2B	11B	13B	5.0B	14B	11B	7.4B	6.2B
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	1.5	ND
Toluene	3.3	1.9	3.5	3.3	1.8	3.1	2.2	2.4	3.3	2.7	2.4	2.6
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
P&m-Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Location No.	SG-13	SG-14	SG-15	SG-16	SG-17	SG-18	SG-19	SG-20
<b>Volatile Organic Compounds (in parts per billion volume)</b>								
Dichlorodifluoromethane	ND	ND	ND	1.8	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	9.3
Methylene Chloride	5.8B	6.8B	8.3B	7.5B	5.7B	6.4B	2.9B	2.9B
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	2.9	2.4	4.1	2.2	2.7	2.7	1.8	1.9
Trichlorofluoromethane	ND	ND	ND	3.1	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	26
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	4.9
o-Xylene	ND	ND	ND	ND	ND	ND	ND	4.0
P&m-Xylenes	ND	ND	ND	ND	ND	ND	ND	16

**Notes:**

ND = Not Detected

B = Analyte was detected in blank

Only detected analytes are reported.

**Table 6.3.2**  
**Soil Gas Chemical Analytical Results – Volatile Organic Compounds – Tentatively ID Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SG-2	SG-4	SG-6	SG-8	SG-10	SG-12	SG-14	SG-16	SG-18	SG-20
<b>Volatile Organic Compounds</b> ( <i>in parts per billion volume of air</i> )										
1-Ethyl-4-methyl benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	16

**Notes:**

ND = Not Detected  
 Only detected analytes are reported.

**Table 6.4.1**  
**Soil Chemical Analytical Results – Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-1		SB-2		SB-3		SB-4		SB-5		SB-6		NYSDEC Recommended Soil Cleanup Objective
	0-2	10-12	0-2	12-14	3-5	15-17	0-2	10-12	0-2	11-13	0-2	10-14	
<b>Volatile Organic Compounds (in micrograms per kilogram)</b>													
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,500
Isopropylbenzene	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,300
p-Isopropyltoluene	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	ND	13,000
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,700
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,400
Toluene	39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,300
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
Total Xylenes	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,200
<b>Total VOCs</b>	<b>86</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>35</b>	<b>ND</b>	<b>10,000</b>

**Table 6.4.1 (continued)**  
**Soil Chemical Analytical Results – Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-7		SB-8		SB-9		SB-10		SB-11		NYSDEC Recommended Soil Cleanup Objective
	0-2	10-12	0-2	13-15	0-2	13-15	0-2	18-20	0-2	12-14	
<b>Sample Depth (in feet)</b>											
<b>Volatile Organic Compounds (in micrograms per kilogram)</b>											
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,500
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,300
p-Isopropyltoluene	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	10,000
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
Naphthalene	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	13,000
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,700
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,400
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,300
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,200
<b>Total VOCs</b>	ND	ND	ND	18	ND	ND	10	ND	ND	ND	10,000

**Table 6.4.1 (continued)**  
**Soil Chemical Analytical Results – Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-12		SB-13		SB-14		SB-15		SB-16		SB-17		NYSDEC Recommended Soil Cleanup Objective
	0-3	12-14	2-4	10-12	0-2	11-13	0-2	11-13	0-2	11-13	0-2	16-18	
<b>Volatile Organic Compounds (in micrograms per kilogram)</b>													
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,500
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,300
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	420	ND	ND	13,000
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,700
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,400
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,300
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,200
<b>Total VOCs</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	420	ND	ND	10,000

**Table 6.4.1 (continued)**  
**Soil Chemical Analytical Results – Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-19		SB-20	SB-21		SB-22		SB-23		SB-24		NYSDEC Recommended Soil Cleanup Objective
Sample Depth ( <i>n feet</i> )	2-4	10-12	0-2	0-2	8-10	0-2	8-10	0-2	8-10	2-4	8-10	
<b>Volatile Organic Compounds (<i>in micrograms per kilogram</i>)</b>												
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31	-
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,500
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,300
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
Methylene Chloride	ND	ND	ND	90B	12B	65B	13B	39B	23B	17B	92B	100
Naphthalene	ND	ND	ND	1,800	ND	ND	ND	ND	ND	ND	ND	13,000
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,700
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	73	1,400
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	56	700
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,300
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,200
<b>Total VOCs</b>	ND	ND	ND	1,890	12	65	13	39	23	28	252	10,000

**Table 6.4.1 (continued)**  
**Soil Chemical Analytical Results – Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-25		SB-26		SB-27		SB-28		SB-29		SB-30		SB-31		NYSDEC Recommended Soil Cleanup Objective
Sample Depth ( <i>in feet</i> )	0-2	5-10	1-3	8-10	1-3	8-10	3-5	8-10	0-2	8-10	2-3	8-10	2-4	8-10	
<b>Volatile Organic Compounds (<i>in micrograms per kilogram</i>)</b>															
n-Butylbenzene	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
sec-Butylbenzene	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	ND	ND	-
Ethylbenzene	56	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,500
Isopropylbenzene	ND	ND	ND	ND	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,300
p-Isopropyltoluene	ND	ND	ND	ND	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
Methylene Chloride	<b>150B</b>	<b>170B</b>	46B	92B	36B	ND	33B	88B	24B	34B	45B	58B	76B	12B	100
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	13,000
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,700
Tetrachloroethylene	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	120	ND	24	1,400
Toluene	ND	ND	ND	ND	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61	ND	ND	700
1,2,4-Trimethylbenzene	ND	ND	ND	ND	94	ND	ND	ND	ND	ND	ND	ND	6	ND	10,000
1,3,5-Trimethylbenzene	ND	ND	ND	ND	63	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,300
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
Total Xylenes	330	ND	ND	ND	77	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,200
<b>Total VOCs</b>	536	170	46	92	394	ND	33	88	24	34	45	349	94	36	10,000

**Table 6.4.1 (continued)**  
**Soil Chemical Analytical Results – Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	MW-5		MW-6		MW-7		MW-8		MW-9		MW-10		NYSDEC Recommended Soil Cleanup Objective
Sample Depth (in feet)	2-4	10-12	0-2	10-12	8-10	10-12	0-2	10-12	0-2	10-12	0-2	12-14	
<b>Volatile Organic Compounds (in micrograms per kilogram)</b>													
n-Butylbenzene	ND	ND	ND	140	ND	140	ND	ND	ND	ND	20	ND	10,000
sec-Butylbenzene	ND	ND	ND	79	ND	180	ND	ND	ND	ND	ND	ND	10,000
tert-Butylbenzene	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	10,000
1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	ND	-
Ethylbenzene	ND	ND	ND	44	ND	ND	ND	ND	ND	ND	ND	ND	5,500
Isopropylbenzene	ND	ND	ND	56	ND	80	ND	ND	ND	ND	ND	ND	2,300
p-Isopropyltoluene	ND	ND	ND	<b>11,000</b>	ND	ND	ND	ND	5	ND	ND	ND	10,000
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>630B</b>	56B	100
Naphthalene	ND	ND	ND	270	7	64	ND	ND	ND	ND	160B	400B	13,000
n-Propylbenzene	ND	ND	ND	36	ND	110	ND	ND	ND	ND	ND	ND	3,700
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	ND	1,400
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700
1,2,4-Trimethylbenzene	ND	ND	ND	710	ND	24	ND	ND	ND	ND	21	ND	10,000
1,3,5-Trimethylbenzene	ND	ND	ND	290	ND	ND	ND	ND	ND	ND	18	ND	3,300
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	200
Total Xylenes	ND	ND	ND	<b>1,380</b>	ND	ND	ND	ND	ND	5	ND	ND	1,200
<b>Total VOCs</b>	ND	ND	ND	<b>14,005</b>	7	611	ND	ND	5	5	904	456	10,000



**Table 6.4.1 (continued)**  
**Soil Chemical Analytical Results – Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	MW-11		MW-12		MW-13		MW-15		NYSDEC Recommended Soil Cleanup Objective
	0-2	10-12	0-2	10-12	0-2	10-12	0-2	10-12	
<b>Volatile Organic Compounds (in micrograms per kilogram)</b>									
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	10,000
sec-Butylbenzene	ND	ND	ND	ND	ND	54	ND	ND	10,000
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	10,000
1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	-
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5,500
Isopropylbenzene	ND	ND	ND	ND	7	20	ND	ND	2,300
p-Isopropyltoluene	ND	17	ND	ND	5	42	ND	ND	10,000
Methylene Chloride	<b>370B</b>	<b>120B</b>	<b>410B</b>	<b>250B</b>	<b>260B</b>	<b>290B</b>	33B	98B	100
Naphthalene	77B	ND	ND	ND	ND	87B	ND	ND	13,000
n-Propylbenzene	ND	ND	ND	ND	ND	22	ND	ND	3,700
Tetrachloroethylene	ND	ND	8	16	25	39	ND	ND	1,400
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	1,500
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	700
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	10,000
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	3,300
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	200
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	1,200
<b>Total VOCs</b>	447	137	418	266	288	554	33	98	10,000

**Notes:**

- ND = Not Detected
- J = Estimated value
- B = Analyte was detected in blank
- E = Result exceeded calibration range of instrument
- = No guidance value exists

Only detected analytes are reported.

**Bold** values indicate an exceedence of the New York State Department of Environmental Conservation (NYSDEC) Recommended Soil Cleanup Objective.

**Table 6.4.2**  
**Soil Chemical Analytical Results – Volatile Organic Compounds – Tentatively ID Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-1		SB-2		SB-3		SB-4		SB-5		SB-6	
Sample Depth (in feet)	0-2	10-12	0-2	12-14	3-5	15-17	0-2	10-12	0-2	11-13	0-2	10-14
<b>Volatile Organic Compounds (in micrograms per kilogram)</b>												
alpha-Pinene	700	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Decahydro methyl naphthalene isomer	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Decane	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Dimethyl cyclohexane isomer	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Dimethyl undecane isomer	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Dodecane	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Ethyl cyclohexane	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Ethyl dimethyl benzene isomer	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Methyl cyclohexane	ND	ND	NA	NA	28	ND	NA	NA	ND	ND	ND	ND
Methyl decane isomer	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Methyl (methylethyl) benzene isomers	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Methyl nonane isomer	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Methyl tridecane isomer	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Nonane	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Propyl heptane	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Tetrahydro methyl naphthalene isomers	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Tetramethyl cyclohexane isomer	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Trimethyl cyclohexane isomer	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Undecane	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Unknown alkene	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Unknown alkyl cyclohexanes	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Unknown cyclic aliphatic	ND	ND	NA	NA	25	ND	NA	NA	ND	ND	ND	ND

**Table 6.4.2 (continued)**  
**Soil Chemical Analytical Results – Volatile Organic Compounds – Tentatively ID Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

<b>Location No.</b>	<b>SB-7</b>		<b>SB-8</b>		<b>SB-9</b>		<b>SB-10</b>		<b>SB-11</b>	
<b>Sample Depth (in feet)</b>	<b>0-2</b>	<b>10-12</b>	<b>0-2</b>	<b>13-15</b>	<b>0-2</b>	<b>13-15</b>	<b>0-2</b>	<b>18-20</b>	<b>0-2</b>	<b>12-14</b>
<b>Volatile Organic Compounds (in micrograms per kilogram)</b>										
alpha-Pinene	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Decahydro methyl naphthalene isomer	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Decane	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Dimethyl cyclohexane isomer	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Dimethyl undecane isomer	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Dodecane	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Ethyl cyclohexane	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Ethyl dimethyl benzene isomer	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Methyl cyclohexane	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Methyl decane isomer	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Methyl (methylethyl) benzene isomer	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Methyl nonane isomer	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Methyl tridecane isomer	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Nonane	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Propyl heptane	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Tetrahydro methyl naphthalene isomers	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Tetramethyl cyclohexane isomer	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Trimethyl cyclohexane isomer	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Undecane	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Unknown alkene	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Unknown alkyl cyclohexanes	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND
Unknown cyclic aliphatic	NA	NA	ND	ND	NA	NA	ND	ND	ND	ND

**Table 6.4.2 (continued)**  
**Soil Chemical Analytical Results – Volatile Organic Compounds – Tentatively ID Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

<b>Location No.</b>	<b>SB-12</b>		<b>SB-13</b>		<b>SB-14</b>		<b>SB-15</b>		<b>SB-16</b>		<b>SB-17</b>	
<b>Sample Depth (in feet)</b>	<b>3-5</b>	<b>12-14</b>	<b>2-4</b>	<b>10-12</b>	<b>0-2</b>	<b>11-13</b>	<b>0-2</b>	<b>11-13</b>	<b>0-2</b>	<b>11-13</b>	<b>0-2</b>	<b>16-18</b>
<b>Volatile Organic Compounds (in micrograms per kilogram)</b>												
alpha-Pinene	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Decahydro methyl naphthalene isomer	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Decane	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Dimethyl cyclohexane isomer	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Dimethyl undecane isomer	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Dodecane	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Ethyl cyclohexane	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Ethyl dimethyl benzene isomer	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Methyl cyclohexane	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Methyl decane isomer	NA	NA	NA	NA	NA	NA	NA	NA	ND	420	ND	ND
Methyl (methylethyl) benzene isomer	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Methyl nonane isomer	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Methyl tridecane isomer	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Nonane	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Propyl heptane	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Tetrahydro methyl naphthalene isomers	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Tetramethyl cyclohexane isomer	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Trimethyl cyclohexane isomer	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Undecane	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Unknown alkene	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Unknown alkyl cyclohexanes	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
Unknown cyclic aliphatic	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND

**Table 6.4.2 (continued)**  
**Soil Chemical Analytical Results – Volatile Organic Compounds – Tentatively ID Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

<b>Location No.</b>	<b>SB-19</b>		<b>SB-20</b>	<b>SB-21</b>		<b>SB-22</b>		<b>SB-23</b>		<b>SB-24</b>	
<b>Sample Depth (n feet)</b>	<b>2-4</b>	<b>10-12</b>	<b>0-2</b>	<b>0-2</b>	<b>8-10</b>	<b>0-2</b>	<b>8-10</b>	<b>0-2</b>	<b>8-10</b>	<b>2-4</b>	<b>8-10</b>
<b>Volatile Organic Compounds (in micrograms per kilogram)</b>											
alpha-Pinene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Decahydro methyl naphthalene isomer	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Decane	NA	NA	NA	ND	ND	ND	ND	ND	ND	100	ND
Dimethyl cyclohexane isomer	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl undecane isomer	NA	NA	NA	ND	ND	ND	ND	ND	ND	170	ND
Dodecane	NA	NA	NA	ND	ND	ND	ND	ND	ND	120	ND
Ethyl cyclohexane	NA	NA	NA	ND	ND	ND	ND	ND	ND	59	ND
Ethyl dimethyl benzene isomer	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methyl cyclohexane	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methyl decane isomer	NA	NA	NA	ND	ND	ND	ND	ND	ND	84	ND
Methyl (methylethyl) benzene isomer	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methyl nonane isomer	NA	NA	NA	ND	ND	ND	ND	ND	ND	86	ND
Methyl tridecane isomer	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Nonane	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Propyl heptane	NA	NA	NA	ND	ND	ND	ND	ND	ND	110	ND
Tetrahydro methyl naphthalene isomers	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Tetramethyl cyclohexane isomer	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Trimethyl cyclohexane isomer	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Undecane	NA	NA	NA	ND	ND	ND	ND	ND	ND	55	ND
Unknown alkene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Unknown alkyl cyclohexanes	NA	NA	NA	ND	ND	ND	ND	ND	ND	240	ND
Unknown cyclic aliphatic	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND

**Table 6.4.2 (continued)**  
**Soil Chemical Analytical Results – Volatile Organic Compounds – Tentatively ID Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

<b>Location No.</b>	<b>SB-25</b>		<b>SB-26</b>		<b>SB-27</b>		<b>SB-28</b>		<b>SB-29</b>		<b>SB-30</b>		<b>SB-31</b>	
<b>Sample Depth (in feet)</b>	<b>0-2</b>	<b>5-10</b>	<b>1-3</b>	<b>8-10</b>	<b>1-3</b>	<b>8-10</b>	<b>3-5</b>	<b>8-10</b>	<b>0-2</b>	<b>8-10</b>	<b>2-3</b>	<b>8-10</b>	<b>2-4</b>	<b>8-10</b>
<b>Volatile Organic Compounds (in micrograms per kilogram)</b>														
alpha-Pinene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Decahydro methyl naphthalene isomer	ND	ND	ND	ND	260	ND	ND	ND	ND	ND	ND	ND	ND	ND
Decane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl cyclohexane isomer	ND	ND	ND	ND	420	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl undecane isomer	ND	ND	ND	ND	220	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dodecane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl dimethyl benzene isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl cyclohexane	ND	ND	ND	ND	160	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl decane isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl (methylethyl) benzene isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl nonane isomer	ND	ND	ND	ND	370	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tridecane isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nonane	ND	ND	ND	ND	200	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propyl heptane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydro methyl naphthalene isomers	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetramethyl cyclohexane isomer	ND	ND	ND	ND	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trimethyl cyclohexane isomer	ND	ND	ND	ND	490	ND	ND	ND	ND	ND	ND	ND	ND	ND
Undecane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown alkene	ND	ND	ND	ND	150	ND								
Unknown alkyl cyclohexanes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown cyclic aliphatic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Table 6.4.2 (continued)**  
**Soil Chemical Analytical Results – Volatile Organic Compounds – Tentatively ID Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

**Notes:**

Only detected analytes are reported.

ND = Not Detected

NA = Not Analyzed

No TAGM 4046 Objectives exist for TICs.

sample depths on the table are the depth intervals from which each sample was obtained.

The results are compared to the NYSDEC Recommended Soil Cleanup Objectives (TAGM-4046). Values that exceed the Objectives are presented in bold-faced type.

For the VOC soil samples, the results show that very few VOCs were detected in the soil boring locations at the site. The detections showed generally minor concentrations of constituents of petroleum products (with the exception of methylene chloride). Two exceedances of the Objectives were found: (1) in the boring for monitoring well MW-6, p-Isopropyltoluene was detected at a concentration of 11,000 parts per billion (ppb) (the Objective is 10,000 ppb) at a depth of 10 to 12 feet and (2) at MW-10, methylene chloride was detected at a concentration of 630 ppb (the Objective is 100 ppb) at a depth of 0 to 2 feet. All methylene chloride detections were flagged with a “B” and, therefore, their existence in the soil is, again, highly doubtful.

For the VOC TICs, most of the samples analyzed showed little of no detections of TICs. The exception to this is SB-27 (1-3 feet) which showed a total TIC concentration of 2,670 ppb, however, the total concentration of VOCs plus VOC TICs was 3,064 ppb, which is well below the Objective for total VOCs of 10,000 ppb.

In summary, the VOC and VOC TICs analyses generally show minor concentrations of petroleum constituents detected sporadically throughout the site and one minor exceedance of the Objectives for p-Isopropyltoluene. The relative absence of VOCs in the soil indicates that the petroleum that exists in the soil is highly weathered.

Table 6.4.3 shows the summary of the results for the SVOCs. SVOCs associated with petroleum were detected in most of the samples. Of the 41 boring locations, SVOC exceedances of the Objectives were found in at least one of the samples from every boring performed.

The locations at which the highest concentrations of total SVOCs were detected are SB-21 and SB-5. These sample locations are adjacent to one another and near the northeast corner of the site. The total concentrations at SB-21 were 1,110,100 ppb and 867,800 ppb at SB-5. Both of these concentrations were detected in the shallow soil at a



**Table 6.4.3**  
**Soil Chemical Analytical Results – Semi-Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-1		SB-2		SB-3		SB-4		SB-5		SB-6		NYSDEC Recommended Soil Cleanup Objective
Sample Depth (in feet)	0-2	10-12	0-2	12-14	3-5	15-17	0-2	10-12	0-2	11-13	0-2	10-14	
<b>Semi-Volatile Organic Compounds (in micrograms per kilogram)</b>													
Acenaphthene	ND	ND	1,100	ND	ND	ND	ND	1,200	19,000	ND	2,600	ND	50,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	580J	ND	ND	ND	ND	41,000
Anthracene	440J	140J	1,900	ND	ND	64J	ND	2,400	30,000	150J	4,700	ND	50,000
Benzo(a)anthracene	<b>2,300</b>	<b>480</b>	<b>2,900</b>	89J	ND	150J	58J	<b>6,400</b>	<b>93,000</b>	<b>290J</b>	<b>9,400</b>	ND	224
Benzo(a)pyrene	<b>1,900</b>	<b>400</b>	<b>1,900</b>	<b>75J</b>	ND	<b>130J</b>	ND	<b>4,300</b>	<b>65,000</b>	<b>230J</b>	<b>7,200</b>	ND	61
Benzo(b)fluoranthene	<b>1,300J</b>	290J	<b>1,500</b>	ND	ND	920J	ND	<b>5,300</b>	<b>86,000</b>	200J	<b>7,500</b>	ND	1,100
Benzo(g,h,i) perylene	1,400J	300J	990	ND	ND	64J	ND	720	16,000	95J	1,500J	ND	50,000
Benzo(k)fluoranthene	<b>1,700</b>	370	<b>1,600</b>	61J	ND	110J	ND	<b>2,500</b>	<b>47,000</b>	250J	<b>5,100</b>	ND	1,100
Bis(2-ethylhexyl)phthalate	ND	ND	680	ND	ND	ND	260J	ND	<b>62,000</b>	ND	ND	ND	50,000
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Chrysene	<b>2,400</b>	<b>500</b>	<b>2,600</b>	99J	ND	170J	66J	<b>6,200</b>	<b>67,000</b>	330	<b>9,100</b>	ND	400
Dibenzo(a,h)anthracene	<b>680J</b>	<b>170J</b>	<b>650J</b>	ND	ND	ND	ND	<b>620J</b>	<b>9,900</b>	ND	<b>1,100J</b>	ND	14
Dibenzofuran	ND	ND	560J	ND	ND	ND	ND	590J	<b>11,000</b>	ND	1,300J	ND	6,200
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,100
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Fluoranthene	3,800	1,100	5,000	230J	150J	370	130J	9,400	<b>110,000</b>	640	15,000	ND	50,000
Fluorene	ND	ND	1,100	ND	ND	ND	ND	2,300	21,000	65J	2,800	ND	50,000
Indeno(1,2,3-cd)pyrene	1,400J	300J	1,200	ND	ND	69J	ND	1,100	<b>20,000</b>	98J	2,100	ND	3,200
2-Methylnaphthalene	ND	ND	330J	ND	ND	ND	ND	200J	3,900J	ND	340J	ND	36,400
Naphthalene	ND	ND	730	ND	ND	ND	ND	300J	13,000	ND	520J	ND	13,000
Phenanthrene	1,500J	430	4,600	180J	ND	240J	72J	7,200	<b>96,000</b>	530	14,000	ND	50,000
Pyrene	3,800	1,000	4,300	240J	150J	350	120J	8,100	<b>98,000</b>	600	13,000	ND	50,000
<b>Total SVOCs</b>	22,620	5,480	33,640	974	300	2,637	706	59,410	<b>867,800</b>	3,478	97,260	ND	500,000

**Table 6.4.3 (continued)**  
**Soil Chemical Analytical Results – Semi-Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-7		SB-8		SB-9		SB-10		SB-11		NYSDEC Recommended Soil Cleanup Objective
Sample Depth (in feet)	0-2	10-12	0-2	13-15	0-2	13-15	0-2	18-20	0-2	12-14	
<b>Semi-Volatile Organic Compounds (in micrograms per kilogram)</b>											
Acenaphthene	ND	ND	200J	ND	ND	ND	1,600J	770J	ND	ND	50,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41,000
Anthracene	530J	ND	550J	220J	ND	ND	3,200	2,100	500J	ND	50,000
Benzo(a)anthracene	<b>1,800</b>	ND	<b>1,600</b>	<b>520</b>	<b>480</b>	ND	<b>11,000</b>	<b>3,000</b>	<b>1,500J</b>	ND	224
Benzo(a)pyrene	<b>1,500J</b>	ND	<b>1,300</b>	<b>440</b>	<b>390</b>	ND	<b>8,500</b>	<b>2,200</b>	<b>1,400J</b>	ND	61
Benzo(b)fluoranthene	<b>1,400J</b>	ND	<b>1,200</b>	370	510	ND	<b>9,800</b>	<b>1,800</b>	<b>1,600J</b>	ND	1,100
Benzo(g,h,i) perylene	500J	ND	480J	85J	ND	ND	1,700	1,000J	440J	ND	50,000
Benzo(k)fluoranthene	<b>1,800</b>	ND	980	440	680	ND	<b>7,300</b>	<b>1,900</b>	<b>1,600J</b>	ND	1,100
Bis(2-ethylhexyl)phthalate	2,400	ND	1,500	ND	210J	290J	6,900	ND	1,200J	ND	50,000
Butyl benzyl phthalate	ND	ND	2,000	ND	ND	ND	ND	ND	700J	ND	50,000
Chrysene	<b>2,100</b>	ND	<b>1,500</b>	<b>580</b>	<b>530</b>	ND	<b>11,000</b>	<b>3,000</b>	<b>1,700</b>	ND	400
Dibenzo(a,h)anthracene	<b>360J</b>	ND	<b>240J</b>	<b>61J</b>	ND	ND	<b>1,300J</b>	<b>600J</b>	ND	ND	14
Dibenzofuran	ND	ND	ND	ND	140J	ND	790J	810J	ND	ND	6,200
Di-n-butylphthalate	ND	ND	ND	ND	64J	ND	ND	ND	ND	ND	8,100
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Fluoranthene	3,700	ND	2,800	990	910	ND	15,000	6,400	2,800	ND	50,000
Fluorene	ND	ND	260J	68J	ND	ND	1,700	1,500J	ND	ND	50,000
Indeno(1,2,3-cd)pyrene	680J	ND	640J	130J	ND	ND	2,400	1,200	570J	ND	3,200
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	310J	ND	ND	36,400
Naphthalene	ND	ND	ND	ND	ND	ND	560J	660J	ND	ND	13,000
Phenanthrene	2,400	ND	2,000	770	870	ND	11,000	7,100	2,000	ND	50,000
Pyrene	3,300	ND	2,600	900	770	ND	13,000	5,900	2,500	ND	50,000
<b>Total SVOCs</b>	22,470	ND	19,850	5,574	5,554	290	106,750	40,250	18,510	ND	500,000

**Table 6.4.3 (continued)**  
**Soil Chemical Analytical Results – Semi-Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-12		SB-13		SB-14		SB-15		SB-16		SB-17		NYSDEC Recommended Soil Cleanup Objective
Sample Depth (in feet)	3-5	12-14	2-4	10-12	0-2	11-13	0-2	11-13	0-2	11-13	0-2	16-18	
<b>Semi-Volatile Organic Compounds (in micrograms per kilogram)</b>													
Acenaphthene	ND	ND	ND	ND	100J	ND	ND	ND	ND	380J	650J	ND	50,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41,000
Anthracene	75J	ND	100J	ND	320J	380J	530J	ND	440J	840J	1,500J	ND	50,000
Benzo(a)anthracene	220	59J	<b>290J</b>	ND	<b>960</b>	<b>1,100J</b>	<b>1,600J</b>	99J	<b>1,500J</b>	<b>2,200</b>	<b>3,000</b>	69J	224
Benzo(a)pyrene	<b>180J</b>	53J	<b>240J</b>	ND	<b>870</b>	<b>1,100J</b>	<b>1,500J</b>	<b>95J</b>	<b>1,200J</b>	<b>1,800</b>	<b>2,300</b>	ND	61
Benzo(b)fluoranthene	150J	ND	220J	ND	750	900J	<b>1,900J</b>	74J	<b>1,100J</b>	<b>1,600J</b>	<b>2,400</b>	53J	1,100
Benzo(g,h,i) perylene	100J	ND	60J	ND	130J	ND	670J	77J	790J	900J	890J	ND	50,000
Benzo(k)fluoranthene	160J	55J	250J	ND	1,100	<b>1,300J</b>	<b>1,700J</b>	78J	<b>1,200J</b>	<b>1,700</b>	<b>2,500</b>	64J	1,100
Bis(2-ethylhexyl)phthalate	ND	ND	860	ND	3,000	4,000	46,000	500	7,400	2,200	ND	ND	50,000
Butyl benzyl phthalate	ND	ND	560	ND	ND	ND	ND	ND	280J	720J	ND	ND	50,000
Chrysene	240	62J	330	ND	<b>1,100</b>	<b>1,400J</b>	<b>2,200J</b>	110J	<b>1,700</b>	<b>2,400</b>	<b>2,700</b>	72J	400
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	<b>340J</b>	<b>510J</b>	<b>360J</b>	ND	14
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	320J	ND	ND	6,200
Di-n-butylphthalate	62J	81J	ND	ND	ND	ND	ND	88J	ND	420J	ND	ND	8,100
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Fluoranthene	480	120J	550	ND	1,800	2,100	3,700	230J	3,200	4,500	5,800	140J	50,000
Fluorene	ND	ND	ND	ND	110J	ND	ND	ND	ND	510J	720J	ND	50,000
Indeno(1,2,3-cd)pyrene	110J	ND	82J	ND	190J	ND	810J	66J	790J	970J	960J	ND	3,200
2-Methylnaphthalene	ND	ND	ND	ND	220J	800J	ND	ND	ND	ND	ND	ND	36,400
Naphthalene	ND	ND	ND	ND	230J	780J	ND	ND	ND	980J	510J	ND	13,000
Phenanthrene	230J	65J	430	ND	1,300	1,600J	2,400J	170J	1,800	2,400	5,000	79J	50,000
Pyrene	450	120J	490	ND	1,700	1,900	3,400	230J	3,000	4,100	5,300	140J	50,000
<b>Total SVOCs</b>	<b>2,457</b>	<b>615</b>	<b>4,462</b>	<b>ND</b>	<b>13,880</b>	<b>17,360</b>	<b>66,410</b>	<b>1,817</b>	<b>24,740</b>	<b>29,450</b>	<b>34,590</b>	<b>617</b>	<b>500,000</b>

**Table 6.4.3 (continued)**  
**Soil Chemical Analytical Results – Semi-Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-19		SB-20	SB-21		SB-22		SB-23		SB-24		NYSDEC Recommended Soil Cleanup Objective
	2-4	10-12	0-2	0-2	8-10	0-2	8-10	0-2	8-10	2-4	8-10	
<b>Semi-Volatile Organic Compounds (in micrograms per kilogram)</b>												
Acenaphthene	1,100	ND	490J	24,000	120J	550J	ND	ND	ND	ND	420J	50,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	1,200J	ND	ND	41,000
Anthracene	780	ND	1,200J	37,000	290J	1,000J	ND	940J	540J	ND	650J	50,000
Benzo(a)anthracene	<b>2,400</b>	<b>260J</b>	<b>1,900</b>	<b>100,000</b>	<b>910</b>	<b>4,000</b>	100J	<b>3,000</b>	<b>1,500J</b>	<b>1,300J</b>	<b>1,500J</b>	224
Benzo(a)pyrene	<b>1,700</b>	<b>190J</b>	<b>1,500J</b>	<b>86,000</b>	<b>730</b>	<b>3,600</b>	<b>85J</b>	<b>2,400</b>	<b>5,300</b>	<b>870J</b>	<b>1,200J</b>	61
Benzo(b)fluoranthene	<b>1,600</b>	180J	<b>1,500J</b>	<b>130,000</b>	830	<b>4,000</b>	74J	<b>3,000</b>	<b>6,300</b>	<b>2,000J</b>	1,000J	1,100
Benzo(g,h,i) perylene	410J	ND	490J	8,900	200J	1,400J	62J	580J	2,700J	ND	280J	50,000
Benzo(k)fluoranthene	<b>1,700</b>	200J	<b>1,400J</b>	<b>130,000</b>	950	<b>3,700</b>	85J	<b>3,100</b>	<b>7,000</b>	<b>1,800J</b>	<b>1,200J</b>	1,100
Bis(2-ethylhexyl)phthalate	ND	ND	1,000J	34,000	ND	8,400	ND	10,000	ND	<b>53,000</b>	ND	50,000
Butyl benzyl phthalate	ND	ND	ND	3,100J	ND	800J	ND	ND	ND	ND	ND	50,000
Chrysene	<b>2,300</b>	300J	<b>2,000</b>	<b>100,000</b>	<b>980</b>	<b>4,400</b>	110J	<b>3,100</b>	<b>1,900J</b>	<b>1,800J</b>	<b>1,500J</b>	400
Dibenzo(a,h)anthracene	<b>220J</b>	ND	ND	<b>19,000</b>	ND	<b>850J</b>	ND	ND	<b>820J</b>	ND	ND	14
Dibenzofuran	680	ND	400J	<b>13,000</b>	ND	940J	ND	ND	110J	ND	330J	6,200
Di-n-butylphthalate	ND	ND	ND	ND	ND	790J	ND	ND	480J	ND	ND	8,100
Di-n-octylphthalate	ND	ND	ND	ND	ND	930J	ND	ND	ND	ND	ND	50,000
Fluoranthene	4,900	600J	5,000	<b>130,000</b>	1,700	5,900	190J	5,100	2,800J	1,700J	2,400	50,000
Fluorene	880	ND	630J	23,000	100J	510	ND	ND	ND	ND	480J	50,000
Indeno(1,2,3-cd)pyrene	500J	ND	500J	<b>21,000</b>	220J	<b>16,000J</b>	57J	540J	3,200J	ND	340J	3,200
2-Methylnaphthalene	310J	ND	ND	5,100J	ND	ND	ND	ND	ND	ND	ND	36,400
Naphthalene	860	ND	360J	<b>16,000</b>	ND	ND	ND	ND	ND	ND	420J	13,000
Phenanthrene	4,500	530J	4,700	<b>120,000</b>	1,200	3,500	100J	3,700	1,500J	1,500J	2,900	50,000
Pyrene	4,100	550J	4,300	<b>110,000</b>	1,600	5,400	200J	4,700	2,400J	1,600J	2,200	50,000
<b>Total SVOCs</b>	28,940	2,810	27,370	<b>1,110,100</b>	9,830	66,670	1,063	40,160	37,750	65,570	16,820	500,000

**Table 6.4.3 (continued)**  
**Soil Chemical Analytical Results – Semi-Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-25		SB-26		SB-27		SB-28		SB-29		SB-30		SB-31		NYSDEC Recommended Soil Cleanup Objective
Sample Depth (in feet)	0-2	5-10	1-3	8-10	1-3	8-10	3-5	8-10	0-2	8-10	2-3	8-10	2-4	8-10	
<b>Semi-Volatile Organic Compounds (in micrograms per kilogram)</b>															
Acenaphthene	ND	6,300	930J	ND	ND	1,100J	510J	270J	14,000	57J	2,700J	ND	720J	ND	50,000
Acenaphthylene	ND	800J	500J	ND	ND	ND	1,200J	ND	ND	ND	ND	ND	ND	ND	41,000
Anthracene	ND	13,000	1,900J	ND	ND	2,300J	2,700J	680	23,000	130J	4,700	ND	1,200J	ND	50,000
Benzo(a)anthracene	90J	<b>24,000</b>	<b>6,900</b>	170J	<b>1,200J</b>	<b>5,000</b>	<b>6,800</b>	<b>1,200</b>	<b>63,000</b>	<b>350</b>	<b>12,000</b>	ND	<b>2,300J</b>	100J	224
Benzo(a)pyrene	<b>86J</b>	<b>16,000</b>	<b>5,800</b>	<b>180J</b>	<b>1,100J</b>	<b>3,900</b>	<b>5,000</b>	<b>860</b>	<b>51,000</b>	<b>300J</b>	<b>8,500</b>	ND	<b>1,800J</b>	<b>110J</b>	61
Benzo(b)fluoranthene	86J	<b>17,000</b>	<b>5,800</b>	150J	1,100J	<b>3,900</b>	<b>5,100</b>	760	<b>78,000</b>	240J	<b>10,000</b>	ND	<b>1,700J</b>	80J	1,100
Benzo(g,h,i) perylene	ND	3,100J	1,700J	170J	ND	560J	710J	510	8,600	200J	1,500J	ND	ND	73J	50,000
Benzo(k)fluoranthene	81J	<b>18,000</b>	<b>6,200</b>	180J	<b>1,300J</b>	<b>5,000</b>	<b>7,200</b>	750	<b>73,000</b>	310J	<b>12,000</b>	ND	<b>1,700J</b>	80J	1,100
Bis(2-ethylhexyl)phthalate	140J	ND	910J	65J	9,800	8,500	1,300J	ND	2,700J	120J	24,000	66J	18,000	ND	50,000
Butyl benzylphthalate	53J	ND	540J	ND	520J	ND	ND	ND	7,200J	ND	44,000	ND	21,000	ND	50,000
Chrysene	97J	<b>22,000</b>	<b>7,600</b>	190J	<b>1,400J</b>	<b>5,200</b>	<b>6,100</b>	<b>1,100</b>	<b>62,000</b>	370	<b>12,000</b>	ND	<b>2,600J</b>	130J	400
Dibenzo(a,h)anthracene	ND	<b>1,600J</b>	<b>1,100J</b>	<b>52J</b>	ND	ND	ND	<b>220J</b>	<b>4,300J</b>	<b>76J</b>	<b>670J</b>	ND	ND	ND	14
Dibenzofuran	ND	4,200	780J	170J	ND	780J	520J	190J	<b>6,900J</b>	ND	1,300J	62J	690J	ND	6,200
Di-n-butylphthalate	100J	ND	620J	ND	ND	ND	ND	130J	ND	ND	ND	ND	1,300J	54J	8,100
Di-n-octylphthalate	ND	ND	590J	ND	ND	ND	ND	ND	ND	ND	630J	ND	900J	ND	50,000
Fluoranthene	140J	35,000	11,000	370	1,700J	12,000	10,000	2,100	<b>89,000</b>	730	19,000	72J	3,900	170J	50,000
Fluorene	ND	7,900	910J	ND	ND	1,400J	880J	350	12,000	53J	2,700J	ND	1,100J	ND	50,000
Indeno(1,2,3-cd)pyrene	ND	<b>3,500</b>	2,100J	160J	ND	690J	880J	540	<b>10,000</b>	190J	1,700J	ND	ND	54J	3,200
2-Methylnaphthalene	ND	2,200J	ND	ND	ND	ND	ND	82J	2,400J	ND	640J	ND	ND	ND	36,400
Naphthalene	ND	1,800J	ND	ND	ND	ND	ND	160J	7,500J	ND	800J	ND	ND	ND	13,000
Phenanthrene	95J	36,000	8,000	150J	1,100J	10,000	5,700	2,200	<b>74,000</b>	510	17,000	ND	4,200	130J	50,000
Pyrene	170J	32,000	9,700	380	1,600J	11,000	10,000	1,900	<b>76,000</b>	680	19,000	75J	3,700	200J	50,000
<b>Total SVOCs</b>	1,138	244,400	73,580	2,387	20,820	71,330	64,600	14,002	<b>664,600</b>	4,316	194,840	275	66,810	1,181	500,000

**Table 6.4.3 (continued)**  
**Soil Chemical Analytical Results – Semi-Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	MW-5		MW-6		MW-7		MW-8		MW-9		MW-10		NYSDEC Recommended Soil Cleanup Objective
Sample Depth (in feet)	2-4	10-12	0-2	10-12	8-10	10-12	0-2	10-12	0-2	10-12	0-2	12-14	
<b>Semi-Volatile Organic Compounds (in micrograms per kilogram)</b>													
Acenaphthene	8,500JE	810J	ND	660J	ND	1,000	63J	2,400	ND	55J	ND	470	50,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63J	41,000
Anthracene	17,000E	2,000	58J	1,400J	80J	620	200J	3,100	ND	130J	ND	1,100	50,000
Benzo(a)anthracene	<b>48,000E</b>	<b>4,300</b>	<b>250J</b>	<b>2,100J</b>	170J	<b>620</b>	<b>500J</b>	<b>4,800</b>	<b>11,000J</b>	200J	ND	<b>1,800</b>	224
Benzo(a)pyrene	<b>35,000E</b>	<b>3,400</b>	<b>220J</b>	<b>1,600J</b>	<b>130J</b>	ND	<b>450J</b>	<b>3,600</b>	<b>7,600</b>	<b>160J</b>	ND	<b>1,300</b>	61
Benzo(b)fluoranthene	<b>39,000E</b>	<b>3,000</b>	200J	<b>1,300J</b>	85J	ND	420J	<b>3,700</b>	<b>9,600J</b>	120J	ND	<b>1,200</b>	1,100
Benzo(g,h,i) perylene	5,000JE	870J	110J	710J	ND	ND	220J	830J	ND	76J	ND	360	50,000
Benzo(k)fluoranthene	<b>41,000E</b>	<b>3,100</b>	230J	<b>1,500J</b>	130J	ND	430J	<b>2,800</b>	<b>11,000J</b>	160J	ND	<b>1,400</b>	1,100
Bis(2-ethylhexyl)phthalate	ND	360J	290J	ND	ND	ND	2,700	ND	<b>51,000</b>	3,700	<b>440,000</b>	ND	50,000
Butyl benzylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Chrysene	<b>53,000E</b>	<b>4,800</b>	290J	<b>2,200J</b>	200J	<b>980</b>	<b>560J</b>	<b>5,300</b>	<b>12,000J</b>	160J	ND	<b>1,600</b>	400
Dibenzo(a,h)anthracene	<b>2,700JE</b>	<b>470J</b>	<b>56J</b>	ND	ND	ND	<b>110J</b>	ND	ND	ND	ND	<b>190J</b>	14
Dibenzofuran	4,900J	470J	ND	ND	ND	ND	ND	2,400	ND	ND	ND	340	6,200
Di-n-butylphthalate	ND	ND	ND	510J	ND	ND	ND	ND	ND	54J	ND	ND	8,100
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	39,000J	ND	9,700J	ND	50,000
Fluoranthene	<b>79,000E</b>	7,400	510	5,200	270J	930	1,100	11,000	24,000J	420	ND	2,800	50,000
Fluorene	8,600JE	1,100J	ND	920J	100J	ND	72J	4,100	ND	64J	ND	630	50,000
Indeno(1,2,3-cd)pyrene	<b>6,500JE</b>	1,200J	120J	780J	ND	ND	240J	1,200J	ND	86J	ND	380	3,200
2-Methlnaphthalene	ND	ND	ND	ND	ND	1,200J	ND	1,000J	ND	ND	ND	190J	36,400
Naphthalene	4,700JE	580J	ND	860J	ND	430	ND	2,000	ND	ND	ND	250J	13,000
Phenanthrene	<b>64,000E</b>	7,100	270J	5,700	390	3,100	830	13,000	19,000J	390	ND	2,600	50,000
Pyrene	<b>70,000E</b>	6,500	460	5,000	320J	1,200	980	9,000	22,000J	370	ND	2,600	50,000
<b>Total SVOCs</b>	486,900	47,460	3,064	30,440	1,875	10,080	8,875	70,230	206,200	6,145	449,700	19,273	500,000

**Table 6.4.3 (continued)**  
**Soil Chemical Analytical Results – Semi-Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	MW-11		MW-12		MW-13		MW-15		NYSDEC Recommended Soil Cleanup Objective
	0-2	10-12	0-2	10-12	0-2	10-12	0-2	10-12	
<b>Semi-Volatile Organic Compounds (in micrograms per kilogram)</b>									
Acenaphthene	ND	ND	ND	ND	ND	290J	ND	760J	50,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	41,000
Anthracene	350J	ND	670J	430J	ND	490J	ND	1,700	50,000
Benzo(a)anthracene	<b>1,100J</b>	ND	<b>1,500J</b>	<b>700J</b>	<b>730J</b>	<b>860J</b>	<b>1,100J</b>	<b>2,500</b>	224
Benzo(a)pyrene	<b>770J</b>	ND	<b>1,100J</b>	<b>440J</b>	ND	<b>590J</b>	<b>930J</b>	<b>2,100</b>	61
Benzo(b)fluoranthene	930J	ND	1,100J	480J	680J	630J	860J	<b>1,800</b>	1,100
Benzo(g,h,i) perylene	ND	ND	ND	ND	ND	ND	570J	1,200J	50,000
Benzo(k)fluoranthene	1,100J	ND	<b>1,300J</b>	520J	730J	740J	960J	<b>1,900</b>	1,100
Bis(2-ethylhexyl)phthalate	9,000	170J	2,500	470J	12,000	4,000	2,300	15,000	50,000
Butyl benzylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Chrysene	<b>1,100J</b>	ND	<b>1,400J</b>	<b>730J</b>	<b>750J</b>	<b>920J</b>	<b>1,100J</b>	<b>2,200</b>	400
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	<b>270J</b>	<b>500J</b>	14
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	650J	6,200
Di-n-butylphthalate	ND	100J	ND	ND	850J	ND	ND	ND	8,100
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Fluoranthene	2,100	98J	3,000	1,400J	1,400J	1,500J	2,200	6,000	50,000
Fluorene	ND	ND	270J	300J	ND	ND	ND	930J	50,000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	550J	1,200J	3,200
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	460J	36,400
Naphthalene	ND	ND	ND	ND	ND	ND	ND	910J	13,000
Phenanthrene	1,500J	ND	2,400	1,400J	1,200J	1,800	1,000J	6,100	50,000
Pyrene	2,000	100J	2,900	1,300J	1,300J	1,400J	2,000	5,500	50,000
<b>Total SVOCs</b>	19,950	468	18,140	8,170	19,640	13,220	13,840	51,410	500,000

**Notes:**

- ND = Not Detected
- J = Estimated value
- E = Result exceeded calibration range of instrument

Only detected analytes are reported.

**Bold** values indicate an exceedence of the New York State Department of Environmental Conservation (NYSDEC) Recommended Soil Cleanup Objective.

depth of 0 to 2 feet. However, in the deeper sample at SB-21, the total SVOC concentrations decreased to 9,830 ppb and at SB-5, at 11-13 feet, the concentration decreased to 3,478 ppb. This indicates that the SVOCs are found at significantly higher concentrations in the shallow soil and are not migrating appreciably into the deeper soil. In fact, throughout the site, the average concentration of total SVOCs in the shallow soil is significantly greater than in the deep soil. These results appear to be consistent with the idea that the site contains an overlying layer of fill material that varies in thickness across the site. The fill was apparently contaminated with petroleum.

Table 6.4.4 shows the summary of the results for metals, pesticides, and PCBs. For the metals, exceedances of the Objectives were found in every boring location and in every sample. These metals include arsenic, barium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, mercury, nickel, selenium, sodium, and zinc. Other metals were detected and may exceed the Objectives (such as antimony and silver which require comparisons to site background concentrations), however, background concentrations were not established as part of this investigation.

Pesticides were generally detected infrequently and at low concentrations. However, two relatively minor exceedances of the Objectives were noted for chlordane (SB-10, 0-2 feet, 780 ppb and MW-5, 2-4 feet, 1,100 ppb). The Objective for chlordane is 540 ppb.

Polychlorinated biphenyls (PCBs) were detected generally infrequently and at low concentrations. The Objective for total PCBs is 1 ppb when the sample is obtained at the ground surface and 10 ppb when the sample is obtained beyond this depth. Relatively minor exceedances of the Objectives were noted in five samples. The highest total concentration of PCBs detected was 4.23 ppb at 0-2 feet at SB-17.

It is important to note that the shallow samples contained the vast majority of the metals, pesticides, and PCBs. The deeper soil contained significantly lower concentrations of metals (although many still exceeded the Objectives), pesticides, and PCBs. This trend is consistent with the vertical distribution of SVOCs and further confirms that the site fill that generally comprises the upper soil at the site contains the



**Table 6.4.4**  
**Soil Chemical Analytical Results – Metals, Pesticides, and PCBs**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-1		SB-2		SB-3		SB-4		SB-5		SB-6		NYSDEC Recommended Soil Cleanup Objective
Sample Depth (in feet)	0-2	10-12	0-2	12-14	3-5	15-17	0-2	10-12	0-2	11-13	0-2	10-14	
<b>Metals (in milligrams per kilogram)</b>													
Aluminum	6,860	6,140	19,700	6,500	14,100	6,400	20,500	5,130	13,900	5,580	6,980	22,300	33,000
Antimony	5.01	ND	39.5	ND	13.1	ND	18.4	8.21	17.9	ND	1.97	23.5	SB
Arsenic	<b>11.8</b>	4.60	ND	4.06	<b>33</b>	3.62	ND	<b>38.7</b>	<b>7.9</b>	<b>41.3</b>	6.78	2.89	7.5
Barium	<b>368</b>	151	<b>722</b>	71.2	<b>4,060</b>	74.8	<b>660</b>	209	<b>705</b>	<b>430</b>	210	<b>644</b>	300
Cadmium	<b>3.99</b>	<b>1.01</b>	<b>11.1</b>	ND	<b>3.69</b>	ND	<b>7.56</b>	<b>1.03</b>	<b>7.32</b>	0.55	<b>2.97</b>	<b>5.92</b>	1
Calcium	13,600	17,600	17,200	1,970	13,000	2,330	21,000	177	21,100	11,300	6,860	17,900	35,000
Chromium	<b>112</b>	<b>66.9</b>	<b>870</b>	<b>27.0</b>	<b>365</b>	<b>16.3</b>	<b>535</b>	<b>17.9</b>	<b>247</b>	<b>23.4</b>	<b>89.4</b>	<b>345</b>	10
Cobalt	<b>78.3</b>	<b>300</b>	<b>1,470</b>	<b>30.8</b>	<b>701</b>	6.68	<b>866</b>	6.97	<b>532</b>	9.83	<b>126</b>	<b>830</b>	30
Copper	<b>1,210</b>	<b>700</b>	<b>5,960</b>	<b>150</b>	<b>3,630</b>	<b>27.0</b>	<b>5,540</b>	<b>144</b>	<b>2,910</b>	<b>155</b>	<b>771</b>	<b>5,390</b>	25
Iron	<b>56,700</b>	<b>39,100</b>	<b>140,000</b>	<b>18,000</b>	<b>103,000</b>	<b>17,000</b>	<b>130,000</b>	<b>22,100</b>	<b>86,100</b>	<b>49,300</b>	384	<b>123,000</b>	2,000
Lead	<b>1,200</b>	<b>717</b>	<b>3,430</b>	148	<b>3,480</b>	82.8	<b>3,850</b>	390	<b>3,010</b>	<b>1,120</b>	<b>884</b>	<b>2,550</b>	500
Magnesium	3,210	3,770	<b>17,400</b>	2,360	<b>10,700</b>	2,480	<b>17,000</b>	3,100	<b>10,800</b>	2,530	3,100	<b>11,000</b>	5,000
Manganese	428	284	942	287	963	265	1,100	544	665	488	372	785	5,000
Mercury	<b>0.87</b>	<b>0.65</b>	<b>0.53</b>	<b>0.93</b>	<b>2.85</b>	<b>0.87</b>	<b>0.92</b>	<b>1.03</b>	<b>0.85</b>	<b>0.63</b>	<b>1.25</b>	<b>0.44</b>	0.1
Nickel	<b>30.6</b>	<b>24.5</b>	<b>254</b>	<b>14.3</b>	<b>298</b>	8.62	<b>560</b>	12.0	<b>120</b>	4.00	<b>58.1</b>	<b>46.4</b>	13
Potassium	883	898	3,560	743	2,530	973	4,180	687	2,250	2,280	1,040	3,470	43,000
Selenium	<b>10.3</b>	<b>8.14</b>	ND	<b>3.60</b>	<b>7.58</b>	<b>3.77</b>	<b>2.06</b>	<b>4.98</b>	<b>13.6</b>	<b>8.63</b>	<b>7.78</b>	1.66	2
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	SB
Sodium	140	<b>12,800</b>	<b>74,700</b>	1,760	<b>86,900</b>	527	<b>96,700</b>	1,360	<b>41,900</b>	1,550	<b>10,800</b>	<b>126,000</b>	8,000
Vanadium	26.0	19.6	116	19.4	66.3	23.2	103	23.3	73.5	13.9	24.2	66.6	150
Zinc	<b>5,770</b>	<b>5,330</b>	<b>17,000</b>	<b>714</b>	<b>19,000</b>	<b>97.3</b>	<b>19,300</b>	<b>489</b>	<b>13,100</b>	<b>629</b>	<b>4,680</b>	<b>21,300</b>	20
<b>Pesticides (in micrograms per kilogram)</b>													
Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	76.9	ND	540
4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,900
4,4'DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,100
4,4'DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,100
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
<b>PCBs (in milligrams per kilogram)</b>													
PCB 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
PCB 1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
PCB 1260	ND	ND	ND	ND	ND	ND	ND	ND	0.58	ND	ND	ND	-
PCB, Total	ND	ND	ND	ND	ND	ND	ND	ND	0.58	ND	ND	ND	1.0 surface, 10.0 subsurface

**Table 6.4.4 (continued)**  
**Soil Chemical Analytical Results – Metals, Pesticides, and PCBs**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-7		SB-8		SB-9		SB-10		SB-11		NYSDEC Recommended Soil Cleanup Objective
	0-2	10-12	0-2	13-15	0-2	13-15	0-2	18-20	0-2	12-14	
<b>Metals (in milligrams per kilogram)</b>											
Aluminum	9,270	2,870	6,670	3,260	8,360	2,360	6,920	3,680	5,690	3,150	33,000
Antimony	14.8	ND	1.40	2.54	ND	ND	ND	ND	ND	ND	SB
Arsenic	<b>10.2</b>	1.46	<b>102</b>	<b>56.5</b>	<b>34.1</b>	ND	6.90	2.66	5.57	1.36	7.5
Barium	267	30.7	<b>440</b>	278	159	25.4	199	50.9	<b>340</b>	27.5	300
Cadmium	<b>3.39</b>	ND	<b>2.63</b>	<b>2.25</b>	0.85	ND	0.57	ND	0.72	ND	1
Calcium	10,700	4,180	23,500	12,400	3,910	4,510	9,870	10,700	<b>43,200</b>	1,500	35,000
Chromium	<b>109</b>	7.38	<b>64.2</b>	<b>16.3</b>	<b>21.7</b>	5.41	<b>17.0</b>	<b>13.2</b>	<b>15.4</b>	7.78	10
Cobalt	<b>101</b>	4.47	28.3	7.39	9.77	3.40	5.11	4.54	3.97	4.04	30
Copper	<b>909</b>	10.8	<b>556</b>	<b>197</b>	<b>200</b>	13.6	<b>98.3</b>	<b>29.2</b>	<b>55.8</b>	8.89	25
Iron	<b>42,200</b>	<b>9,330</b>	<b>31,500</b>	<b>18,000</b>	<b>17,800</b>	<b>6,010</b>	<b>12,600</b>	<b>8,730</b>	<b>8,400</b>	<b>7,700</b>	2,000
Lead	<b>837</b>	5.19	<b>1,410</b>	263	431	3.99	153	113	401	3.71	500
Magnesium	3,350	3,060	3,990	3,630	1,900	2,400	2,600	2,630	<b>6,300</b>	1,710	5,000
Manganese	288	299	350	314	328	171	199	229	200	123	5,000
Mercury	<b>1.83</b>	<b>0.33</b>	<b>1.02</b>	<b>0.61</b>	<b>1.44</b>	<b>0.11</b>	<b>0.63</b>	<b>0.36</b>	<b>1.11</b>	<b>0.27</b>	0.1
Nickel	<b>45.7</b>	8.01	<b>28.2</b>	<b>156</b>	<b>14.6</b>	4.97	10.1	9.83	<b>135</b>	6.31	13
Potassium	982	595	840	889	655	617	630	742	593	967	43,000
Selenium	<b>8.41</b>	<b>2.43</b>	<b>6.67</b>	<b>33.8</b>	<b>13.6</b>	<b>2.18</b>	<b>3.15</b>	<b>2.29</b>	<b>2.30</b>	1.81	2
Silver	ND	ND	ND	1.13	ND	ND	ND	ND	ND	ND	SB
Sodium	<b>12,800</b>	404	5,510	2,230	1,830	345	1,190	526	1,090	277	8,000
Vanadium	23.0	9.39	20.2	11.9	13.8	7.96	21.3	11.3	14.4	10.6	150
Zinc	<b>5,360</b>	<b>55.6</b>	<b>2,390</b>	<b>953</b>	<b>728</b>	<b>20.6</b>	<b>421</b>	<b>80.7</b>	<b>357</b>	<b>22.3</b>	20
<b>Pesticides (in micrograms per kilogram)</b>											
Chlordane	241	ND	464	ND	124	ND	<b>780</b>	ND	<b>732</b>	ND	540
4,4'-DDD	ND	ND	10.5	ND	ND	ND	18.5	ND	11.7	ND	2,900
4,4'DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,100
4,4'DDT	ND	ND	26.4	ND	ND	ND	15.7	ND	26.8	ND	2,100
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
<b>PCBs (in milligrams per kilogram)</b>											
PCB 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
PCB 1254	0.54	ND	ND	ND	0.64	ND	ND	ND	ND	ND	-
PCB 1260	0.32	ND	ND	ND	0.14	ND	ND	ND	ND	ND	-
PCB, Total	0.86	ND	ND	ND	0.78	ND	ND	ND	ND	ND	1.0 surface, 10.0 subsurface

**Table 6.4.4 (continued)**  
**Soil Chemical Analytical Results – Metals, Pesticides, and PCBs**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-12		SB-13		SB-14		SB-15		SB-16		SB-17		NYSDEC Recommended Soil Cleanup Objective
Sample Depth (in feet)	3-5	12-14	2-4	10-12	0-2	11-13	0-2	11-13	0-2	11-13	0-2	16-18	
<b>Metals (in milligrams per kilogram)</b>													
Aluminum	4,970	3,390	2,400	3,050	4,900	5,510	6,650	3,590	5,060	5,990	12,300	8,720	33,000
Antimony	ND	ND	ND	ND	ND	ND	13.0	ND	ND	1.71	27.3	ND	SB
Arsenic	2.07	1.65	2.40	ND	6.26	7.18	<b>10.8</b>	1.86	6.45	<b>28.8</b>	<b>23.0</b>	4.62	7.5
Barium	43.7	40.3	<b>839</b>	41.3	189	241	<b>367</b>	39.5	153	116	<b>310</b>	79.3	300
Cadmium	ND	ND	0.67	ND	0.89	<b>1.05</b>	<b>30.6</b>	ND	<b>3.09</b>	<b>6.79</b>	<b>30.7</b>	ND	1
Calcium	1,990	5,340	518	8,360	5,610	8,540	9,940	1,630	26,500	154	13,900	19,300	35,000
Chromium	<b>14.0</b>	8.84	9.83	6.71	<b>13.4</b>	<b>17.4</b>	<b>84.3</b>	<b>12.4</b>	<b>237</b>	<b>56.7</b>	<b>84.8</b>	<b>15.2</b>	10
Cobalt	4.37	5.62	3.43	4.33	12.2	6.30	<b>99.1</b>	7.02	15.6	21.4	<b>37.8</b>	15.5	30
Copper	22.5	12.3	<b>27.0</b>	9.55	<b>80.0</b>	<b>7,290</b>	<b>1,120</b>	19.9	<b>382</b>	<b>514</b>	<b>1,570</b>	23.1	25
Iron	<b>18,600</b>	<b>11,400</b>	<b>6,450</b>	69.3	<b>10,300</b>	<b>11,100</b>	<b>40,400</b>	<b>14,100</b>	<b>16,000</b>	<b>27,800</b>	<b>38,200</b>	<b>12,300</b>	2,000
Lead	11.7	7.40	188	3.89	185	172	<b>810</b>	15.3	211	484	<b>1,200</b>	27.9	500
Magnesium	2,110	2,860	1,350	4,450	1,480	1,710	3,120	1,650	2,710	<b>6,170</b>	2,900	3,990	5,000
Manganese	414	275	107	209	133	162	347	324	281	241	466	214	5,000
Mercury	<b>0.11</b>	ND	<b>0.26</b>	ND	<b>0.14</b>	<b>0.40</b>	<b>0.60</b>	<b>0.13</b>	<b>0.29</b>	<b>0.92</b>	<b>1.55</b>	<b>0.32</b>	0.1
Nickel	5.60	7.41	5.51	6.63	12.4	11.4	<b>54.7</b>	9.22	<b>18.7</b>	<b>61.3</b>	<b>109</b>	<b>33.3</b>	13
Potassium	923	765	458	815	380	463	855	967	692	1,050	13,900	3,630	43,000
Selenium	<b>4.86</b>	<b>3.19</b>	1.59	1.80	<b>2.50</b>	<b>2.85</b>	<b>8.32</b>	<b>3.16</b>	<b>3.86</b>	<b>6.97</b>	<b>8.82</b>	<b>4.01</b>	2
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.70	ND	SB
Sodium	787	430	2,720	294	1,080	930	<b>10,800</b>	368	2,260	4,900	6,570	401	8,000
Vanadium	20.3	15.7	8.13	8.94	13.8	16.6	35.9	18.2	14.8	19.8	36.7	18.6	150
Zinc	<b>39.3</b>	<b>28.9</b>	<b>1,160</b>	<b>34.3</b>	<b>409</b>	<b>340</b>	<b>4,470</b>	<b>64.1</b>	<b>939</b>	<b>2,070</b>	<b>2,740</b>	<b>124</b>	20
<b>Pesticides (in micrograms per kilogram)</b>													
Chlordane	ND	ND	505	ND	89.2	84.4	265	ND	538	ND	ND	ND	540
4,4'-DDD	ND	ND	60.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,900
4,4'DDE	ND	ND	15.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,100
4,4'DDT	ND	ND	30.6	ND	ND	27.5	ND	ND	ND	ND	ND	ND	2,100
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
<b>PCBs (in milligrams per kilogram)</b>													
PCB 1248	ND	ND	ND	ND	0.19	0.32	ND	ND	ND	ND	ND	ND	-
PCB 1254	ND	ND	ND	ND	0.21	0.19	0.45	ND	ND	0.30	2.72	ND	-
PCB 1260	ND	ND	ND	ND	0.25	0.08	0.16	ND	0.22	0.07	1.51	ND	-
PCB, Total	ND	ND	ND	ND	0.65	0.59	0.61	ND	0.22	0.37	<b>4.23</b>	ND	1.0 surface, 10.0 subsurface

**Table 6.4.4 (continued)**  
**Soil Chemical Analytical Results – Metals, Pesticides, and PCBs**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-19		SB-20	SB-21		SB-22		SB-23		SB-24		NYSDEC Recommended Soil Cleanup Objective
Sample Depth (in feet)	2-4	10-12	0-2	0-2	8-10	0-2	8-10	0-2	8-10	2-4	8-10	
<b>Metals (in milligrams per kilogram)</b>												
Aluminum	7,850	4,950	6,400	7,850	5,480	8,310	12,600	8,000	22,800	8,520	6,450	33,000
Antimony	ND	ND	1.04	3.58	3.96	17.9	22.3	15.4	26.0	33.8	24.9	SB
Arsenic	5.30	<b>10.2</b>	<b>21.2</b>	<b>8.79</b>	<b>111</b>	<b>9.32</b>	3.37	<b>13.5</b>	1.79	<b>15.2</b>	<b>13.9</b>	7.5
Barium	98.1	161	138	135	<b>654</b>	<b>367</b>	<b>552</b>	230	<b>689</b>	<b>454</b>	247	300
Cadmium	0.67	ND	0.56	<b>3.34</b>	0.74	<b>4.94</b>	<b>3.15</b>	<b>9.14</b>	<b>10.0</b>	<b>19.8</b>	<b>1.83</b>	1
Calcium	11,300	5,330	8,370	30,700	5,900	17,400	5,690	8,750	12,700	6,850	29,800	35,000
Chromium	<b>19.3</b>	<b>15.7</b>	<b>39.8</b>	<b>26.6</b>	<b>34.4</b>	<b>154</b>	<b>209</b>	<b>51.3</b>	<b>452</b>	<b>353</b>	<b>44.7</b>	10
Cobalt	17.3	6.01	<b>31.8</b>	12.6	<b>35.1</b>	<b>341</b>	<b>1,090</b>	<b>49.7</b>	<b>1,370</b>	<b>322</b>	<b>51.0</b>	30
Copper	<b>124</b>	<b>73.6</b>	<b>378</b>	<b>957</b>	<b>245</b>	<b>1,540</b>	<b>2,100</b>	<b>1,260</b>	<b>4,040</b>	<b>1,720</b>	<b>583</b>	25
Iron	<b>15,000</b>	<b>19,000</b>	<b>21,500</b>	<b>14,900</b>	<b>23,800</b>	<b>53,600</b>	<b>70,400</b>	<b>26,200</b>	<b>111,000</b>	<b>56,400</b>	<b>41,500</b>	2,000
Lead	407	<b>534</b>	468	341	<b>544</b>	<b>1,210</b>	<b>872</b>	<b>608</b>	<b>2,030</b>	<b>2,270</b>	<b>633</b>	500
Magnesium	<b>5,050</b>	1,630	2,840	<b>11,900</b>	2,320	<b>8,350</b>	<b>6,170</b>	2,690	<b>9,900</b>	4,040	3,030	5,000
Manganese	326	426	298	617	373	366	510	234	859	295	417	5,000
Mercury	<b>0.21</b>	<b>3.56</b>	<b>1.08</b>	ND	<b>2.11</b>	<b>1.04</b>	<b>0.33</b>	<b>2.92</b>	<b>2.11</b>	<b>0.31</b>	<b>0.42</b>	0.1
Nickel	<b>41.6</b>	8.07	<b>23.7</b>	<b>27.0</b>	<b>16.1</b>	<b>114</b>	<b>46.1</b>	<b>42.2</b>	<b>33.5</b>	<b>123</b>	<b>31.6</b>	13
Potassium	1,630	834	888	1,010	1,160	1,500	1,970	1,060	3,470	1,350	1,020	43,000
Selenium	<b>3.78</b>	<b>4.71</b>	<b>7.87</b>	1.76	ND	ND	ND	ND	ND	ND	ND	2
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.18	ND	SB
Sodium	1,890	1,660	3,890	1,200	1,080	<b>10,500</b>	<b>15,600</b>	2,820	<b>30,000</b>	<b>11,100</b>	3,640	8,000
Vanadium	17.5	19.0	18.6	56.2	19.2	43.7	42.8	32.1	88.6	54.7	22.1	150
Zinc	<b>695</b>	<b>440</b>	<b>1,670</b>	<b>528</b>	<b>695</b>	<b>7,650</b>	<b>10,600</b>	<b>2,350</b>	<b>15,200</b>	<b>8,300</b>	<b>2,900</b>	20
<b>Pesticides (in micrograms per kilogram)</b>												
Chlordane	ND	ND	ND	167	ND	73.8	ND	ND	ND	ND	ND	540
4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,900
4,4'DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,100
4,4'DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,100
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
<b>PCBs (in milligrams per kilogram)</b>												
PCB 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
PCB 1254	0.07	ND	0.07	ND	ND	ND	ND	1.03	ND	0.76	ND	-
PCB 1260	0.06	ND	0.05	0.15	ND	0.11	ND	1.76	ND	0.33	ND	-
PCB, Total	0.13	ND	0.12	0.15	ND	0.11	ND	<b>2.79</b>	ND	<b>1.09</b>	ND	1.0 surface, 10.0 subsurface

**Table 6.4.4 (continued)**  
**Soil Chemical Analytical Results – Metals, Pesticides, and PCBs**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-25		SB-26		SB-27		SB-28		SB-29		SB-30		NYSDEC Recommended Soil Cleanup Objective
	0-2	5-10	1-3	8-10	1-3	8-10	3-5	8-10	0-2	8-10	2-3	8-10	
<b>Metals (in milligrams per kilogram)</b>													
Aluminum	7,560	7,850	9,280	6,160	4,650	6,030	8,130	4,580	11,000	4,990	5,190	3,420	33,000
Antimony	ND	20.9	17.3	ND	9.26	2.63	4.97	77.4	2.09	ND	6.55	ND	SB
Arsenic	2.75	6.53	<b>17.1</b>	<b>15.4</b>	5.49	<b>8.33</b>	<b>8.55</b>	<b>2,030</b>	<b>10.6</b>	2.43	6.78	1.26	7.5
Barium	32.7	225	<b>331</b>	<b>3,120</b>	115	201	260	103	239	60.2	<b>773</b>	34.1	300
Cadmium	ND	<b>3.54</b>	<b>5.45</b>	0.94	<b>7.58</b>	<b>1.73</b>	<b>2.22</b>	ND	<b>1.10</b>	ND	<b>2.35</b>	ND	1
Calcium	1,770	<b>42,300</b>	6,500	<b>45,100</b>	2,920	<b>35,200</b>	24,800	18,600	<b>35,100</b>	6,020	33,500	4,450	35,000
Chromium	8.81	<b>182</b>	<b>208</b>	<b>12.1</b>	<b>31.6</b>	<b>40.7</b>	<b>82.0</b>	<b>11.5</b>	<b>28.9</b>	<b>11.9</b>	<b>32.9</b>	6.35	10
Cobalt	3.59	<b>103</b>	<b>184</b>	ND	21.2	<b>62.5</b>	<b>49.5</b>	27.1	7.32	4.63	15.4	4.03	30
Copper	18.9	<b>1,720</b>	<b>2,720</b>	<b>41.8</b>	<b>352</b>	<b>356</b>	<b>599</b>	<b>525</b>	<b>331</b>	21.1	<b>187</b>	14.8	25
Iron	<b>8,240</b>	<b>67,600</b>	<b>72,200</b>	<b>9,510</b>	<b>15,400</b>	<b>22,500</b>	<b>37,600</b>	<b>10,600</b>	<b>14,800</b>	<b>10,600</b>	<b>45,400</b>	<b>10,400</b>	2,000
Lead	24.5	<b>1,200</b>	<b>915</b>	<b>6,630</b>	352	489	351	<b>631</b>	233	16.6	386	5.63	500
Magnesium	1,040	<b>5,810</b>	4,070	<b>6,260</b>	1,720	3,480	4,040	1,410	<b>11,000</b>	2,630	3,510	3,180	5,000
Manganese	105	281	493	238	131	262	363	108	314	249	541	293	5,000
Mercury	ND	<b>0.13</b>	<b>1.39</b>	<b>0.58</b>	<b>1.05</b>	<b>0.15</b>	<b>0.15</b>	<b>0.51</b>	ND	ND	<b>0.20</b>	ND	0.1
Nickel	6.24	<b>46.6</b>	<b>79.3</b>	<b>13.3</b>	<b>20.9</b>	<b>33.6</b>	<b>26.2</b>	<b>782</b>	<b>24.8</b>	10.2	<b>30.3</b>	7.70	13
Potassium	356	1,600	1,440	1,550	908	1,330	2,270	822	1,620	1,050	1,130	512	43,000
Selenium	ND	ND	ND	1.72	ND	ND	ND	<b>121</b>	ND	ND	ND	ND	2
Silver	ND	ND	ND	ND	ND	ND	ND	2.00	ND	ND	ND	ND	SB
Sodium	292	<b>11,300</b>	<b>10,000</b>	1,530	1,130	2,990	3,520	487	738	348	1,360	593	8,000
Vanadium	17.3	28.6	71.9	15.9	23.1	21.4	29.5	18.3	40.6	17.8	17.8	8.66	150
Zinc	<b>92.9</b>	<b>7,840</b>	<b>7,540</b>	<b>1,140</b>	<b>903</b>	<b>2,220</b>	<b>2,760</b>	<b>128</b>	<b>261</b>	<b>46.9</b>	<b>827</b>	<b>26.2</b>	20
<b>Pesticides (in micrograms per kilogram)</b>													
Chlordane	<b>553</b>	ND	ND	ND	150	ND	ND	ND	363	ND	368	ND	540
4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,900
4,4'DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,100
4,4'DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,100
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
<b>PCBs (in milligrams per kilogram)</b>													
PCB 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
PCB 1254	ND	ND	0.73	ND	0.15	0.03	ND	ND	ND	ND	ND	ND	-
PCB 1260	ND	ND	0.28	ND	0.11	0.03	0.07	ND	0.03	ND	0.06	ND	-
PCB, Total	ND	ND	<b>1.01</b>	ND	0.26	0.06	0.07	ND	0.03	ND	0.06	ND	1.0 surface, 10.0 subsurface

**Table 6.4.4 (continued)**  
**Soil Chemical Analytical Results – Metals, Pesticides, and PCBs**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	SB-31		MW-5		MW-6		MW-7		MW-8		MW-9		NYSDEC Recommended Soil Cleanup Objective
	2-4	8-10	2-4	10-12	0-2	10-12	8-10	10-12	0-2	10-12	0-2	10-12	
<b>Metals (in milligrams per kilogram)</b>													
Aluminum	5,230	3,890	9,890	31,500	20,600	12,600	23,000	18,400	12,100	7,840	5,230	4,270	33,000
Antimony	2.00	ND	4.82	69.5	25.2	6.43	15.4	9.12	5.38	ND	25.9	ND	SB
Arsenic	5.61	1.90	7.39	5.71	ND	<b>14.3</b>	ND	ND	5.34	5.40	<b>17.3</b>	3.67	7.5
Barium	<b>488</b>	33.1	<b>480</b>	<b>1,820</b>	<b>768</b>	<b>2,620</b>	<b>683</b>	<b>563</b>	185	<b>430</b>	221	43.4	300
Cadmium	<b>1.03</b>	ND	<b>2.93</b>	<b>10.5</b>	<b>11.6</b>	<b>1.63</b>	<b>4.45</b>	<b>3.02</b>	<b>2.71</b>	0.65	<b>19.6</b>	ND	1
Calcium	<b>52,100</b>	3,450	28,200	23,300	16,400	16,300	14,000	15,400	7,630	3,970	5,260	10,500	35,000
Chromium	<b>17.3</b>	<b>10.4</b>	<b>216</b>	<b>589</b>	<b>591</b>	<b>219</b>	<b>236</b>	<b>267</b>	<b>30.0</b>	<b>18.3</b>	<b>32.4</b>	<b>20.2</b>	10
Cobalt	4.95	5.73	<b>322</b>	<b>3,680</b>	<b>1,020</b>	<b>734</b>	<b>1,390</b>	<b>1,520</b>	15.3	5.12	11.6	5.24	30
Copper	<b>96.1</b>	<b>25.2</b>	<b>1,920</b>	<b>6,560</b>	<b>6,090</b>	<b>2,020</b>	<b>4,070</b>	<b>3,540</b>	<b>409</b>	<b>96.5</b>	<b>195</b>	21.2	25
Iron	<b>10,700</b>	<b>14,900</b>	<b>74,600</b>	1,400	<b>146,000</b>	<b>69,800</b>	<b>117,000</b>	<b>105,000</b>	<b>19,800</b>	<b>15,800</b>	<b>20,600</b>	<b>12,200</b>	2,000
Lead	438	12.6	<b>860</b>	<b>2,840</b>	<b>4,380</b>	<b>2,160</b>	<b>1,800</b>	<b>1,830</b>	389	274	<b>536</b>	82.2	500
Magnesium	3,970	1,760	<b>8,250</b>	<b>13,200</b>	<b>11,300</b>	<b>8,430</b>	<b>9,250</b>	<b>8,040</b>	1,370	2,730	1,860	2,310	5,000
Manganese	160	343	589	1,070	894	496	826	648	200	296	209	252	5,000
Mercury	<b>0.57</b>	ND	<b>0.43</b>	<b>0.22</b>	<b>0.56</b>	<b>0.43</b>	<b>0.43</b>	<b>0.55</b>	<b>2.40</b>	<b>0.71</b>	<b>3.41</b>	<b>0.61</b>	0.1
Nickel	<b>13.3</b>	10.5	<b>47.1</b>	<b>172</b>	<b>599</b>	<b>63.0</b>	<b>33.2</b>	<b>46.6</b>	<b>31.0</b>	11.6	<b>33.9</b>	9.50	13
Potassium	1,050	860	1,820	4,990	4,350	1,860	4,100	3,220	700	1,090	903	851	43,000
Selenium	ND	ND	<b>12.0</b>	ND	ND	<b>11.2</b>	<b>7.90</b>	<b>4.44</b>	<b>3.83</b>	<b>3.86</b>	<b>8.01</b>	<b>15.0</b>	2
Silver	ND	ND	ND	ND	ND	ND	ND	ND	6.82	ND	ND	ND	SB
Sodium	1,120	339	<b>23,100</b>	<b>94,800</b>	<b>96,500</b>	<b>39,000</b>	<b>105,000</b>	<b>79,800</b>	3,400	1,140	1,630	364	8,000
Vanadium	14.4	18.7	52.3	104	106	40.3	101	73.8	19.0	19.7	25.6	15.0	150
Zinc	<b>639</b>	<b>36.2</b>	<b>8,210</b>	<b>18,100</b>	<b>19,100</b>	<b>12,200</b>	<b>20,400</b>	<b>18,400</b>	<b>978</b>	<b>329</b>	<b>783</b>	<b>37.6</b>	20
<b>Pesticides (in micrograms per kilogram)</b>													
Chlordane	357	ND	<b>1,100</b>	120	ND	ND	ND	ND	ND	ND	ND	ND	540
4,4'-DDD	179	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,900
4,4'DDE	14.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,100
4,4'DDT	61.4	ND	10.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,100
Heptachlor	ND	ND	20.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
<b>PCBs (in milligrams per kilogram)</b>													
PCB 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
PCB 1254	ND	ND	ND	ND	ND	ND	ND	ND	1.25	ND	2.11	0.04	-
PCB 1260	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
PCB, Total	0.20	ND	ND	ND	ND	ND	ND	ND	<b>1.25</b>	ND	<b>2.11</b>	0.04	1.0 surface, 10.0 subsurface

**Table 6.4.4 (continued)**  
**Soil Chemical Analytical Results – Metals, Pesticides, and PCBs**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No. Sample Depth (in feet)	MW-10		MW-11		MW-12		MW-13		MW-15		NYSDEC Recommended Soil Cleanup Objective
	0-2	12-14	0-2	10-12	0-2	10-12	0-2	10-12	0-2	10-12	
<b>Metals (in milligrams per kilogram)</b>											
Aluminum	7,610	9,570	6,780	6,200	6,820	20,400	19,400	19,300	8.040	9,140	33,000
Antimony	22.8	5.31	6.63	2.55	7.76	ND	ND	ND	2.79	9.70	SB
Arsenic	<b>51.6</b>	2.15	<b>10.1</b>	2.13	<b>10.1</b>	<b>11.0</b>	ND	ND	<b>9.04</b>	<b>9.11</b>	7.5
Barium	225	70.8	236	32.8	<b>423</b>	<b>930</b>	<b>727</b>	<b>735</b>	279	<b>404</b>	300
Cadmium	<b>11.1</b>	<b>1.75</b>	<b>10.1</b>	ND	<b>5.37</b>	ND	<b>5.1</b>	ND	<b>5.28</b>	<b>4.42</b>	1
Calcium	12,100	9,180	7,720	3,050	10,100	20,300	15,700	18,200	7,610	24,400	35,000
Chromium	<b>58.3</b>	<b>34.7</b>	<b>50.5</b>	<b>24.8</b>	<b>99.3</b>	<b>377</b>	<b>574</b>	<b>640</b>	<b>94.6</b>	<b>151</b>	10
Cobalt	<b>133</b>	6.63	28.6	9.28	<b>86.7</b>	<b>527</b>	<b>2,020</b>	<b>2,170</b>	<b>174</b>	<b>218</b>	30
Copper	<b>1,140</b>	<b>29.9</b>	<b>589</b>	<b>28.3</b>	<b>739</b>	<b>5,150</b>	<b>5,110</b>	<b>5,330</b>	<b>1,020</b>	<b>1,580</b>	25
Iron	<b>34,300</b>	<b>57,700</b>	<b>22,900</b>	<b>37,100</b>	<b>40,000</b>	<b>160,000</b>	<b>221,000</b>	<b>226,000</b>	<b>41,300</b>	<b>52,000</b>	2,000
Lead	<b>780</b>	127	445	13.9	<b>1,040</b>	<b>3,430</b>	<b>4,900</b>	<b>4,700</b>	<b>704</b>	<b>1,560</b>	500
Magnesium	2,990	2,430	2,940	1,790	2,930	<b>13,000</b>	<b>15,400</b>	<b>16,800</b>	4,450	<b>6,160</b>	5,000
Manganese	263	461	288	387	379	782	747	820	411	404	5,000
Mercury	<b>0.90</b>	ND	<b>0.54</b>	ND	<b>0.69</b>	ND	ND	ND	<b>0.79</b>	<b>1.13</b>	0.1
Nickel	<b>58.2</b>	4.20	<b>49.8</b>	8.40	<b>67.1</b>	<b>249</b>	<b>467</b>	<b>500</b>	<b>64.8</b>	<b>90.1</b>	13
Potassium	1,450	840	888	653	1,290	3,160	2,600	2,680	1,470	1,900	43,000
Selenium	<b>12.4</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	2
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	SB
Sodium	3,110	819	1,850	471	4,150	<b>34,100</b>	<b>36,400</b>	<b>36,300</b>	5,060	7,310	8,000
Vanadium	33.0	98.8	26.9	45.6	33.9	139	104	95.4	34.1	41.6	150
Zinc	<b>2,360</b>	<b>368</b>	15.7	<b>99.2</b>	<b>3,830</b>	<b>32,600</b>	<b>33,300</b>	<b>33,800</b>	<b>5,470</b>	<b>8,100</b>	20
<b>Pesticides (in micrograms per kilogram)</b>											
Chlordane	ND	ND	<b>1,000</b>	ND	ND	ND	71.7	ND	60.0	ND	540
4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,900
4,4'DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,100
4,4'DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,100
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
<b>PCBs (in milligrams per kilogram)</b>											
PCB 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
PCB 1254	0.15	ND	2.11	ND	0.07	ND	0.23	0.09	0.10	0.03	-
PCB 1260	0.12	ND	0.51	ND	0.06	ND	0.22	0.06	0.11	0.02	-
PCB, Total	0.27	ND	<b>2.62</b>	ND	0.13	ND	0.45	0.15	0.21	0.05	1.0 surface, 10.0 subsurface

**Notes:**

ND = Not Detected

J = Estimated value

SB = Site Background - = No guidance value exists

Only detected analytes are reported.

**Bold** values indicate an exceedance of the NYSDEC Recommended Soil Cleanup Objective.

majority of the contamination at the site.

### **6.5 Test Pit Sample Results**

After the completion of the test pitting, soil samples were obtained by compositing samples from the sidewalls and bases of the excavations. The results are summarized in Tables 6.5.1 and 6.5.2. The results show minor and sporadic detections of VOCs and VOC TICs. The VOCs detected are all constituents of petroleum with the exception of the detections of methylene chloride that were detected at all test pit soil sample locations. The methylene chloride was detected at concentrations in exceedance of the Objectives at all locations, however, again, it was also detected in the method blank and its existence in the soil is highly doubtful. Little or no VOC TICs detections were noted with the exception of the sample at TP-8 which showed a total TIC concentration of 3,510 ppb. The total VOC plus VOC TIC concentration was 4,223 ppb which is below the Objective for total VOCs of 10,000 ppb.

SVOCs were detected at all locations and at concentrations in exceedance of the Objectives. Also, very low concentrations of PCBs were detected in four of the five sample locations. Metals were found at concentrations above the Objectives. These metals are arsenic, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, mercury, nickel, selenium, sodium, and zinc.

Since the samples were obtained through compositing material from the sidewalls and the base of the excavations, it cannot be determined whether the trenches showed the majority of the contamination to be present in the shallow soil. However, it is reasonable to expect that the trend found throughout the site is applicable to the area of the test pitting.

### **6.6 Groundwater Sample Results**

Groundwater samples were obtained from 23 Geoprobe locations and 15 groundwater-monitoring well locations (samples were not obtained from two well locations due to the presence of floating petroleum product). The sample locations are shown in Plate 1.



**Table 6.5.1**  
**Soil Chemical Analytical Results**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	TP-4	TP-5	TP-6	TP-7	TP-8	NYSDEC Recommended Soil Cleanup Objectives
Sample Depth (in feet)	7 – 8					
<b>Volatile Organic Compounds (in micrograms per kilogram)</b>						
n-Butylbenzene	ND	ND	ND	ND	57	18,000
sec-Butylbenzene	ND	ND	ND	ND	31	25,000
Ethylbenzene	ND	ND	ND	ND	16	5,500
Isopropylbenzene	ND	ND	ND	ND	20	5,000
p-Isopropyltoluene	ND	ND	ND	ND	31	11,000
Methylene Chloride	<b>290 B</b>	<b>110 B</b>	<b>180 B</b>	<b>170 B</b>	<b>110 B</b>	100
Naphthalene	ND	ND	ND	ND	35 B	10,000
o-Xylene	ND	ND	ND	ND	24	1,200
p-&m-Xylene	ND	ND	ND	ND	42	1,200
n-Propylbenzene	ND	ND	ND	ND	28	14,000
Tetrachloroethylene	ND	ND	43	ND	ND	1,400
1,2,4-Trimethylbenzene	ND	ND	ND	ND	250	13,000
1,3,5-Trimethylbenzene	ND	ND	ND	ND	69	3,300
<b>Semi-Volatile Organic Compounds (in micrograms per kilogram)</b>						
Acenaphthene	1,500 J	ND	ND	ND	ND	50,000
Anthracene	2,000	360 J	260 J	ND	ND	50,000
Benzo(a)anthracene	<b>3,900</b>	<b>1,100 J</b>	<b>890 J</b>	<b>410</b>	<b>6,600 J</b>	224
Benzo(a)pyrene	<b>2,800</b>	<b>930 J</b>	<b>710 J</b>	<b>350 J</b>	<b>5,000 J</b>	61
Benzo(b)fluoranthene	<b>2,600</b>	960 J	770 J	580 J	<b>3,900 J</b>	1,100
Benzo(g,h,i)perylene	1,000 J	ND	ND	ND	ND	50,000
Benzo(k)fluoranthene	<b>3,100</b>	1,000 J	890 J	450 J	<b>5,400 J</b>	1,100
Bis(2-ethylhexyl)phthalate	2,200	1,500 J	3,800	8,200	<b>68,000</b>	50,000
Butyl benzyl phthalate	ND	ND	ND	ND	22,000	50,000
Chrysene	<b>3,600</b>	<b>1,000 J</b>	<b>960 J</b>	<b>630 J</b>	<b>7,500 J</b>	220
Dibenzo(a,h)anthracene	<b>430 J</b>	ND	ND	ND	ND	34
Dibenzofuran	560 J	ND	ND	ND	ND	6,200
Di-n-octylphthalate	ND	ND	ND	ND	5,700 J	50,000
Fluoranthene	7,000	1,900 J	1,700	680 J	12,000 J	50,000
Fluorene	1,100 J	ND	ND	ND	5,500 J	50,000
Indeno(1,2,3-cd)pyrene	940 J	ND	ND	ND	ND	3,200
2-Methylnaphthalene	410 J	ND	ND	ND	22,000	36,400
Naphthalene	960 J	ND	ND	ND	6,500 J	13,000
Phenanthrene	6,400	1,100 J	950 J	420 J	16,000 J	50,000
Pyrene	6,400	1,600 J	1,600	890 J	13,000 J	50,000
<b>PCBs (milligrams per kilogram)</b>						
PCB 1254	ND	ND	ND	0.06	ND	-
PCB 1260	0.08	0.10	0.07	0.10	ND	-
PCB Total	0.08	0.10	0.07	0.16	ND	10

**Table 6.5.1 (continued)**  
**Soil Chemical Analytical Results**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	TP-4	TP-5	TP-6	TP-7	TP-8	NYSDEC Recommended Soil Cleanup Objectives
Sample Depth (in feet)	7 – 8					
<b>Metals (milligrams per kilogram)</b>						
Aluminum	11,200	17,000	14,900	10,700	8,140	33,000
Antimony	16.1	20.4	16.0	31.4	ND	SB
Arsenic	ND	ND	<b>13.9</b>	<b>14.3</b>	<b>11.2</b>	7.5
Barium	<b>740</b>	<b>716</b>	<b>1,020</b>	<b>1,690</b>	<b>751</b>	300
Cadmium	<b>12.8</b>	<b>8.5</b>	<b>8.9</b>	<b>30.6</b>	<b>5.8</b>	1
Calcium	33,500	18,800	15,600	16,300	9,480	35,000
Chromium	<b>342</b>	<b>459</b>	<b>441</b>	<b>316</b>	<b>164</b>	10
Cobalt	<b>611</b>	<b>1,020</b>	<b>885</b>	<b>419</b>	<b>250</b>	30
Copper	<b>2,810</b>	<b>4,670</b>	<b>4,510</b>	<b>2,610</b>	<b>1,560</b>	25
Iron	<b>128,000</b>	<b>202,000</b>	<b>172,000</b>	<b>111,000</b>	<b>65,300</b>	2,000
Lead	<b>2,480</b>	<b>3,520</b>	<b>3,470</b>	<b>3,570</b>	<b>1,790</b>	500
Magnesium	<b>6,870</b>	<b>9,620</b>	<b>13,200</b>	<b>6,380</b>	4,060	5,000
Manganese	631	850	841	599	399	5,000
Mercury	<b>0.62</b>	<b>0.15</b>	<b>0.17</b>	<b>0.46</b>	<b>0.38</b>	0.1
Nickel	<b>262</b>	<b>443</b>	<b>518</b>	<b>320</b>	<b>123</b>	13
Potassium	1,890	2,680	2,340	1,540	888	43,000
Selenium	<b>14.7</b>	<b>17.0</b>	<b>22.7</b>	<b>14.7</b>	ND	2
Sodium	<b>16,900</b>	<b>26,500</b>	<b>27,500</b>	<b>14,100</b>	7,740	8,000
Thallium	ND	20.7	13.2	ND	ND	SB
Vanadium	81.8	103	93.9	84.0	50.4	150
Zinc	<b>20,600</b>	<b>34,200</b>	<b>35,600</b>	<b>19,700</b>	<b>11,100</b>	20

**Notes:**

- TP = Test Pit
- ND = Not Detected
- J = Concentration is estimated.
- B = Analyte was detected in blank.
- SB = Site Background
- = Not Available

Only detected analytes are reported.

**Bold** values indicate an exceedence of the New York State Department of Environmental Conservation (NYSDEC) Recommended Soil Cleanup Objectives.

**Table 6.5.2**  
**Soil Chemical Analytical Results – Volatile Organic Compounds –**  
**Tentatively Identified Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	TP-4	TP-5	TP-6	TP-7	TP-8
<b>Sample Depth (in feet)</b>	<b>7 – 8</b>				
<b>Volatile Organic Compounds (in micrograms per kilogram)</b>					
alpha-Pinene	ND	ND	ND	ND	ND
Decahydro methyl naphthalene isomer	ND	23	ND	ND	ND
Decane	ND	ND	ND	ND	ND
Dimethyl cyclohexane isomer	ND	ND	ND	ND	ND
Dimethyl undecane isomer	29	ND	ND	ND	890
Dodecane	ND	ND	ND	ND	ND
Ethyl dimethyl benzene isomer	ND	ND	ND	ND	440
Ethyl cyclohexane	ND	ND	ND	ND	ND
Methyl cyclohexane	ND	ND	ND	ND	ND
Methyl decane isomer	ND	ND	ND	ND	ND
Methyl (methylethyl) benzene isomer	ND	ND	ND	ND	280
Methyl nonane isomer	38	ND	ND	ND	300
Methyl tridecane isomer	ND	ND	ND	ND	550
Nonane	ND	ND	ND	ND	ND
Propyl heptane	ND	ND	ND	ND	ND
Tetrahydro methyl naphthalene isomers	ND	ND	ND	ND	780
Tetramethyl cyclohexane isomer	ND	ND	ND	ND	ND
Trimethyl cyclohexane isomer	ND	ND	ND	ND	ND
Undecane	ND	ND	ND	ND	ND
Unknown alkene	ND	ND	ND	ND	ND
Unknown alkyl cyclohexanes	ND	ND	ND	ND	270
Unknown cyclic aliphatic	ND	ND	ND	ND	ND

**Notes:**

Only detected analytes are reported.

ND = Not Detected

No TAGM 4046 Objectives exist for TICs.

The sample results for VOCs are summarized in Table 6.6.1. Selected analyses were performed for VOC TICs and the results are summarized in Table 6.6.2. The VOC results show that most of the groundwater at the site has experienced little of no impact related to VOCs. Where VOCs were detected, the compounds were primarily petroleum constituents. However, trace concentrations of 1,2-dichloroethylene and tetrachloroethylene were detected at three locations at the site. In addition, methylene chloride was detected at some locations, however, again, methylene chloride was also detected in the method blank when it was detected and, therefore, its existence in the site groundwater is highly doubtful.

For the VOC TICs, most samples contained little of no concentrations of VOC TICs. However, there were three locations at which the groundwater showed minor exceedances of the general organic contaminant standard of 50 ppb.

Exceedances of the NYSDEC Class GA standards were detected in five of the wells (excluding a well that contained only an exceedance for methylene chloride). However, the exceedances were generally minor. The groundwater sampling point with the highest levels of total concentrations of VOCs was GP-24, which was located in the general area of the UST. This location may be closer to the reported 4,000-gallon UST that was not found to exist on the site, however, it may exist just beyond the fence line and has contributed some contamination to the groundwater on the site. The total concentration of VOCs at GP-24 was 431 ppb. The highest concentration of any one compound was 150 ppb for 1,2,4-trimethylbenzene.

The results for the SVOCs, pesticides, and PCBs in groundwater are summarized in Table 6.6.3. There were sporadic and minor detections of several SVOCS. However, although there were occasional exceedances of the standards or NYSDEC TOGS 1.1.1 guidelines, the levels are generally very low and there is no significant contamination of the groundwater by SVOCs.

For the pesticides, again, sporadic and relatively minor concentrations of chlordane, 4,4-DDT, and dieldrin were detected in the groundwater. Chlordane exceeded the standards at two locations and dieldrin exceeded the standards at one location.

**Table 6.6.1**  
**Groundwater Chemical Analytical Results**  
**Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-8	NYSDEC Class GA Standards/ or TOGS 1.1.1 Guidelines
<b>Volatile Organic Compounds (in micrograms per liter)</b>									
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	1
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
1,2-Dichlorobenzene	ND	ND	1	ND	1	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	1	ND	ND	ND	3
1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	2 (cis-)	5*
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	1	5*
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	5*
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	50**
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	5*
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	5*
p-&m-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	5*

**Table 6.6.1 (continued)**  
**Groundwater Chemical Analytical Results**  
**Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	GP-10	GP-11	GP-12	GP-13	GP-14	GP-15	GP-16	GP-19	NYSDEC Class GA Standards/ or TOGS 1.1.1 Guidelines
<b>Volatile Organic Compounds (in micrograms per liter)</b>									
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	1
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
1,2-Dichlorobenzene	1B	ND	ND	ND	ND	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
1,2-Dichloroethylene	ND	ND	5 (cis-)	ND	ND	ND	ND	ND	5*
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	5*
Naphthalene	<b>60B</b>	ND	ND	ND	ND	ND	ND	ND	50**
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	5*
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	5*
p-&m-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	5*

**Table 6.6.1 (continued)**  
**Groundwater Chemical Analytical Results**  
**Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	GP-21	GP-22	GP-24	GP-25	GP-26	GP-28	GP-29	MW-1 1998	NYSDEC Class GA Standards/ or TOGS 1.1.1 Guidelines
<b>Volatile Organic Compounds (in micrograms per liter)</b>									
Benzene	ND	ND	<b>38</b>	ND	ND	ND	ND	ND	1
n-Butylbenzene	ND	ND	4	ND	ND	ND	ND	ND	5*
sec-Butylbenzene	ND	ND	4	ND	ND	ND	ND	ND	5*
tert-Butylbenzene	ND	ND	3	ND	ND	ND	ND	ND	5*
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	2 (cis-)	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Ethylbenzene	ND	ND	<b>11</b>	ND	ND	ND	ND	ND	5*
Isopropylbenzene	ND	ND	<b>12</b>	ND	ND	ND	ND	ND	5*
p-Isopropyltoluene	ND	ND	5	ND	ND	ND	ND	ND	5*
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	5*
Naphthalene	ND	ND	21	ND	ND	ND	ND	11B	50**
n-Propylbenzene	ND	ND	<b>12</b>	ND	ND	ND	ND	ND	5*
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Toluene	ND	ND	1	ND	ND	ND	ND	ND	5*
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	5*
1,2,4-Trimethylbenzene	ND	ND	<b>150</b>	ND	ND	ND	ND	ND	5*
1,3,5-Trimethylbenzene	ND	ND	<b>44</b>	ND	ND	ND	ND	ND	5*
o-Xylene	ND	ND	<b>34</b>	ND	ND	ND	ND	ND	5*
p-&m-Xylene	ND	ND	<b>92</b>	ND	ND	ND	ND	ND	5*

**Table 6.6.1 (continued)**  
**Groundwater Chemical Analytical Results**  
**Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	MW-2A 1998	MW-3 1998	MW-4 1998	DW-1	DW-2	MW-5	MW-6	MW-7	NYSDEC Class GA Standards/ or TOGS1.1.1 Guidelines
<b>Volatile Organic Compounds (in micrograms per liter)</b>									
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	1
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	3	5*
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	2	5*
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	4	5*
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	<b>53</b>	ND	5*
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	5*
Naphthalene	ND	ND	ND	ND	ND	ND	ND	2B	50**
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	5*
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	5	2	5*
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	3	ND	5*
o-Xylene	ND	ND	ND	ND	ND	ND	5	ND	5*
p-&m-Xylenes	ND	ND	ND	ND	ND	ND	<b>10</b>	ND	5*



**Table 6.6.1 (continued)**  
**Groundwater Chemical Analytical Results**  
**Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14D	MW-14S	NYSDEC Class GA Standards/ or TOGS 1.1.1 Guidelines
<b>Volatile Organic Compounds (in micrograms per liter)</b>									
Benzene	ND	ND	ND	ND	1	ND	ND	ND	1
sec-Butylbenzene	ND	ND	ND	ND	<b>7</b>	<b>16</b>	ND	ND	5*
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Chlorobenzene	ND	ND	ND	ND	2	2	ND	ND	5*
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Ethylbenzene	ND	ND	ND	ND	2	ND	ND	ND	5*
Isopropylbenzene	ND	ND	ND	ND	<b>9</b>	<b>13</b>	ND	ND	5*
p-Isopropyltoluene	<b>26</b>	ND	ND	ND	1	2	ND	ND	5*
Methylene Chloride	ND	ND	3B	3B	2B	2B	2B	2B	5*
Naphthalene	<b>240B</b>	ND	ND	ND	14	15B	ND	ND	50**
n-Propylbenzene	ND	ND	ND	ND	<b>11</b>	<b>14</b>	ND	ND	5*
Tetrachloroethylene	ND	ND	ND	ND	ND	2	ND	ND	5*
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	5*
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	5*
1,2,4-Trimethylbenzene	ND	ND	ND	ND	<b>17</b>	4	ND	ND	5*
1,3,5-Trimethylbenzene	ND	ND	ND	ND	3	ND	ND	ND	5*
o-Xylene	ND	ND	ND	ND	2	ND	ND	ND	5*
p-&m-Xylenes	ND	ND	ND	ND	3	ND	ND	ND	5*

- Notes:**
- = Concentration is Estimated
  - = Analyte was detected in blank
  - ) = Not Detected
  - = No guidance value exists
  - = The Principal Organic Contaminant Standard for Groundwater applies to this substance.
  - = The General Organic Contaminant Standard for Groundwater applies to this substance.

ly detected analytes are reported.

**ld** Values indicate an exceedence of the New York State Department of Environmental Conservation (NYSDEC) Class GA standard or Technical and Operational Guidance Series (TOGS) 1.1.1 Guideline.

**Table 6.6.2**  
**Groundwater Chemical Analytical Results**  
**Volatile Organic Compounds – Tentative ID Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	GP-2	GP-4	GP-6	GP-8	GP-10	GP-12	GP-14	GP-16	GP-24	GP-28	NYSDEC Groundwater Quality Standard
<b>Volatile Organic Compounds (in micrograms per liter)</b>											
alpha Pinene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Dihydro dimethyl indene isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Dimethyl dimethyl indene isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Dimethyl octane isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Dimethyl undecane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Dimethyl undecane isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Ethanol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Ethyl alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Ethyl cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Ethyl methyl benzene isomers	ND	ND	ND	ND	ND	ND	ND	ND	<b>105</b>	ND	50*
Indane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Methyl (methylethyl) benzene isomer	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	50*
Methylethyl cyclohexane isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
1-Methyl indan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Methyl propenyl benzene isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Methyl propyl benzene isomers	ND	ND	ND	ND	ND	ND	ND	ND	18	ND	50*
Methyl tertiary butyl ether	10	3	1	4	6	ND	ND	43	<b>92</b>	2	50*
Methyl tridecane isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
2-Propyl benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Tetrahydro methyl naphthalene isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Tetrahydro methyl naphthalene isomers	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Tetrahydro naphthalene isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Tetramethyl benzene isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Tetramethyl benzene isomers	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	50*
1,2,3-Trimethyl benzene	ND	ND	ND	ND	ND	ND	ND	ND	<b>100</b>	ND	50*
Trimethyl dodecane isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*

**Table 6.6.2 (continued)**  
**Groundwater Chemical Analytical Results**  
**Volatile Organic Compounds – Tentatively ID Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	DW-1	DW-2	MW-3-1998	MW-4-1998	MW-6	MW-7	MW-8	MW-9	MW-12	MW-13	NYSDEC Groundwater Quality Standard
<b>Volatile Organic Compounds (in micrograms per liter)</b>											
alpha Pinene	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	50*
Dihydro dimethyl indene isomer	ND	ND	ND	ND	ND	ND	ND	ND	23	ND	50*
Dimethyl dimethyl indene isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Dimethyl octane isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	32	50*
Dimethyl undecane	ND	ND	ND	ND	ND	ND	ND	ND	37	ND	50*
Dimethyl undecane isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	48	50*
Ethanol	ND	ND	ND	ND	ND	ND	ND	ND	ND	33	50*
Ethyl alcohol	ND	ND	ND	ND	ND	ND	ND	ND	27	32	50*
Ethyl cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50*
Ethyl methyl benzene isomers	ND	ND	ND	ND	ND	ND	ND	ND	<b>105</b>	ND	50*
Indane	ND	ND	ND	ND	ND	9	ND	ND	ND	ND	50*
Methyl (methylethyl) benzene isomer	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	50*
Methylethyl cyclohexane isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	38	50*
1-Methyl indan	ND	ND	ND	ND	ND	ND	ND	ND	23	ND	50*
Methyl-propenyl benzene isomer	ND	ND	ND	ND	ND	11	ND	ND	ND	39	50*
Methyl propyl benzene isomers	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	50*
Methyl tertiary butyl ether	ND	ND	ND	2	5	2	ND	ND	ND	2	50*
Methyl tridecane isomer	ND	ND	ND	ND	ND	ND	ND	ND	<b>67</b>	<b>76</b>	50*
2-Propyl benzene	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	50*
Tetrahydro methyl naphthalene isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	50*
Tetrahydro methyl naphthalene isomers	ND	ND	ND	ND	ND	ND	ND	ND	<b>59</b>	ND	50*
Tetrahydro naphthalene isomer	ND	ND	ND	ND	ND	8	ND	ND	39	ND	50*
Tetramethyl benzene isomer	ND	ND	ND	ND	ND	9	ND	ND	ND	32	50*
Tetramethyl benzene isomers	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	50*
1,2,3-Trimethyl benzene	ND	ND	ND	ND	8	ND	ND	ND	<b>100</b>	ND	50*
Trimethyl dodecane isomer	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	50*

**Notes:**

Only detected analytes are reported. ND = Not Detected

\* = The General Organic Contaminant Standard applies to this analyte

**Bold** values indicate an exceedance of the General Organic Contaminant Standard.

**Table 6.6.3**  
**Groundwater Chemical Analytical Results**  
**Semi-Volatile Organic Compounds, Pesticides, and PCBs**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-8	NYSDEC Class GA Standards/ or TOGS 1.1.1 Guidelines
<b>Semi-Volatile Organic Compounds (in micrograms per liter)</b>									
Acenaphthene	2J	3J	ND	ND	ND	ND	ND	8J	20
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	50
Benz(a)anthracene	<b>4J</b>	ND	ND	ND	ND	ND	ND	ND	0.002
Benzo(a)pyrene	<b>4J</b>	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	<b>3J</b>	ND	ND	ND	ND	ND	ND	ND	0.002
Benzo(g,h,i) perylene	3J	ND	ND	ND	ND	ND	ND	ND	50*
Benzo(k)fluoranthene	<b>4J</b>	ND	ND	ND	ND	ND	ND	ND	0.002
Bis(2-ethylhexyl)phthalate	<b>7J</b>	3J	ND	ND	ND	ND	ND	ND	5
Chrysene	<b>4J</b>	ND	ND	ND	ND	ND	ND	ND	0.002
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	50*
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	50
Di-n-butylphthalate	3J	ND	ND	3J	ND	ND	ND	ND	50
Fluoranthene	9J	ND	ND	ND	ND	ND	ND	3J	50
Fluorene	ND	ND	ND	ND	ND	ND	ND	4J	50
Indeno(1,2,3-cd)pyrene	<b>3J</b>	ND	ND	ND	ND	ND	ND	ND	0.002
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	50*
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	50
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	5J	50
Pyrene	12	3J	2J	ND	ND	ND	ND	3J	50
<b>Pesticides (in micrograms per liter)</b>									
Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	0.05
4,4-DDT	ND	ND	ND	ND	ND	ND	ND	ND	0.2
Dieldrin	ND	ND	ND	ND	ND	ND	ND	ND	0.004
<b>PCB (in milligrams per kilogram)</b>									
PCB 1254	ND	ND	ND	ND	ND	ND	ND	ND	-

**Table 6.6.3 (continued)**  
**Groundwater Chemical Analytical Results**  
**Semi-Volatile Organic Compounds, Pesticides, and PCBs**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	GP-10	GP-11	GP-12	GP-13	GP-14	GP-15	GP-16	GP-19	NYSDEC Class GA Standards/ or TOGS 1.1.1 Guidelines
<b>Semi-Volatile Organic Compounds (in micrograms per liter)</b>									
Acenaphthene	3J	ND	2J	ND	ND	ND	ND	ND	20
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	50
Benz(a)anthracene	ND	ND	<b>2J</b>	<b>3J</b>	ND	ND	ND	ND	0.002
Benzo(a)pyrene	ND	ND	ND	<b>2J</b>	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	<b>2J</b>	<b>2J</b>	ND	ND	ND	ND	0.002
Benzo(g,h,i) perylene	ND	ND	ND	ND	ND	ND	ND	ND	50*
Benzo(k)fluoranthene	ND	ND	<b>3J</b>	<b>3J</b>	ND	ND	ND	ND	0.002
Bis(2-ethylhexyl)phthalate	ND	3J	ND	4J	ND	ND	ND	ND	5
Chrysene	ND	ND	<b>2J</b>	<b>3J</b>	ND	ND	ND	ND	0.002
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	50*
Diethylphthalate	ND	ND	ND	3J	ND	ND	ND	ND	50
Di-n-butylphthalate	ND	ND	ND	2J	ND	ND	ND	ND	50
Fluoranthene	ND	ND	4J	7J	ND	ND	ND	2J	50
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	50
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.002
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	50*
Naphthalene	37	ND	ND	ND	ND	3J	ND	ND	50
Phenanthrene	ND	ND	2J	ND	ND	ND	ND	2J	50
Pyrene	ND	ND	6J	7J	ND	3J	ND	4J	50
<b>Pesticides (in micrograms per liter)</b>									
Chlordane	ND	ND	<b>0.51</b>	<b>0.36</b>	ND	ND	ND	ND	0.05
4,4-DDT	ND	ND	ND	ND	ND	ND	ND	ND	0.2
Dieldrin	ND	ND	ND	<b>0.10</b>	ND	ND	ND	ND	0.004
<b>PCB (in milligrams per kilogram)</b>									
PCB 1254	ND	ND	ND	0.36	ND	ND	ND	ND	-

**Table 6.6.3 (continued)**  
**Groundwater Chemical Analytical Results**  
**Semi-Volatile Organic Compounds, Pesticides, and PCBs**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	GP-21	GP-22	GP-24	GP-25	GP-26	GP-28	GP-29	NYSDEC Class GA Standards/ or TOGS 1.1.1 Guidelines
<b>Semi-Volatile Organic Compounds (in micrograms per liter)</b>								
Acenaphthene	ND	NS	ND	ND	ND	ND	ND	20
Anthracene	ND	NS	ND	ND	ND	ND	ND	50
Benz(a)anthracene	ND	NS	ND	ND	ND	ND	ND	0.002
Benzo(a)pyrene	ND	NS	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	NS	ND	ND	ND	ND	ND	0.002
Benzo(g,h,i)perylene	ND	NS	ND	ND	ND	ND	ND	50*
Benzo(k)fluoranthene	ND	NS	ND	ND	ND	ND	ND	0.002
Bis(2-ethylhexyl)phthalate	ND	NS	ND	ND	ND	ND	ND	5
Chrysene	ND	NS	ND	ND	ND	ND	ND	0.002
Dibenzofuran	ND	NS	ND	ND	ND	ND	ND	50*
Diethylphthalate	ND	NS	ND	ND	ND	ND	ND	50
Di-n-butylphthalate	ND	NS	ND	1.2J	ND	ND	ND	50
Fluoranthene	ND	NS	ND	ND	ND	1.5J	ND	50
Fluorene	ND	NS	ND	ND	ND	ND	ND	50
Indeno(1,2,3-cd)pyrene	ND	NS	ND	ND	ND	ND	ND	0.002
2-Methylnaphthalene	ND	NS	ND	ND	ND	ND	ND	50*
Naphthalene	ND	NS	15J	ND	ND	ND	1.4J	50
Phenanthrene	ND	NS	ND	ND	ND	ND	ND	50
Pyrene	ND	NS	ND	ND	ND	1.9J	ND	50
<b>Pesticides (in micrograms per liter)</b>								
Chlordane	ND	NS	ND	ND	ND	ND	ND	0.05
4,4-DDT	ND	NS	ND	ND	ND	ND	ND	0.2
Dieldrin	ND	NS	ND	ND	ND	ND	ND	0.004
<b>PCB (in milligrams per kilogram)</b>								
PCB 1254	ND	NS	ND	ND	ND	ND	ND	-

**Table 6.6.3 (continued)**  
**Groundwater Chemical Analytical Results**  
**Semi-Volatile Organic Compounds, Pesticides, and PCBs**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	MW-1 1998	MW- 2A 1998	MW-3 1998	MW-4 1998	DW-1	DW-2	NYSDEC Class GA Standards/ or TOGS 1.1.1 Guidance
<b>Semi-Volatile Organic Compounds (in micrograms per liter)</b>							
Acenaphthene	NS	ND	ND	ND	ND	ND	20
Anthracene	NS	ND	ND	ND	ND	ND	50
Benz(a)anthracene	NS	ND	ND	ND	ND	ND	0.002
Benzo(a)pyrene	NS	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	NS	ND	ND	ND	ND	ND	0.002
Benzo(g,h,i) perylene	NS	ND	ND	ND	ND	ND	50*
Benzo(k)fluoranthene	NS	ND	ND	ND	ND	ND	0.002
Bis(2-ethylhexyl)phthalate	NS	ND	ND	ND	ND	ND	5
Chrysene	NS	ND	ND	ND	ND	ND	0.002
Dibenzofuran	NS	ND	ND	ND	ND	ND	50*
Diethylphthalate	NS	ND	3J	ND	ND	ND	50
Di-n-butylphthalate	NS	ND	ND	ND	ND	ND	50
Fluoranthene	NS	ND	ND	ND	ND	ND	50
Fluorene	NS	ND	ND	ND	ND	ND	50
Indeno(1,2,3-cd)pyrene	NS	ND	ND	ND	ND	ND	0.002
2-Methylnaphthalene	NS	ND	ND	ND	ND	ND	50*
Naphthalene	NS	ND	ND	ND	ND	ND	50
Phenanthrene	NS	ND	ND	ND	ND	ND	50
Pyrene	NS	2J	ND	ND	ND	ND	50
<b>Pesticides (in micrograms per liter)</b>							
Chlordane	NS	ND	ND	ND	ND	ND	0.05
4,4-DDT	NS	ND	0.11	ND	ND	ND	0.2
Dieldrin	NS	ND	ND	ND	ND	ND	0.004
<b>PCB (in milligrams per kilogram)</b>							
PCB 1254	NS	ND	ND	ND	ND	ND	-

**Table 6.6.3 (continued)**  
**Groundwater Chemical Analytical Results**  
**Semi-Volatile Organic Compounds, Pesticides, and PCBs**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	NYSDEC Class GA Standard/ or TOGS 1.1.1 Guidelines
<b>Semi-Volatile Organic Compounds (in micrograms per liter)</b>							
Acenaphthene	ND	ND	7J	25	ND	ND	20
Anthracene	ND	ND	ND	16	ND	ND	50
Benz(a)anthracene	ND	ND	ND	10	ND	ND	0.002
Benzo(a)pyrene	ND	ND	ND	8J	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	6J	ND	ND	0.002
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	50*
Benzo(k)fluoranthene	ND	ND	ND	6J	ND	ND	0.002
Bis(2-ethylhexyl)phthalate	ND	ND	ND	ND	9J	41J	5
Chrysene	ND	ND	ND	11	ND	ND	0.002
Dibenzofuran	ND	ND	4J	8J	ND	ND	50*
Diethylphthalate	3J	ND	ND	11	ND	ND	50
Di-n-butylphthalate	3J	ND	ND	3J	ND	ND	50
Fluoranthene	ND	ND	ND	29	3J	19J	50
Fluorene	ND	ND	11J	27	ND	ND	50
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	0.002
2-Methylnaphthalene	ND	ND	15	ND	ND	ND	50*
Naphthalene	ND	ND	6J	5J	ND	ND	50
Phenanthrene	2J	ND	16J	41	3J	ND	50
Pyrene	ND	2J	5J	26	3J	19J	50
<b>Pesticides (in micrograms per liter)</b>							
Chlordane	ND	ND	ND	ND	ND	ND	0.05
4,4-DDT	ND	ND	ND	ND	ND	ND	0.2
Dieldrin	ND	ND	ND	ND	ND	ND	0.004
<b>PCB (in milligrams per kilogram)</b>							
PCB 1254	ND	ND	ND	ND	ND	ND	-



**Table 6.6.3 (continued)**  
**Groundwater Chemical Analytical Results**  
**Semi-Volatile Organic Compounds, Pesticides, and PCBs**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	MW-11	MW-12	MW-13	MW-14D	MW-14S	NYSDEC Class GA Standard/ or TOGS 1.1.1 Guidelines
<b>Semi-Volatile Organic Compounds (in micrograms per liter)</b>						
Acenaphthene	ND	ND	ND	ND	ND	20
Anthracene	ND	ND	ND	ND	ND	50
Benzo(a)anthracene	ND	ND	ND	ND	ND	0.002
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	0.002
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	50*
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	0.002
Bis(2-ethylhexyl)phthalate	ND	ND	ND	ND	ND	5
Chrysene	ND	ND	ND	ND	ND	0.002
Dibenzofuran	ND	ND	ND	ND	ND	50*
Diethylphthalate	ND	ND	ND	ND	ND	50
Di-n-butylphthalate	ND	ND	ND	ND	ND	50
Fluoranthene	ND	ND	4.4J	ND	ND	50
Fluorene	ND	11J	7.4J	ND	ND	50
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	0.002
2-Methylnaphthalene	ND	18J	4.1J	ND	ND	50*
Naphthalene	ND	ND	7.2J	ND	ND	50
Phenanthrene	ND	11J	9.1J	ND	ND	50
Pyrene	ND	ND	4.6J	ND	ND	50
<b>Pesticides (in micrograms per liter)</b>						
Chlordane	ND	ND	ND	ND	ND	0.05
4,4-DDT	ND	ND	ND	ND	ND	0.2
Dieldrin	ND	ND	ND	ND	ND	0.004
<b>PCB (in milligrams per kilogram)</b>						
PCB 1254	ND	ND	ND	ND	ND	-

**Notes:**

- = Concentration is Estimated
- ) = Not Detected
- ; = Not Sampled
- = No guidance value exists
- The General Organic Contaminant Standard applies for this substance.

Only detected analytes are reported.

**Id** Values indicate an exceedence of the New York State Department of Environmental Conservation (NYSDEC) Class GA Standard or Technical and Operational Guidance Series (TOGS) 1.1.1 Guideline.

There was one detection of PCBs from all the groundwater samples. The detection exceeded the standard. It should also be noted that there were no detections of VOCs (with the exception of methylene chloride), SVOCs, pesticides, or PCBs in the three deeper wells at the site. The deep wells are all screened from 20 to 30 feet below grade.

The results for the metals in the groundwater are presented in Table 6.6.4. The results are presented for both dissolved and total metals. For the total metals analyses, exceedances were found for antimony, arsenic, barium, cadmium, chromium, copper, iron, lead, manganese, nickel, selenium, sodium, and zinc. However, for the dissolved analyses, the metals for which exceedances of the standards were found was reduced to antimony, iron, copper, lead, magnesium, manganese, nickel, selenium, and sodium.

The metals results show that elevated concentrations are present in the geologic formation (bound to colloidal materials) as well as dissolved in the groundwater. However, it is important to note that the site exists over a former tidal wetland. Therefore, the groundwater beneath the site is very likely to be a mixture of fresh and saline waters. Saline waters are known to contain naturally high concentrations of metals. Also, since the site appears to contain saline waters, it appears that the Class GA standards may not be applicable.

In summary, although there are some exceedances of the standards for various parameters for the locations sampled, the overall impacts to the groundwater across the site are minimal. However, the exception to this is that two of the wells located in the area of the 20,000-gallon UST were not sampled due to the presence of floating petroleum product in the wells. Well MW-2 (this well was installed in 1992 during a previous investigation) contained one inch of product on March 12, 2004 and again on April 6, 2004. On April 21, 2004, MW-2 (1992) contained 2.4 inches of product during high tide and MW-15 contained 15.6 inches during the same high tide. On July 7, 2004, during low tide, MW-2 (1992) contained 1.8 inches of product and MW-15 contained 3.6 inches.

It is not clear if the tidal influence is a significant factor in determining the

**Table 6.6.4**  
**Groundwater Chemical Analytical Results – Metals**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-8	NYSDEC Class GA Standard/ or TOGS 1.1.1 Guidelines
<b>Dissolved Metals (in micrograms per liter)</b>									
Aluminum	24.4	47.2	38.1	57.6	59.3	10.8	511	75.0	-
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	3
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	25
Barium	100	338	808	168	38.4	101	65.7	256	1,000
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	5
Calcium	77,800	158,000	106,000	95,200	110,000	115,000	77,900	72,700	-
Chromium	ND	ND	ND	ND	8.5	ND	ND	ND	50
Cobalt	ND	ND	ND	ND	8.3	139	ND	6.0	-
Copper	ND	ND	ND	ND	ND	15.5	5.7	5.0	200
Iron	59.9	41.7	29.1	41.8	88.4	128	<b>527</b>	69.5	300
Lead	4.9	23.1	6.2	4.6	4.2	4.1	3.5	ND	25
Magnesium	16,900	<b>44,600</b>	<b>44,600</b>	19,700	<b>39,500</b>	21,900	<b>39,300</b>	25,300	35,000
Manganese	166	<b>2,140</b>	<b>395</b>	<b>427</b>	<b>10,700</b>	<b>656</b>	141	<b>399</b>	300
Mercury (mg/L)	<b>.0010</b>	ND	ND	ND	ND	ND	ND	ND	0.0007
Nickel	10.5	6.2	ND	6.0	ND	27.0	ND	10.3	100
Potassium	5,290	31,000	14,300	10,000	3,630	8,960	4,940	16,700	-
Selenium	ND	<b>15.4</b>	ND	ND	<b>32.1</b>	ND	ND	<b>16.5</b>	10
Silver	ND	ND	ND	ND	ND	ND	ND	ND	50
Sodium	<b>25,200</b>	<b>488,000</b>	<b>30,600</b>	<b>116,000</b>	14,800	<b>41,700</b>	<b>185,000</b>	<b>269,000</b>	20,000
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	-
Zinc	358	36.4	ND	114	52.2	1,480	ND	22.4	2,000
<b>Total Metals (in micrograms per liter)</b>									
Aluminum	3,060	32,700	65,300	10,700	80,600	16,200	60,300	22,700	-
Antimony	ND	ND	ND	ND	<b>9.8</b>	<b>12.8</b>	ND	ND	3
Arsenic	ND	1.03	20.0	ND	19.2	19.4	ND	ND	25
Barium	165	<b>1,160</b>	<b>4,650</b>	391	<b>2,510</b>	<b>1,090</b>	<b>2,970</b>	786	1,000
Beryllium	ND	ND	<b>5.3</b>	ND	<b>6.6</b>	ND	<b>6.0</b>	ND	3
Cadmium	ND	ND	<b>9.1</b>	3.8	<b>56.8</b>	<b>5.1</b>	ND	ND	5
Calcium	89,600	491,000	663,000	114,000	175,000	143,000	119,000	149,000	-
Chromium	42.7	<b>116</b>	<b>275</b>	<b>64.6</b>	<b>883</b>	<b>322</b>	<b>259</b>	<b>485</b>	50
Cobalt	7.5	43.6	94.9	26.9	1,440	1,220	150	70.4	-
Copper	107	<b>335</b>	<b>1,090</b>	<b>229</b>	<b>3,010</b>	<b>5,220</b>	<b>233</b>	<b>273</b>	200
Iron	<b>10,800</b>	<b>54,000</b>	<b>173,000</b>	<b>24,800</b>	<b>382,000</b>	<b>189,000</b>	<b>156,000</b>	<b>127,000</b>	300
Lead	<b>298</b>	<b>7,860</b>	<b>9,520</b>	<b>364</b>	<b>3,450</b>	<b>2,440</b>	<b>32.9</b>	<b>168</b>	25
Magnesium	18,200	<b>65,500</b>	<b>91,500</b>	24,000	<b>64,300</b>	26,500	<b>69,000</b>	<b>52,000</b>	35,000
Manganese	299	<b>6,230</b>	<b>4,600</b>	<b>794</b>	<b>21,100</b>	<b>1,510</b>	<b>22,800</b>	<b>3,240</b>	300
Mercury (mg/L)	<b>.0017</b>	<b>.0058</b>	ND	<b>.0021</b>	.0006	.0002	.0005	.0005	0.0007
Nickel	35.4	77.9	<b>274</b>	54.5	<b>309</b>	<b>157</b>	<b>263</b>	<b>300</b>	100
Potassium	5,710	26,500	26,000	14,100	11,200	10,700	10,800	23,300	-
Selenium	ND	<b>25.0</b>	<b>35.3</b>	ND	<b>76.9</b>	<b>30.7</b>	<b>55.0</b>	<b>27.5</b>	10
Silver	ND	ND	ND	ND	ND	ND	ND	ND	50
Sodium	<b>26,200</b>	<b>505,000</b>	<b>52,700</b>	<b>117,000</b>	<b>102,000</b>	<b>118,000</b>	<b>185,000</b>	<b>277,000</b>	20,000
Vanadium	13.3	124	306	34.6	413	50.5	157	87.2	-
Zinc	824	1,960	<b>9,590</b>	1,640	<b>43,700</b>	<b>41,000</b>	1,120	1,890	2,000

**Table 6.6.4 (continued)**  
**Groundwater Chemical Analytical Results – Metals**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	GP-10	GP-11	GP-12	GP-13	GP-14	GP15	GP-16	GP-19	NYSDEC Class GA Standard/ Or TOGS 1.1.1 Guidelines
<b>Dissolved Metals (in micrograms per liter)</b>									
Aluminum	381	45.8	128	210	82.7	42.4	61.9	44.9	-
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	3
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	25
Barium	72.8	76.7	12.7	ND	119	137	19.5	109	1,000
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	5
Calcium	15,400	91,000	364,000	548,000	80,800	168,000	321,000	120,000	-
Chromium	ND	5.2	6.4	5.8	ND	ND	6.5	ND	50
Cobalt	25.0	ND	ND	6.2	ND	7.6	ND	ND	-
Copper	6.8	5.7	16.9	8.2	20.1	114	13.4	26.9	200
Iron	239	51.0	174	110	130	27.8	35.7	247	300
Lead	ND	3.5	ND	ND	3.3	6.1	ND	5.9	25
Magnesium	10,600	<b>55,900</b>	<b>70,500</b>	<b>92,300</b>	22,300	<b>41,100</b>	<b>88,200</b>	26,300	35,000
Manganese	99.8	<b>1,890</b>	<b>383</b>	<b>2,450</b>	<b>904</b>	<b>571</b>	<b>1,920</b>	<b>763</b>	300
Mercury (mg/L)	ND	ND	ND	0.0007	ND	ND	ND	ND	0.0007
Nickel	13.4	ND	8.6	35.3	6.8	22.4	18.7	11.6	100
Potassium	17,400	8,040	20,700	12,500	15,000	16,800	11,200	15,900	-
Selenium	<b>29.0</b>	1.24	<b>12.6</b>	<b>13.4</b>	<b>222</b>	<b>18.7</b>	<b>17.9</b>	<b>11.9</b>	10
Silver	ND	ND	ND	ND	ND	ND	ND	ND	50
Sodium	<b>822,000</b>	<b>112,000</b>	<b>261,000</b>	<b>24,400</b>	<b>103,000</b>	<b>160,000</b>	<b>29,800</b>	<b>77,700</b>	20,000
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	-
Zinc	ND	ND	ND	99.9	20.9	213	ND	87.2	2,000
<b>Total Metals (in micrograms per liter)</b>									
Aluminum	74,100	9,910	50,000	78,000	41,500	43,300	22,900	2,160	-
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	3
Arsenic	ND	ND	ND	14.1	<b>114</b>	<b>96.9</b>	ND	<b>27.8</b>	25
Barium	<b>1,870</b>	929	543	739	910	821	332	215	1,000
Beryllium	<b>6.4</b>	ND	<b>3.2</b>	<b>12.3</b>	1.4	ND	ND	ND	3
Cadmium	3.5	ND	4.9	<b>29.5</b>	4.7	<b>20.0</b>	ND	ND	5
Calcium	107,000	597,000	466,000	1,390,000	115,000	282,000	43,800	124,000	-
Chromium	<b>388</b>	<b>82.5</b>	<b>184</b>	<b>695</b>	<b>175</b>	<b>317</b>	<b>209</b>	20.1	50
Cobalt	130	44.2	86.9	390	90.8	74.2	42.8	5.5	-
Copper	7.8	131	<b>599</b>	<b>2,140</b>	<b>4,940</b>	<b>3,940</b>	109	<b>246</b>	200
Iron	<b>202,000</b>	<b>19,200</b>	<b>88,100</b>	<b>92,500</b>	<b>81,700</b>	<b>101,000</b>	<b>52,700</b>	<b>14,700</b>	300
Lead	<b>224</b>	<b>494</b>	<b>844</b>	<b>6,560</b>	<b>1,310</b>	<b>1,800</b>	<b>65.9</b>	<b>263</b>	25
Magnesium	<b>45,800</b>	<b>158,000</b>	<b>86,300</b>	<b>221,000</b>	<b>38,900</b>	<b>58,900</b>	132	26,800	35,000
Manganese	<b>11,400</b>	<b>16,100</b>	<b>9,890</b>	<b>31,200</b>	<b>3,130</b>	<b>2,950</b>	<b>7,190</b>	<b>822</b>	300
Mercury (mg/L)	<b>.0011</b>	.0005	<b>.0023</b>	<b>.0085</b>	<b>.0019</b>	<b>.0020</b>	<b>.0008</b>	<b>.0008</b>	0.0007
Nickel	<b>296</b>	96.7	<b>171</b>	<b>623</b>	<b>154</b>	<b>263</b>	<b>110</b>	17.2	100
Potassium	33,300	14,900	30,700	27,900	20,100	24,800	17,900	16,500	-
Selenium	<b>43.1</b>	<b>36.1</b>	<b>36.1</b>	<b>67.4</b>	<b>284</b>	<b>33.8</b>	<b>29.1</b>	10.0	10
Silver	ND	ND	ND	ND	ND	ND	ND	ND	50
Sodium	<b>831,000</b>	<b>126,000</b>	<b>215,000</b>	<b>53,900</b>	<b>110,000</b>	<b>172,000</b>	<b>31,700</b>	<b>77,800</b>	20,000
Vanadium	296	39.3	157	114	167	210	65.1	11.3	-
Zinc	937	545	1,420	<b>11,900</b>	<b>2,190</b>	<b>3,940</b>	333	336	2,000

**Table 6.6.4 (continued)**  
**Groundwater Chemical Analytical Results – Metals**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	GP-21	GP-22	GP-24	GP-25	GP-26	GP-28	GP-29	MW-1 1998	NYSDEC Class GA Standard/ or TOGS 1.1.1 Guidelines
<b>Dissolved Metals (in micrograms per liter)</b>									
Aluminum	32.1	NS	60.0	40.6	49.6	28.9	318	NS	-
Antimony	ND	NS	ND	ND	ND	ND	ND	NS	3
Arsenic	ND	NS	ND	ND	ND	ND	ND	NS	25
Barium	109	NS	391	284	61.5	203	40.6	NS	1,000
Cadmium	ND	NS	ND	ND	ND	ND	ND	NS	5
Calcium	85,800	NS	110,000	97,600	133,000	49,100	3,370	NS	-
Chromium	ND	NS	6.2	ND	ND	ND	ND	NS	50
Cobalt	ND	NS	22.2	ND	ND	ND	18.5	NS	-
Copper	ND	NS	ND	ND	ND	ND	21.8	NS	200
Iron	ND	NS	<b>459</b>	15.4	ND	36.5	<b>730</b>	NS	300
Lead	5.8	NS	3.0	8.2	<b>40.3</b>	3.5	ND	NS	25
Magnesium	21,100	NS	<b>35,400</b>	22,800	32,300	20,900	1,780	NS	35,000
Manganese	294	NS	<b>7,650</b>	131	190	<b>599</b>	10.2	NS	300
Mercury (mg/L)	ND	NS	ND	ND	ND	ND	.0003	NS	0.0007
Nickel	7.0	NS	5.4	5.4	5.6	15.6	12.9	NS	100
Potassium	6,040	NS	17,800	11,100	11,900	10,800	11,600	NS	-
Selenium	ND	NS	<b>13.4</b>	ND	ND	ND	<b>12.4</b>	NS	10
Silver	ND	NS	ND	ND	ND	ND	ND	NS	50
Sodium	16,300	NS	<b>122,000</b>	<b>120,000</b>	<b>60,600</b>	<b>343,000</b>	<b>964,000</b>	NS	20,000
Vanadium	ND	NS	ND	ND	ND	ND	23.1	NS	-
Zinc	65.4	NS	ND	ND	54.0	ND	ND	NS	2,000
<b>Total Metals (in micrograms per liter)</b>									
Aluminum	9,180	NS	12,300	13,800	16,100	13,500	16,600	NS	-
Antimony	<b>5.0</b>	NS	<b>5.6</b>	ND	<b>9.9</b>	ND	ND	NS	3
Arsenic	23.2	NS	ND	ND	22.1	ND	16.5	NS	25
Barium	<b>1,320</b>	NS	<b>1,380</b>	<b>1,170</b>	<b>2,850</b>	545	664	NS	1,000
Beryllium	ND	NS	ND	ND	ND	ND	1.7	NS	3
Cadmium	<b>5.6</b>	NS	ND	ND	<b>6.6</b>	ND	ND	NS	5
Calcium	120,000	NS	148,000	383,000	595,000	65,100	28,400	NS	-
Chromium	<b>399</b>	NS	<b>230</b>	<b>127</b>	<b>101</b>	<b>126</b>	<b>94.9</b>	NS	50
Cobalt	22.1	NS	713	15.4	10.9	31.0	47.4	NS	-
Copper	120	NS	50.4	11.8	<b>498</b>	181	88.5	NS	200
Iron	<b>50,700</b>	NS	<b>185,000</b>	<b>41,700</b>	<b>27,000</b>	<b>32,100</b>	<b>36,300</b>	NS	300
Lead	<b>2,560</b>	NS	<b>327</b>	<b>6,480</b>	<b>41,200</b>	<b>117</b>	<b>183</b>	NS	25
Magnesium	25,900	NS	<b>43,400</b>	<b>47,900</b>	<b>51,200</b>	26,100	7,860	NS	35,000
Manganese	<b>1,030</b>	NS	<b>9,580</b>	<b>1,220</b>	<b>1,730</b>	<b>335</b>	<b>3,890</b>	NS	300
Mercury (mg/L)	<b>.0009</b>	NS	ND	<b>.0009</b>	<b>.0096</b>	.0005	.0007	NS	0.0007
Nickel	<b>191</b>	NS	81.4	61.8	42.5	<b>420</b>	63.4	NS	100
Potassium	7,370	NS	20,800	13,900	15,600	14,000	14,900	NS	-
Selenium	ND	NS	<b>23.5</b>	<b>11.4</b>	<b>12.9</b>	<b>14.3</b>	<b>15.0</b>	NS	10
Silver	ND	NS	ND	ND	ND	ND	ND	NS	50
Sodium	<b>23,000</b>	NS	<b>148,000</b>	<b>132,000</b>	<b>70,500</b>	<b>345,000</b>	<b>986,000</b>	NS	20,000
Vanadium	62.1	NS	72.5	51.7	84.2	67.0	64.9	NS	-
Zinc	<b>6,280</b>	NS	<b>18,300</b>	<b>2,820</b>	<b>4,090</b>	145	145	NS	2,000

**Table 6.6.4 (continued)**  
**Groundwater Chemical Analytical Results – Metals**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	MW-2A 1998	MW-3 1998	MW-4 1998	DW-1	DW-2	MW-5	MW-6	MW-7	NYSDEC Class GA Standard/ or TOGS 1.1.1 Guidelines
<b>Dissolved Metals (in micrograms per liter)</b>									
Aluminum	384	62.9	26.6	533	170	374	253	309	-
Antimony	ND	ND	ND	ND	ND	<b>15.0</b>	ND	ND	3
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	25
Barium	91.2	60.4	92.7	67.5	54.6	135	138	309	1,000
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	5
Calcium	37,000	107,000	146,000	67,500	122,000	76,200	94,700	136,000	-
Chromium	ND	ND	ND	ND	5.0	ND	ND	ND	50
Cobalt	ND	40.7	5.6	ND	9.7	8.1	ND	55.4	-
Copper	7.2	12.3	ND	6.4	5.3	23.1	ND	13.3	200
Iron	275	<b>316</b>	<b>525</b>	<b>367</b>	121	286	173	<b>1,030</b>	300
Lead	<b>62.8</b>	5.2	6.3	13.5	5.2	<b>54.0</b>	4.2	<b>43.8</b>	25
Magnesium	6,840	<b>40,600</b>	<b>34,000</b>	31,000	<b>56,200</b>	14,000	26,400	27,700	35,000
Manganese	264	<b>492</b>	<b>1,710</b>	<b>1,260</b>	147	<b>748</b>	287	<b>415</b>	300
Mercury (mg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.0007
Nickel	ND	ND	ND	ND	ND	6.7	ND	12.0	100
Potassium	2,430	9,040	15,300	4,690	3,760	6,660	15,300	11,700	-
Selenium	ND	ND	<b>16.9</b>	ND	<b>16.7</b>	ND	ND	<b>11.8</b>	10
Silver	ND	ND	ND	ND	ND	ND	ND	ND	50
Sodium	<b>24,700</b>	<b>75,800</b>	<b>95,900</b>	<b>110,000</b>	<b>22,600</b>	<b>69,200</b>	<b>108,000</b>	<b>78,300</b>	20,000
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	-
Zinc	24.6	205	26.5	30.4	164	76.1	ND	293	2,000
<b>Total Metals (in micrograms per liter)</b>									
Aluminum	4,120	1,030	2,750	6,620	7,070	69,700	31,900	34,500	-
Antimony	ND	ND	ND	ND	ND	<b>153</b>	ND	<b>10.9</b>	3
Arsenic	ND	ND	ND	ND	ND	<b>320</b>	ND	<b>35.5</b>	25
Barium	204	129	177	330	229	<b>3,370</b>	<b>1,420</b>	<b>1,740</b>	1,000
Beryllium	ND	ND	ND	ND	ND	1.3	1.8	ND	3
Cadmium	4.1	ND	ND	ND	ND	<b>65.0</b>	4.7	3.3	5
Calcium	39,900	109,000	149,000	86,400	125,000	1,320,000	211,000	30,000	-
Chromium	10.9	7.9	7.6	15.2	24.0	<b>243</b>	<b>142</b>	<b>329</b>	50
Cobalt	6.0	51.9	14.6	15.6	35.3	647	212	1,350	-
Copper	177	113	5.5	117	124	<b>16,300</b>	159	<b>580</b>	200
Iron	<b>6,030</b>	<b>12,400</b>	<b>24,800</b>	<b>6,680</b>	<b>13,800</b>	<b>127,000</b>	<b>120,000</b>	<b>218,000</b>	300
Lead	<b>2,160</b>	<b>114</b>	<b>69.3</b>	<b>829</b>	<b>156</b>	<b>53,000</b>	<b>215</b>	<b>5,800</b>	25
Magnesium	<b>7,680</b>	<b>41,400</b>	<b>35,700</b>	34,600	<b>58,500</b>	<b>67,500</b>	<b>43,800</b>	<b>41,000</b>	35,000
Manganese	<b>324</b>	<b>614</b>	<b>1,790</b>	<b>2,950</b>	<b>2,100</b>	<b>11,400</b>	<b>3,320</b>	<b>2,270</b>	300
Mercury (mg/L)	<b>.0024</b>	ND	<b>.0012</b>	<b>.0116</b>	ND	<b>.0093</b>	<b>.0016</b>	ND	0.0007
Nickel	17.1	5.9	14.5	24.4	19.9	<b>397</b>	87.9	<b>148</b>	100
Potassium	2,480	9,290	15,700	6,530	5,330	23,000	20,000	15,600	-
Selenium	ND	ND	<b>16.7</b>	ND	<b>17.9</b>	<b>63.6</b>	<b>28.5</b>	<b>46.6</b>	10
Silver	ND	ND	ND	ND	ND	ND	ND	ND	50
Sodium	16,000	<b>75,400</b>	<b>96,500</b>	<b>112,000</b>	<b>23,400</b>	<b>115,000</b>	<b>120,000</b>	<b>133,000</b>	20,000
Vanadium	45.3	14.4	12.0	28.9	27.7	326	154	134	-
Zinc	819	442	823	425	724	<b>21,100</b>	<b>7,340</b>	<b>36,600</b>	2,000

**Table 6.6.4 (continued)**  
**Groundwater Chemical Analytical Results – Metals**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Location No.	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14D	MW-14S	NYSDEC Class GA Standard/ or TOGS 1.1.1 Guidelines
<b>Dissolved Metals (in micrograms per liter)</b>									
Aluminum	2,750	352	57.7	152	ND	ND	14.6	91.1	-
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	3
Arsenic	10.8	ND	ND	ND	ND	ND	ND	ND	25
Barium	100	90.2	418	166	316	352	38.4	355	1,000
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	5
Calcium	32,600	206,000	209,000	106,000	155,000	128,000	92,400	108,000	-
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	50
Cobalt	ND	6.4	ND	5.2	75.1	51.7	6.7	21.8	-
Copper	19.0	5.4	17.9	12.6	35.3	22.7	ND	13.3	200
Iron	<b>1,190</b>	244	186	172	42.2	75.9	<b>398</b>	263	300
Lead	<b>55.9</b>	7.9	4.9	4.9	4.3	4.9	ND	9.7	25
Magnesium	13,400	23,700	<b>39,900</b>	25,100	19,400	33,000	<b>42,800</b>	27,500	35,000
Manganese	<b>347</b>	<b>2,740</b>	<b>579</b>	<b>506</b>	246	131	180	<b>395</b>	300
Mercury (mg/L)	.0006	ND	ND	ND	ND	ND	ND	.0007	0.0007
Nickel	ND	10.4	ND	5.0	8.9	10.0	ND	ND	100
Potassium	26,900	9,570	13,800	16,000	9,450	11,800	7,550	13,600	-
Selenium	ND	<b>47.3</b>	ND	<b>14.3</b>	ND	ND	ND	<b>10.5</b>	10
Silver	ND	ND	ND	ND	ND	ND	ND	ND	50
Sodium	<b>289,000</b>	16,400	<b>84,100</b>	<b>100,000</b>	<b>63,400</b>	<b>50,800</b>	<b>146,000</b>	<b>123,000</b>	20,000
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	-
Zinc	52.0	ND	ND	28.5	188	201	ND	213	2,000
<b>Total Metals (in micrograms per liter)</b>									
Aluminum	131,000	37,000	65,200	124,000	24,000	65,100	6,140	61,300	-
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	3
Arsenic	<b>40.1</b>	12.2	<b>49.5</b>	<b>83.2</b>	<b>32.6</b>	ND	ND	<b>70.1</b>	25
Barium	<b>5,560</b>	<b>1,010</b>	<b>1,930</b>	<b>1,640</b>	<b>2,150</b>	<b>4,520</b>	227	<b>3,710</b>	1,000
Beryllium	<b>8.0</b>	<b>4.7</b>	1.9	<b>8.4</b>	ND	ND	ND	ND	3
Cadmium	4.5	3.3	<b>13.4</b>	<b>39.4</b>	<b>6.4</b>	<b>14.5</b>	ND	<b>15.7</b>	5
Calcium	553,000	332,000	394,000	416,000	288,000	738,000	98,600	301,000	-
Chromium	<b>209</b>	<b>119</b>	<b>221</b>	<b>513</b>	<b>253</b>	<b>700</b>	<b>50.1</b>	<b>573</b>	50
Cobalt	83.7	107	129	159	1,660	2,890	144	2,480	-
Copper	ND	<b>903</b>	<b>8,600</b>	<b>4,090</b>	<b>1,740</b>	<b>334</b>	131	<b>20,600</b>	200
Iron	<b>449,000</b>	<b>86,800</b>	<b>219,000</b>	<b>501,000</b>	<b>196,000</b>	<b>485,000</b>	<b>29,300</b>	<b>368,000</b>	300
Lead	<b>5,090</b>	<b>1,480</b>	<b>2,320</b>	<b>4,530</b>	<b>4,710</b>	<b>25,400</b>	<b>526</b>	<b>11,400</b>	25
Magnesium	<b>55,200</b>	<b>44,400</b>	<b>63,300</b>	<b>68,300</b>	30,300	<b>55,700</b>	<b>46,100</b>	<b>46,900</b>	35,000
Manganese	<b>20,300</b>	<b>8,210</b>	<b>4,840</b>	<b>12,600</b>	<b>1,710</b>	<b>4,540</b>	<b>402</b>	<b>3,590</b>	300
Mercury (mg/L)	<b>.0029</b>	<b>.0030</b>	<b>.0036</b>	<b>.0015</b>	<b>.0009</b>	<b>.0008</b>	ND	<b>.0029</b>	0.0007
Nickel	<b>198</b>	<b>142</b>	<b>191</b>	<b>257</b>	<b>235</b>	<b>553</b>	41.1	<b>437</b>	100
Potassium	47,600	16,400	19,600	27,100	12,200	22,500	8,580	21,100	-
Selenium	<b>154</b>	<b>45.8</b>	<b>15.5</b>	ND	<b>14.1</b>	ND	ND	ND	10
Silver	ND	ND	ND	ND	ND	ND	ND	ND	50
Sodium	<b>344,000</b>	18,600	<b>89,700</b>	<b>114,000</b>	<b>104,000</b>	<b>137,000</b>	<b>148,000</b>	<b>181,000</b>	20,000
Vanadium	767	206	692	1,140	102	167	46.0	279	-
Zinc	<b>15,200</b>	946	<b>4,320</b>	<b>11,500</b>	<b>47,600</b>	<b>97,300</b>	<b>3,730</b>	<b>72,500</b>	2,000

**Table 6.6.4 (continued)**  
**Groundwater Chemical Analytical Results – Metals**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

**Notes:**

ND = Not Detected  
NS = Not Sampled  
- = No guidance value exists

Only detected analytes are reported.

**Bold** values indicate an exceedence of the New York State Department of Environmental Conservation (NYSDEC) Class GA Standard or Technical and Operational Guidance Series (TOGS) 1.1.1 Guidelines.



thickness of the product layer. However, it is clear that the groundwater has been impacted by floating product and the apparent source of the petroleum is the 20,000-gallon UST which was reported to have been emptied of floating product. It is not clear whether the 20,000-gallon UST is still acting as a source for the floating product since it is not known whether the UST was completely emptied and all petroleum cleaned from within the UST.

## **6.7 Maspeth Creek Surface Water Sampling Results**

Maspeth Creek is located to the west of the site and appears to be hydraulically downgradient of the site. Surface water samples were obtained to determine if the groundwater, which appears to be discharging to Maspeth Creek, has impacted the creek's water quality.

The results are summarized in Tables 6.7.1 and 6.7.2 and show that several VOCs, VOC TICs, and metals were detected. The concentrations detected were compared to the NYSDEC Class H(FC) Ambient Water Quality Standards (saline surface water standards for waters where there may be the human consumption of fish). The results show no exceedances of the standards. However, several VOCs were detected in the surface water of the creek at low concentrations. Methylene chloride was detected and it was again detected in the method blank and is not believed to exist in the surface water. The other compounds, with the exception of toluene, are not components of petroleum and, although some of these non-petroleum-related compounds were detected on site at trace levels, there is no clear evidence that the contamination at the site is impacting the waters of Maspeth Creek. Two VOC TICs were detected in the low tide sample. The total concentration of TICs in the sample was 26 ppb.

In addition, the samples were obtained at high tide and low tide. The results comparison shows no significant difference in either the suite of contaminants detected or the concentrations at which they were detected (with the exception of the minor detections of TICs that were detected only in the low tide sample).

**Table 6.7.1**  
**Surface Water Chemical Analytical Results**  
**Maspeth Creek, Maspeth, New York**

Location No.	SW-1	SW-2	NYSDEC Standard/ or TOGS 1.1.1 Guidelines
Sample Date	April 21, 2004 High Tide	July 7, 2004 Low Tide	
<b>Volatile Organic Chemicals (in micrograms per liter)</b>			
1,2-Dichloroethylene	15(cis-)	10(cis-)	-
Methyl tertiary butyl ether	ND	1	-
Methylene Chloride	3B	3B	200
Tetrachloroethylene	<b>2</b>	<b>2</b>	1
Toluene	4	ND	6,000
Trichloroethylene	15	10	40
<b>Metals (in micrograms per liter)</b>			
Aluminum	201	289	-
Barium	62.8	66.9	-
Calcium	216,000	185	-
Copper	193	26.8	-
Iron	503	726	-
Lead	14.6	12.5	-
Magnesium	419,000	365,000	-
Manganese	68.2	71.9	-
Potassium	205,000	175,000	-
Sodium	3,610,000	3,020,000	-
Zinc	89.8	86.8	-

**Notes:**

- ND = Not Detected
- 3B = Guidance value is not available

Only detected analytes are reported.

**bold** Values indicate an exceedence on the New York State Department of Environmental Conservation (NYSDEC) Standard or Technical and Operational Guidance Series (TOGS) 1.1.1 Guidelines for human consumption of fish from line waters.

**Table 6.7.2**  
**Surface Water Chemical Analytical Results**  
**Volatile Organic Compounds – Tentatively ID Compounds**  
**Maspeth Creek, Maspeth, New York**

Location No.	SW-1	SW-2	NYSDEC Standard/ or TOGS 1.1.1 Guidelines
Sample Date	April 21, 2004 High Tide	July 7, 2004 Low Tide	
<b>Volatile Organic Chemicals (<i>in micrograms per liter</i>)</b>			
Ethyl alcohol	ND	7	-
Isopropyl alcohol	ND	19	-

**Notes:**

ND = Not Detected

- = Guidance value is not available

Only detected analytes are reported.

## **6.8 Maspeth Creek Sediment Sampling Results**

The upper sediment in Maspeth Creek was sampled at three locations (SS-1 through SS-3) as shown in Plate 1. The results are summarized in Table 6.8.1 and 6.8.2. The results show that the only VOC detected was methylene chloride and, again, it was detected in the method blank and, therefore, its presence in the sediment is highly doubtful. For the VOC TICs, two compounds were detected at SS-1 at a total concentration of 691 ppb. The other two samples had lesser or no detections of TICs.

For the SVOCs, generally minor concentrations of several SVOCs were detected. The SVOCs in the sediments are generally species that are associated with petroleum and are similar to the compounds detected at the site. PCBs were detected at relatively low concentrations.

Numerous metals were detected in the sediment samples. Since the creek is located within a highly industrialized area with many potential contributors of contamination, it is unclear whether the subject site has impacted the sediments of Maspeth Creek.

Where possible, the sediment results were evaluated using the document entitled “Technical Guidance for Screening Contaminated Sediments” prepared by the NYSDEC. Based on this information several metals were found to exceed the Lowest Effect Level. With regard to PCBs, VOC, VOC TICs, and SVOCs, no screening level could be derived since no total organic carbon samples were obtained during the sampling. Also, for some of the detected compounds, no octanol/water partition coefficient values are available. Therefore, these results should be evaluated qualitatively.

## **6.9 Data Usability Summary Report**

A Data Usability Summary Report (DUSR) was prepared to evaluate the acceptability of the results. The DUSR was prepared in accordance with the NYSDEC DUSR methodologies and the USEPA Functional Guidelines for Organic and Inorganic Data Review.

The project was evaluated in terms of chains-of-custody, holding times, initial

**Table 6.8.1**  
**Sediment Chemical Analytical Results**  
**Maspeth Creek, Maspeth, New York**

Location No.	SS-1	SS-2	SS-3	NYSDEC Technical Guidance for Screening Contaminated Sediment	
<b>Volatile Organic Chemicals (in micrograms per kilogram)</b>					
Methylene Chloride	11B	8B	9B	-	
<b>Semi-Volatile Organic Compounds (in micrograms per kilogram)</b>					
Benzo(a)anthracene	500J	ND	ND	-	
Bis(2-ethylhexyl)phthalate	3,000J	4,600J	12,000J	-	
Chrysene	640J	ND	ND	-	
Fluoranthene	1,200J	4,300J	3,300J	-	
Phenanthrene	650J	3,900J	ND	-	
Pyrene	1,200J	4,200J	3,000J	-	
<b>PCB's (in milligrams per kilogram)</b>					
PCB 1254	0.16	ND	ND	-	
PCB 1260	0.20	1.64	0.50	-	
PCB Total	0.36	<b>1.64</b>	0.50	-	
<b>Metals (in milligrams per kilogram)</b>					
				<b>Lowest Effect Level</b>	<b>Severe Effect Level</b>
Aluminum	3,820	3,340	3,530	-	-
Antimony	<b>2.09</b>	ND	ND	2.00	25.0
Arsenic	<b>6.45</b>	5.18	<b>6.37</b>	6.00	33.0
Barium	78.6	146	75.6	-	-
Cadmium	<b>1.65</b>	<b>0.85</b>	<b>1.57</b>	0.60	9.00
Calcium	7,510	4,340	4,300	-	-
Chromium	<b>43.3</b>	<b>50.3</b>	<b>40.0</b>	26.0	110
Cobalt	12.7	16.8	<b>31.5</b>	-	-
Copper	<b>281</b>	<b>354</b>	<b>377</b>	16.0	110
Iron	<b>11,100</b>	<b>13,200</b>	<b>14,100</b>	2%	4%
Lead	<b>203</b>	<b>332</b>	<b>357</b>	31.0	110
Magnesium	5,030	3,080	3,400	-	-
Manganese	73.8	70.9	72.0	460	1,100
Mercury	<b>0.54</b>	<b>0.71</b>	ND	0.15	1.3
Nickel	<b>27.4</b>	<b>21.0</b>	<b>29.4</b>	16.0	50.0
Potassium	695	601	153	-	-
Selenium	1.33	1.49	ND	-	-
Silver	<b>1.94</b>	<b>8.13</b>	ND	1.00	2.20
Sodium	2,690	2,620	277	-	-
Vanadium	17.3	14.6	7.00	-	-
Zinc	<b>604</b>	<b>989</b>	77.7	120	270

**Table 6.8.1 (continued)**  
**Sediment Chemical Analytical Results**  
**Maspeth Creek, Maspeth, New York**

**Notes:**

ND = Not Detected  
J = Estimated concentration  
B = Analyte was detected in the blank.  
- = No guidance value exists

Only detected analytes are reported.

**Bold** values indicate an exceedance of the New York State Department of Environmental Conservation (NYSDEC) Technical Guidance for Screening Contaminated Sediment or the exceedance of NYSDEC Lowest Effect Level for metals.

**Shaded** values indicate an exceedance of the NYSDEC Severe Effect Level for metals.

**Table 6.8.2**  
**Sediment Chemical Analytical Results**  
**Volatile Organic Compounds – Tentatively ID Compounds**  
**Maspeth Creek, Maspeth, New York**

Location No.	SS-1	SS-2	SS-3	NYSDEC Technical Guidance for Screening Contaminated Sediment
<b>Volatile Organic Chemicals (in micrograms per kilogram)</b>				
Dimethyl disulfide	31	ND	ND	-
Dimethyl sulfide	660	ND	120	-

**Notes:**

ND = Not Detected  
 - = No guidance value exists  
 Only detected analytes are reported.

calibration, method blanks, laboratory control samples, surrogate recoveries (where applicable), matrix spike/matrix spike duplicate data, and internal standards (where applicable).

The DUSR report is included in its entirety in Appendix B. The results of the DUSR showed that all data was found to be acceptable, however, the fact that methylene chloride has been detected in the method blank for every sample group in which it was detected, indicates that its presence at the site is unlikely and its detection is due to laboratory contamination.

### **6.10 QA/QC Sample Results**

The Quality Assurance/Quality Control sample analyses are presented in this subsection. The results for the trip blanks and equipment blanks are presented in Table 6.10.1.

The results for the trip blanks show that the only VOC detected was trace concentrations of methylene chloride. It has been established that methylene chloride appears to be a laboratory contaminant and no methylene chloride is believed to be present in any of the primary samples. For the equipment blanks, again, methylene chloride was detected in some samples at trace concentrations in addition to other trace, sporadic detections of three other VOCs. Minor concentrations of metals, primarily iron, were detected in the equipment blanks. However, the concentrations are sufficiently low that cross-contamination is not a significant concern.

The results for the soil blind duplicate samples are presented in Table 6.10.2 and Table 6.10.3. The duplicated shallow soil samples contain an “A” following the sample number and the deeper samples contain a “B” following the sample number. The results show similar results when the primary samples and the duplicates are compared. The groundwater duplicate samples are shown in Tables 6.10.4 and 6.10.5. The groundwater results also show similar results when the primary samples are compared to the duplicates.

Therefore, the QA/QC samples have attested to the validity of the primary samples.



**Table 6.10.1**  
**Soil and Groundwater Sample Trip Blanks and Equipment Blanks**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Sample ID	TB	TB	TB	TB	TB	TB	TB	TB	TB
Date	11/19	11/20	12/4	2/11	2/12	3/17	4/6	4/21	7/7
<b>Volatile Organic Compounds (in micrograms per liter)</b>									
Methylene Chloride	1	ND	1	ND	ND	3	5	2	3

Sample ID	EBW	EBS	EBW	EBS	EBW	EBS	EBW	EBW	EBW	EBW	EBW	EBW
Date	11/19	11/19	11/20	11/20	12/4	2/11	2/11	2/12	3/17	4/6	4/21	7/7
<b>Volatile Organic Compounds (in micrograms per liter)</b>												
1,2-Dichlorobenzene	ND	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	4B	5B	1B	3B
Naphthalene	2B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Metals (in micrograms per liter)</b>												
Aluminum	15.7	ND	14.1	26.9	ND	7.9	16.9	ND	ND	ND	ND	21.1
Calcium	284	43.0	358	79.6	ND	ND	26.0	ND	ND	32.0	ND	26.5
Chromium	ND	ND	14.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36.4	ND
Iron	233	10.4	1,810	158	9.8	11.3	21.8	ND	7.9	ND	13.6	ND
Lead	ND	ND	ND	ND	ND	ND	ND	8.7	ND	ND	ND	ND
Magnesium	46.6	ND	23.8	28.1	ND	ND	13.0	ND	ND	ND	ND	ND
Manganese	ND	ND	13.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	102	ND	210	ND	157	ND	ND	111	ND	277	ND	881
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.00	ND	ND
Zinc	ND	ND	ND	21.2	ND	ND	ND	ND	ND	77.7	24.6	ND

**Notes:**

Only detected analytes are reported.

ND = Not Detected

B = Analyte was detected in trip blank

**Table 6.10.2**  
**Soil Sample Blind Duplicates – Volatile Organic Compounds and Semi-Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Sample ID	SB-7C (SB-7A)	SB-15C (SB-15B)	SB-19C (SB-19B)	SB-32A (SB-31A)	SB-32B (SB-31B)	BD-3/17 (MW-12)
<b>Volatile Organic Compounds (in micrograms per liter/kilogram)</b>						
1,2-Dichloroethylene, Total	ND	ND	ND	ND	38(cis-)	ND
p-Isopropyltoluene	ND	8	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	69B	420B
Naphthalene	ND	7	ND	ND	ND	7B
Tetrachloroethylene	ND	ND	ND	ND	22	ND
Trichloroethylene	ND	ND	ND	ND	23	ND
<b>Semi-Volatile Organic Compounds (in micrograms per kilogram)</b>						
Acenaphthene	240J	ND	ND	990J	ND	490J
Acenaphthylene	ND	ND	ND	1,800J	ND	ND
Anthracene	590J	64J	440J	3,600	ND	1,500J
Benzo(a)anthracene	2,300	99J	730J	7,300	180J	2,700
Benzo(a)pyrene	2,100	80J	600J	5,100	190J	1,900
Benzo(b)fluoranthene	2,500	52J	520J	4,500	120J	2,000
Benzo(g, h, I)perylene	380J	50J	ND	760J	110J	ND
Benzo(k)fluoranthene	1,800	68J	640J	5,900	140J	2,400
Bis(2-ethylhexyl)phthalate	ND	ND	ND	10,000	ND	4,900
Butyl benzyl phthalate	ND	ND	ND	12,000	ND	ND
Chrysene	2,100	100J	800J	7,000	210J	2,500
Dibenzo(a,h)anthracene	240J	ND	ND	590J	ND	ND
Dibenzofuran	ND	ND	ND	1,600J	ND	ND
Di-n-butylphthalate	ND	ND	ND	1,000J	ND	ND
Di-n-octylphthalate	ND	ND	ND	1,700J	ND	ND
Fluoranthene	3,700	270J	1,800	12,000	250J	4,900
Fluorene	220J	ND	ND	3,200J	ND	700J
Indeno(1,2,3-cd)pyrene	570J	ND	ND	1,200J	95J	ND
2-Methhlynaphthalene	ND	ND	ND	1,100J	ND	280J
Naphthalene	ND	ND	ND	1,500J	ND	270J
Phenanthrene	2,400	210J	1,600J	14,000	150J	4,600
Pyrene	3,300	250J	1,700	9,800	290J	4,600

**Notes:**

Only detected analytes are reported. ND = Not Detected J = Concentration is estimated  
 (SB-7A) = Sample headings in parenthesis indicate duplicated samples

**Table 6.10.3**  
**Soil Sample Blind Duplicates – Pesticides, PCBs, and Metals**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Sample ID	SB-7C (SB-7A)	SB-15C (SB-15B)	SB-19C (SB-19B)	SB-32A (SB-31A)	SB-32B (SB-31B)	BD-3/17 (MW-12)
<b>Pesticides (in micrograms per kilogram)</b>						
4,4'-DDT	108	ND	ND	ND	ND	ND
Chlordane	509	ND	ND	343	ND	ND
<b>PCBs (in milligrams per kilogram)</b>						
PCB 1254	0.59	ND	ND	ND	ND	0.10
PCB 1260	0.49	ND	ND	0.20	ND	0.08
PCB, Total	1.08	ND	ND	0.20	ND	0.18
<b>Total Metals (in milligrams per kilogram)</b>						
Aluminum	7,100	4,390	5,490	6,460	3,420	6,700
Antimony	9.12	ND	ND	1.70	ND	4.41
Arsenic	9.91	1.03	12.0	6.53	1.66	10.3
Barium	218	31.5	198	284	50.0	285
Cadmium	10.2	ND	ND	0.71	ND	3.41
Calcium	9,530	2841,370	9,800	35,000	5,400	8,430
Chromium	90.1	11.3	17.0	15.1	8.84	65.3
Cobalt	88.0	6.28	6.84	4.21	4.56	18.1
Copper	948	18.4	118	5,040	19.0	260
Iron	36,800	19,600	19,000	10,600	11,000	22,600
Lead	767	5.65	794	1,890	5.44	893
Magnesium	3,550	2,030	1,940	3,310	3,170	2,140
Manganese	275	495	581	177	322	321
Mercury	3.09	ND	2.54	0.26	ND	0.52
Nickel	54.4	8.23	9.60	13.0	11.9	28.5
Potassium	809	744	820	1,540	853	1,250
Selenium	7.09	4.54	5.39	ND	ND	ND
Sodium	11,100	305	1,510	990	968	1,210
Vanadium	25.2	20.0	20.2	17.7	15.2	26.1
Zinc	4,750	43.1	453	519	30.3	950

**Notes:**

Only detected analytes are reported.

ND = Not detected      J = Concentration is estimated  
 (SB-7A) = Sample headings in parenthesis indicate duplicated samples

**Table 6.10.4**  
**Groundwater Sample Blind Duplicates – Volatile Organic Compounds and Semi-Volatile Organic Compounds**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Sample ID	GP-19C (GP-19)	MW-15 (MW-8 12/4)	MW-10B (MW-10)
<b>Volatile Organic Compounds (in micrograms per liter)</b>			
1,2-Dichloroethylene, Total	ND	ND	ND
p-Isopropyltoluene	ND	ND	ND
Methylene Chloride	ND	ND	3B
Naphthalene	ND	ND	ND
Tetrachloroethylene	ND	ND	ND
Trichloroethylene	ND	ND	ND
<b>Semi-Volatile Organic Compounds (in micrograms per liter)</b>			
Acenaphthene	ND	2J	ND
Anthracene	ND	3J	ND
Benzo(a)anthracene	ND	7J	ND
Benzo(a)pyrene	ND	6J	ND
Benzo(b)fluoranthene	ND	4J	ND
Benzo(g, h, I)perylene	ND	3J	ND
Benzo(k)fluoranthene	ND	6J	ND
Bis(2-ethylhexyl)phthalate	ND	ND	ND
Chrysene	ND	7J	ND
Dibenzo(a,h)anthracene	ND	ND	ND
Fluoranthene	3J	15	ND
Fluorene	ND	2J	ND
Indeno(1,2,3-cd)pyrene	ND	3J	ND
2-Methylnaphthalene	ND	ND	ND
Naphthalene	ND	ND	ND
Phenanthrene	3J	12	ND
Pyrene	3J	13	ND

**Notes:**

Only detected analytes are reported.

ND = Not Detected

J = Concentration is estimated

(GP-19) = Sample headings in parenthesis indicate duplicated samples

**Table 6.10.5**  
**Groundwater Sample Blind Duplicates - Metals**  
**57-15 49<sup>th</sup> Street, Maspeth, New York**

Sample ID	GP-19C (GP-19)	MW-15 (MW-8 12/4)	MW-10B (MW-10)
<b>Dissolved Metals, (in micrograms per liter)</b>			
Aluminum	27.5	352	29.8
Antimony	ND	16.7	ND
Arsenic	ND	ND	ND
Barium	108	139	396
Cadmium	ND	ND	ND
Calcium	121,000	77,000	208,000
Chromium	ND	ND	ND
Cobalt	ND	7.3	ND
Copper	25.7	20.1	45.9
Iron	255	253	616
Lead	5.6	49.3	4.4
Magnesium	26,300	14,200	39,600
Manganese	763	758	534
Mercury (mg/L)	ND	ND	0.0003
Nickel	10.6	5.2	ND
Potassium	15,900	6,750	13,800
Selenium	12.8	ND	ND
Sodium	77,900	71,800	82,900
Vanadium	ND	ND	ND
Zinc	81.7	67.4	ND
<b>Total Metals (in micrograms per liter)</b>			
Aluminum	1,860	49,900	32,000
Antimony	ND	70.0	ND
Arsenic	20.6	127	34.1
Barium	198	2,520	1,210
Beryllium	ND	2.7	ND
Cadmium	ND	40.5	7.5
Calcium	126,000	758,000	301,000
Chromium	51.8	139	104
Cobalt	6.7	426	61.4
Copper	200	11,800	5,910
Iron	19,200	95,900	98,800
Lead	215	38,400	1,280
Magnesium	27,300	58,000	50,700
Manganese	867	7,170	2,410
Mercury (mg/L)	0.0008	0.0092	0.0029
Nickel	37.1	299	96.5
Potassium	16,400	16,200	16,900
Selenium	11.1	33.3	15.2
Sodium	80,500	105,000	85,600
Vanadium	ND	211	293
Zinc	502	15,200	2,280

**Notes:**

Only detected analytes are reported.

ND = Not Detected      J = Concentration is estimated  
 (GP-19) = Sample headings in parenthesis indicate duplicated sample

## Section 7.0

### Conclusions and Recommendations

#### 7.1 Conclusions

The investigation performed for the site included obtaining numerous soil vapor, soil, groundwater, sediment, and surface water samples.

The geological, historical, and chemical analytical information has provided evidence related to the contamination of the site. Based on historical and geological information obtained, the site appears to have previously existed as a tidal wetland that was associated with Maspeth Creek. Subsequently, the site wetland was apparently filled with primarily sandy materials (although some brick, concrete, and other fill materials have been noted at the site) in some areas and material that was black and granular (possibly carbonaceous) in other areas. The thickness of the fill material was approximately five to ten feet, however, in areas the thickness was several feet greater or lesser. The areal extent of the fill appears to encompass the entire site (although distinguishing fill material from native soil in some areas was difficult).

The fill material used at the site appears to have been contaminated. The fill was very likely to have been contaminated prior to being transported to the site. It is possible that the previous businesses that operated at the site may have contributed to the contamination, however, the ubiquitous distribution of contamination across the site is not consistent with the type of contamination usually associated with the operation of a business, that is, contamination associated with business operations typically contain one or more discrete areas where contamination has been discharged to the subsurface as opposed to the relatively even distribution of contamination that exists across the site. Therefore, the major source of contamination at the site is the fill material.

The primary class of contaminants found in the fill material is SVOCs that are associated with petroleum. Due to paucity of detections of the lighter and more volatile VOCs and VOC TICs, it appears that the petroleum has existed in the fill for long periods of time (probably many decades). Due to the high concentrations of SVOCs, the

petroleum is likely to have been a heavier petroleum product such as No. 2, 4, or 6 fuel oil, or waste oil (which typically contains high levels of metals), or a combination of several heavier oils.

The detections of SVOCs were, in general, significantly higher in the shallow soil samples (generally within five feet of the ground surface) when compared to the deeper samples (beyond five feet below the ground surface). This indicates that there has been minimal vertical migration of the SVOCs towards the deeper soil or to the groundwater. It is also important to note that SVOCs were detected at levels above the Objectives throughout the entire site.

Metals were also detected in the soil at high concentrations. Metals detected in the soil at concentrations in exceedance of the Objectives include arsenic, barium, cadmium, calcium, chromium, cobalt, iron, lead, magnesium, mercury, nickel, selenium, sodium, and zinc. These metal detections were found throughout the entire site. In addition, pesticides and PCBs were detected infrequently, sporadically, and generally at low concentrations although some minor exceedances of the Objectives for these compounds were noted. For the detections of metals, PCBs, and pesticides, the highest detections were found in the shallow soil and the deeper soil contained significantly lower concentrations of these parameters.

The results of the soil gas sampling showed minor concentrations of VOCs and VOC TICs at the site.

The elevation of the wells at the site were surveyed and groundwater flow direction maps were prepared for high and low tide conditions (in the event that the groundwater is tidally influenced). The results showed results consistent with the regional flow direction as well as site-specific directions determined by previous investigations. The groundwater flow direction is generally to the southwest and is very likely to discharge to Maspeth Creek.

The groundwater sample results confirm the lack of significant vertical migration of petroleum constituents. Detections of VOCs, VOC TICs, SVOCs, pesticides, and

PCBs were generally minor and sporadic (although there were some exceedances of the NYSDEC Class GA standards). The deeper groundwater contained no detections of these parameters.

The concentrations of metals in the groundwater were relatively high for many metals. For the dissolved metals analyses, exceedances of the standards were found for antimony, iron, manganese, nickel, selenium, and sodium. For the total metals analyses, exceedances were found for the same species as the dissolved metals and also included arsenic, barium, cadmium, chromium, and zinc. However, although it is likely that the site fill has contributed to the contamination of the groundwater, it is not clear whether the site fill is responsible for the majority of the metals in the groundwater. This is due to the evidence of limited vertical migration of metals in the soil column and, more importantly, since the site appears to exist in a filled tidal wetland, the saline waters that infiltrated the wetlands would contain significantly higher concentrations of naturally-occurring metals. Also, metals that may have been discharged to the creek prior to the time that the site was filled, may have also impacted the groundwater in the area beneath the site through former tidal movement of water into the site area. Also, due to the proximity of saline waters, it is unclear whether the groundwater should be considered to be Class GA waters and, therefore, whether the exceedances are justified.

For the Maspeth Creek surface water sampling, no exceedances of the NYSDEC Class H(FC) standards were noted. However, minor concentrations of VOCs or VOC TICs were detected at high and/or low tides but the VOCs detected are not associated with petroleum and appear to be related to activities from other sites. For the sediments in the creek, there were generally minor detections of VOC TICs, SVOCs, and PCBs. Numerous metals were detected in the sediments at concentrations above the Objectives, however, again, the saline tidal waters are likely to be responsible for at least a portion of the elevated concentrations of metals.

The results of this investigation show that Maspeth Creek is not significantly impacted by contamination and, also, there is no clear evidence that the contamination emanating from the site has impacted the sediments or surface waters of Maspeth Creek.



The test pitting investigation showed the presence of one UST that is reported to be 20,000 gallons in size. The UST is partially on site and partially off site (at least based on the location of the fenceline). A second tank, which was reported to possibly exist on site was found to either no longer exist or exists beyond the fenceline.

The post-trenching soil samples showed concentrations of contaminants that were similar to those in other areas of the site. However, it appears highly likely that the 20,000-gallon UST has leaked since two groundwater-monitoring wells in the vicinity of the UST could not be sampled due to the presence of floating petroleum product on the water table. This floating product was first discovered during previous investigations in the 1990s. This contamination represents the area of highest environmental concern at the site.

In summary, the investigation showed that the entire site contains shallow fill material that contains, primarily, elevated levels of petroleum-related SVOCs and metals. The deeper soil and groundwater do not show significant impacts. Also, there is no apparent evidence that the fill material has impacted the groundwater entering Maspeth Creek. The area of highest concern is related to the 20,000-gallon UST that has apparently resulted in the creation of a layer of floating product on the water table in the area of the UST.

## **7.2 Recommendations**

Based on the conclusions presented in the previous subsection, Enviroscience Consultants offers recommendations to address the contamination issues at the site. A forthcoming Remedial Alternatives Report will be prepared that will discuss the recommendations in greater detail. The recommendations, in summary, are as follows:

1. The 20,000-gallon UST at the site should be removed in accordance with all applicable regulations and requirements. The UST should be emptied (it is reported to be empty, however, this has not been confirmed), cleaned, rendered unfit for future use, and properly disposed. Any contaminated

soil should be removed from the excavation, stockpiled, and subsequently removed from the site. Post-excavation sampling should be performed following the soil removal and the excavation can then be backfilled with clean fill. Since this UST represents an on-going potential source area of contamination and its remediation is straightforward and can be completed within two days of field work, this UST should be removed as soon as possible as part of an Interim Remedial Measure (IRM).

2. The floating product on the water table should be addressed. The methods evaluated to achieve this removal should include hydrophobic bailers, enhanced vacuum recovery, and product-only skimmer pumping. However, as part of the IRM for the site, it is recommended that hydrophobic bailers be placed in the impacted wells to commence the removal of product from the water table as soon as possible.
  
3. The contaminated fill area extends, apparently, throughout the site and it does not appear practical to remove all fill from the site (however, this will be evaluated more completely in the Remedial Alternatives Report). It appears that the most appropriate steps to take would be to remove the soil from one “hotspot” area in the vicinity of borings SB-21 and SB-5. Since the site will be used for non-residential purposes, and since there is no evidence that that fill is contributing to a significant groundwater problem, it is suggested that a layer of clean topsoil be placed on the fill material to segregate it from any reasonable human contact with the impacted fill. Prior to any construction or other activities that would require excavation, a health and safety plan should be prepared and observed to minimize exposure to the impacted soil. A trained health and safety officer should be present at the site during any excavation activities. Finally, although the soil vapors detected during this investigation were minor, it is

recommended that any future buildings at the site be constructed without basements or other subsurface structures in which VOC vapors may accumulate. Also, vapor barriers should be installed beneath any structures.

4. Two 55-gallon drums were noted at the site that are apparently related to a previous investigation. The contents of these drums should be sampled and the drums should be properly disposed.
5. The existing groundwater-monitoring wells should be monitored on a quarterly basis to evaluate the trends in concentrations in the groundwater. In addition, chloride should be added to the list of analytical parameters to determine whether the groundwater beneath the site should be continued to be compared to Class GA standards.
6. A stream sediment study should be considered to determine if the impacts to the sediments downgradient of the site are attributable to activities at the site (this can be achieved by obtaining upstream and downstream sediment samples). Also, the samples should be analyzed for total organic carbon content so that the soil sediment screening criteria can be evaluated for all parameters.

Appendix A  
Soil Boring Logs

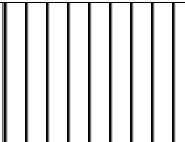
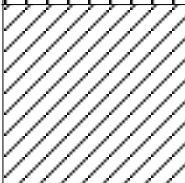
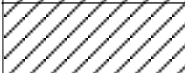

Enviroscience Consultants, Inc.

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 10'-12'. PID readings were not collected due to rain.
<b>Boring No.</b>	1	<b>Total Depth:</b>	14 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-0-				0'-5' SM. Brown, dry, coarse-to-fine-grained silty sand with gravel and brick fill. No odor or staining noted.
-2-				5'-10' SM. Brown, moist, medium-to-fine-grained silty sand with clay, brick, and black granular fill. No odor or staining noted.
-4-				10'-15' SM. Brown, moist, coarse-to-fine-grained silty sand with trace gravel and clay. No odor or staining noted.
-6-				
-8-				
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
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-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 12'-14'. PID readings were not collected due to rain.
<b>Boring No.</b>	2	<b>Total Depth:</b>	14 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-0-				0'-5' SM. Brown to black, dry, coarse-to-fine-grained silty sand, and trace gravel. No odor or staining noted.
-2-				
-4-				5'-10' SC. Brown, moist, coarse-to-fine-grained silty sand and clay. Slight staining noted. No odor noted.
-6-				
-8-				10'-12' SC. Brown, moist, coarse-to-fine-grained sand, clay, and brick fill. No odor or staining noted.
-10-				
-12-				12'-14' CL. Black to gray, moist clay. No odor or staining noted.
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
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**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

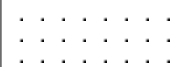
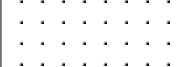
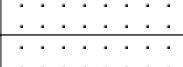
<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 3'-5' and 15'-17'. PID readings were not collected due to rain.
<b>Boring No.</b>	3	<b>Total Depth:</b>	17 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-				0'-2' SM. Concrete fill and dry, silty sand with trace gravel. No odor or staining noted.
-2-				2'-3' Black granular fill. No odor or staining noted.
-4-				3'-8' SW. Tan, moist, coarse-to-fine-grained sand and clay with trace gravel. Odor noted. No staining noted.
-6-				8'-12' CL. Gray, moist, clay and tan sand. No odor or staining noted.
-8-				12'-17' CL. Gray clay and brick fill. Odor noted. No staining noted.
-10-				
-12-				
-14-				
-16-				
-18-				
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-22-				
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**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**


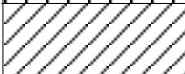

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 10'-12'. PID readings were not collected due to rain.
<b>Boring No.</b>	4	<b>Total Depth:</b>	12 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-0-				0'-2' SW. Gray, moist, coarse-to-fine-grained sand and trace gravel. No odor or staining noted.
-2-			<b>Fill</b>	2'-5' Black, dry, granular fill. No odor or staining noted.
-4-				5'-10' SW. Light brown, moist, coarse-to-fine-grained sand and gravel. No odor or staining noted.
-6-				10'-12' SW. Gray to black, wet, coarse-to-fine-grained sand and gravel. Slight odor noted. No staining noted.
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-10-				
-12-				
-14-				
-16-				
-18-				
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**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**



<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 11'-13'. PID readings were not collected due to rain.
<b>Boring No.</b>	5	<b>Total Depth:</b>	15 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-0-				0'-3' SM, Black, dry, granular fill, and brown silty sand with trace gravel and brick fill. No odor or staining noted
-2-				3'-5' SC, Tan, moist, coarse-to-fine grained sand and clay, with trace black granular fill. No odor or staining noted.
-4-				5'-10' CL, Brown, moist, silty clay with trace sand. No odor or staining noted.
-6-				10'-15' CL, Black, wet, clay with gravel. Organic odor noted. No staining noted.
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**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 10'-14'. PID readings were not collected due to rain.
<b>Boring No.</b>	6	<b>Total Depth:</b>	14 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-			.....	0'-4' SW. Light brown, dry, coarse-to-fine-grained sand and gravel. No odor or staining noted.
-2-			.....	4'-8' GW. Black, dry, granular fill material and gravel. No odor or staining noted.
-4-			.....	8'-14' Black, moist, granular fill material. No odor or staining noted.
-6-			.....	
-8-				
-10-			<b>Fill</b>	
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**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

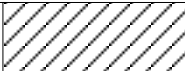


<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 10'-12'. PID readings were not collected due to rain. A duplicate sample was collected at 0'-2'.
<b>Boring No.</b>	7	<b>Total Depth:</b>	12 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-			.....	0'-4' SW. Gray to black, dry, coarse-to-fine-grained sand and fill material. No odor or staining noted.
-2-			.....	4'-8' SW. Light brown, dry, coarse-to-fine-grained sand and gravel. No odor or staining noted.
-4-			.....	8'-12' SW. Light brown, moist, coarse-to-fine-grained silty sand. No odor or staining noted.
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-8-			.....	
-10-			.....	
-12-			.....	
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**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 13'-15'. PID readings were not collected due to rain.
<b>Boring No.</b>	8	<b>Total Depth:</b>	15 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-0-				0'-2' SC. Brown, moist, coarse-to-fine-grained silty sand and clay. No odor or staining noted.
-2-				2'-10' CL. White to brown, dry, silty clay with trace sand and brick fill. No odor or staining noted.
-4-				10'-15' CL. Brown, wet, silty clay with trace sand. No odor or staining noted.
-6-				
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-10-				
-12-				
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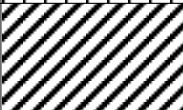






















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BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 13'-15'. PID readings were not collected due to rain.
<b>Boring No.</b>	9	<b>Total Depth:</b>	15 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-0-				0'-2' SM. Black, moist, coarse-to-fine-grained silty sand. No odor or staining noted.
-2-				2'-5' SC. Black to tan, moist, coarse-to-fine-grained sand and clay. No odor or staining noted.
-4-				5'-10' SM. Tan, moist, coarse-to-fine-grained silty sand. No odor or staining noted.
-6-				10'-15' SM. Brown to black, wet, coarse-to-fine-grained silty sand. No odor or staining noted.
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-10-				
-12-				
-14-				
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-20-				
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**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 19'-20'. PID readings were not collected due to rain.
<b>Boring No.</b>	10	<b>Total Depth:</b>	20 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-0-				0'-2' SM. Brown, dry, coarse-to-fine-grained silty sand and brick fill. No odor or staining noted.
-2-				2'-5' CL. Brown, moist, sandy clay. No odor or staining noted.
-4-				5'-15' SM. Tan, moist, coarse-to-fine-grained silty sand. No odor or staining noted.
-6-				15'-20' SM. Tan to gray, wet, coarse-to-fine-grained silty sand. No odor or staining noted.
-8-				
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
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-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 12'-14'. PID readings were not collected due to rain.
<b>Boring No.</b>	11	<b>Total Depth:</b>	15 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-0-				0'-5' SM, Brown to black, dry, coarse-to-fine grained silty sand, and trace soda ash. No odor or staining noted.
-2-				5'-10' SM, Brown, moist, coarse-to-fine grained silty sand, trace soda ash and brick fill. No odor or staining noted.
-4-				10'-15' SM, Brown, wet, coarse-to-fine grained silty sand. Organic odor noted. No staining noted.
-6-				
-8-				
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
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-28-				
-30-				
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-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 3'-5' and 12'-14'. PID readings were not collected due to rain.
<b>Boring No.</b>	12	<b>Total Depth:</b>	14 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/20/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-			.....	0'-14' SW. Light brown, wet, coarse-to-fine-grained sand. Material was wet throughout due to rain. No odor or staining noted.
-2-			.....	
-4-			.....	
-6-			.....	
-8-			.....	
-10-			.....	
-12-			.....	
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
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-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**



<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 2'-4' and 10'-12'. PID readings were not collected due to rain.
<b>Boring No.</b>	13	<b>Total Depth:</b>	12 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/20/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-0-			.....	0'-4' SW. Gray to light brown, wet, coarse-to-fine-grained sand and gravel. No odor or staining noted.
-2-			.....	4'-6' SW. Dark brown, moist, coarse-to-fine-grained sand and brick fill. No odor or staining noted.
-4-			.....	6'-8' SW. Light brown, moist, coarse-to-fine-grained sand. No odor or staining noted.
-6-			.....	8'-12' SW. Light brown, moist, coarse-to-fine-grained sand and gravel. No odor or staining noted.
-8-			.....	
-10-			.....	
-12-			.....	
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
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-28-				
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-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 11'-13'. PID readings were not collected due to rain.
<b>Boring No.</b>	14	<b>Total Depth:</b>	15 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/20/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-0-				0'-10' SM. Brown to black, moist, coarse-to-fine-grained silty sand and trace clay. Organic odor noted. No staining noted.
-2-				
-4-				10'-15' SM. Brown to black, wet, coarse-to-fine-grained silty sand and brick fill. Organic odor noted. No staining noted.
-6-				
-8-				
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
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-36-				
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-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 11'-13'. PID readings were not collected due to rain. A duplicate sample was collected at 11'-13'.
<b>Boring No.</b>	15	<b>Total Depth:</b>	15 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/20/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-				0'-15' SM. Brown, wet, coarse-to-fine-grained silty sand and trace brick fill. Organic odor noted. No staining noted.
-2-				
-4-				
-6-				
-8-				
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
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-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 11'-13'. PID readings were not collected due to rain.
<b>Boring No.</b>	16	<b>Total Depth:</b>	15 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/20/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-0-				0' to 10' SM. Brown, moist, coarse-to-fine-grained silty sand and trace brick fill. No odor or staining noted.
-2-				
-4-				10' to 15' Brown, wet, coarse-to-fine-grained silty sand. Organic odor noted. No staining noted.
-6-				
-8-				
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
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-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 16'-18'. PID readings were not collected due to rain.
<b>Boring No.</b>	17	<b>Total Depth:</b>	18 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/20/03	



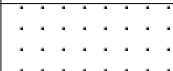
Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-				0'-16' SM. Brown to black, dry, coarse-to-fine-grained silty sand and trace brick fill. Organic odor noted. No staining noted.
-2-				
-4-				16'-18' SM. Brown to gray, wet, very coarse-to-fine-grained silty sand. No odor or staining noted.
-6-				
-8-				
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
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-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were not collected at this location. Refusal encountered at 9.5 ft.
<b>Boring No.</b>	18	<b>Total Depth:</b>	9.5 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/20/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-				0'-2' SM. Dark brown, wet, coarse-to-fine-grained silty sand. No odor or staining noted.
-2-				2'-4' SW. Light brown, dry, coarse-to-fine-grained sand. No odor or staining noted.
-4-				4'-8' SW. Light brown, dry, coarse-to-fine-grained sand and gravel. No odor or staining noted.
-6-				
-8-				
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
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-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 2'-4' and 10'-12'. PID readings were not collected due to rain. A duplicate sample was collected at 10'-12'.
<b>Boring No.</b>	19	<b>Total Depth:</b>	12 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/20/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-0-				0'-4' SM. Light brown to red, dry, coarse to fine grained silty sand, gravel, and brick fill. No odor or staining noted.
-2-				4'-8' SW. Brown, dry, coarse-to-fine-grained sand, gravel, and brick fill. No odor or staining noted.
-4-				8'-10' SW. Light brown, wet, coarse-to-fine-grained sand. No odor or staining noted.
-6-				10'-12' CL Gray to black, moist, clay and gravel. No odor or staining noted.
-8-				
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
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-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: One soil sample was collected at 0'-2'. Refusal was encountered at 8'. PID readings were not collected due to rain.
<b>Boring No.</b>	20	<b>Total Depth:</b>	8 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/20/03	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-				0'-4' SW. Brown, dry, coarse-to-fine-grained sand, gravel, and brick fill. No odor or staining noted.
-2-				
-4-				
-6-				
-8-				
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
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-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**



<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 8'-10'.
<b>Boring No.</b>	21	<b>Total Depth:</b>	10 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	2/11/04	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-				0'-5' SM. Brown to dark brown, dry, coarse-to-fine-grained silty sand and black granular fill. No odor or staining noted.
-2-	0.0			
-4-				5'-10' SM. Brown, moist, coarse-to-fine-grained silty sand, black granular fill, and brick fill. No odors or staining noted.
-6-	0.0			
-8-				
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
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-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 8'-10'.
<b>Boring No.</b>	22	<b>Total Depth:</b>	10 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	2/11/04	

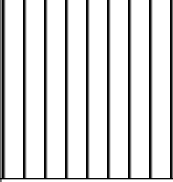

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-				0'-8' SM. Brown, dry, coarse-to-fine-grained silty sand, and trace black granular fill and brick fill. No odor or staining noted.
-2-	0.0			
-4-				8'-10' SM. Brown, moist, coarse-to-fine-grained silty sand, and trace black granular fill and brick fill. No odor or staining noted.
-6-				
-8-				
-10-	0.0			
-12-				
-14-				
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-18-				
-20-				
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**ENVIROSCIENCE CONSULTANTS, INC.  
BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 8'-10'.
<b>Boring No.</b>	23	<b>Total Depth:</b>	10 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	2/11/04	




Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-				0'-5' SM. Dark brown to brown, moist, coarse-to-fine-grained silty sand, black granular fill, and trace brick debris. No odor or staining noted.
-2-				
-4-	0.0			
-6-	0.0		<b>FILL</b>	7'-10' SM. Brown, moist, coarse-to-fine-grained silty sand. No odor or staining noted.
-8-				
-10-	0.0			
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
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-28-				
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**ENVIROSCIENCE CONSULTANTS, INC.  
BORING LOG**

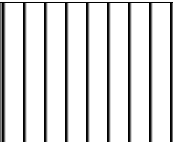
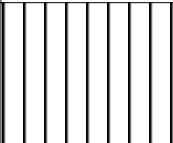
<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 2'-4' and 8'-10'.
<b>Boring No.</b>	24	<b>Total Depth:</b>	10 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	2/11/04	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-				0'-3' SM. Brown to dark brown, moist, coarse-to-fine-grained silty sand and trace concrete fill. Odor noted. No staining noted.	
-2-	0.0		<b>FILL</b>		3'-5' Black, dry, granular fill. No odor or staining noted.
-4-					5'-10' SM. Brown to dark brown, moist, coarse-to-fine-grained silty sand, and trace fill. No odor or staining noted.
-6-	0.0				
-8-					
-10-	0.0				
-12-					
-14-					
-16-					
-18-					
-20-					
-22-					
-24-					
-26-					
-28-					
-30-					
-32-					
-34-					
-36-					
-38-					
-40-					
-42-					
-44-					
-46-					
-48-					

**ENVIROSCIENCE CONSULTANTS, INC.  
BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 5'-10'.
<b>Boring No.</b>	25	<b>Total Depth:</b>	10 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	2/11/04	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)	
-0-				0'-4' SM. Brown, moist, coarse-to-fine-grained silty sand. No odor or staining noted.	
-2-					4'-5' Black, dry, granular fill. No odor or staining noted.
-4-	0.0		FILL		5'-10' SM. Tan to brown, coarse-to-fine-grained silty sand and trace black granular fill. No odor or staining noted.
-6-	0.0				
-8-					
-10-	0.0				
-12-					
-14-					
-16-					
-18-					
-20-					
-22-					
-24-					
-26-					
-28-					
-30-					
-32-					
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-38-					
-40-					
-42-					
-44-					
-46-					
-48-					

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 1'-3' and 8'-10'.
<b>Boring No.</b>	26	<b>Total Depth:</b>	10 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	2/11/04	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-				0'-7' SM. Brown, moist, coarse-to-fine-grained silty sand and fill with trace gravel. No odor or staining noted.
-2-				
-4-				7'-10' SM. Brown, moist, fine-grained silty sand and fill with trace gravel. Aged petroleum odor and staining noted.
-6-				
-8-	0.0			
-10-	0.0			
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
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-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 1' to 3' and 8'-10'.
<b>Boring No.</b>	27	<b>Total Depth:</b>	10 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	2/11/04	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-	0.0			0' to 10' SM. Brown, moist, fine-grained silty sand and fill. No odors or staining noted.
-2-				
-4-				
-6-				
-8-				
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.  
BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 3'-5' and 8'-10'.
<b>Boring No.</b>	28	<b>Total Depth:</b>	10 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	2/11/04	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-				0'-5' SM. Brown, moist, coarse-to-fine-grained sand and trace black granular fill and concrete. Odor noted. No staining noted.
-2-				5'-10' SM. Brown, moist, coarse-to-fine-grained silty sand and trace concrete. No odor or staining noted.
-4-	0.0			
-6-				
-8-				
-10-	0.0			
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**



<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 0'-2' and 8'-10'.
<b>Boring No.</b>	29	<b>Total Depth:</b>	10 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	2/11/04	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-	0.0			0' to 10' SM. Tan to black, moist, coarse-to-fine-grained silty sand and trace brick and concrete fill. No odor or staining noted.
-2-				
-4-				
-6-				
-8-				
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.  
BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 2'-3' and 8'-10'.
<b>Boring No.</b>	30	<b>Total Depth:</b>	10 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	2/11/04	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-				0'-5' SM. Brown, moist, fine-grained silty sand and concrete fill with trace gravel. Odor and staining noted.
-2-				5'-10' SM. Brown, moist, fine-grained silty sand and concrete fill. No odor or staining noted.
-4-	0.0			
-6-				
-8-				
-10-	0.0			
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.  
BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY			Notes: Soil samples were collected at 2'-4' and 8'-10'. Two duplicate samples were collected at 2'-4' and 8'-10'.
<b>Boring No.</b>	31	<b>Total Depth:</b>	10 ft	
<b>Screen Dia.</b>		<b>Length</b>	<b>Slot Size</b>	
<b>Drilling Method</b>	Direct-Push Technology			
<b>Driller</b>	Land, Air, Water Environmental Services			
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	2/11/04	

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-				0'-5' SM. Brown to black, moist, coarse-to-fine-grained silty sand Organic odor noted. No staining noted.
-2-				
-4-	0.0			5'-10' SM. Brown to black, moist, coarse-to-fine-grained silty sand and trace fill. No odor or staining noted.
-6-				
-8-				
-10-	0.0			
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY				Notes: No soil samples were collected from DW-1.	
<b>Well No.</b>	DW-1	<b>Total Depth</b>	30 feet			
<b>Screen Dia.</b>	2 in	<b>Length</b>	10 ft	<b>Slot Size</b>		0.01
<b>Drilling Method</b>	Hollow stem auger					
<b>Driller:</b>	Land Air Water Environmental Services, Inc.					
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03			

Depth (Feet)	PID (ppm)	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-2-		<p>Grout Backfill Bentonite Well Gravel</p>		0 - 30 SM Brown, moist, fine-grained silty sand, black granular material, and trace gravel. No odor or staining noted.
-4-				
-6-				
-8-				
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				
-50-				

**ENVIROSCIENCE CONSULTANTS, INC.  
BORING LOG**


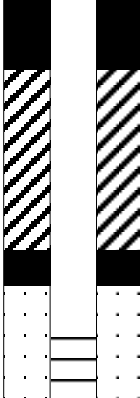

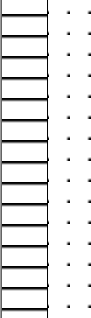
<b>Project</b>	57-15 49th Street, Maspeth, NY				Notes: No soil samples were collected from DW-2	
<b>Well No.</b>	DW-2	<b>Total Depth</b>	30 ft			
<b>Screen Dia.</b>	2 in	<b>Length</b>	10 ft	<b>Slot Size</b>		0.01
<b>Drilling Method</b>	Hollow stem auger					
<b>Driller:</b>	Land Air Water Environmental Services, Inc.					
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/20/03			

Depth (Feet)	PID (ppm)	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-2-		GROUT		0 - 30 SM Brown, moist, fine-grained silty sand, black granular material, and trace gravel. No odor or staining noted.
-4-		Backfill		
-6-		Backfill		
-8-		Backfill		
-10-		Bentonite		
-12-		Bentonite		
-14-		Bentonite		
-16-		Bentonite		
-18-		Well Gravel		
-20-		Well Gravel		
-22-		Well Gravel		
-24-		Well Gravel		
-26-		Well Gravel		
-28-		Well Gravel		
-30-		Well Gravel		
-32-		Well Gravel		
-34-		Well Gravel		
-36-		Well Gravel		
-38-		Well Gravel		
-40-		Well Gravel		
-42-		Well Gravel		
-44-		Well Gravel		
-46-		Well Gravel		
-48-		Well Gravel		
-50-		Well Gravel		

**ENVIROSCIENCE CONSULTANTS, INC.  
BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY				Notes: Soil samples were collected at 2'-4' and 10'-12'. PID readings were not collected due to rain.	
<b>Well No.</b>	MW-5	<b>Total Depth:</b>	20 ft			
<b>Screen Dia.</b>	2 in	<b>Length</b>	10ft	<b>Slot Size</b>		0.01
<b>Drilling Method</b>	Hollow Stem Auger					
<b>Driller</b>	Land, Air, Water Environmental Services					
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03			

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-		Grout		0' to 12' SM. Brown, wet, coarse-to-fine-grained silty sand. Slight odor noted at 2'-4'. No staining noted.
-2-		Backfill		
-4-				
-6-		Bentonite		
-8-				
-10-				
-12-		Well Gravel		
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.  
BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY				Notes: Soil samples were collected at 0'-2' and 10'-12'. PID readings were not collected due to rain.	
<b>Well No.</b>	MW-6	<b>Total Depth:</b>	20 ft			
<b>Screen Dia.</b>	2 in	<b>Length</b>	10ft	<b>Slot Size</b>		0.01
<b>Drilling Method</b>	Hollow Stem Auger					
<b>Driller</b>	Land, Air, Water Environmental Services					
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/20/03			

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-		Grout		0' to 12' SM. Brown to black, moist, coarse-to-fine-grained sand. No odor or staining noted. Hit refusal at 12'.
-2-		Backfill		
-4-		Bentonite		
-6-				
-8-		Well Gravel		
-10-				
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY				Notes: Soil samples were collected at 8'-10' and 10'-12'. PID readings were not collected due to rain.	
<b>Well No.</b>	MW-7	<b>Total Depth:</b>	20 ft			
<b>Screen Dia.</b>	2 in	<b>Length</b>	10ft	<b>Slot Size</b>		0.01
<b>Drilling Method</b>	Hollow Stem Auger					
<b>Driller</b>	Land, Air, Water Environmental Services					
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03			


























Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
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-0-		Grout		0' to 12' SM. Brown, wet, coarse-to-fine-grained silty sand. Strong odor noted at 8'10'. No staining noted.
-2-		Backfill		
-4-				
-6-				
-8-		Bentonite		
-10-				
-12-				
-14-		Well Gravel		
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**






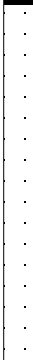
<b>Project</b>	57-15 49th Street, Maspeth, NY				Notes: Soil samples were collected at 0'-2' and 10'-12'. PID readings were not collected due to rain.	
<b>Well No.</b>	MW-8	<b>Total Depth:</b>	20 ft			
<b>Screen Dia.</b>	2 in	<b>Length</b>	10ft	<b>Slot Size</b>		0.01
<b>Drilling Method</b>	Hollow Stem Auger					
<b>Driller</b>	Land, Air, Water Environmental Services					
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03			

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-0-		Grout		0'-8' SM. Black, moist, coarse-to-fine-grained silty sand with trace gravel and fill. No odor or staining noted.
-2-		Backfill		8'-10' SM Brown, moist, coarse-to-fine-grained silty sand. No odor or staining noted.
-4-		Backfill		
-6-		Backfill		
-8-		Bentonite		10'-12' CL. Black, moist, silty clay with trace sand. Organic odor noted. No staining noted.
-10-		Bentonite		
-12-		Well Gravel		
-14-		Well Gravel		
-16-		Well Gravel		
-18-		Well Gravel		
-20-		Well Gravel		
-22-		Well Gravel		
-24-		Well Gravel		
-26-		Well Gravel		
-28-		Well Gravel		
-30-		Well Gravel		
-32-		Well Gravel		
-34-		Well Gravel		
-36-		Well Gravel		
-38-		Well Gravel		
-40-		Well Gravel		
-42-		Well Gravel		
-44-		Well Gravel		
-46-		Well Gravel		
-48-		Well Gravel		

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY				Notes: Soil samples were collected at 0'-2' and 10'-12'. PID readings were not collected due to rain.	
<b>Well No.</b>	MW-9	<b>Total Depth:</b>	20 ft			
<b>Screen Dia.</b>	2 in	<b>Length</b>	10ft	<b>Slot Size</b>		0.01
<b>Drilling Method</b>	Direct-Push Technology					
<b>Driller</b>	Land, Air, Water Environmental Services					
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	11/19/03			

























Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
--------------	---------	-------------------	--------------	---

-0-		Grout		0'-8' SM. Black, moist, coarse-to-fine-grained silty sand. No odor or staining noted.
-2-		Backfill		8'-12' SM Tan, moist, coarse-to-fine-grained silty sand. No odor or staining noted.
-4-				
-6-				
-8-		Bentonite		
-10-				
-12-		Well Gravel		
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.  
BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY				Notes: Soil samples were collected at 0'-2' and 12'-14'.	
<b>Well No.</b>	MW-10	<b>Total Depth:</b>	20 ft			
<b>Screen Dia.</b>	2 in	<b>Length</b>	10ft	<b>Slot Size</b>		0.01
<b>Drilling Method</b>	Hollow Stem Auger					
<b>Driller</b>	Land, Air, Water Environmental Services					
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	3/17/04			

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
--------------	---------	-------------------	--------------	---

-0-		Grout		0'-6' SM. Black to brown, moist, coarse-to-fine-grained silty sand with trace gravel. Organic odor noted. No staining noted.
-2-		Backfill		
-4-				6'-14' CL Brown, very moist, silty clay with trace sand. No odor or staining noted.
-6-	0.0	Bentonite		
-8-				
-10-				
-12-				
-14-	0.0	Well Gravel		
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**

<b>Project</b>	57-1549th Street, Maspeth, NY				Notes: Soil samples were collected at 0'-2' and 10'-12'.	
<b>Well No.</b>	MW-11	<b>Total Depth:</b>	20 ft			
<b>Screen Dia.</b>	2 in	<b>Length</b>	10 ft	<b>Slot Size</b>		0.01
<b>Drilling Method</b>	Hollow Stem Auger					
<b>Driller</b>	Land, Air, Water Environmental Services					
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	3/17/04			


























Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
--------------	---------	-------------------	--------------	---

-0-		Grout		0'-4' SM. Black to brown. Moist. Silty, coarse to fine grained sand with trace gravel. No odor or staining noted.
-2-		Backfill		4'-12' CL Brown. Moist. Silty clay and sand. No odor or staining noted.
-4-	0.0			
-6-		Bentonite		
-8-				
-10-		Well Gravel		
-12-	0.0			
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.  
BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY				Notes: Soil samples were collected at 0'-2' and 10'-12'.	
<b>Well No.</b>	MW-13	<b>Total Depth:</b>	20 ft			
<b>Screen Dia.</b>	2 in	<b>Length</b>	10 ft	<b>Slot Size</b>		0.01
<b>Drilling Method</b>	Hollow Stem Auger					
<b>Driller</b>	Land, Air, Water Environmental Services					
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	3/17/04			

Depth (Feet)	PID ppm	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
--------------	---------	-------------------	--------------	---

-0-		Grout		0'-4' SM. Black, moist, coarse-to-fine-grained silty sand. Organic odor noted. No staining noted.
-2-		Backfill		4'-12' CL Black, wet, sandy clay. Organic odor noted. No staining noted.
-4-	0.0	Bentonite		
-6-				
-8-				
-10-				
-12-	0.0	Well Gravel		
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				

**ENVIROSCIENCE CONSULTANTS, INC.  
BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY				Notes: Soil samples were not collected at this location. Samples for TP-6 are representative of this location.	
<b>Well No.</b>	MW-14D	<b>Total Depth</b>	30 ft			
<b>Screen Dia.</b>	2 in	<b>Length</b>	10 ft	<b>Slot Size</b>		0.01
<b>Drilling Method</b>	Hollow stem auger					
<b>Driller</b>	Land, Air, Water Environmental Services, Inc.					
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	4/6/04			

Depth (Feet)	PID (ppm)	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-2-		GROUT		0 - 30 SM Brown, moist, fine-grained silty sand, black granular material, and trace gravel. No odor or staining noted.
-4-		BACKFILL		
-6-		BENTONITE		
-8-				
-10-		WELL GRAVEL		
-12-				
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				
-50-				

**ENVIROSCIENCE CONSULTANTS, INC.  
BORING LOG**





<b>Project</b>	57-15 49th Street, Maspeth, NY				Notes: Soil samples were not collected at this location. Samples for TP-6 are representative of this location.	
<b>Well No.</b>	MW-14S	<b>Total Depth</b>	20 ft			
<b>Screen Dia.</b>	2 in	<b>Length</b>	10 ft	<b>Slot Size</b>		0.01
<b>Drilling Method</b>	Hollow stem auger					
<b>Driller</b>	Land, Air, Water Environmental Services, Inc.					
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	4/6/04			

Depth (Feet)	PID (ppm)	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
--------------	-----------	-------------------	--------------	---

-2-		Grout		0 - 20 SM Black granular material and brown, moist, coarse-to-fine grained silty sand and trace gravel. No odor or staining noted.
-4-		Backfill		
-6-		Bentonite		
-8-				
-10-		Bentonite		
-12-				
-14-		Well Gravel		
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
-42-				
-44-				
-46-				
-48-				
-50-				

**ENVIROSCIENCE CONSULTANTS, INC.  
BORING LOG**

<b>Project</b>	57-15 49th Street, Maspeth, NY				Notes: Soil samples were collected at 0'-2' and 10'-12'.	
<b>Well No.</b>	MW-15	<b>Total Depth</b>	20 ft			
<b>Screen Dia.</b>	2 in	<b>Length</b>	10 ft	<b>Slot Size</b>		0.01
<b>Drilling Method</b>	Hollow stem auger					
<b>Driller</b>	Land, Air, Water Environmental Services, Inc.					
<b>Log By</b>	T. Wall	<b>Date Drilled</b>	4/6/04			

Depth (Feet)	PID (ppm)	Well Construction	Graphic Logs	Description/Soil Classification (Color, Texture, Structures) (Reported In Feet Below Grade)
-2-		Grout		0'-6' SM Tan, silty sand and gravel, coarse to fine grained, moist. No odor or staining noted.
-4-		Backfill		6'-10' SM Tan, silty sand, coarse to fine grained, moist. No odor or staining noted.
-6-	0.0	Bentonite		10'-12' SM Brown, silty sand, coarse to fine grained, wet. No odor or staining noted.
-8-				
-10-				
-12-	0.0	Well Gravel		
-14-				
-16-				
-18-				
-20-				
-22-				
-24-				
-26-				
-28-				
-30-				
-32-				
-34-				
-36-				
-38-				
-40-				
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-44-				
-46-				
-48-				
-50-				

**ENVIROSCIENCE CONSULTANTS, INC.**  
**BORING LOG**



Appendix B  
Data Usability Summary Report

Enviroscience Consultants, Inc.

April 21, 2004

VIA E-MAIL

Enviroscience Consultants, Inc.  
Mr. Greg Menegio

*Re: Data Validation Summary for York Project No. 03110576*

Dear Greg:

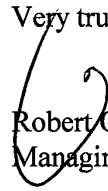
Per your request, York has completed its data review in accordance with the NYSDEC Data Usability Summary Review (DUSR) methodology and the USEPA National Functional Guidelines for Organic and Inorganic Data Review.

The project is discussed below in terms of chain-of-custody, holding times, initial calibration, continuing calibration, method blanks, Laboratory control samples (LCS), surrogate recoveries (where applicable), matrix spike/matrix spike duplicate data, and internal standards (where applicable).

Based upon these reviews, all data was found to be acceptable.

Should you have any questions, feel free to contact me or Rich August at 203-325-1371.

Very truly yours,

  
Robert Q. Bradley  
Managing Director

cc: R. August

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**York Project No. 03110576**

This project consisted of twenty one (21) soil samples. Parameters for the samples requested included volatiles(8260), semi-volatiles (BN only)(8270), pesticides/PCB(8081/8082) and TAL metals (total and dissolved) (6010 and 7471).

Chain-of-Custody- the field chain of custody and laboratory chains of custody were found to be complete and reflective of the samples and their handling from field through the analysis process.

Holding Times- the holding times for extraction, digestion and analysis were met for all samples and all fractions in this sample delivery group (SDG).

Volatiles- GC/MS Initial Calibration was found to be in compliance with tuning (BFB), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (BFB), %Diff and Rf criteria

Laboratory Control Samples (LCS) were within acceptance limits

Method Blanks were found to be in compliance

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No sample dilutions were necessary with the exception of sample MW-7B which was run at a 10x dilution due to matrix.

Semi-Volatiles-GC/MS Initial Calibration was found to be in compliance with tuning (DFTPP), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (DFTPP), %Diff and Rf criteria

Method Blanks were found to be in compliance

Laboratory Control Samples (LCS) were within acceptance limits

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits. It is noted that sample SB-5A required a 25x dilution due to target compound levels. Due to this fact, the surrogates were diluted out.

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

Certain samples required dilutions for analysis due to matrix interference and/or target compound levels. These samples were SB-1A(5x), SB-2A(2x), SB-3A(2x), SB-4B(2x), MW-7B(5x), SB-5A(25x), SB-6A(5x), SB-7A(5x), SB-7C(2x), SB-8A(2x), and SB-10A(5x).

Pesticides/PCB-GC Initial Calibration was found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

GC Continuing Calibrations were found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

Method Blanks were found to be in compliance.

Laboratory Control Samples (LCS) were within acceptance limits.

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

All samples for pesticides were run at 10x due to matrix.

Metals-

ICP initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data were acceptable, however there was slight detections of Ca, Mn, Fe, Mg, and Na in CCBs 5, 6, 7, 8 and 9. The data are not affected. The data for these elements may be qualified with a B flag.

CRI (detection limits) were within requirements

Interelement correction standards verified system performance as acceptable (ICS A and ICS AB)

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

The digestion blanks of batch 1202C showed slight detections of Fe, Al and Na. No further action is necessary.

All samples exhibited target metals within the linear range of the ICP. Certain samples required dilution to the presence of Ca, Na and Fe.

Serial dilutions recovered within method limits

All ending QC (CCV, CCB, CRI, ICSA, and ICSAB) were within criteria except for slight detection of Na and Ca seen in the ending QC sequence due to carryover from the previous sample. The data are not affected. These elements may be qualified with a B flag.

Mercury-

Initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data was acceptable

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.



**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**VOLATILES**

Date: 03/23/04

Project No.: 03110576

Client Sample ID	York Sample ID	Data File	ISTD	Surrogates	Dilution
SB-1A	03110576-01	V55855.D	✓	✓	no
SB-1B	03110576-02	V55856.D	✓	✓	no
SB-2A	03110576-03	V55857.D	✓	✓	no
SB-2B	03110576-04	V55858.D	✓	✓	no
MW-6A	03110576-05	V55859.D	✓	✓	no
SB-3A	03110576-06	V55860.D	✓	✓	no
SB-3B	03110576-07	V55861.D	✓	✓	no
SB-4A	03110576-08	V55862.D	✓	✓	no
SB-4B	03110576-09	V55863.D	✓	✓	no
MW-7A	03110576-10	V55864.D	✓	✓	no
MW-7B	03110576-11	V55902.D	✓	✓	10X
SB-5A	03110576-12	V55905.D	✓	✓	no
SB-5B	03110576-13	V55867.D	✓	✓	no
SB-6A	03110576-14	V55868.D	✓	✓	no
SB-6B	03110576-15	V55869.D	✓	✓	no
SB-7A	03110576-16	V55870.D	✓	✓	no
SB-7B	03110576-17	V55871.D	✓	✓	no
SB-7C	03110576-18	V55872.D	✓	✓	no
SB-8A	03110576-19	V55873.D	✓	✓	no
SB-8B	03110576-20	V55874.D	✓	✓	no
SB-10A	03110576-21	V55876.D	✓	✓	no

Comments: Sample MW-7B has a 10X dilution due to matrix interference.

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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**SEMI-VOLATILES**

Date: 03/23/04 QB File IDs QBSV1120203A  
 Review Performed By: SW QB File IDs QBSV1120303A  
 Project No. 03110576 QB File IDs QBSV1120503A  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
TCLBNA31		
DFTPP Criteria	Y	
%RSD Avg	Y	
CCC RSD	Y	
SPCC Rf	Y	
Continuing Calibration		
EX7399 EX7439 EX7619		
% Diff CCC	Y/Y/Y	
SPCC Rf	Y/Y/Y	
DFTPP Criteria	Y/Y/Y	
Method Blank	Y	
Laboratory Control (LCS)	Y	
MS/MSD	Y	
Sample Data	Y	
Internal Standards	Y	
Surrogate Recoveries	Y*	SB-5A Diluted out
Linear ranges	Y**	

Additional Comments: \*\* Samples SB-1A, SB-2A, SB-3A, ~~SB-7B~~, SB-7A, SB-7C & SB-8A were diluted due to matrix interference. Samples SB-4B, SB-5A, SB-6A and SB-10A were diluted due to high target hits



**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**SEMI-VOLATILES**

Date: 03/23/04  
Project No.: 03110578

Client Sample ID	York Sample ID	Data File	ISTD	Surrogates	Dilution
SB-1A	03110576-01	EX7403.D	✓	✓	5X-matrix
SB-1B	03110576-02	EX7404.D	✓	✓	no
SB-2A	03110576-03	EX7405.D	✓	✓	2X-matrix
SB-2B	03110576-04	EX7406.D	✓	✓	no
MW-6A	03110576-05	EX7440.D	✓	✓	no
SB-3A	03110576-06	EX7408.D	✓	✓	2X-matrix
SB-3B	03110576-07	EX7441.D	✓	✓	no
SB-4A	03110576-08	EX7410.D	✓	✓	no
SB-4B	03110576-09	EX7411.D	✓	✓	2X-targets
MW-7A	03110576-10	EX7412.D	✓	✓	no
MW-7B	03110576-11	EX7413.D	✓	✓	5X-matrix
SB-5A	03110576-12	EX7442.D	✓	Diluted out	25X-targets
SB-5B	03110576-13	EX7415.D	✓	✓	no
SB-6A	03110576-14	EX7416.D	✓	✓	5X-targets
SB-6B	03110576-15	EX7417.D	✓	✓	no
SB-7A	03110576-16	EX7418.D	✓	✓	5X-matrix
SB-7B	03110576-17	EX7419.D	✓	✓	no
SB-7C	03110576-18	EX7420.D	✓	✓	2X-matrix
SB-8A	03110576-19	EX7520.D	✓	✓	2X-matrix
SB-8B	03110576-20	EX7421.D	✓	✓	no
SB-10A	03110576-21	EX7446.D	✓	✓	5X-targets

Comments:

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**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**PESTICIDE/PCB**

Date: 03/23/04  
Project No.: 03110576

Client Sample ID	York Sample ID	Data File	Surrogates	Dilution*
SB-1A	03110576-01	PEST_020/PCB_004	✓	no
SB-1B	03110576-02	PEST_010/PCB_005	✓	no
SB-2A	03110576-03	PEST_022/PCB_006	✓	no
SB-2B	03110576-04	PEST_023/PCB_007	✓	no
MW-6A	03110576-05	PEST_024/PCB_008	✓	no
SB-3A	03110576-06	PEST_025/PCB_009	✓	no
SB-3B	03110576-07	PEST_026/PCB_010	✓	no
SB-4A	03110576-08	PEST_029/PCB_011	✓	no
SB-4B	03110576-09	PEST_030/PCB_012	✓	no
MW-7A	03110576-10	PEST_031/PCB_013	✓	no
MW-7B	03110576-11	PEST_032/PCB_004	✓	no
SB-5A	03110576-12	PEST_033/PCB_005	✓	no
SB-5B	03110576-13	PEST_034/PCB_006	✓	no
SB-6A	03110576-14	PEST_035/PCB_007	✓	no
SB-6B	03110576-15	PEST_036/PCB_008	✓	no
SB-7A	03110576-16	PEST_037/PCB_009	✓	no
SB-7B	03110576-17	PEST_038/PCB_010	✓	no
SB-7C	03110576-18	PEST_040/PCB_011	✓	no
SB-8A	03110576-19	PEST_041/PCB_012	✓	no
SB-8B	03110576-20	PEST_044/PCB_013	✓	no
SB-10A	03110576-21	PEST_045/PCB_015	✓	no

Comments: \* = Pesticides soils are run at a 10x dilution, but the MDL is not effected.  
PCB soils are run straight.

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April 21, 2004

VIA E-MAIL

Enviroscience Consultants, Inc.  
Mr. Greg Menegio

*Re: Data Validation Summary for York Project No. 03110577*

Dear Greg:

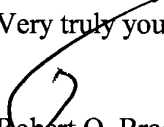
Per your request, York has completed its data review in accordance with the NYSDEC Data Usability Summary Review (DUSR) methodology and the USEPA National Functional Guidelines for Organic and Inorganic Data Review.

The project is discussed below in terms of chain-of-custody, holding times, initial calibration, continuing calibration, method blanks, Laboratory control samples (LCS), surrogate recoveries (where applicable), matrix spike/matrix spike duplicate data, and internal standards (where applicable).

Based upon these reviews, all data was found to be acceptable.

Should you have any questions, feel free to contact me or Rich August at 203-325-1371.

Very truly yours,

  
Robert Q. Bradley  
Managing Director

cc: R. August

**York Project No. 03110577**

This project consisted of five soil samples and one aqueous sample (equip. blank). Parameters requested included volatiles(8260), semi-volatiles (BN only)(8270), pesticides/PCB(8081/8082) and TAL metals (6010 and 7471).

Chain-of-Custody- the field chain of custody and laboratory chains of custody were found to be complete and reflective of the samples and their handling from field through the analysis process.

Holding Times- the holding times for extraction, digestion and analysis were met for all samples and all fractions in this sample delivery group (SDG).

Volatiles- GC/MS Initial Calibration was found to be in compliance with tuning (BFB), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (BFB), %Diff and Rf criteria

Laboratory Control Samples (LCS) were within acceptance limits

Method Blanks were found to be in compliance

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were non site specific batch QC and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges

Semi-Volatiles-GC/MS Initial Calibration was found to be in compliance with tuning (DFTPP), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (DFTPP), %Diff and Rf criteria

Method Blanks were found to be in compliance

Laboratory Control Samples (LCS) were within acceptance limits

Internal Standards were found to be in compliance with criteria



Surrogate recoveries were found to be within control limits. It is noted that sample MW-9A required 125x dilution due to severe matrix (oily matrix). Due to this fact, the surrogates were diluted out.

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges. It is noted that samples MW-9A, SB-10B, and SB-8A all were run diluted due to the presence of matrix interference. Sample MW-8B was run at a 5x dilution due to the matrix and levels of target compounds found.

Pesticides/PCB-GC Initial Calibration was found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

GC Continuing Calibrations were found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

Method Blanks were found to be in compliance.

Laboratory Control Samples (LCS) were within acceptance limits.

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges after dilution where necessary. It is noted that samples MW-9A and SB-8A were diluted 10x for PCB due to matrix effects.

Metals- ICP initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data were acceptable, however there was slight detections of Na and Ca in CCBs 3,4,5,6,7. The data are not affected. The data for these elements may be qualified with a B flag.

CRI (detection limits) were within requirements

Interelement correction standards verified system performance as acceptable (ICS A and ICS AB)

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

The digestion blanks of batches 1201D and E showed slight detections of Fe, Na and Ca . Since these are flagged B from CCB detections no further action is necessary.

All samples exhibited target metals within the linear range of the ICP. Certain samples required dilution to the presence of

Serial dilutions recovered within method limits

All ending QC (CCV, CCB, CRI, ICSA, and ICSAB) were within criteria except for slight detection of Fe, Mg, Al, Na, Ca seen in the ending QC sequence due to carryover from the previous sample. The data are not affected. These elements may be qualified with a B flag.

Mercury-

Initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data was acceptable

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**VOLATILES**

Date: 03/31/04 QB File IDs QBV3112503A-B  
 Review Performed By: SW QB File IDs QBV3112503B-A  
 Project No. 03110577 QB File IDs QBV3112503B-B  
 Client: Enviroscience QB File IDs ~~QBV0112703A~~

QA/QC Criteria		Acceptable(Y/N)	Comments
	Cal. Method ID		
Initial Calibration	V3C49A V1C117W V3C49B		
	BFB Criteria	Y/Y/Y	
	%RSD Avg	Y/Y/Y	
	CCC RSD	Y/Y/Y	
	SPCC Rf	Y/Y/Y	
Continuing Calibration	V55846 V55880 V55879 V07638	Y/Y/Y/Y	
	% Diff CCC	Y/Y/Y/Y	
	SPCC Rf	Y/Y/Y/Y	
BFB Criteria		Y/Y/Y/Y	
Method Blank		Y/Y/Y/Y	
Laboratory Control (LCS)		Y	
MS/MSD	577-02	Y	
Sample Data		Y	
	Internal Standards	Y	
	Surrogate Recoveries	Y	
	Linear ranges	Y	

Additional Comments: all ok

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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**SEMI-VOLATILES**

Date: 03/31/04 QB File IDs QBSV1120103A  
 Review Performed By: SW QB File IDs QBSV1120303A  
 Project No. 03110577 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration	TCLBNA31	Y
DFTPP Criteria		Y
%RSD Avg		Y
CCC RSD		Y
SPCC Rf		Y
Continuing Calibration	EX7358.D EX7439	
% Diff CCC		Y/Y
SPCC Rf		Y/Y
DFTPP Criteria		Y
Method Blank		Y
Laboratory Control (LCS)		Y
MS/MSD		Y
Sample Data		Y
Internal Standards		Y
Surrogate Recoveries		Y <sup>#</sup> MW-9A surr. recovery diluted out
Linear ranges		Y <sup>*</sup>

Additional Comments: \* MW-9A, SB-10B, SB-8A, MW-8B had dilutions

*SW*





PCB

York Analytical Laboratories, Inc.  
Internal Data Validation /DUSR Review Form  
**PESTICIDES** (PCB)

Date: 04/01/04 QB File IDs QBP120403  
Review Performed By: SW QB File IDs QBP120403  
Project No. 03110577 QB File IDs \_\_\_\_\_  
Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
PCB <del>019</del> PCB 1204		
DDT/Endrin Bkwn.	NA	
%RSD	Y/Y	
Continuing Calibration		
PCB 019		
DDT/Endrin Bkwn.	NA	
% Difference	Y/Y	
Method Blank	Y/Y	
Laboratory Control (LCS)	Y/Y	
MS/MSD	Y/Y	
Sample Data	Y	
Surrogate Recoveries	Y	
Linear ranges	Y	

Additional Comments: \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**METALS (No Hg)**

Date: 03/29/04 QB File IDs QBI120103B  
 Review Performed By: SW QB File IDs \_\_\_\_\_  
 Project No. 03110577 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Initial Calibration		
ICV	Y	
ICB	Y	
LCS	Y	
Continuing Calibration		
CCVs <sup>CCV3 CCV4</sup> CCV5, CCV6, CCV7	Y/Y/Y/Y/Y	
CCBs <sup>CCB3 CCB4</sup> CCB5, CCB6, CCB7	N/N/N/N*/N*	Na, Ca over MDL
Ending QC	Y/N	Fe, Mg, Al, Na, Ca over MDL
Digestion Blank	12/01D 12/01E N/N**	Fe, Na, Ca over MDL
Laboratory Control (LCS)	Aq P-093 SD-034 Y/Y	
Spike/Dups	577-01 Y/Y	
Sample Data	Y	
Linear ranges/Dil.	Y	

Additional Comments: \* Fe, Na, Ca are over MDL

\*\* Na, Ca over MDL

OK - data not affected



April 21, 2004

VIA E-MAIL

Enviroscience Consultants, Inc.  
Mr. Greg Menegio

*Re: Data Validation Summary for York Project No. 03110578*

Dear Greg:

Per your request, York has completed its data review in accordance with the NYSDEC Data Usability Summary Review (DUSR) methodology and the USEPA National Functional Guidelines for Organic and Inorganic Data Review.

The project is discussed below in terms of chain-of-custody, holding times, initial calibration, continuing calibration, method blanks, Laboratory control samples (LCS), surrogate recoveries (where applicable), matrix spike/matrix spike duplicate data, and internal standards (where applicable).

Based upon these reviews, all data was found to be acceptable.

Should you have any questions, feel free to contact me or Rich August at 203-325-1371.

Very truly yours,

Robert Q. Bradley  
Managing Director

cc: R. August

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**York Project No. 03110578**

This project consisted of eleven aqueous samples. Parameters for ten of the samples requested included volatiles(8260), semi-volatiles (BN only)(8270), pesticides/PCB(8081/8082) and TAL metals (total and dissolved) (6010 and 7471). Volatiles only was requested on the trip blank. The samples for dissolved metals were filtered upon receipt at the the laboratory.

Chain-of-Custody- the field chain of custody and laboratory chains of custody were found to be complete and reflective of the samples and their handling from field through the analysis process.

Holding Times- the holding times for extraction, digestion and analysis were met for all samples and all fractions in this sample delivery group (SDG).

Volatiles- GC/MS Initial Calibration was found to be in compliance with tuning (BFB), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (BFB), %Diff and Rf criteria

Laboratory Control Samples (LCS) were within acceptance limits

Method Blanks were found to be in compliance

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No sample dilutions were necessary.

Semi-Volatiles-GC/MS Initial Calibration was found to be in compliance with tuning (DFTPP), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (DFTPP), %Diff and Rf criteria

Method Blanks were found to be in compliance

Laboratory Control Samples (LCS) were within acceptance limits

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits. It is noted that sample MW-9A required 125x dilution due to severe matrix (oily matrix). Due to this fact, the surrogates were diluted out.

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No dilutions were required for analysis.

Pesticides/PCB-GC Initial Calibration was found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

GC Continuing Calibrations were found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

Method Blanks were found to be in compliance.

Laboratory Control Samples (LCS) were within acceptance limits.

Surrogate recoveries were found to be within control limits with the exception of decachlorobiphenyl recovery on sample GP-7. The recovery was below the control limit, but greater than 10%. The other surrogate, tetrachloro-m-xylene was within acceptance windows. The data are not affected.

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No dilutions were required for analysis.

Metals- ICP initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data were acceptable, however there was slight detections of Ca in CCBs 1,2,3, and 4. The data are not affected. The data for Ca may be qualified with a B flag.

CRI (detection limits) were within requirements

Interelement correction standards verified system performance as acceptable (ICS A and ICS AB)

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

The digestion blanks of batches 1201C and D showed slight detections of Fe and Na. No further action is necessary.

All samples exhibited target metals within the linear range of the ICP. Certain samples required dilution to the presence of Ca, Na and Fe.

Serial dilutions recovered within method limits

All ending QC (CCV, CCB, CRI, ICSA, and ICSAB) were within criteria except for slight detection of Na and Ca seen in the ending QC sequence due to carryover from the previous sample. The data are not affected. These elements may be qualified with a B flag.

Mercury-

Initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data was acceptable

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**VOLATILES**

Date: 03/16/04 QB File IDs QBV1112703A  
 Review Performed By: SW QB File IDs QBV1112703B  
 Project No. 03110578 QB File IDs QBV1120803A  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
		VIC117W
BFB Criteria	Y	
%RSD Avg	Y	
CCC RSD	Y	
SPCC Rf	Y	
Continuing Calibration		V07538.D V07555.D V07712.D
% Diff CCC	Y	
SPCC Rf	Y	
BFB Criteria	Y	
Method Blank	Y	
Laboratory Control (LCS)	Y	
MS/MSD	Y	
Sample Data	Y	
Internal Standards	Y	
Surrogate Recoveries	Y	
Linear ranges	Y	

Additional Comments: \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**VOLATILES**

Date: 03/16/04

Project No.: 03110578

Client Sample ID	York Sample ID	Data File	ISTD	Surrogates	Dilution
TB-11/19	03110578-01	VO7546.D	✓	✓	no
GP-1	03110578-02	VO7547.D	✓	✓	no
GP-2	03110578-03	VO7548.D	✓	✓	no
GP-3	03110578-04	VO7717.D	✓	✓	no
GP-4	03110578-05	VO7550.D	✓	✓	no
GP-5	03110578-06	VO7718.D	✓	✓	no
GP-6	03110578-07	VO7552.D	✓	✓	no
GP-7	03110578-08	VO7553.D	✓	✓	no
GP-8	03110578-09	VO7554.D	✓	✓	no
GP-10	03110578-10	VO7560.D	✓	✓	no
EBW-11/19	03110578-11	VO7561.D	✓	✓	no

Comments:

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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**SEMI-VOLATILES**

Date: 03/16/04 QB File IDs QBSV1120103A  
 Review Performed By: 8W QB File IDs \_\_\_\_\_  
 Project No. 03110578 QB File IDs \_\_\_\_\_  
 Client: ENVUROSCEINCE QB File IDs \_\_\_\_\_

QA/QC Criteria		Acceptable(Y/N)	Comments
	Cal. Method ID		
Initial Calibration	TCLBNA 31		
	DFTPP Criteria	Y	
	%RSD Avg	Y	
	CCC RSD	Y	
	SPCC Rf	Y	
Continuing Calibration	EX7358.D		
	% Diff CCC	Y	
	SPCC Rf	Y	
DFTPP Criteria		Y	
Method Blank		Y	
Laboratory Control (LCS)		Y	
MS/MSD		Y	
Sample Data		Y	
	Internal Standards	Y	
	Surrogate Recoveries	Y	
	Linear ranges	Y	

Additional Comments: \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**SEMI-VOLATILES**

Date: 03/16/04

Project No.: 03110578

Client Sample ID	York Sample ID	Data File	ISTD	Surrogates	Dilution
GP-1	03110578-02	EX7362.D	✓	✓	no
GP-2	03110578-03	EX7363.D	✓	✓	no
GP-3	03110578-04	EX7364.D	✓	✓	no
GP-4	03110578-05	EX7365.D	✓	✓	no
GP-5	03110578-06	EX7366.D	✓	✓	no
GP-6	03110578-07	EX7367.D	✓	✓	no
GP-7	03110578-08	EX7368.D	✓	✓	no
GP-8	03110578-09	EX7369.D	✓	✓	no
GP-10	03110578-10	EX7370.D	✓	✓	no
EBW-11/19	03110578-11	EX7371.D	✓	✓	no

Comments: \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**

**PESTICIDES** / PCB

Date: 03/23/04

QB File IDs QBPI20103A

Review Performed By: \_\_\_\_\_

QB File IDs \_\_\_\_\_

Project No. 03110578

QB File IDs \_\_\_\_\_

Client: \_\_\_\_\_

QB File IDs \_\_\_\_\_

QA/QC Criteria		Acceptable(Y/N)	Comments
	Cal. Method ID		
Initial Calibration	<u>Pest 1201</u>		
	DDT/Endrin Bkwn.	Y	
	%RSD	Y	
Continuing Calibration	<u>Pest = 021</u> <u>Pest = 032</u>		
	DDT/Endrin Bkwn.	Y	
	% Difference	Y / Y	
Method Blank		Y	
Laboratory Control (LCS)		Y	
MS/MSD		Y	
Sample Data		Y	
	Surrogate Recoveries	Y	
	Linear ranges	Y	

Additional Comments: \_\_\_\_\_

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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**

**PESTICIDES** (PCB)

Date: March 29, 2004 QB File IDs QBPI20103A  
 Review Performed By: SW/BM QB File IDs \_\_\_\_\_  
 Project No. 03110578 QB File IDs \_\_\_\_\_  
 Client: EnviroScience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
		PCB-1118
		DDT/Endrin Bkdwn.
		NA
		%RSD
		Y
Continuing Calibration		
		PCB-019 PCB-048 PCB-036
		DDT/Endrin Bkdwn.
		NA
		% Difference
		Y/Y/Y
Method Blank		
		Y
Laboratory Control (LCS)		
		Y
MS/MSD		
		Y
Sample Data		
		Y
		Surrogate Recoveries
		Y
		Linear ranges
		Y
		GIP-7 matrix int. <del>#1</del> DCB

Additional Comments: \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**PESTICIDE/PCB**

Date: 03/16/04  
Project No.: 03110578

Client Sample ID	York Sample ID	Data File	Surrogates	Dilution
GP-1	03110578-02	PEST_014/PCB_027	✓	no
GP-2	03110578-03	PEST_015/PCB_028	✓	no
GP-3	03110578-04	PEST_016/PCB_029	✓	no
GP-4	03110578-05	PEST_017/PCB_030	✓	no
GP-5	03110578-06	PEST_018/PCB_031	✓	no
GP-6	03110578-07	PEST_019/PCB_032	✓	no
GP-7	03110578-08	PEST_022/PCB_033	*	no
GP-8	03110578-09	PEST_023/PCB_034	✓	no
GP-10	03110578-10	PEST_024/PCB_035	✓	no
EBW-11/19	03110578-11	PEST_025/PCB_037	✓	no

Comments: \* =DCB is at 11% in Pesticide and PCB extract indicating a matrix interference.

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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**METALS (No Hg)**

Date: 03/16/04 QB File IDs QB1120103B  
 Review Performed By: SW QB File IDs \_\_\_\_\_  
 Project No. 03110578 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Initial Calibration		
ICV	Y	
ICB	Y	
LCS	Y	
Continuing Calibration		
CCVs <sup>CCV1, CCV2, CCV3, CCV4</sup>	Y/Y/Y/Y	
CCBs <sup>CCB1, CCB2, CCB3, CCB4</sup>	Y/N*/N**/N**	*Ca value is above MDL
Ending QC <sup>CCV11, CCB11</sup>	Y/N**	
Digestion Blank	12/01C 12/01D Y/N***	Fe and Na above MDL
Laboratory Control (LCS)	D LCS Aq4 P093 Y	
Spike/Dups	578-02 Y/Y	
Sample Data	Y	
Linear ranges/Dil.	Y	

Additional Comments: \*\* - Ca and Na values are above MDL  
in CCB 3 + CCB 4 + CCB 11 (ending QC)





April 21, 2004

VIA E-MAIL

Enviroscience Consultants, Inc.  
Mr. Greg Menegio

*Re: Data Validation Summary for York Project No. 03110609*

Dear Greg:

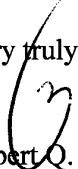
Per your request, York has completed its data review in accordance with the NYSDEC Data Usability Summary Review (DUSR) methodology and the USEPA National Functional Guidelines for Organic and Inorganic Data Review.

The project is discussed below in terms of chain-of-custody, holding times, initial calibration, continuing calibration, method blanks, Laboratory control samples (LCS), surrogate recoveries (where applicable), matrix spike/matrix spike duplicate data, and internal standards (where applicable).

Based upon these reviews, all data was found to be acceptable.

Should you have any questions, feel free to contact me or Rich August at 203-325-1371.

Very truly yours,

  
Robert Q. Bradley  
Managing Director

cc: R. August

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**York Project No. 03110609**

This project consisted of six (6) soil samples. Parameters for the samples requested included volatiles(8260), semi-volatiles (BN only)(8270), pesticides/PCB(8081/8082) and TAL metals (total and dissolved) (6010 and 7471).

Chain-of-Custody- the field chain of custody and laboratory chains of custody were found to be complete and reflective of the samples and their handling from field through the analysis process.

Holding Times- the holding times for extraction, digestion and analysis were met for all samples and all fractions in this sample delivery group (SDG).

Volatiles- GC/MS Initial Calibration was found to be in compliance with tuning (BFB), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (BFB), %Diff and Rf criteria

Laboratory Control Samples (LCS) were within acceptance limits

Method Blanks were found to be in compliance

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No sample dilutions were necessary.

Semi-Volatiles-GC/MS Initial Calibration was found to be in compliance with tuning (DFTPP), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (DFTPP), %Diff and Rf criteria

Method Blanks were found to be in compliance

Laboratory Control Samples (LCS) were within acceptance limits

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits.

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

Certain samples required dilutions for analysis due to matrix interference and/or target compound levels. These samples were SB-19A(2x), SB-19B(5x), SB-19C(5x), SB-17A(5x) and SB-20A(5x).

Pesticides/PCB-GC Initial Calibration was found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

GC Continuing Calibrations were found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

Method Blanks were found to be in compliance.

Laboratory Control Samples (LCS) were within acceptance limits.

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

All samples for pesticides were straight except for SB-17A which was run at 10x due to matrix.

Metals- ICP initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data were acceptable, however there was slight detections of Fe, Ca, Al, Cu and Na in CCBs 8, 9, and 10. The data are not affected. The data for these elements may be qualified with a B flag.

CRI (detection limits) were within requirements

Interelement correction standards verified system performance as acceptable (ICS A and ICS AB)

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

The digestion blanks of batch 1202D showed slight detections of Zn, Fe, Mg, Cu, Ca and Na. No further action is necessary.

All samples exhibited target metals within the linear range of the ICP. Certain samples required dilution to the presence of Ca, Na and Fe.

Serial dilutions recovered within method limits

All ending QC (CCV, CCB, CRI, ICSA, and ICSAB) were within criteria except for slight detection of Na and Ca seen in the ending QC sequence due to carryover from the previous sample. The data are not affected. These elements may be qualified with a B flag.

Mercury-

Initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data was acceptable

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**VOLATILES**

Date: 04/01/04 QB File IDs QBV3112503B-A  
 Review Performed By: SW QB File IDs QBV3112503B-B  
 Project No. 03110609 QB File IDs QBV3112603A-A  
 Client: Enviroscience QB File IDs QBV3112603A-B

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
		V3C49A V3C49B
BFB Criteria	Y	
%RSD Avg	Y	
CCC RSD	Y	
SPCC Rf	Y	
Continuing Calibration		
		V5 5860 V55879 V55913 V55914
% Diff CCC	Y	
SPCC Rf	Y	
BFB Criteria	Y	
Method Blank	Y	
Laboratory Control (LCS)	Y	
MS/MSD	Y	
Sample Data	Y	
Internal Standards	Y	
Surrogate Recoveries	Y	
Linear ranges	Y	

Additional Comments: \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**SEMI-VOLATILES**

Date: 04/21/04 QB File IDs QBSV1020503A  
 Review Performed By: SW QB File IDs QBSV1120803A  
 Project No. 03110609-01 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration	Y	
TCLBNA31		
DFTPP Criteria	Y	
%RSD Avg	Y	
CCC RSD	Y	
SPCC Rf	Y	
Continuing Calibration	Y	
EX7519.D EX7600.D		
% Diff CCC	Y	
SPCC Rf	Y	
DFTPP Criteria	Y	
Method Blank	Y	
Laboratory Control (LCS)	Y	
MS/MSD	Y	
Sample Data		
Internal Standards	Y	
Surrogate Recoveries	Y	
Linear ranges	Y	dilutions due to matrix and targets

Additional Comments: \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**

**PESTICIDES** / PCB

Date: 04/21/04

QB File IDs QB Pest 120403

Review Performed By: SW

QB File IDs \_\_\_\_\_

Project No. 03110609

QB File IDs \_\_\_\_\_

Client: Enviroscience

QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
<u>Pest 1204</u>		
DDT/Endrin Bkdwn.	Y	
%RSD	Y	
Continuing Calibration		
DDT/Endrin Bkdwn.	Y	
% Difference	Y	
Method Blank	Y	
Laboratory Control (LCS)	Y	
MS/MSD	Y	
Sample Data	Y	
Surrogate Recoveries	Y	
Linear ranges	Y	

Additional Comments: \_\_\_\_\_

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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**METALS (No Hg)**

Date: 04/06/04 QB File IDs QBI120203A  
 Review Performed By: SW QB File IDs \_\_\_\_\_  
 Project No. 03110609 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Initial Calibration		
ICV	Y	
ICB	N	<del>Na+Ca over MDL</del> not so
LCS	Y	
Continuing Calibration		
CCVs <sup>CCV8</sup> <sub>CCV9</sub> <sup>CCV10</sup>	Y/Y/Y	
CCBs <sup>CCB8</sup> <sub>CCB9</sub> <sup>CCB10</sup>	N/N/N	Fe, Al, Cu, Na+Ca over MDL
Ending QC	Y/N	Ni Fe, Mg, Al, Cu, Na, Ca over MDL
Digestion Blank	N	Zn Fe, Mg, Cu, Na, Ca over MDL
Laboratory Control (LCS)	Y	
Spike/Dups	Y	
Sample Data	Y	
Linear ranges/Dil.	Y	

6

Additional Comments: \_\_\_\_\_  
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April 21, 2004

VIA E-MAIL

Enviroscience Consultants, Inc.  
Mr. Greg Menegio

*Re: Data Validation Summary for York Project No. 03110610*

Dear Greg:

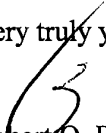
Per your request, York has completed its data review in accordance with the NYSDEC Data Usability Summary Review (DUSR) methodology and the USEPA National Functional Guidelines for Organic and Inorganic Data Review.

The project is discussed below in terms of chain-of-custody, holding times, initial calibration, continuing calibration, method blanks, Laboratory control samples (LCS), surrogate recoveries (where applicable), matrix spike/matrix spike duplicate data, and internal standards (where applicable).

Based upon these reviews, all data was found to be acceptable.

Should you have any questions, feel free to contact me or Rich August at 203-325-1371.

Very truly yours,

  
Robert Q. Bradley  
Managing Director

cc: R. August

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**York Project No. 03110610**

This project consisted of sixteen (16) soil samples and one aqueous sample (equip. blk). Parameters for the samples requested included volatiles (8260), semi-volatiles (BN only) (8270), pesticides/PCB (8081/8082) and TAL metals (total and dissolved) (6010 and 7471).

Chain-of-Custody- the field chain of custody and laboratory chains of custody were found to be complete and reflective of the samples and their handling from field through the analysis process.

Holding Times- the holding times for extraction, digestion and analysis were met for all samples and all fractions in this sample delivery group (SDG).

Volatiles- GC/MS Initial Calibration was found to be in compliance with tuning (BFB), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (BFB), %Diff and Rf criteria

Laboratory Control Samples (LCS) were within acceptance limits

Method Blanks were found to be in compliance

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No sample dilutions were necessary, except for sample MW-6B which was run at a 200x dilution due to target compounds.

Semi-Volatiles-GC/MS Initial Calibration was found to be in compliance with tuning (DFTPP), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (DFTPP), %Diff and Rf criteria

Method Blanks were found to be in compliance

Laboratory Control Samples (LCS) were within acceptance limits

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits. Samples MW-5A, SB-15A, and MW-6M required dilutions which diluted out the surrogates.

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

Certain samples required dilution due to matrix and/or target compounds: SB-11A(5x), MW-5A(50x), MW-5B(5x), SB-14A(2x), SB-14B(5x), SB-15A(10x), SB-16A(5x), SB-16B(5x), MW-6M(10x).

Pesticides/PCB-GC Initial Calibration was found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

GC Continuing Calibrations were found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

Method Blanks were found to be in compliance.

Laboratory Control Samples (LCS) were within acceptance limits.

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No samples required dilution for analysis for PCB. All pesticide soils were run at 10x due to matrix.

Metals- ICP initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data were acceptable, however there was slight detections of Fe, Ca, Mg and Na in CCBs 1,2,5,6,7 and 8. The data are not affected. The data for these elements may be qualified with a B flag.

CRI (detection limits) were within requirements

Interelement correction standards verified system performance as acceptable (ICS A and ICS AB)

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

The digestion blanks of batch 1203E showed slight detections of Ca and Na. No further action is necessary.

All samples exhibited target metals within the linear range of the ICP.

Serial dilutions recovered within method limits

All ending QC (CCV, CCB, CRI, ICSA, and ICSAB) were within criteria except for slight detection of Fe, Na and Ca seen in the ending QC sequence due to carryover from the previous sample. The data are not affected. These elements may be qualified with a B flag.

Mercury-

Initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data was acceptable

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.



**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**VOLATILES**

Date: 04/21/04

QB File IDs QBV3112603A-A

Review Performed By: SW

QB File IDs QBV3112603A-B

Project No. 03110610

QB File IDs QBV112703A

Client: Enviroscience

QB File IDs QBV312903A-A

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
		V3C49A V3C49B VIC117W
BFB Criteria	Y	
%RSD Avg	Y	
CCC RSD	Y	
SPCC Rf	Y	
Continuing Calibration		
		V55913.D V55914.D V07538.D V56088
% Diff CCC	Y	
SPCC Rf	Y	
BFB Criteria	Y	
Method Blank	Y	
Laboratory Control (LCS)	Y	
MS/MSD	Y	610-09
Sample Data	Y	
Internal Standards	Y	
Surrogate Recoveries	Y	
Linear ranges	Y	MW-6B has 200X dilution for p-Isopropyltoluene

Additional Comments: \_\_\_\_\_

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**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**VOLATILES**

Date: 04/21/04  
Project No.: 03110610

Client Sample ID	York Sample ID	Data File	ISTD	Surrogates	Dilution
SB-12A	03110610-01	V55930.D	✓	✓	no
SB-12B	03110610-02	V55931.D	✓	✓	no
SB-11A	03110610-03	V55932.D	✓	✓	no
SB-11B	03110610-04	V55933.D	✓	✓	no
MW-5A	03110610-05	V55934.D	✓	✓	no
MW-5B	03110610-06	V55935.D	✓	✓	no
SB-13A	03110610-07	V55936.D	✓	✓	no
SB-13B	03110610-08	V55937.D	✓	✓	no
SB-14A	03110610-09	V55938.D	✓	✓	no
SB-14B	03110610-10	V55939.D	✓	✓	no
SB-15A	03110610-11	V55940.D	✓	✓	no
SB-15B	03110610-12	V55941.D	✓	✓	no
SB-16A	03110610-13	V55942.D	✓	✓	no
SB-16B	03110610-14	V55943.D	✓	✓	no
MW-6M	03110610-15	V56033.D	✓	✓	200x - target
SB-15C	03110610-16	V55945.D	✓	✓	no
EBS-11/20	03110610-17	VO7562.D	✓	✓	no

Comments:

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**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**SEMI-VOLATILES**

Date: 04/21/04  
Project No.: 03110610

Client Sample ID	York Sample ID	Data File	ISTD	Surrogates	Dilution
SB-12A	03110610-01	EX7768	✓	✓	no
SB-12B	03110610-02	EX7769	✓	✓	no
SB-11A	03110610-03	EX7861	✓	✓	5x - matrix
SB-11B	03110610-04	EX7862	✓	✓	no
MW-5A	03110610-05	EX8049	✓	Diluted out	50x - targets
MW-5B	03110610-06	EX7864	✓	✓	5x - targets
SB-13A	03110610-07	EX7865	✓	✓	no
SB-13B	03110610-08	EX7866	✓	✓	no
SB-14A	03110610-09	EX7867	✓	✓	2x - matrix
SB-14B	03110610-10	EX7870	✓	✓	5x - matrix
SB-15A	03110610-11	EX7945	✓	Diluted out	10x - targets
SB-15B	03110610-12	EX7941	✓	✓	no
SB-16A	03110610-13	EX7943	✓	✓	5x - matrix
SB-16B	03110610-14	EX7944	✓	✓	5x - matrix
MW-6M	03110610-15	EX7946	✓	Diluted out	10x - matrix
SB-15C	03110610-16	EX7942	✓	✓	no
EBS-11/20	03110610-17	EX7909	✓	✓	no

Comments: \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**PESTICIDE/PCB**

Date: 04/21/04  
Project No.: 03110610

Client Sample ID	York Sample ID	Data File	Surrogates	Dilution *
SB-12A	03110610-01	PEST_012/PCB_028	✓	no
SB-12B	03110610-02	PEST_013/PCB_029	✓	no
SB-11A	03110610-03	PEST_014/PCB_030	✓	no
SB-11B	03110610-04	PEST_015/PCB_031	✓	no
MW-5A	03110610-05	PEST_016/PCB_032	✓	no
MW-5B	03110610-06	PEST_017/PCB-033	✓	no
SB-13A	03110610-07	PEST_018/PCB-034	✓	no
SB-13B	03110610-08	PEST_020/PCB-035	✓	no
SB-14A	03110610-09	PEST_021/PCB-037	✓	no
SB-14B	03110610-10	PEST_024/PCB-038	✓	no
SB-15A	03110610-11	PEST_025/PCB-039	✓	no
SB-15B	03110610-12	PEST_026/PCB-040	✓	no
SB-16A	03110610-13	PEST_027/PCB-041	✓	no
SB-16B	03110610-14	PEST_028/PCB-042	✓	no
MW-6M	03110610-15	PEST_029/PCB-043	✓	no
SB-15C	03110610-16	PEST_032/PCB-044	✓	no
EBS-11/20	03110610-17	PEST_026/PCB_038	✓	no

Comments: \* = Pesticides soils are run at a 10x dilution, but the MDL is not effected.  
PCB soils are run straight.

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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**METALS (No Hg)**

Date: 04/21/04 QB File IDs QBI120303b  
 Review Performed By: 8W QB File IDs \_\_\_\_\_  
 Project No. 03110610 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Initial Calibration		
ICV	Y	
ICB	<del>N</del> Y	<del>Na over MDL</del> OK
LCS P-03/D-034	Y	
Continuing Calibration		
CCVs <sup>CCV1 CCV2 CCV3</sup> <sub>CCV6 CCV7 CCV8</sub>	Y	
CCBs <sup>CCB1 CCB2 CCB3</sup> <sub>CCB4 CCB7 CCB8</sub>	N/N/N*/N*/N*/N*	Fe, Mg, Na + Ca over MDL
Ending QC	Y/N	Fe, Mg, Al, Na + Ca over MDL
Digestion Blank	12/03 E N	Na + Ca over MDL
Laboratory Control (LCS)	D-034 Y	
Spike/Dups	610-09 Y	
Sample Data	Y	
Linear ranges/Dil.	Y	

Additional Comments: \* Na + Ca over MDL

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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**MERCURY**

Date: 04/21/04 QB File IDs QBHg120303  
 Review Performed By: SW QB File IDs \_\_\_\_\_  
 Project No. 03110610 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Initial Calibration		
		<u>120303</u>
ICV	Y	
ICB	Y	
LCS	Y	
Continuing Calibration		
CCVs	Y	<u>CCV5 CCV6 CCV7</u>
CCBs	Y	<u>CCB5 CCB6 CCB7</u>
Ending QC	Y	
Digestion Blank	Y	
Laboratory Control (LCS)	Y	
Spike/Dups	Y	<u>610-09</u>
Sample Data	Y	
Linear ranges/Dil.	Y	

Additional Comments: \_\_\_\_\_  
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April 21, 2004

VIA E-MAIL

Enviroscience Consultants, Inc.  
Mr. Greg Menegio

*Re: Data Validation Summary for York Project No. 03110611*

Dear Greg:

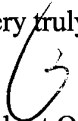
Per your request, York has completed its data review in accordance with the NYSDEC Data Usability Summary Review (DUSR) methodology and the USEPA National Functional Guidelines for Organic and Inorganic Data Review.

The project is discussed below in terms of chain-of-custody, holding times, initial calibration, continuing calibration, method blanks, Laboratory control samples (LCS), surrogate recoveries (where applicable), matrix spike/matrix spike duplicate data, and internal standards (where applicable).

Based upon these reviews, all data was found to be acceptable.

Should you have any questions, feel free to contact me or Rich August at 203-325-1371.

Very truly yours,

  
Robert Q. Bradley  
Managing Director

cc: R. August

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**York Project No. 03110611**

This project consisted of ten (10) aqueous samples. Parameters for the samples requested included volatiles(8260), semi-volatiles (BN only)(8270), pesticides/PCB(8081/8082) and TAL metals (total and dissolved) (6010 and 7471).

Chain-of-Custody- the field chain of custody and laboratory chains of custody were found to be complete and reflective of the samples and their handling from field through the analysis process.

Holding Times- the holding times for extraction, digestion and analysis were met for all samples and all fractions in this sample delivery group (SDG).

Volatiles- GC/MS Initial Calibration was found to be in compliance with tuning (BFB), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (BFB), %Diff and Rf criteria

Laboratory Control Samples (LCS) were within acceptance limits

Method Blanks were found to be in compliance

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No sample dilutions were necessary.

Semi-Volatiles-GC/MS Initial Calibration was found to be in compliance with tuning (DFTPP), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (DFTPP), %Diff and Rf criteria

Method Blanks were found to be in compliance

Laboratory Control Samples (LCS) were within acceptance limits

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits.

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No samples required dilution for analysis

Pesticides/PCB-GC Initial Calibration was found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

GC Continuing Calibrations were found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

Method Blanks were found to be in compliance.

Laboratory Control Samples (LCS) were within acceptance limits.

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No samples required dilution for analysis.

Metals-

ICP initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data were acceptable, however there was slight detections of Fe, Ca, Mg and Na in CCBs 1-4. The data are not affected. The data for these elements may be qualified with a B flag.

CRI (detection limits) were within requirements

Interelement correction standards verified system performance as acceptable (ICS A and ICS AB)

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

The digestion blanks of batch 1203C showed slight detections of Fe, Ca and Na. No further action is necessary.

All samples exhibited target metals within the linear range of the ICP.

Serial dilutions recovered within method limits

All ending QC (CCV, CCB, CRI, ICSA, and ICSAB) were within criteria except for slight detection of Fe, Na and Ca seen in the ending QC sequence due to carryover from the previous sample. The data are not affected. These elements may be qualified with a B flag.

Mercury-

Initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data was acceptable

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**VOLATILES**

Date: 04/21/04 QB File IDs QBVIII2703B  
 Review Performed By: SW QB File IDs \_\_\_\_\_  
 Project No. 03110611 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
		<u>VIC117W</u>
BFB Criteria	<u>Y</u>	
%RSD Avg	<u>Y</u>	
CCC RSD	<u>Y</u>	
SPCC Rf	<u>Y</u>	
Continuing Calibration		
		<u>V07555</u>
% Diff CCC	<u>Y</u>	
SPCC Rf	<u>Y</u>	
BFB Criteria	<u>Y</u>	
Method Blank	<u>Y</u>	
Laboratory Control (LCS)	<u>Y</u>	
MS/MSD	<u>Y</u>	
Sample Data	<u>Y</u>	
Internal Standards	<u>Y</u>	
Surrogate Recoveries	<u>Y</u>	
Linear ranges	<u>Y</u>	

Additional Comments: \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**METALS (No Hg)**

Date: 04/21/04 QB File IDs QBT 120303  
 Review Performed By: SW QB File IDs \_\_\_\_\_  
 Project No. 03110611 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Initial Calibration		
ICV	Y	
ICB	N	Na over MDL <i>OK</i> = MDL
LCS P-093	Y	
Continuing Calibration		
CCVs <sup>CCV1 CCV2</sup> CCV3 CCV4	Y/Y/Y/Y	
CCBs	N/N/N*/N**	Fe, Mg, Na + Ca over MDL
Ending QC	Y/N	Mg, Na, Ca over MDL + AR
Digestion Blank	N	12/03C Fe, Na, Ca over MDL
Laboratory Control (LCS)	Y	P-093
Spike/Dups	Y	611-06
Sample Data	Y	
Linear ranges/Dil.	Y	

Additional Comments: \*Fe, Na, Ca over MDL  
\*\* - Na, Ca over MDL  
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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**MERCURY**

Date: 04/21/04 QB File IDs QBHg 120103  
 Review Performed By: SW QB File IDs \_\_\_\_\_  
 Project No. 03110611 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria		Acceptable(Y/N)	Comments
Initial Calibration	<u>120103</u>		
	ICV	Y	
	ICB	Y	
	LCS		
Continuing Calibration			
	CCVs <u>CCV1 CCV2</u> <u>CCV3 CCV4</u>	Y	
	CCBs	Y	
	Ending QC	Y	
Digestion Blank		Y	
Laboratory Control (LCS)		Y	
Spike/Dups	<u>611-06</u>	Y	
Sample Data		Y	
	Linear ranges/Dil.	Y	

Additional Comments: \_\_\_\_\_  
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April 21, 2004

VIA E-MAIL

Enviroscience Consultants, Inc.  
Mr. Greg Menegio

*Re: Data Validation Summary for York Project No. 03110748*

Dear Greg:

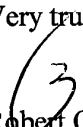
Per your request, York has completed its data review in accordance with the NYSDEC Data Usability Summary Review (DUSR) methodology and the USEPA National Functional Guidelines for Organic and Inorganic Data Review.

The project is discussed below in terms of chain-of-custody, holding times, initial calibration, continuing calibration, method blanks, Laboratory control samples (LCS), surrogate recoveries (where applicable), matrix spike/matrix spike duplicate data, and internal standards (where applicable).

Based upon these reviews, all data was found to be acceptable.

Should you have any questions, feel free to contact me or Rich August at 203-325-1371.

Very truly yours,

  
Robert Q. Bradley  
Managing Director

cc: R. August

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**York Project No. 03110748**

This project consisted of two (2) soil samples. Parameters for the samples requested included volatiles(8260), semi-volatiles (BN only)(8270), pesticides/PCB(8081/8082) and TAL metals (total and dissolved) (6010 and 7471).

Chain-of-Custody- the field chain of custody and laboratory chains of custody were found to be complete and reflective of the samples and their handling from field through the analysis process.

Holding Times- the holding times for extraction, digestion and analysis were met for all samples and all fractions in this sample delivery group (SDG).

Volatiles- GC/MS Initial Calibration was found to be in compliance with tuning (BFB), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (BFB), %Diff and Rf criteria

Laboratory Control Samples (LCS) were within acceptance limits

Method Blanks were found to be in compliance

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No sample dilutions were necessary.

Semi-Volatiles-GC/MS Initial Calibration was found to be in compliance with tuning (DFTPP), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (DFTPP), %Diff and Rf criteria

Method Blanks were found to be in compliance

Laboratory Control Samples (LCS) were within acceptance limits



Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits.

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No samples required dilution for analysis

Pesticides/PCB-GC Initial Calibration was found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

GC Continuing Calibrations were found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

Method Blanks were found to be in compliance.

Laboratory Control Samples (LCS) were within acceptance limits.

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No samples required dilution for analysis.

Metals- ICP initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data were acceptable, however there was slight detections of Fe, Ca, Mg and Na in CCBs 7 and 8. The data are not affected. The data for these elements may be qualified with a B flag.

CRI (detection limits) were within requirements

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Interelement correction standards verified system performance as acceptable (ICS A and ICS AB)

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

The digestion blanks of batch 1203E showed slight detections of Ca and Na. No further action is necessary.

All samples exhibited target metals within the linear range of the ICP.

Serial dilutions recovered within method limits

All ending QC (CCV, CCB, CRI, ICSA, and ICSAB) were within criteria except for slight detection of Fe, Na and Ca seen in the ending QC sequence due to carryover from the previous sample. The data are not affected. These elements may be qualified with a B flag.

Mercury-

Initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data was acceptable

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.





**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**SEMI-VOLATILES**

Date: 04/21/04 QB File IDs QBSV1121203  
 Review Performed By: SW QB File IDs \_\_\_\_\_  
 Project No. 03110748 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
		<u>TCLBNA31</u>
DFTPP Criteria	<u>Y</u>	
%RSD Avg	<u>Y</u>	
CCC RSD	<u>Y</u>	
SPCC Rf	<u>Y</u>	
Continuing Calibration		
		<u>EX7747</u>
% Diff CCC	<u>Y</u>	
SPCC Rf	<u>Y</u>	
DFTPP Criteria	<u>Y</u>	
Method Blank	<u>Y</u>	
Laboratory Control (LCS)	<u>Y</u>	
MS/MSD	<u>Y</u>	
Sample Data	<u>Y</u>	
Internal Standards	<u>Y</u>	
Surrogate Recoveries	<u>Y</u>	
Linear ranges	<u>Y</u>	

Additional Comments: \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**PESTICIDES** *(PCB)*

Date: 04/21/04

QB File IDs QBPCB120903

Review Performed By: SW

QB File IDs \_\_\_\_\_

Project No. 03110748

QB File IDs \_\_\_\_\_

Client: Enviroscience

QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
DDT/Endrin Bkdwn.	NA	
%RSD	Y	
Continuing Calibration		
DDT/Endrin Bkdwn.	NA	
% Difference	Y	
Method Blank	Y	
Laboratory Control (LCS)	Y	
MS/MSD	Y	
Sample Data	Y	
Surrogate Recoveries	Y	
Linear ranges	Y	

Additional Comments: \_\_\_\_\_

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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**METALS (No Hg)**

Date: 04/21/04 QB File IDs QBI120303b  
 Review Performed By: SW QB File IDs \_\_\_\_\_  
 Project No. 03110748 QB File IDs \_\_\_\_\_  
 Client: ENVIVOSCIENCE QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Initial Calibration		
ICV	Y	
ICB	Y	
LCS <u>D-034</u>	Y	
Continuing Calibration		
CCVs <sup>CCV 7</sup> CCV 8	Y	
CCBs <sup>CCB 7</sup> CCB 8	N/N*	Fe, Mg, Na + Ca over MDL
Ending QC	Y/N	Fe, Mg, Al, Na + Ca over MDL
Digestion Blank <u>12/03E</u>	N	Na + Ca over MDL
Laboratory Control (LCS)	Y	
Spike/Dups	Y	
Sample Data	Y	
Linear ranges/Dil.	Y	

Additional Comments: \* Na + Ca over MDL

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April 22, 2004

VIA E-MAIL

Enviroscience Consultants, Inc.  
Mr. Greg Menegio

*Re: Data Validation Summary for York Project No. 03120259*

Dear Greg:

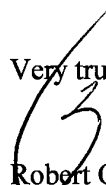
Per your request, York has completed its data review in accordance with the NYSDEC Data Usability Summary Review (DUSR) methodology and the USEPA National Functional Guidelines for Organic and Inorganic Data Review.

The project is discussed below in terms of chain-of-custody, holding times, initial calibration, continuing calibration, method blanks, Laboratory control samples (LCS), surrogate recoveries (where applicable), matrix spike/matrix spike duplicate data, and internal standards (where applicable).

Based upon these reviews, all data was found to be acceptable.

Should you have any questions, feel free to contact me or Rich August at 203-325-1371.

Very truly yours,



Robert Q. Bradley  
Managing Director

cc: R. August

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**York Project No. 03120259**

This project consisted of fourteen (14) soil samples. Parameters for the samples requested included volatiles(8260), semi-volatiles (BN only)(8270), pesticides/PCB(8081/8082) and TAL metals (total and dissolved) (6010 and 7471).

Chain-of-Custody- the field chain of custody and laboratory chains of custody were found to be complete and reflective of the samples and their handling from field through the analysis process.

Holding Times- the holding times for extraction, digestion and analysis were met for all samples and all fractions in this sample delivery group (SDG).

Volatiles- GC/MS Initial Calibration was found to be in compliance with tuning (BFB), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (BFB), %Diff and Rf criteria

Laboratory Control Samples (LCS) were within acceptance limits

Method Blanks were found to be in compliance

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No sample dilutions were necessary, except for samples MW-8 and MW-2-1992 which were run at a 2x dilution due to matrix.

Semi-Volatiles-GC/MS Initial Calibration was found to be in compliance with tuning (DFTPP), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (DFTPP), %Diff and Rf criteria

Method Blanks were found to be in compliance

Laboratory Control Samples (LCS) were within acceptance limits

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits.

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

One sample required dilution due to matrix: MW-7 at 2x.

Pesticides/PCB-GC Initial Calibration was found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

GC Continuing Calibrations were found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

Method Blanks were found to be in compliance.

Laboratory Control Samples (LCS) were within acceptance limits.

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No samples required dilution for analysis for PCB or Pesticide analysis.

Metals-

ICP initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data were acceptable, however there was slight detections of Ca and Na in CCBs 1-5. The data are not affected. The data for these elements may be qualified with a B flag.

CRI (detection limits) were within requirements

Interelement correction standards verified system performance as acceptable (ICS A and ICS AB)

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

The digestion blanks of batch 1209A showed slight detections of Ca and Na. No further action is necessary.

All samples exhibited target metals within the linear range of the ICP.

Serial dilutions recovered within method limits

All ending QC (CCV, CCB, CRI, ICSA, and ICSAB) were within criteria except for slight detection of Fe, Mg, Na and Ca seen in the ending QC sequence due to carryover from the previous sample. The data are not affected. These elements may be qualified with a B flag.

Mercury-

Initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data was acceptable

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.





**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**VOLATILES**

Date: 04/22/04  
Project No.: 03120259

Client Sample ID	York Sample ID	Data File	ISTD	Surrogates	Dilution
TB-12/4	03120259-01	VO7995	✓	✓	no
MW-6	03120259-02	VO7996	✓	✓	no
MW-7	03120259-03	VO7997	✓	✓	no
MW-5	03120259-04	VO7998	✓	✓	no
DW-1	03120259-05	VO7999	✓	✓	no
MW-2-1998	03120259-06	VO8000	✓	✓	no
MW-3-1998	03120259-07	VO8001	✓	✓	no
DW-2	03120259-08	VO8002	✓	✓	no
MW-8	03120259-09	VO8003	✓	✓	2x - matrix
MW-2-1992	03120259-10	VO8004	✓	✓	2x - matrix
MW-9	03120259-11	VO8007	✓	✓	no
MW-4-1998	03120259-12	VO8008	✓	✓	no
EB-12/4	03120259-13	VO8009	✓	✓	no
MW-15	03120259-14	VO8010	✓	✓	no

Comments:

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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**SEMI-VOLATILES**

Date: 04/22/04 QB File IDs QBSV1121603A  
 Review Performed By: SW QB File IDs QBSV1121903A  
 Project No. 03120259 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria		Acceptable(Y/N)	Comments
	Cal. Method ID		
Initial Calibration	TCLBNA31		
	DFTPP Criteria	Y	
	%RSD Avg	Y	
	CCC RSD	Y	
	SPCC Rf	Y	
Continuing Calibration	EX7894 EX8030		
	% Diff CCC	Y	
	SPCC Rf	Y	
DFTPP Criteria		Y	
Method Blank		Y	
Laboratory Control (LCS)		Y	
MS/MSD	259-08	Y	
Sample Data		Y	
	Internal Standards	Y	
	Surrogate Recoveries	Y	
	Linear ranges	Y	dilutions noted

Additional Comments: \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**SEMI-VOLATILES**

Date: 04/22/04  
Project No.: 03120259

Client Sample ID	York Sample ID	Data File	ISTD	Surrogates	Dilution
MW-6	03120259-02	EX8036	✓	✓	no
MW-7	03120259-03	EX8037	✓	✓	2x - matrix
MW-5	03120259-04	EX7915	✓	✓	no
DW-1	03120259-05	EX8038	✓	✓	no
MW-2-1998	03120259-06	EX8039	✓	✓	no
MW-3-1998	03120259-07	EX8040	✓	✓	no
DW-2	03120259-08	EX8041	✓	✓	no
MW-8	03120259-09	EX8044	✓	✓	no
MW-9	03120259-11	EX8045	✓	✓	no
MW-4-1998	03120259-12	EX8046	✓	✓	no
EB-12/4	03120259-13	EX8047	✓	✓	no
MW-15	03120259-14	EX8048	✓	✓	no

Comments: \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**PESTICIDE/PCB**

Date: 04/22/04

Project No.: 03120259

Client Sample ID	York Sample ID	Data File	Surrogates	Dilution
MW-6	03120259-02	PEST_008/PCB_004	✓	no
MW-7	03120259-03	PEST_009/PCB_005	✓	no
MW-5	03120259-04	PEST_010/PCB_006	✓	no
DW-1	03120259-05	PEST_011/PCB_007	✓	no
MW-2-1998	03120259-06	PEST_012/PCB_008	✓	no
MW-3-1998	03120259-07	PEST_013/PCB_009	✓	no
DW-2	03120259-08	PEST_015/PCB_010	✓	no
MW-8	03120259-09	PEST_018/PCB_011	✓	no
MW-9	03120259-11	PEST_019/PCB_012	✓	no
MW-4-1998	03120259-12	PEST_020/PCB_013	✓	no
EB-12/4	03120259-13	PEST_021/PCB_015	✓	no
MW-15	03120259-14	PEST_022/PCB_016	✓	no

Comments:

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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**METALS (No Hg)**

Date: 04/22/04 QB File IDs QBI 120903A  
 Review Performed By: 8W QB File IDs \_\_\_\_\_  
 Project No. 03120259 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Initial Calibration		
ICV	Y	
ICB	Y	
LCS <u>P.093</u>	Y	
Continuing Calibration		
CCVs <sup>CCV1 CCV2</sup> CCV3 CCV4 CCV5	Y/Y/Y/Y/Y	
CCBs <sup>CCB1 CCB2</sup> CCB3 CCB4 CCB5	N/N/N/N/N	Na + Ca over MDL
Ending QC	Y/N	Fe, Mg, Na + Ca over MDL
Digestion Blank <u>12/09 A</u>	N	Na + Ca over MDL
Laboratory Control (LCS) <u>P.093</u>	Y	
Spike/Dups <u>259-08</u>	Y	
Sample Data	Y	
Linear ranges/Dil.	Y	

Additional Comments: \_\_\_\_\_  
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April 23, 2004

VIA E-MAIL

Enviroscience Consultants, Inc.  
Mr. Greg Menegio

*Re: Data Validation Summary for York Project No. 04020283*

Dear Greg:

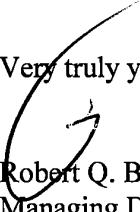
Per your request, York has completed its data review in accordance with the NYSDEC Data Usability Summary Review (DUSR) methodology and the USEPA National Functional Guidelines for Organic and Inorganic Data Review.

The project is discussed below in terms of chain-of-custody, holding times, initial calibration, continuing calibration, method blanks, Laboratory control samples (LCS), surrogate recoveries (where applicable), matrix spike/matrix spike duplicate data, and internal standards (where applicable).

Based upon these reviews, all data was found to be acceptable.

Should you have any questions, feel free to contact me or Rich August at 203-325-1371.

Very truly yours,

  
Robert Q. Bradley  
Managing Director

cc: R. August

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**York Project No. 04020283**

This project consisted of three (3) soil and four (4) aqueous samples. Parameters for the samples requested included volatiles(8260), semi-volatiles (BN only)(8270), pesticides/PCB(8081/8082) and TAL metals (total and dissolved) (6010 and 7471).

Chain-of-Custody- the field chain of custody and laboratory chains of custody were found to be complete and reflective of the samples and their handling from field through the analysis process.

Holding Times- the holding times for extraction, digestion and analysis were met for all samples and all fractions in this sample delivery group (SDG).

Volatiles- GC/MS Initial Calibration was found to be in compliance with tuning (BFB), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (BFB), %Diff and Rf criteria

Laboratory Control Samples (LCS) were within acceptance limits

Method Blanks were found to be in compliance

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No sample dilutions were necessary, except for sample GP-22 which was run at a 2x dilution due to matrix.

Semi-Volatiles-GC/MS Initial Calibration was found to be in compliance with tuning (DFTPP), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (DFTPP), %Diff and Rf criteria

Method Blanks were found to be in compliance

Laboratory Control Samples (LCS) were within acceptance limits

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits.

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

Two samples required dilution at 10x due to matrix: SB-31A and SB-32A

Pesticides/PCB-GC Initial Calibration was found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

GC Continuing Calibrations were found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

Method Blanks were found to be in compliance.

Laboratory Control Samples (LCS) were within acceptance limits.

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No samples required dilution for analysis for PCB or Pesticide analysis.

Soil samples for pesticides were run at 10x dilution due to matrix.

Metals- ICP initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data were acceptable, however there was slight detections of Ca and Na in CCBs 2 and 4. The data are not affected. The data for these elements may be qualified with a B flag.

CRI (detection limits) were within requirements

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Interelement correction standards verified system performance as acceptable (ICS A and ICS AB)

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

The digestion blanks of batch 0217A showed slight detections of Ca and Na. No further action is necessary.

All samples exhibited target metals within the linear range of the ICP.

Serial dilutions recovered within method limits

All ending QC (CCV, CCB, CRI, ICSA, and ICSAB) were within criteria.

Mercury-

Initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data was acceptable

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**VOLATILES**

Date: 04/22/04

QB File IDs QBV1021304A

Review Performed By: SW

QB File IDs QBV3021404A-A

Project No. 04020283

QB File IDs QBV3021404A-B

Client: Enviroscience

QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
		V3C52A VIC123W V3C52B
BFB Criteria	Y	
%RSD Avg	Y	
CCC RSD	Y	
SPCC Rf	Y	
Continuing Calibration		
		V10721 V31395 V31396
% Diff CCC	Y	
SPCC Rf	Y	
BFB Criteria	Y	
Method Blank	Y	
Laboratory Control (LCS)	Y	
MS/MSD	Y	283-02
Sample Data	Y	<del>283-02</del>
Internal Standards	Y	
Surrogate Recoveries	Y	
Linear ranges	Y	dilutions noted

Additional Comments: \_\_\_\_\_

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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**SEMI-VOLATILES**

Date: 04/22/04 QB File IDs QBSV1021804A  
 Review Performed By: SW QB File IDs \_\_\_\_\_  
 Project No. 04020283 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
		<u>TCLBNA34</u>
DFTPP Criteria	<u>Y</u>	
%RSD Avg	<u>Y</u>	
CCC RSD	<u>Y</u>	
SPCC Rf	<u>Y</u>	
Continuing Calibration		
		<u>EX9898</u>
% Diff CCC	<u>Y</u>	
SPCC Rf	<u>Y</u>	
DFTPP Criteria	<u>Y</u>	
Method Blank	<u>Y</u>	
Laboratory Control (LCS)	<u>Y</u>	
MS/MSD		
		<u>283-02</u>
Sample Data		
	<u>Y</u>	
Internal Standards	<u>Y</u>	
Surrogate Recoveries	<u>Y</u>	
Linear ranges	<u>Y</u>	<u>dilutions noted</u>

Additional Comments: \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**METALS (No Hg)**

Date: 04/22/04 QB File IDs QBIO21704A  
 Review Performed By: SW QB File IDs QBIO21804A  
 Project No. 04020283 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Initial Calibration		
ICV	Y	
ICB	Y	
LCS <u>P-093/D-037</u>	Y	
Continuing Calibration		
CCVs <sup>CCV1 CCV2 02/17</sup> <sub>CCV1 CCV2 02/18</sub>	Y	
CCBs	N/N*/N/N**	<u>Na + Ca over MDL</u>
Ending QC	Y	
Digestion Blank	N/N	<u>Na + Ca over MDL</u>
Laboratory Control (LCS)	Y	
Spike/Dups <u>283-02</u>	Y	
Sample Data	Y	
Linear ranges/Dil.	Y	

Additional Comments: \* Ca over MDL  
\*\* Cu, Na, Ca over MDL  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



April 26, 2004

VIA E-MAIL

Enviroscience Consultants, Inc.  
Mr. Greg Menegio

*Re: Data Validation Summary for York Project No. 04020284*

Dear Greg:

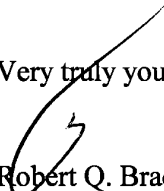
Per your request, York has completed its data review in accordance with the NYSDEC Data Usability Summary Review (DUSR) methodology and the USEPA National Functional Guidelines for Organic and Inorganic Data Review.

The project is discussed below in terms of chain-of-custody, holding times, initial calibration, continuing calibration, method blanks, Laboratory control samples (LCS), surrogate recoveries (where applicable), matrix spike/matrix spike duplicate data, and internal standards (where applicable).

Based upon these reviews, all data was found to be acceptable.

Should you have any questions, feel free to contact me or Rich August at 203-325-1371.

Very truly yours,

  
Robert Q. Bradley  
Managing Director

cc: R. August

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**York Project No. 04020284**

This project consisted of twenty one (21) soil samples and one aqueous sample (equip. blk). Parameters for the samples requested included volatiles(8260), semi-volatiles (BN only)(8270), pesticides/PCB(8081/8082) and TAL metals (total and dissolved) (6010 and 7471).

Chain-of-Custody- the field chain of custody and laboratory chains of custody were found to be complete and reflective of the samples and their handling from field through the analysis process.

Holding Times- the holding times for extraction, digestion and analysis were met for all samples and all fractions in this sample delivery group (SDG).

Volatiles- GC/MS Initial Calibration was found to be in compliance with tuning (BFB), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (BFB), %Diff and Rf criteria

Laboratory Control Samples (LCS) were within acceptance limits

Method Blanks were found to be in compliance

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No sample dilutions were necessary with the exception of sample SB-21A which was run at a 20x dilution due to matrix.

Semi-Volatiles-GC/MS Initial Calibration was found to be in compliance with tuning (DFTPP), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (DFTPP), %Diff and Rf criteria

Method Blanks were found to be in compliance

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Laboratory Control Samples (LCS) were within acceptance limits

Internal Standards were found to be in compliance with criteria with the following exceptions. Samples SB-21A, SB-24A, SB-29A, and SB-30A exhibited suppression of the last internal std.-d12-perylene. This was confirmed by re-running the sample at larger dilutions, 10x and 25x, which also exhibited suppression of this internal std. Compounds quantitated under perylene-d12 may be biased high and should be flagged "J".

Surrogate recoveries, where not diluted out, were found to be within control limits. It is noted that the following samples required dilution due to matrix: SB-22A(10x), -23B(10x), -24B(10x/25x), -26A(10x), -27A(10x), -27B(10x), -28A(10x), and -30A(10x). The following samples were diluted due to target compounds which diluted out the surrogates: SB-21A(25x), -25B(10x), and -29A(25x).

Matrix spike/matrix spike duplicates were site specific but due to matrix, the MS/MSD compounds were diluted out. Batch QC was used for this SDG and was within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges except for samples SB-21A(25x), -25B(10x), and -29A(25x) and -24B(25x).

Pesticides/PCB-GC Initial Calibration was found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

GC Continuing Calibrations were found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

Method Blanks were found to be in compliance.

Laboratory Control Samples (LCS) were within acceptance limits.

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

All samples for pesticides were run at 10x due to matrix. Certain PCB samples required dilution- SB-23A and SB-24A which were both run at 10x dilutions.



Metals-

ICP initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data were acceptable, however there was slight detections of Ca, Al and Na in CCBs 1, 2, 5, 6, and 7. The data are not affected. The data for these elements may be qualified with a B flag.

CRI (detection limits) were within requirements

Interelement correction standards verified system performance as acceptable (ICS A and ICS AB)

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

The digestion blanks of batch 0217C showed slight detections of Ca and Na. No further action is necessary.

All samples exhibited target metals within the linear range of the ICP. Certain samples required dilution to the presence of Ca, Na and Fe.

Serial dilutions recovered within method limits.

Mercury-

Initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data was acceptable

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**VOLATILES**

Date: 04/22/04 QB File IDs ~~V102130~~ QBV1021304A  
 Review Performed By: SW QB File IDs QBV3021404A (A+B)  
 Project No. 04020284 QB File IDs QBV3021404B (A+B)  
 Client: EnviroScience QB File IDs QBV3021604A (A+B)

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
		V1C123W V3C52A V3C52B
BFB Criteria	Y	
%RSD Avg	Y	
CCC RSD	Y	
SPCC Rf	Y	
Continuing Calibration		
		V10721 V31396 V31420 V31395 V31429 V31447 V31448
% Diff CCC	Y	
SPCC Rf	Y	
BFB Criteria	Y	
Method Blank	Y	
Laboratory Control (LCS)	Y	
MS/MSD	Y	
Sample Data	Y	
		284-14
Internal Standards	Y	
Surrogate Recoveries	Y	
Linear ranges	Y	dilutions noted.

Additional Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**VOLATILES**

Date: 04/22/04  
Project No.: 04020284

Client Sample ID	York Sample ID	Data File	ISTD	Surrogates	Dilution
SB-21A	04020284-01	V31410	✓	✓	20x - matrix
SB-21B	04020284-02	V31411	✓	✓	no
SB-22A	04020284-03	V31412	✓	✓	no
SB-22B	04020284-04	V31413	✓	✓	no
SB-23A	04020284-05	V31414	✓	✓	no
SB-23B	04020284-06	V31415	✓	✓	no
SB-24A	04020284-07	V31416	✓	✓	no
SB-24B	04020284-08	V31417	✓	✓	no
SB-25A	04020284-09	V31418	✓	✓	no
SB-25B	04020284-10	V31419	✓	✓	no
SB-26A	04020284-11	V31420	✓	✓	no
SB-26B	04020284-12	V31421	✓	✓	no
SB-27A	04020284-13	V31444	✓	✓	no
SB-27B	04020284-14	V31439	✓	✓	no
SB-28A	04020284-15	V31465	✓	✓	no
SB-28B	04020284-16	V31423	✓	✓	no
SB-29A	04020284-17	V31466	✓	✓	no
SB-29B	04020284-18	V31425	✓	✓	no
SB-30A	04020284-19	V31426	✓	✓	no
SB-30B	04020284-20	V31427	✓	✓	no
SB-32B	04020284-21	V31428	✓	✓	no
EB-2/11-SOIL	04020284-22	V10737	✓	✓	no

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
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 \_\_\_\_\_

**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**SEMI-VOLATILES**

Date: 04/22/04 QB File IDs QBSV1021804A  
 Review Performed By: RU QB File IDs QBSV1021904A  
 Project No. 04020284 QB File IDs QBSV1022004A  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
Cal. Method ID		TCLBNA34
DFTPP Criteria	Y	
%RSD Avg	Y	
CCC RSD	Y	
SPCC Rf	Y	
Continuing Calibration		
Cal. Method ID		EX9891 EX9922 EX9961
% Diff CCC	Y	
SPCC Rf	Y	
DFTPP Criteria	Y	
Method Blank	Y	
Laboratory Control (LCS)	Y	
MS/MSD	Y	284-14
Sample Data	Y	did not use sample
Internal Standards	Y	matrix caused suppression
Surrogate Recoveries	Y	some diluted out
Linear ranges	Y	dilutions noted

QC - spikes diluted out used Batch QC instead

Additional Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**SEMI-VOLATILES**

Date: 04/22/04

Project No.: 04020284

Client Sample ID	York Sample ID	Data File	ISTD	Surrogates	Dilution
SB-21A	04020284-01	EX9976	*	Diluted out	25x - targets
SB-21B	04020284-02	EX9923	✓	✓	2x - matrix
SB-22A	04020284-03	EX9917	✓	Diluted out	10x - matrix
SB-22B	04020284-04	EX9902	✓	✓	no
SB-23A	04020284-05	EX9924	✓	✓	5x - matrix
SB-23B	04020284-06	EX9930	✓	Diluted out	10x - matrix
SB-24A	04020284-07	EX9931	*	Diluted out	**
SB-24B	04020284-08	EX9912	✓	✓	5x - matrix
SB-25A	04020284-09	EX9911	✓	✓	no
SB-25B	04020284-10	EX9925	✓	Diluted out	10x - targets
SB-26A	04020284-11	EX9915	✓	Diluted out	10x - matrix
SB-26B	04020284-12	EX9903	✓	✓	no
SB-27A	04020284-13	EX9918	✓	Diluted out	10x - matrix
SB-27B	04020284-14	EX9926	✓	Diluted out	10x - matrix
SB-28A	04020284-15	EX9927	✓	Diluted out	10x - matrix
SB-28B	04020284-16	EX9904	✓	✓	no
SB-29A	04020284-17	EX9974	*	Diluted out	25x - targets
SB-29B	04020284-18	EX9905	✓	✓	no
SB-30A	04020284-19	EX9929	*	Diluted out	10x - matrix
SB-30B	04020284-20	EX9906	✓	✓	no
SB-32B	04020284-21	EX9907	✓	✓	no
EB-2/11-SOIL	04020284-22	EX9901	✓	✓	no

Comments: \* = Due to matrix interference, the last IS (Perylene-d12) was suppressed.

These samples were rerun at various dilutions to confirm.

\*\* = A 10x dilution was reported for this sample for all compounds except Bis(2-ethylhexyl) phthalate. This compound was reported at a 25x dilution.



**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**PESTICIDES** PCB

Date: 04/22/04 QB File IDs QBPCB021804  
 Review Performed By: SW QB File IDs QBPCB021904  
 Project No. 04020284 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria		Acceptable(Y/N)	Comments
	Cal. Method ID		
Initial Calibration	<u>PCB-0218</u>		
	DDT/Endrin Bkdwn.	<u>NA</u>	
	%RSD	<u>Y</u>	
Continuing Calibration			
	DDT/Endrin Bkdwn.	<u>NA</u>	
	% Difference	<u>Y</u>	
Method Blank		<u>Y</u>	
Laboratory Control (LCS)		<u>Y</u>	
MS/MSD		<u>Y</u>	
Sample Data		<u>Y</u>	
	Surrogate Recoveries	<u>Y</u>	
	Linear ranges	<u>Y</u>	<u>dilutions noted</u>

Additional Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**York Analytical Laboratories, Inc.**  
Internal Data Validation/DUSR Review Form

**PESTICIDE/PCB**

Date: 04/22/04

Project No.: 04020284

Client Sample ID	York Sample ID	Data File	Surrogates	Dilution *
SB-21A	04020284-01	PEST_047/PCB_015	✓	no
SB-21B	04020284-02	PEST_048/PCB_016	✓	no
SB-22A	04020284-03	PEST_049/PCB_017	✓	no
SB-22B	04020284-04	PEST_050/PCB_018	✓	no
SB-23A	04020284-05	PEST_051/PCB_013	✓	1:10
SB-23B	04020284-06	PEST_052/PCB_020	✓	no
SB-24A	04020284-07	PEST_073/PCB_014	✓	1:10
SB-24B	04020284-08	PEST_053/PCB_023	✓	no
SB-25A	04020284-09	PEST_057/PCB_024	✓	no
SB-25B	04020284-10	PEST_058/PCB_025	✓	no
SB-26A	04020284-11	PEST_059/PCB_026	✓	no
SB-26B	04020284-12	PEST_060/PCB_027	✓	no
SB-27A	04020284-13	PEST_061/PCB_028	✓	no
SB-27B	04020284-14	PEST_062/PCB_005	✓	no
SB-28A	04020284-15	PEST_065/PCB_006	✓	no
SB-28B	04020284-16	PEST_066/PCB_007	✓	no
SB-29A	04020284-17	PEST_068/PCB_008	✓	no
SB-29B	04020284-18	PEST_069/PCB_009	✓	no
SB-30A	04020284-19	PEST_070/PCB_010	✓	no
SB-30B	04020284-20	PEST_071/PCB_011	✓	no
SB-32B	04020284-21	PEST_072/PCB_012	✓	no
EB-2/11-SOIL	04020284-22	PEST_022/PCB_008	✓	no

Comments: \* = Pesticide soils are run at a 1:10 dilution

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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**METALS (No Hg)**

Date: 04/22/04 QB File IDs QBIO21704A  
 Review Performed By: 8W QB File IDs: QBIO21804A see next page  
 Project No. 04020284 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Initial Calibration		
ICV	Y	
ICB	Y	
LCS P-093/D-037	Y	
Continuing Calibration		
CCVs <sup>CCV1 CCV2 02/17</sup> CCV5 CCV6 CCV7	Y	
CCBs <sup>CCB1 CCB2 CCB5</sup> CCB6 CCB7	N/N*/N/N**/N**	Na + Ca over MDL
Ending QC		see below
Digestion Blank 02/17C	N	Na + Ca over MDL
Laboratory Control (LCS) P-093/D-037	Y	
Spike/Dups 284-14	Y	
Sample Data	Y	
Linear ranges/Dil.	X	

Additional Comments: Run did not finish - note on QB File:  
plasma out due to autosampler lost. See  
QBIO21804A, confirmed batch OK  
 \* - Ca over MDL OK  
 \*\* - Al, Na, Ca over MDL OK

**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**METALS (No Hg)**

Date: 04/22/04 QB File IDs QBI021804A  
 Review Performed By: 8W QB File IDs \_\_\_\_\_  
 Project No. 04020284 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Initial Calibration		
ICV	Y	
ICB	Y	
LCS <u>D-037</u>	Y	
Continuing Calibration		
CCVs <u>CCV1 CCV2</u>	Y	
CCBs <u>CCB1 CCB2</u>	N/N*	<u>Na+Ca over MDL</u>
Ending QC	Y	
Digestion Blank <u>02/17D</u>	N	<u>Na+Ca over MDL</u>
Laboratory Control (LCS) <u>D-037</u>	Y	
Spike/Dups	Y	
Sample Data	Y	
Linear ranges/Dil.	Y	

Additional Comments: \* Cu, Na, Ca over MDL  
of

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April 26, 2004

VIA E-MAIL

Enviroscience Consultants, Inc.  
Mr. Greg Menegio

*Re: Data Validation Summary for York Project No. 04030446*

Dear Greg:

Per your request, York has completed its data review in accordance with the NYSDEC Data Usability Summary Review (DUSR) methodology and the USEPA National Functional Guidelines for Organic and Inorganic Data Review.

The project is discussed below in terms of chain-of-custody, holding times, initial calibration, continuing calibration, method blanks, Laboratory control samples (LCS), surrogate recoveries (where applicable), matrix spike/matrix spike duplicate data, and internal standards (where applicable).

Based upon these reviews, all data was found to be acceptable.

Should you have any questions, feel free to contact me or Rich August at 203-325-1371.

Very truly yours,

Robert Q. Bradley  
Managing Director

cc: R. August

**York Project No. 04030446**

This project consisted of five(5) soil samples. Parameters for the samples requested included volatiles(8260), semi-volatiles (BN only)(8270), pesticides/PCB(8081/8082) and TAL metals (total and dissolved) (6010 and 7471).

Chain-of-Custody- the field chain of custody and laboratory chains of custody were found to be complete and reflective of the samples and their handling from field through the analysis process.

Holding Times- the holding times for extraction, digestion and analysis were met for all samples and all fractions in this sample delivery group (SDG).

Volatiles- GC/MS Initial Calibration was found to be in compliance with tuning (BFB), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (BFB), %Diff and Rf criteria

Laboratory Control Samples (LCS) were within acceptance limits

Method Blanks were found to be in compliance

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No sample dilutions were necessary.

Semi-Volatiles-GC/MS Initial Calibration was found to be in compliance with tuning (DFTPP), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (DFTPP), %Diff and Rf criteria

Method Blanks were found to be in compliance

Laboratory Control Samples (LCS) were within acceptance limits

Internal Standards were found to be in compliance with criteria with the following exceptions. Samples TB-4, -5, -6, and -7 exhibited suppression of the last internal std.-d12-perylene. This was confirmed by re-running the sample at larger dilutions, 10x and 25x, which also exhibited suppression of this internal std. All data for these samples was reported using the 5x dilution. Compounds quantitated under perylene-d12 may be biased high and should be flagged "J".

Surrogate recoveries, where not diluted out, were found to be within control limits. It is noted that the all samples in this SDG required dilution due to matrix.

Matrix spike/matrix spike duplicates were not site specific. Batch QC was used for this SDG and was within acceptance limits for recovery and RPD.

Pesticides/PCB-GC Initial Calibration was found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

GC Continuing Calibrations were found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

Method Blanks were found to be in compliance.

Laboratory Control Samples (LCS) were within acceptance limits.

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

All samples for pesticides were run at 10x due to matrix. Sample TP-8 for PCB required dilution at 10x due to matrix.

Metals- ICP initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

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CCB data were acceptable, however there was slight detections of Al, Ca and Na in CCBs 1 and 2. The data are not affected. The data for these elements may be qualified with a B flag.

CRI (detection limits) were within requirements

Interelement correction standards verified system performance as acceptable (ICS A and ICS AB)

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

The digestion blanks of batch 0316A showed slight detections of Ca and Na. No further action is necessary.

All samples exhibited target metals within the linear range of the ICP, except for iron, which also caused signal suppression and required dilution of all samples at 10x.

Serial dilutions recovered within method limits.

Mercury-

Initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data was acceptable

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**VOLATILES**

Date: 04/23/04 QB File IDs QBY3032304A-A  
 Review Performed By: 8W QB File IDs QBV3032304A-B  
 Project No. 04030446 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria		Acceptable(Y/N)	Comments
	Cal. Method ID		
Initial Calibration	V3C56A V3C56B		
	BFB Criteria	Y	
	%RSD Avg	Y	
	CCC RSD	Y	
	SPCC Rf	Y	
Continuing Calibration	V33177 V33178		
	% Diff CCC	Y	
	SPCC Rf	Y	
BFB Criteria		Y	
Method Blank		Y	
Laboratory Control (LCS)		Y	
MS/MSD		Y	
Sample Data		Y	
	Internal Standards	Y	
	Surrogate Recoveries	Y	
	Linear ranges	Y	

Additional Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_





**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**SEMI-VOLATILES**

Date: 04/23/04 QB File IDs QBSV1033104A  
 Review Performed By: SW QB File IDs QBSV1040104A  
 Project No. 04030446 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
		TCLBNA37
DFTPP Criteria	Y	
%RSD Avg	Y	
CCC RSD	Y	
SPCC Rf	Y	
Continuing Calibration		
		EX1091 EX1135
% Diff CCC	Y	
SPCC Rf	Y	
DFTPP Criteria	Y	
Method Blank	Y	
Laboratory Control (LCS)	Y	
MS/MSD	Y	
Sample Data	Y	
Internal Standards		exceptions noted
Surrogate Recoveries		exceptions noted
Linear ranges		dilutions noted

Additional Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
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**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**METALS (No Hg)**

Date: 04/23/04 QB File IDs QBIO31604B  
 Review Performed By: 8W QB File IDs \_\_\_\_\_  
 Project No. 04030446 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Initial Calibration		
ICV	Y	
ICB	Y	
LCS <u>D-036</u>	Y	
Continuing Calibration		
CCVs <u>CCV1 CCV2</u>	Y	
CCBs <u>CCB1 CCB2</u>	N/N*	Na + Ca over MDL
Ending QC	Y/N	Na + Ca over MDL
Digestion Blank <u>03/16A</u>	<del>Y</del>	Na + Ca over MDL
Laboratory Control (LCS) <u>D-036</u>	Y	
Spike/Dups <u>446-01</u>	Y	
Sample Data	Y	
Linear ranges/Dil.	Y	samples reported at 1:10 dilution due to iron

Additional Comments: \*Al, Na, Ca over MDL matrix (suppression of signal)

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April 26, 2004

VIA E-MAIL

Enviroscience Consultants, Inc.  
Mr. Greg Menegio

*Re: Data Validation Summary for York Project No. 04040335*

Dear Greg:

Per your request, York has completed its data review in accordance with the NYSDEC Data Usability Summary Review (DUSR) methodology and the USEPA National Functional Guidelines for Organic and Inorganic Data Review.

The project is discussed below in terms of chain-of-custody, holding times, initial calibration, continuing calibration, method blanks, Laboratory control samples (LCS), surrogate recoveries (where applicable), matrix spike/matrix spike duplicate data, and internal standards (where applicable).

Based upon these reviews, all data was found to be acceptable.

Should you have any questions, feel free to contact me or Rich August at 203-325-1371.

Very truly yours,



Robert Q. Bradley  
Managing Director

cc: R. August

**York Project No. 04040335**

This project consisted of two(2) soil samples and two(2) aqueous samples. Parameters for the samples requested included volatiles(8260), semi-volatiles (BN only)(8270), pesticides/PCB(8081/8082) and TAL metals (total and dissolved) (6010 and 7471).

Chain-of-Custody- the field chain of custody and laboratory chains of custody were found to be complete and reflective of the samples and their handling from field through the analysis process.

Holding Times- the holding times for extraction, digestion and analysis were met for all samples and all fractions in this sample delivery group (SDG).

Volatiles- GC/MS Initial Calibration was found to be in compliance with tuning (BFB), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (BFB), %Diff and Rf criteria

Laboratory Control Samples (LCS) were within acceptance limits

Method Blanks were found to be in compliance

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No sample dilutions were necessary.

Semi-Volatiles-GC/MS Initial Calibration was found to be in compliance with tuning (DFTPP), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (DFTPP), %Diff and Rf criteria

Method Blanks were found to be in compliance

Laboratory Control Samples (LCS) were within acceptance limits

Internal Standards were found to be in compliance with criteria.

Surrogate recoveries were found to be within control limits.

Matrix spike/matrix spike duplicates were not site specific. Batch QC was used for this SDG and was within acceptance limits for recovery and RPD.

Samples MW-15A and -15B were diluted 5x due to matrix.

Pesticides/PCB-GC Initial Calibration was found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

GC Continuing Calibrations were found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

Method Blanks were found to be in compliance.

Laboratory Control Samples (LCS) were within acceptance limits.

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

Soil samples for pesticides were run at 10x due to matrix.

Metals- ICP initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data were acceptable, however there was slight detections of Ca and Na in CCBs 1, 2 and 3. CCB3 showed a trace of Fe and Mg as well. The data are not affected. The data for these elements may be qualified with a B flag. Fe, Mg, Al, and Na were present in the ending CCB at slightly above the MDL.

CRI (detection limits) were within requirements

Interelement correction standards verified system performance as acceptable (ICS A and ICS AB)

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

The digestion blanks of batch 0414B showed slight detections of Fe, Al, Mg and Na. No further action is necessary.

All samples exhibited target metals within the linear range of the ICP, except for iron, which also caused signal suppression and required dilution of all samples at 10x.

Serial dilutions recovered within method limits.

Mercury-

Initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data was acceptable

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.





**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**SEMI-VOLATILES**

Date: 04/23/04 QB File IDs QBSV2042004A  
 Review Performed By: SW QB File IDs \_\_\_\_\_  
 Project No. 04040335 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria		Acceptable(Y/N)	Comments
	Cal. Method ID		
Initial Calibration	<u>BNA2M01</u>		
	DFTPP Criteria	<u>Y</u>	
	%RSD Avg	<u>Y</u>	
	CCC RSD	<u>Y</u>	
	SPCC Rf	<u>Y</u>	
Continuing Calibration	<u>E20372</u>		
	% Diff CCC	<u>Y</u>	
	SPCC Rf	<u>Y</u>	
DFTPP Criteria		<u>Y</u>	
Method Blank		<u>Y</u>	
Laboratory Control (LCS)		<u>Y</u>	
MS/MSD		<u>Y</u>	
Sample Data		<u>Y</u>	
	Internal Standards	<u>Y</u>	
	Surrogate Recoveries	<u>Y</u>	
	Linear ranges	<u>Y</u>	<u>Dilutions noted</u>

Additional Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_











**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**METALS (No Hg)**

Date: 04/23/04 QB File IDs QB1041404A  
 Review Performed By: SW QB File IDs \_\_\_\_\_  
 Project No. 04040335 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Initial Calibration		
ICV	Y	
ICB	Y	
LCS <u>P.097/D.036</u>	Y	
Continuing Calibration		
CCVs <u>CCV1, CCV2, CCV3</u>	Y	
CCBs <u>CCB1, CCB2, CCB</u>	N/N*/N**	Na + Ca over MDL
Ending QC	Y/N	Fe, Mg, Al, Na + Ca over MDL
Digestion Blank <u>04/14B</u>	N	Fe, Mg, Al, Na + Ca over MDL
Laboratory Control (LCS) <u>P.097/D.036</u>	Y	
Spike/Dups <u>335-03</u>	Y	
Sample Data	Y	
Linear ranges/Dil.	Y	

Additional Comments: \* Mg + Na over MDL  
\*\* - Fe, Mg, Al + Na over MDL  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



April 26, 2004

VIA E-MAIL

Enviroscience Consultants, Inc.  
Mr. Greg Menegio

*Re: Data Validation Summary for York Project No. 04040541*

Dear Greg:


Per your request, York has completed its data review in accordance with the NYSDEC Data Usability Summary Review (DUSR) methodology and the USEPA National Functional Guidelines for Organic and Inorganic Data Review.

The project is discussed below in terms of chain-of-custody, holding times, initial calibration, continuing calibration, method blanks, Laboratory control samples (LCS), surrogate recoveries (where applicable), matrix spike/matrix spike duplicate data, and internal standards (where applicable).

Based upon these reviews, all data was found to be acceptable.

Should you have any questions, feel free to contact me or Rich August at 203-325-1371.

Very truly yours,

  
Robert Q. Bradley  
Managing Director

cc: R. August

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**York Project No. 04040541**

This project consisted of nine(9) soil samples and two(2) aqueous samples. Parameters for the samples requested included volatiles(8260), semi-volatiles (BN only)(8270), pesticides/PCB(8081/8082) and TAL metals (total and dissolved) (6010 and 7471).

Chain-of-Custody- the field chain of custody and laboratory chains of custody were found to be complete and reflective of the samples and their handling from field through the analysis process.

Holding Times- the holding times for extraction, digestion and analysis were met for all samples and all fractions in this sample delivery group (SDG).

Volatiles- GC/MS Initial Calibration was found to be in compliance with tuning (BFB), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (BFB), %Diff and Rf criteria

Laboratory Control Samples (LCS) were within acceptance limits

Method Blanks were found to be in compliance

Internal Standards were found to be in compliance with criteria

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

No sample dilutions were necessary with the exception of samples MW-10A and MW-13B which required 10x dilutions due to matrix.

Semi-Volatiles-GC/MS Initial Calibration was found to be in compliance with tuning (DFTPP), RSD and Rf requirements.

GC/MS Continuing Calibrations were found to be in compliance with tuning (DFTPP), %Diff and Rf criteria

Method Blanks were found to be in compliance

Laboratory Control Samples (LCS) were within acceptance limits

Internal Standards were found to be in compliance with criteria with the exception of samples MW-10B, -11A, -12A, -12B, -13A, -13B, and BD-3/17 where the last internal standard, perylene-d12 was suppressed due to matrix. These samples were run at a 5x dilution and still exhibited suppression. All compounds quantitated under this internal standard may be biased high and flagged "J".

Surrogate recoveries were found to be within control limits where they were not diluted out. The following samples required dilutions which diluted out the surrogates: MW-10A and MW-13A.

Matrix spike/matrix spike duplicates were not site specific due to dilutions required which diluted out the MS/MSD compounds. Batch QC was used for this SDG and was within acceptance limits for recovery and RPD.

Samples that required dilution for analysis are listed as follows: MW-10A(100x due to targets), MW-13A (10x-matrix) and MW-11A, -12A, -12B, -13B, and BD-3/17—all 5x dilutions due to matrix.

Pesticides/PCB-GC Initial Calibration was found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

GC Continuing Calibrations were found to be in compliance with DDT/Endrin Breakdown and RSD requirements.

Method Blanks were found to be in compliance.

Laboratory Control Samples (LCS) were within acceptance limits.

Surrogate recoveries were found to be within control limits

Matrix spike/matrix spike duplicates were site specific and were within acceptance limits for recovery and RPD.

Sample results for target compounds were within calibration ranges.

Soil samples for pesticides were run at 10x due to matrix. The only PCB sample requiring a dilution was MW-12A which was run at a 10x dilution.

Metals-

ICP initial calibration was performed and verified by ICV data

ICB data was within requirements



CCV data was within method limits

CCB data were acceptable, however there was slight detections of Ca and Na in CCBs 1 and 2. The data for these elements may be qualified with a B flag. Al and Ca were present in the ending CCB at slightly above the MDL.

CRI (detection limits) were within requirements

Interelement correction standards verified system performance as acceptable (ICS A and ICS AB)

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

The digestion blanks of batch 0322A showed slight detections of Ca and Na. No further action is necessary.

All samples exhibited target metals within the linear range of the ICP, except for iron, which also caused signal suppression and required dilution of all samples at 10x.

Serial dilutions recovered within method limits.

Mercury-

Initial calibration was performed and verified by ICV data

ICB data was within requirements

CCV data was within method limits

CCB data was acceptable

Laboratory Control Samples (LCS) were within acceptance limits

Matrix spikes and duplicates were site specific and were within acceptance limits for recovery and RPD.

**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**VOLATILES**

Date: 04/23/04 QB File IDs QBV3032304A  
 Review Performed By: SW QB File IDs QBV3032304A-B  
 Project No. 04030541 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria	Acceptable(Y/N)	Comments
Cal. Method ID		
Initial Calibration		
		V3C56A V3C56B
BFB Criteria	Y	
%RSD Avg	Y	
CCC RSD	Y	
SPCC Rf	Y	
Continuing Calibration		
		V33177 V33178
% Diff CCC	Y	
SPCC Rf	Y	
BFB Criteria	Y	
Method Blank	Y	
Laboratory Control (LCS)	Y	
MS/MSD	Y	
		541-03
Sample Data	Y	
Internal Standards	Y	
Surrogate Recoveries	Y	
Linear ranges	Y	Dilutions noted

Additional Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**SEMI-VOLATILES**

Date: 04/23/04 QB File IDs QBSV1033104A  
 Review Performed By: SW QB File IDs QBSV1040104A  
 Project No. 04030541 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

QA/QC Criteria		Acceptable(Y/N)	Comments
	Cal. Method ID		
Initial Calibration	<u>TCLBNA37</u>		
	DFTPP Criteria	<u>Y</u>	
	%RSD Avg	<u>Y</u>	
	CCC RSD	<u>Y</u>	
	SPCC Rf	<u>Y</u>	
Continuing Calibration	<u>EX1091 EX1135</u>		
	% Diff CCC	<u>Y</u>	
	SPCC Rf	<u>Y</u>	
DFTPP Criteria		<u>Y</u>	
Method Blank		<u>Y</u>	
Laboratory Control (LCS)		<u>Y</u>	
MS/MSD		<u>Y</u>	<u>Batch QC used - spike diluted out w/ sample</u>
Sample Data		<u>Y</u>	
	Internal Standards	<u>Y</u>	<u>exceptions noted</u>
	Surrogate Recoveries	<u>Y</u>	<u>exceptions noted</u>
	Linear ranges	<u>Y</u>	<u>Dilutions noted</u>

QC  
541-03

Additional Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_













**York Analytical Laboratories, Inc.**  
**Internal Data Validation /DUSR Review Form**  
**METALS (No Hg)**

Date: 04/23/04 QB File IDs QBI032304A  
 Review Performed By: SW QB File IDs \_\_\_\_\_  
 Project No. 04030541 QB File IDs \_\_\_\_\_  
 Client: Enviroscience QB File IDs \_\_\_\_\_

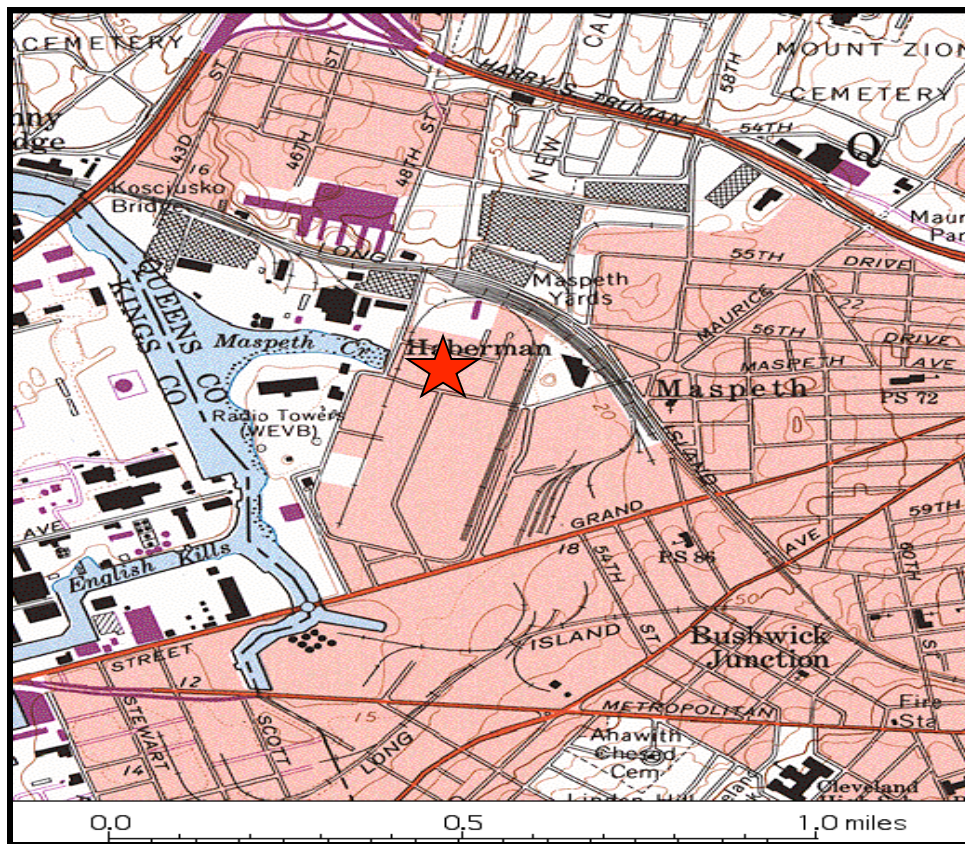
QA/QC Criteria	Acceptable(Y/N)	Comments
Initial Calibration		
ICV	Y	
ICB	Y	
LCS <u>D-036</u>	Y	
Continuing Calibration		
CCVs <u>CCV1 CCV2</u>	Y	
CCBs <u>CCB1 CCB2</u>	N/N	<u>Na + Ca over MDL</u>
Ending QC	Y/N	<u>Na over MDL</u>
Digestion Blank	N	<u>Na over MDL</u>
Laboratory Control (LCS)	Y	
Spike/Dups	Y	
Sample Data	Y	
Linear ranges/Dil.	Y	<u>samples run at 1:10 dilution due to Fe matrix</u>

Additional Comments: \_\_\_\_\_  
 \_\_\_\_\_  
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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



PHASE II  
Subsurface Investigation Report  
for the  
Former Maspeth Railroad Place Site  
57-15 49<sup>th</sup> Street  
Maspeth, New York

Volume II – Laboratory Reports



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Ronkonkoma, New York 11779  
(631) 580-3191  
[www.envirohealth.org](http://www.envirohealth.org)

May 2005

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**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Enviroscience Consultants, Inc.**  
33 Flying Point Rd., Suite 208  
Southampton, NY 11968  
Attention: Tracy Wall

Report Date: 7/19/2004  
*Re: Client Project ID: 57-15 49th St. Maspeth*  
York Project No.: 04070216

CT License No. PH-0723    New York License No. 10854    Mass. License No. M-CT106    Rhode Island License No. 93    NJ License No. CT401



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

Report Date: 7/19/2004  
 Client Project ID: 57-15 49th St. Maspeth  
 York Project No.: 04070216

**Enviroscience Consultants, Inc.**  
 33 Flying Point Rd., Suite 208  
 Southampton, NY 11968  
 Attention: Tracy Wall

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 07/08/04. The project was identified as your project "57-15 49th St. Maspeth".

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			SW-2	
York Sample ID			04070216-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Pesticides 8080 List water	SW846-3510C/8081	ug/L	---	---
4,4'-DDD			Not detected	0.05
4,4'-DDE			Not detected	0.05
4,4'-DDT			Not detected	0.05
Aldrin			Not detected	0.05
alpha-BHC			Not detected	0.05
beta-BHC			Not detected	0.05
Chlordane			Not detected	0.2
delta-BHC			Not detected	0.05
Dieldrin			Not detected	0.05
Endosulfan I			Not detected	0.05
Endosulfan II			Not detected	0.05
Endosulfan sulfate			Not detected	0.05
Endrin			Not detected	0.05
Endrin aldehyde			Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05
Heptachlor			Not detected	0.05

**YORK**

Client Sample ID			SW-2	
York Sample ID			04070216-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Heptachlor epoxide			Not detected	0.05
Methoxychlor			Not detected	0.2
Toxaphene			Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1
1,2-Dichloroethylene (Total)			10(cis-)	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			3 B	1
MTBE			1	1
Naphthalene			Not detected	1

**YORK**

Client Sample ID			SW-2	
York Sample ID			04070216-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			2	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			10	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1
<b>Base/Neutral Extractables water</b>	SW846-8270	ug/L	---	---
1,2,4-Trichlorobenzene			Not detected	10
1,2-Dichlorobenzene			Not detected	10
1,3-Dichlorobenzene			Not detected	10
1,4-Dichlorobenzene			Not detected	10
2,4-Dinitrotoluene			Not detected	10
2,6-Dinitrotoluene			Not detected	10
2-Chloronaphthalene			Not detected	10
2-Methylnaphthalene			Not detected	10
2-Nitroaniline			Not detected	10
3,3'-Dichlorobenzidine			Not detected	10
3-Nitroaniline			Not detected	10
4-Bromophenyl phenyl ether			Not detected	10
4-Chloroaniline			Not detected	10
4-Chlorophenyl phenyl ether			Not detected	10
4-Nitroaniline			Not detected	10
Acenaphthene			Not detected	10
Acenaphthylene			Not detected	10
Anthracene			Not detected	10
Benzo(a)anthracene			Not detected	10
Benzo(a)pyrene			Not detected	10
Benzo(b)fluoranthene			Not detected	10
Benzo(g,h,i)perylene			Not detected	10
Benzo(k)fluoranthene			Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10
Bis(2-chloroethyl)ether			Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10
Bis(2-ethylhexyl)phthalate			Not detected	10
Butyl benzyl phthalate			Not detected	10
Carbazole			Not detected	10
Chrysene			Not detected	10
Dibenzo(a,h)anthracene			Not detected	10
Dibenzofuran			Not detected	10
Diethylphthalate			Not detected	10
Dimethylphthalate			Not detected	10
Di-n-butylphthalate			Not detected	10
Di-n-octylphthalate			Not detected	10

**YORK**



Client Sample ID			SW-2	
York Sample ID			04070216-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Fluoranthene			Not detected	10
Fluorene			Not detected	10
Hexachlorobenzene			Not detected	10
Hexachlorobutadiene			Not detected	10
Hexachlorocyclopentadiene			Not detected	10
Hexachloroethane			Not detected	10
Indeno(1,2,3-cd)pyrene			Not detected	10
Isophorone			Not detected	10
Naphthalene			Not detected	10
Nitrobenzene			Not detected	10
N-Nitrosodi-n-propylamine			Not detected	10
N-Nitrosodiphenylamine			Not detected	10
Phenanthrene			Not detected	10
Pyrene			Not detected	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---
PCB 1016			Not detected	0.2
PCB 1221			Not detected	0.2
PCB 1232			Not detected	0.2
PCB 1242			Not detected	0.2
PCB 1248			Not detected	0.2
PCB 1254			Not detected	0.2
PCB 1260			Not detected	0.2
PCB, Total			Not detected	0.2
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---
Aluminum			289	5.0
Antimony			Not detected	5.0
Arsenic			Not detected	10.0
Barium			66.9	10.0
Beryllium			Not detected	1.0
Cadmium			Not detected	3.0
Calcium			185	20.0
Chromium			Not detected	5.0
Cobalt			Not detected	5.0
Copper			26.8	5.0
Iron			726	5.0
Lead			12.5	3.0
Magnesium			365000	10.0
Manganese			71.9	5.0
Nickel			Not detected	5.0
Potassium			175000	30.0
Selenium			Not detected	10.0
Silver			Not detected	5.0
Sodium			3020000	50.0
Thallium			Not detected	10.0
Vanadium			Not detected	10.0
Zinc			86.8	20.0
Mercury	SW846-7470	mg/L	Not detected	0.0002

**YORK**

Client Sample ID			TB-7/7	
York Sample ID			04070216-02	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			3 B	1
MTBE			Not detected	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1

**YORK**

Client Sample ID			TB-7/7	
York Sample ID			04070216-02	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1

Client Sample ID			EB-7/7	
York Sample ID			04070216-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---
4,4'-DDD			Not detected	0.05
4,4'-DDE			Not detected	0.05
4,4'-DDT			Not detected	0.05
Aldrin			Not detected	0.05
alpha-BHC			Not detected	0.05
beta-BHC			Not detected	0.05
Chlordane			Not detected	0.2
delta-BHC			Not detected	0.05
Dieldrin			Not detected	0.05
Endosulfan I			Not detected	0.05
Endosulfan II			Not detected	0.05
Endosulfan sulfate			Not detected	0.05
Endrin			Not detected	0.05
Endrin aldehyde			Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05
Heptachlor			Not detected	0.05
Heptachlor epoxide			Not detected	0.05
Methoxychlor			Not detected	0.2
Toxaphene			Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1

**YORK**

Client Sample ID			EB-7/7	
York Sample ID			04070216-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			3 B	1
MTBE			Not detected	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1

**YORK**

Client Sample ID			EB-7/7	
York Sample ID			04070216-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Base/Neutral Extractables water	SW846-8270	ug/L	---	---
1,2,4-Trichlorobenzene			Not detected	10
1,2-Dichlorobenzene			Not detected	10
1,3-Dichlorobenzene			Not detected	10
1,4-Dichlorobenzene			Not detected	10
2,4-Dinitrotoluene			Not detected	10
2,6-Dinitrotoluene			Not detected	10
2-Chloronaphthalene			Not detected	10
2-Methylnaphthalene			Not detected	10
2-Nitroaniline			Not detected	10
3,3'-Dichlorobenzidine			Not detected	10
3-Nitroaniline			Not detected	10
4-Bromophenyl phenyl ether			Not detected	10
4-Chloroaniline			Not detected	10
4-Chlorophenyl phenyl ether			Not detected	10
4-Nitroaniline			Not detected	10
Acenaphthene			Not detected	10
Acenaphthylene			Not detected	10
Anthracene			Not detected	10
Benzo(a)anthracene			Not detected	10
Benzo(a)pyrene			Not detected	10
Benzo(b)fluoranthene			Not detected	10
Benzo(g,h,i)perylene			Not detected	10
Benzo(k)fluoranthene			Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10
Bis(2-chloroethyl)ether			Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10
Bis(2-ethylhexyl)phthalate			Not detected	10
Butyl benzyl phthalate			Not detected	10
Carbazole			Not detected	10
Chrysene			Not detected	10
Dibenzo(a,h)anthracene			Not detected	10
Dibenzofuran			Not detected	10
Diethylphthalate			Not detected	10
Dimethylphthalate			Not detected	10
Di-n-butylphthalate			Not detected	10
Di-n-octylphthalate			Not detected	10
Fluoranthene			Not detected	10
Fluorene			Not detected	10
Hexachlorobenzene			Not detected	10
Hexachlorobutadiene			Not detected	10
Hexachlorocyclopentadiene			Not detected	10
Hexachloroethane			Not detected	10
Indeno(1,2,3-cd)pyrene			Not detected	10
Isophorone			Not detected	10
Naphthalene			Not detected	10
Nitrobenzene			Not detected	10
N-Nitrosodi-n-propylamine			Not detected	10
N-Nitrosodiphenylamine			Not detected	10
Phenanthrene			Not detected	10
Pyrene			Not detected	10

**YORK**

<b>Client Sample ID</b>			<b>EB-7/7</b>	
<b>York Sample ID</b>			<b>04070216-03</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---
PCB 1016			Not detected	0.2
PCB 1221			Not detected	0.2
PCB 1232			Not detected	0.2
PCB 1242			Not detected	0.2
PCB 1248			Not detected	0.2
PCB 1254			Not detected	0.2
PCB 1260			Not detected	0.2
PCB, Total			Not detected	0.2
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---
Aluminum			21.1	5.0
Antimony			Not detected	5.0
Arsenic			Not detected	10.0
Barium			Not detected	10.0
Beryllium			Not detected	1.0
Cadmium			Not detected	3.0
Calcium			26.5	20.0
Chromium			Not detected	5.0
Cobalt			Not detected	5.0
Copper			Not detected	5.0
Iron			Not detected	5.0
Lead			Not detected	3.0
Magnesium			Not detected	10.0
Manganese			Not detected	5.0
Nickel			Not detected	5.0
Potassium			Not detected	30.0
Selenium			Not detected	10.0
Silver			Not detected	5.0
Sodium			881	50.0
Thallium			Not detected	10.0
Vanadium			Not detected	10.0
Zinc			Not detected	20.0
Mercury	SW846-7470	mg/L	Not detected	0.0002

**Units Key:**

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

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

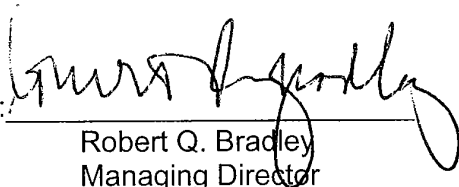
**YORK**

Report Date: 7/19/2004  
Client Project ID: 57-15 49th St. Maspeth  
York Project No.: 04070216

**Notes for York Project No. 04070216**

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.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:



Robert Q. Bradley  
Managing Director

Date: 7/19/2004

**YORK**

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# **YORK**

**ANALYTICAL LABORATORIES, INC.**

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## **Definitions for FLAGS used as a Results Suffix**

Flags are sometimes used on results to indicate certain occurrences during the analysis process. The most common flags used by York are defined below.

### **FLAG**

### **DEFINITION**

- J** J indicates an estimated value. This flag applies to Tentatively Identified Compounds or, when requested, for a target compound whose result is less than the reporting limit but whose mass spectral data meet identification criteria. For example if the reporting limit is listed as 10 ppb and the analysis shows 3 ppb, the result can be reported as 3 J. The client must request the use of J flags for the laboratory to report such flags.
- B** B indicates that the analyte was also found in the associated batch method blank. This flag indicates possible/probable blank contamination and warns the data user to be aware. This mostly applies to the volatiles acetone and methylene chloride and the semi-volatiles bis-(2-ethylhexyl) phthalate and other phthalates.
- E** This flag is used to indicate that the reported concentration of an analyte exceeded the calibration range of the analytical system. In this case the result reported is treated as a minimum value. This often applies where clients request an additional analyte after sample analysis, such as acetone, where the initial analysis did not require dilution since acetone was not a target compound. This flag will also apply if after numerous dilutions a specific target compound would significantly dilute out all other targets.



# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

04070216

<b>Company Name</b> Enviroscience Consultants, Inc.	<b>Report To:</b> Tracywell	<b>Invoice To:</b> Same	<b>Project ID/No.</b> 57-15 49 <sup>th</sup> St. Maspeth	<b>Samples Collected By (Signature)</b> Tracywell	<b>Name (Printed)</b> Tracywell
---	--------------------------------	----------------------------	---	--	------------------------------------

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
1	SW-2	7/7/04	X			VOCs, SVOCs (PAHs & BNS ONLY), Pesticides, PCBs, Total TAL Metals	4-1L Amber/none 2-40ml/HCL 1-250ml/N.Hic
2	TB-7/7	↓	↓			VOCs ONLY	2-40ml/HCL
3	EB-7/7	↓	↓			VOCs, SVOCs (PAHs & BNS ONLY), Pesticides, PCBs, Total TAL Metals	4-1L Amber/none 2-40ml/HCL 1-250ml/N.Hic

<b>Chain-of-Custody Record</b>	<b>Sample Relinquished by</b> Pheno chwendt Date/Time 7/8/04 11.15	<b>Sample Received by</b> W. James Date/Time 7/8 1115
<b>Bottles Relinquished from Lab by</b> Jagabell Date/Time 7/7/04	<b>Sample Relinquished by</b> Pheno chwendt Date/Time 7/8/04 11.15	<b>Sample Received in LAB by</b> W. James Date/Time 7/8 1115

**Comments/Special Instructions**  
 NYSDC CAT B Deliverables

**Turn-Around Time**  
 Standard  RUSH(define)

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Report Date: 12/22/2003

***Re: Client Project ID: DEP/Water Start SDG 2/57-15 49<sup>th</sup> Street***  
York Project No.: 03120259

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STAMFORD, CT 06906

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Page 1 of 27

NC-NYCDEP-00000334

Report Date: 12/22/2003  
 Client Project ID: DEP/Water Start SDG 2 /57-15 49<sup>th</sup> Street  
 York Project No.: 03120259

**Enviroscience Consultants, Inc.**  
 33 Flying Point Road  
 Suite 208  
 Southhampton, NY 11968  
 Attention: Greg Menegio

## 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 12/05/03. The project was identified as your project "DEP/Water Start SDG 2/57-15 49<sup>th</sup> Street."

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			TB-12/4	
York Sample ID			03120259-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1

**YORK**

Client Sample ID			TB-12/4	
York Sample ID			03120259-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			1	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1

**YORK**

Client Sample ID			MW-6		MW-7	
York Sample ID			03120259-02		03120259-03	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---	---	---
4,4'-DDD			Not detected	0.05	Not detected	0.05
4,4'-DDE			Not detected	0.05	Not detected	0.05
4,4'-DDT			Not detected	0.05	Not detected	0.05
Aldrin			Not detected	0.05	Not detected	0.05
alpha-BHC			Not detected	0.05	Not detected	0.05
beta-BHC			Not detected	0.05	Not detected	0.05
Chlordane			Not detected	0.2	Not detected	0.2
delta-BHC			Not detected	0.05	Not detected	0.05
Dieldrin			Not detected	0.05	Not detected	0.05
Endosulfan I			Not detected	0.05	Not detected	0.05
Endosulfan II			Not detected	0.05	Not detected	0.05
Endosulfan sulfate			Not detected	0.05	Not detected	0.05
Endrin			Not detected	0.05	Not detected	0.05
Endrin aldehyde			Not detected	0.05	Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05	Not detected	0.05
Heptachlor			Not detected	0.05	Not detected	0.05
Heptachlor epoxide			Not detected	0.05	Not detected	0.05
Methoxychlor			Not detected	0.2	Not detected	0.2
Toxaphene			Not detected	2.0	Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			5	1	2	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			3	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1

**YORK**

Client Sample ID			MW-6		MW-7	
York Sample ID			03120259-02		03120259-03	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	4	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	2 B	1
n-Butylbenzene			Not detected	1	2	1
n-Propylbenzene			Not detected	1	5	1
o-Xylene			5	1	Not detected	1
p- & m-Xylenes			10	1	Not detected	1
p-Isopropyltoluene			53	1	Not detected	1
sec-Butylbenzene			Not detected	1	3	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	10	7 J	20
Acenaphthylene			Not detected	10	Not detected	20
Anthracene			Not detected	10	Not detected	20
Benzo[a]anthracene			Not detected	10	Not detected	20
Benzo[a]pyrene			Not detected	10	Not detected	20
Benzo[b]fluoranthene			Not detected	10	Not detected	20
Benzo[g,h,i]perylene			Not detected	10	Not detected	20
Benzo[k]fluoranthene			Not detected	10	Not detected	20
Chrysene			Not detected	10	Not detected	20
Dibenz[a,h]anthracene			Not detected	10	Not detected	20
Fluoranthene			Not detected	10	Not detected	20
Fluorene			Not detected	10	11 J	20
Indeno[1,2,3-cd]pyrene			Not detected	10	Not detected	20
Naphthalene			Not detected	10	6 J	20
Phenanthrene			Not detected	10	16 J	20
Pyrene			2 J	10	5 J	20
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---	---	---
PCB 1016			Not detected	0.2	Not detected	0.2
PCB 1221			Not detected	0.2	Not detected	0.2
PCB 1232			Not detected	0.2	Not detected	0.2

**YORK**

Client Sample ID			MW-6		MW-7	
York Sample ID			03120259-02		03120259-03	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1242			Not detected	0.2	Not detected	0.2
PCB 1248			Not detected	0.2	Not detected	0.2
PCB 1254			Not detected	0.2	Not detected	0.2
PCB 1260			Not detected	0.2	Not detected	0.2
PCB, Total			Not detected	0.2	Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			253	5.0	309	5.0
Antimony			Not detected	5.0	Not detected	5.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			138	10.0	309	10.0
Beryllium			Not detected	1.0	Not detected	1.0
Cadmium			Not detected	3.0	Not detected	3.0
Calcium			94700	20.0	136000	20.0
Chromium			Not detected	5.0	Not detected	5.0
Cobalt			Not detected	5.0	55.4	5.0
Copper			Not detected	5.0	13.3	5.0
Iron			173	5.0	1030	5.0
Lead			4.2	3.0	43.8	3.0
Magnesium			26400	10.0	27700	10.0
Manganese			287	5.0	415	5.0
Nickel			Not detected	5.0	12.0	5.0
Potassium			15300	30.0	11700	30.0
Selenium			Not detected	10.0	11.8	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			108000	50.0	78300	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			Not detected	10.0	Not detected	10.0
Zinc			Not detected	20.0	293	20.0
Mercury, Dissolved	SW-846-7470	mg/L	Not detected	0.0002	Not detected	0.0002
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			31900	5.0	34500	5.0
Antimony			Not detected	5.0	10.9	5.0
Arsenic			Not detected	10.0	35.5	10.0
Barium			1420	10.0	1740	10.0
Beryllium			1.8	1.0	Not detected	1.0
Cadmium			4.7	3.0	3.3	3.0
Calcium			211000	20.0	300000	20.0
Chromium			142	5.0	329	5.0
Cobalt			212	5.0	1350	5.0
Copper			159	5.0	580	5.0
Iron			120000	5.0	218000	5.0
Lead			215	3.0	5800	3.0
Magnesium			43800	10.0	41000	10.0
Manganese			3320	5.0	2270	5.0
Nickel			87.9	5.0	148	5.0
Potassium			20000	30.0	15600	30.0
Selenium			28.5	10.0	46.6	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			120000	50.0	133000	50.0
Thallium			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			MW-6		MW-7	
York Sample ID			03120259-02		03120259-03	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Vanadium			154	10.0	134	10.0
Zinc			7340	20.0	36600	20.0
Mercury	SW846-7470	mg/L	0.0016	0.0002	Not detected	0.0002

Client Sample ID			MW-5		DW-1	
York Sample ID			03120259-04		03120259-05	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides 8080 List water	SW846-3510C/8081	ug/L	---	---	---	---
4,4'-DDD			Not detected	0.05	Not detected	0.05
4,4'-DDE			Not detected	0.05	Not detected	0.05
4,4'-DDT			Not detected	0.05	Not detected	0.05
Aldrin			Not detected	0.05	Not detected	0.05
alpha-BHC			Not detected	0.05	Not detected	0.05
beta-BHC			Not detected	0.05	Not detected	0.05
Chlordane			Not detected	0.2	Not detected	0.2
delta-BHC			Not detected	0.05	Not detected	0.05
Dieldrin			Not detected	0.05	Not detected	0.05
Endosulfan I			Not detected	0.05	Not detected	0.05
Endosulfan II			Not detected	0.05	Not detected	0.05
Endosulfan sulfate			Not detected	0.05	Not detected	0.05
Endrin			Not detected	0.05	Not detected	0.05
Endrin aldehyde			Not detected	0.05	Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05	Not detected	0.05
Heptachlor			Not detected	0.05	Not detected	0.05
Heptachlor epoxide			Not detected	0.05	Not detected	0.05
Methoxychlor			Not detected	0.2	Not detected	0.2
Toxaphene			Not detected	2.0	Not detected	2.0
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1

**YORK**



Client Sample ID			MW-5		DW-1	
York Sample ID			03120259-04		03120259-05	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	10	Not detected	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10
Benzo[a]anthracene			Not detected	10	Not detected	10
Benzo[a]pyrene			Not detected	10	Not detected	10
Benzo[b]fluoranthene			Not detected	10	Not detected	10
Benzo[g,h,i]perylene			Not detected	10	Not detected	10
Benzo[k]fluoranthene			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenz[a,h]anthracene			Not detected	10	Not detected	10

**YORK**

Client Sample ID			MW-5		DW-1	
York Sample ID			03120259-04		03120259-05	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Fluoranthene			Not detected	10	Not detected	10
Fluorene			Not detected	10	Not detected	10
Indeno[1,2,3-cd]pyrene			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
Phenanthrene			2 J	10	Not detected	10
Pyrene			Not detected	10	Not detected	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---	---	---
PCB 1016			Not detected	0.2	Not detected	0.2
PCB 1221			Not detected	0.2	Not detected	0.2
PCB 1232			Not detected	0.2	Not detected	0.2
PCB 1242			Not detected	0.2	Not detected	0.2
PCB 1248			Not detected	0.2	Not detected	0.2
PCB 1254			Not detected	0.2	Not detected	0.2
PCB 1260			Not detected	0.2	Not detected	0.2
PCB, Total			Not detected	0.2	Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			374	5.0	533	5.0
Antimony			15.0	5.0	Not detected	5.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			135	10.0	67.5	10.0
Beryllium			Not detected	1.0	Not detected	1.0
Cadmium			Not detected	3.0	Not detected	3.0
Calcium			76200	20.0	67500	20.0
Chromium			Not detected	5.0	Not detected	5.0
Cobalt			8.1	5.0	Not detected	5.0
Copper			23.1	5.0	6.4	5.0
Iron			286	5.0	367	5.0
Lead			54.0	3.0	13.5	3.0
Magnesium			14000	10.0	31000	10.0
Manganese			748	5.0	1260	5.0
Nickel			6.7	5.0	Not detected	5.0
Potassium			6660	30.0	4690	30.0
Selenium			Not detected	10.0	Not detected	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			69200	50.0	110000	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			Not detected	10.0	Not detected	10.0
Zinc			76.1	20.0	30.4	20.0
Mercury, Dissolved	SW-846-7470	mg/L	Not detected	0.0002	Not detected	0.0002
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			69700	5.0	6620	5.0
Antimony			153	5.0	Not detected	5.0
Arsenic			320	10.0	Not detected	10.0
Barium			3370	10.0	330	10.0
Beryllium			1.3	1.0	Not detected	1.0
Cadmium			65.0	3.0	Not detected	3.0
Calcium			1320000	20.0	86400	20.0
Chromium			243	5.0	15.2	5.0
Cobalt			647	5.0	15.6	5.0
Copper			16300	5.0	117	5.0

**YORK**

Client Sample ID			MW-5		DW-1	
York Sample ID			03120259-04		03120259-05	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Iron			127000	5.0	6680	5.0
Lead			53000	3.0	829	3.0
Magnesium			67500	10.0	34600	10.0
Manganese			11400	5.0	2950	5.0
Nickel			397	5.0	24.4	5.0
Potassium			23000	30.0	6530	30.0
Selenium			63.6	10.0	Not detected	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			115000	50.0	112000	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			326	10.0	28.9	10.0
Zinc			21100	20.0	425	20.0
Mercury	SW846-7470	mg/L	0.0093	0.0002	0.0116	0.0002

Client Sample ID			MW-2-1998		MW-3-1998	
York Sample ID			03120259-06		03120259-07	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---	---	---
4,4'-DDD			Not detected	0.05	Not detected	0.05
4,4'-DDE			Not detected	0.05	Not detected	0.05
4,4'-DDT			Not detected	0.05	0.11	0.05
Aldrin			Not detected	0.05	Not detected	0.05
alpha-BHC			Not detected	0.05	Not detected	0.05
beta-BHC			Not detected	0.05	Not detected	0.05
Chlordane			Not detected	0.2	Not detected	0.2
delta-BHC			Not detected	0.05	Not detected	0.05
Dieldrin			Not detected	0.05	Not detected	0.05
Endosulfan I			Not detected	0.05	Not detected	0.05
Endosulfan II			Not detected	0.05	Not detected	0.05
Endosulfan sulfate			Not detected	0.05	Not detected	0.05
Endrin			Not detected	0.05	Not detected	0.05
Endrin aldehyde			Not detected	0.05	Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05	Not detected	0.05
Heptachlor			Not detected	0.05	Not detected	0.05
Heptachlor epoxide			Not detected	0.05	Not detected	0.05
Methoxychlor			Not detected	0.2	Not detected	0.2
Toxaphene			Not detected	2.0	Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1

**YORK**

Client Sample ID			MW-2-1998		MW-3-1998	
York Sample ID			03120259-06		03120259-07	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

**YORK**

Client Sample ID			MW-2-1998		MW-3-1998	
York Sample ID			03120259-06		03120259-07	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	10	Not detected	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10
Benzo[a]anthracene			Not detected	10	Not detected	10
Benzo[a]pyrene			Not detected	10	Not detected	10
Benzo[b]fluoranthene			Not detected	10	Not detected	10
Benzo[g,h,i]perylene			Not detected	10	Not detected	10
Benzo[k]fluoranthene			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenz[a,h]anthracene			Not detected	10	Not detected	10
Fluoranthene			Not detected	10	Not detected	10
Fluorene			Not detected	10	Not detected	10
Indeno[1,2,3-cd]pyrene			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
Phenanthrene			Not detected	10	Not detected	10
Pyrene			2 J	10	Not detected	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---	---	---
PCB 1016			Not detected	0.2	Not detected	0.2
PCB 1221			Not detected	0.2	Not detected	0.2
PCB 1232			Not detected	0.2	Not detected	0.2
PCB 1242			Not detected	0.2	Not detected	0.2
PCB 1248			Not detected	0.2	Not detected	0.2
PCB 1254			Not detected	0.2	Not detected	0.2
PCB 1260			Not detected	0.2	Not detected	0.2
PCB, Total			Not detected	0.2	Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			384	5.0	62.9	5.0
Antimony			Not detected	5.0	Not detected	5.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			91.2	10.0	60.4	10.0
Beryllium			Not detected	1.0	Not detected	1.0
Cadmium			Not detected	3.0	Not detected	3.0
Calcium			37000	20.0	107000	20.0
Chromium			Not detected	5.0	Not detected	5.0
Cobalt			Not detected	5.0	40.7	5.0
Copper			7.2	5.0	12.3	5.0
Iron			275	5.0	316	5.0
Lead			62.8	3.0	5.2	3.0
Magnesium			6840	10.0	40600	10.0
Manganese			264	5.0	492	5.0
Nickel			Not detected	5.0	Not detected	5.0
Potassium			2430	30.0	9040	30.0
Selenium			Not detected	10.0	Not detected	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			24700	50.0	75800	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			Not detected	10.0	Not detected	10.0
Zinc			24.6	20.0	205	20.0
Mercury, Dissolved	SW-846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

**YORK**

Client Sample ID			MW-2-1998		MW-3-1998	
York Sample ID			03120259-06		03120259-07	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			4120	5.0	1030	5.0
Antimony			Not detected	5.0	Not detected	5.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			204	10.0	129	10.0
Beryllium			Not detected	1.0	Not detected	1.0
Cadmium			4.1	3.0	Not detected	3.0
Calcium			39900	20.0	109000	20.0
Chromium			10.9	5.0	7.9	5.0
Cobalt			6.0	5.0	51.9	5.0
Copper			177	5.0	113	5.0
Iron			6030	5.0	12400	5.0
Lead			2160	3.0	114	3.0
Magnesium			7680	10.0	41400	10.0
Manganese			324	5.0	614	5.0
Nickel			17.1	5.0	5.9	5.0
Potassium			2480	30.0	9290	30.0
Selenium			Not detected	10.0	Not detected	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			16000	50.0	75400	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			45.3	10.0	14.4	10.0
Zinc			819	20.0	442	20.0
Mercury	SW846-7470	mg/L	0.0024	0.0002	Not detected	0.0002

Client Sample ID			DW-2	
York Sample ID			03120259-08	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---
4,4'-DDD			Not detected	0.05
4,4'-DDE			Not detected	0.05
4,4'-DDT			Not detected	0.05
Aldrin			Not detected	0.05
alpha-BHC			Not detected	0.05
beta-BHC			Not detected	0.05
Chlordane			Not detected	0.2
delta-BHC			Not detected	0.05
Dieldrin			Not detected	0.05
Endosulfan I			Not detected	0.05
Endosulfan II			Not detected	0.05
Endosulfan sulfate			Not detected	0.05
Endrin			Not detected	0.05
Endrin aldehyde			Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05
Heptachlor			Not detected	0.05
Heptachlor epoxide			Not detected	0.05
Methoxychlor			Not detected	0.2
Toxaphene			Not detected	2.0

**YORK**

<b>Client Sample ID</b>			<b>DW-2</b>	
<b>York Sample ID</b>			<b>03120259-08</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			Not detected	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1

**YORK**

<b>Client Sample ID</b>			<b>DW-2</b>	
<b>York Sample ID</b>			<b>03120259-08</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	<b>SW846-8270</b>	<b>ug/L</b>	<b>---</b>	<b>---</b>
Acenaphthene			Not detected	10
Acenaphthylene			Not detected	10
Anthracene			Not detected	10
Benzo[a]anthracene			Not detected	10
Benzo[a]pyrene			Not detected	10
Benzo[b]fluoranthene			Not detected	10
Benzo[g,h,i]perylene			Not detected	10
Benzo[k]fluoranthene			Not detected	10
Chrysene			Not detected	10
Dibenz[a,h]anthracene			Not detected	10
Fluoranthene			Not detected	10
Fluorene			Not detected	10
Indeno[1,2,3-cd]pyrene			Not detected	10
Naphthalene			Not detected	10
Phenanthrene			Not detected	10
Pyrene			Not detected	10
<b>PCB</b>	<b>SW846-3510C/8082</b>	<b>ug/L</b>	<b>---</b>	<b>---</b>
PCB 1016			Not detected	0.2
PCB 1221			Not detected	0.2
PCB 1232			Not detected	0.2
PCB 1242			Not detected	0.2
PCB 1248			Not detected	0.2
PCB 1254			Not detected	0.2
PCB 1260			Not detected	0.2
PCB, Total			Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	<b>SW846-6010</b>	<b>ug/L</b>	<b>---</b>	<b>---</b>
Aluminum			170	5.0
Antimony			Not detected	5.0
Arsenic			Not detected	10.0
Barium			54.6	10.0
Beryllium			Not detected	1.0
Cadmium			Not detected	3.0
Calcium			122000	20.0
Chromium			5.0	5.0
Cobalt			9.7	5.0
Copper			5.3	5.0
Iron			121	5.0
Lead			5.2	3.0
Magnesium			56200	10.0
Manganese			147	5.0

**YORK**



Client Sample ID			DW-2	
York Sample ID			03120259-08	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Nickel			Not detected	5.0
Potassium			3760	30.0
Selenium			16.7	10.0
Silver			Not detected	5.0
Sodium			22600	50.0
Thallium			Not detected	10.0
Vanadium			Not detected	10.0
Zinc			164	20.0
Mercury, Dissolved	SW-846-7470	mg/L	Not detected	0.0002
Metals, Target Analyte List(TAL)	SW846-6010	ug/L	---	---
Aluminum			7070	5.0
Antimony			Not detected	5.0
Arsenic			Not detected	10.0
Barium			229	10.0
Beryllium			Not detected	1.0
Cadmium			Not detected	3.0
Calcium			125000	20.0
Chromium			24.0	5.0
Cobalt			35.3	5.0
Copper			124	5.0
Iron			13800	5.0
Lead			156	3.0
Magnesium			58500	10.0
Manganese			2100	5.0
Nickel			19.9	5.0
Potassium			5330	30.0
Selenium			17.9	10.0
Silver			Not detected	5.0
Sodium			23400	50.0
Thallium			Not detected	10.0
Vanadium			27.7	10.0
Zinc			724	20.0
Mercury	SW846-7470	mg/L	Not detected	0.0002

Client Sample ID			MW-8	
York Sample ID			03120259-09	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Pesticides 8080 List water	SW846-3510C/8081	ug/L	---	---
4,4'-DDD			Not detected	0.05
4,4'-DDE			Not detected	0.05
4,4'-DDT			Not detected	0.05
Aldrin			Not detected	0.05
alpha-BHC			Not detected	0.05
beta-BHC			Not detected	0.05
Chlordane			Not detected	0.2
delta-BHC			Not detected	0.05
Dieldrin			Not detected	0.05
Endosulfan I			Not detected	0.05

**YORK**

<b>Client Sample ID</b>			<b>MW-8</b>	
<b>York Sample ID</b>			<b>03120259-09</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Endosulfan II			Not detected	0.05
Endosulfan sulfate			Not detected	0.05
Endrin			Not detected	0.05
Endrin aldehyde			Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05
Heptachlor			Not detected	0.05
Heptachlor epoxide			Not detected	0.05
Methoxychlor			Not detected	0.2
Toxaphene			Not detected	2.0
<b>Volatiles-8260 list</b>	<b>SW846-8260</b>	<b>ug/L</b>	<b>---</b>	<b>---</b>
1,1,1,2-Tetrachloroethane			Not detected	2.0
1,1,1-Trichloroethane			Not detected	2.0
1,1,2,2-Tetrachloroethane			Not detected	2.0
1,1,2-Trichloroethane			Not detected	2.0
1,1-Dichloroethane			Not detected	2.0
1,1-Dichloroethylene			Not detected	2.0
1,1-Dichloropropylene			Not detected	2.0
1,2,3-Trichlorobenzene			Not detected	2.0
1,2,3-Trichloropropane			Not detected	2.0
1,2,3-Trimethylbenzene			Not detected	2.0
1,2,4-Trichlorobenzene			Not detected	2.0
1,2,4-Trimethylbenzene			Not detected	2.0
1,2-Dibromo-3-chloropropane			Not detected	2.0
1,2-Dibromoethane			Not detected	2.0
1,2-Dichlorobenzene			Not detected	2.0
1,2-Dichloroethane			Not detected	2.0
1,2-Dichloroethylene (Total)			Not detected	2.0
1,2-Dichloropropane			Not detected	2.0
1,3,5-Trimethylbenzene			Not detected	2.0
1,3-Dichlorobenzene			Not detected	2.0
1,3-Dichloropropane			Not detected	2.0
1,4-Dichlorobenzene			Not detected	2.0
1-Chlorohexane			Not detected	2.0
2,2-Dichloropropane			Not detected	2.0
2-Chlorotoluene			Not detected	2.0
4-Chlorotoluene			Not detected	2.0
Benzene			Not detected	2.0
Bromobenzene			Not detected	2.0
Bromochloromethane			Not detected	2.0
Bromodichloromethane			Not detected	2.0
Bromoform			Not detected	2.0
Bromomethane			Not detected	2.0
Carbon tetrachloride			Not detected	2.0
Chlorobenzene			Not detected	2.0
Chloroethane			Not detected	2.0
Chloroform			Not detected	2.0
Chloromethane			Not detected	2.0
cis-1,3-Dichloropropylene			Not detected	2.0
Dibromochloromethane			Not detected	2.0
Dibromomethane			Not detected	2.0
Dichlorodifluoromethane			Not detected	2.0

**YORK**

Client Sample ID			MW-8	
York Sample ID			03120259-09	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Ethylbenzene			Not detected	2.0
Hexachlorobutadiene			Not detected	2.0
Isopropylbenzene			Not detected	2.0
Methylene chloride			Not detected	2.0
Naphthalene			240 B	2.0
n-Butylbenzene			Not detected	2.0
n-Propylbenzene			Not detected	2.0
o-Xylene			Not detected	2.0
p- & m-Xylenes			Not detected	2.0
p-Isopropyltoluene			26	2.0
sec-Butylbenzene			Not detected	2.0
Styrene			Not detected	2.0
tert-Butylbenzene			Not detected	2.0
Tetrachloroethylene			Not detected	2.0
Toluene			Not detected	2.0
trans-1,3-Dichloropropylene			Not detected	2.0
Trichloroethylene			Not detected	2.0
Trichlorofluoromethane			Not detected	2.0
Vinyl chloride			Not detected	2.0
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---
Acenaphthene			25	10
Acenaphthylene			Not detected	10
Anthracene			16	10
Benzo[a]anthracene			10	10
Benzo[a]pyrene			8 J	10
Benzo[b]fluoranthene			6 J	10
Benzo[g,h,i]perylene			Not detected	10
Benzo[k]fluoranthene			6 J	10
Chrysene			11	10
Dibenz[a,h]anthracene			Not detected	10
Fluoranthene			29	10
Fluorene			27	10
Indeno[1,2,3-cd]pyrene			Not detected	10
Naphthalene			5 J	10
Phenanthrene			41	10
Pyrene			26	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---
PCB 1016			Not detected	0.2
PCB 1221			Not detected	0.2
PCB 1232			Not detected	0.2
PCB 1242			Not detected	0.2
PCB 1248			Not detected	0.2
PCB 1254			Not detected	0.2
PCB 1260			Not detected	0.2
PCB, Total			Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---
Aluminum			2750	5.0
Antimony			Not detected	5.0
Arsenic			10.8	10.0
Barium			100	10.0
Beryllium			Not detected	1.0

**YORK**

<b>Client Sample ID</b>			<b>MW-8</b>	
<b>York Sample ID</b>			<b>03120259-09</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Cadmium			32600	3.0
Calcium			Not detected	20.0
Chromium			Not detected	5.0
Cobalt			Not detected	5.0
Copper			19.0	5.0
Iron			1190	5.0
Lead			55.9	3.0
Magnesium			13400	10.0
Manganese			347	5.0
Nickel			Not detected	5.0
Potassium			26900	30.0
Selenium			Not detected	10.0
Silver			Not detected	5.0
Sodium			289000	50.0
Thallium			Not detected	10.0
Vanadium			Not detected	10.0
Zinc			52.0	20.0
Mercury, Dissolved	SW-846-7470	mg/L	0.0006	0.0002
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---
Aluminum			131000	5.0
Antimony			Not detected	5.0
Arsenic			40.1	10.0
Barium			5560	10.0
Beryllium			8.0	1.0
Cadmium			4.5	3.0
Calcium			553000	20.0
Chromium			209	5.0
Cobalt			83.7	5.0
Copper			Not detected	5.0
Iron			449000	5.0
Lead			5090	3.0
Magnesium			55200	10.0
Manganese			20300	5.0
Nickel			198	5.0
Potassium			47600	30.0
Selenium			154	10.0
Silver			Not detected	5.0
Sodium			344000	50.0
Thallium			Not detected	10.0
Vanadium			767	10.0
Zinc			15200	20.0
Mercury	SW846-7470	mg/L	0.0029	0.0002

**YORK**

<b>Client Sample ID</b>			<b>MW-2-1992</b>	
<b>York Sample ID</b>			<b>03120259-10</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	2.0
1,1,1-Trichloroethane			Not detected	2.0
1,1,2,2-Tetrachloroethane			Not detected	2.0
1,1,2-Trichloroethane			Not detected	2.0
1,1-Dichloroethane			Not detected	2.0
1,1-Dichloroethylene			Not detected	2.0
1,1-Dichloropropylene			Not detected	2.0
1,2,3-Trichlorobenzene			Not detected	2.0
1,2,3-Trichloropropane			Not detected	2.0
1,2,3-Trimethylbenzene			Not detected	2.0
1,2,4-Trichlorobenzene			Not detected	2.0
1,2,4-Trimethylbenzene			Not detected	2.0
1,2-Dibromo-3-chloropropane			Not detected	2.0
1,2-Dibromoethane			Not detected	2.0
1,2-Dichlorobenzene			Not detected	2.0
1,2-Dichloroethane			Not detected	2.0
1,2-Dichloroethylene (Total)			Not detected	2.0
1,2-Dichloropropane			Not detected	2.0
1,3,5-Trimethylbenzene			Not detected	2.0
1,3-Dichlorobenzene			Not detected	2.0
1,3-Dichloropropane			Not detected	2.0
1,4-Dichlorobenzene			Not detected	2.0
1-Chlorohexane			Not detected	2.0
2,2-Dichloropropane			Not detected	2.0
2-Chlorotoluene			Not detected	2.0
4-Chlorotoluene			Not detected	2.0
Benzene			Not detected	2.0
Bromobenzene			Not detected	2.0
Bromochloromethane			Not detected	2.0
Bromodichloromethane			Not detected	2.0
Bromoform			Not detected	2.0
Bromomethane			Not detected	2.0
Carbon tetrachloride			Not detected	2.0
Chlorobenzene			Not detected	2.0
Chloroethane			Not detected	2.0
Chloroform			Not detected	2.0
Chloromethane			Not detected	2.0
cis-1,3-Dichloropropylene			Not detected	2.0
Dibromochloromethane			Not detected	2.0
Dibromomethane			Not detected	2.0
Dichlorodifluoromethane			Not detected	2.0
Ethylbenzene			Not detected	2.0
Hexachlorobutadiene			Not detected	2.0
Isopropylbenzene			Not detected	2.0
Methylene chloride			Not detected	2.0
Naphthalene			11 B	2.0
n-Butylbenzene			Not detected	2.0
n-Propylbenzene			Not detected	2.0
o-Xylene			Not detected	2.0
p- & m-Xylenes			Not detected	2.0

**YORK**

Client Sample ID			MW-2-1992	
York Sample ID			03120259-10	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
p-Isopropyltoluene			Not detected	2.0
sec-Butylbenzene			Not detected	2.0
Styrene			Not detected	2.0
tert-Butylbenzene			Not detected	2.0
Tetrachloroethylene			Not detected	2.0
Toluene			Not detected	2.0
trans-1,3-Dichloropropylene			Not detected	2.0
Trichloroethylene			Not detected	2.0
Trichlorofluoromethane			Not detected	2.0
Vinyl chloride			Not detected	2.0

Client Sample ID			MW-9		MW-4-1998	
York Sample ID			03120259-11		03120259-12	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---	---	---
4,4'-DDD			Not detected	0.05	Not detected	0.05
4,4'-DDE			Not detected	0.05	Not detected	0.05
4,4'-DDT			Not detected	0.05	Not detected	0.05
Aldrin			Not detected	0.05	Not detected	0.05
alpha-BHC			Not detected	0.05	Not detected	0.05
beta-BHC			Not detected	0.05	Not detected	0.05
Chlordane			Not detected	0.2	Not detected	0.2
delta-BHC			Not detected	0.05	Not detected	0.05
Dieldrin			Not detected	0.05	Not detected	0.05
Endosulfan I			Not detected	0.05	Not detected	0.05
Endosulfan II			Not detected	0.05	Not detected	0.05
Endosulfan sulfate			Not detected	0.05	Not detected	0.05
Endrin			Not detected	0.05	Not detected	0.05
Endrin aldehyde			Not detected	0.05	Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05	Not detected	0.05
Heptachlor			Not detected	0.05	Not detected	0.05
Heptachlor epoxide			Not detected	0.05	Not detected	0.05
Methoxychlor			Not detected	0.2	Not detected	0.2
Toxaphene			Not detected	2.0	Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1

**YORK**

Client Sample ID			MW-9		MW-4-1998	
York Sample ID			03120259-11		03120259-12	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	10	Not detected	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10

**YORK**

Client Sample ID			MW-9		MW-4-1998	
York Sample ID			03120259-11		03120259-12	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzo[a]anthracene			Not detected	10	Not detected	10
Benzo[a]pyrene			Not detected	10	Not detected	10
Benzo[b]fluoranthene			Not detected	10	Not detected	10
Benzo[g,h,i]perylene			Not detected	10	Not detected	10
Benzo[k]fluoranthene			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenz[a,h]anthracene			Not detected	10	Not detected	10
Fluoranthene			3 J	10	Not detected	10
Fluorene			Not detected	10	Not detected	10
Indeno[1,2,3-cd]pyrene			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
Phenanthrene			3 J	10	Not detected	10
Pyrene			3 J	10	Not detected	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---	---	---
PCB 1016			Not detected	0.2	Not detected	0.2
PCB 1221			Not detected	0.2	Not detected	0.2
PCB 1232			Not detected	0.2	Not detected	0.2
PCB 1242			Not detected	0.2	Not detected	0.2
PCB 1248			Not detected	0.2	Not detected	0.2
PCB 1254			Not detected	0.2	Not detected	0.2
PCB 1260			Not detected	0.2	Not detected	0.2
PCB, Total			Not detected	0.2	Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			352	5.0	26.6	5.0
Antimony			Not detected	5.0	Not detected	5.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			90.2	10.0	92.7	10.0
Beryllium			Not detected	1.0	Not detected	1.0
Cadmium			Not detected	3.0	Not detected	3.0
Calcium			206000	20.0	146000	20.0
Chromium			Not detected	5.0	Not detected	5.0
Cobalt			6.4	5.0	5.6	5.0
Copper			5.4	5.0	Not detected	5.0
Iron			244	5.0	525	5.0
Lead			7.9	3.0	6.3	3.0
Magnesium			23700	10.0	34000	10.0
Manganese			2740	5.0	1710	5.0
Nickel			10.4	5.0	Not detected	5.0
Potassium			9570	30.0	15300	30.0
Selenium			47.3	10.0	16.9	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			16400	50.0	95900	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			Not detected	10.0	Not detected	10.0
Zinc			Not detected	20.0	26.5	20.0
Mercury, Dissolved	SW-846-7470	mg/L	Not detected	0.0002	Not detected	0.0002
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			37000	5.0	2750	5.0
Antimony			Not detected	5.0	Not detected	5.0
Arsenic			12.2	10.0	Not detected	10.0

**YORK**



Client Sample ID			MW-9		MW-4-1998	
York Sample ID			03120259-11		03120259-12	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Barium			1010	10.0	177	10.0
Beryllium			4.7	1.0	Not detected	1.0
Cadmium			3.3	3.0	Not detected	3.0
Calcium			332000	20.0	149000	20.0
Chromium			119	5.0	7.6	5.0
Cobalt			107	5.0	14.6	5.0
Copper			903	5.0	5.5	5.0
Iron			86800	5.0	24800	5.0
Lead			1480	3.0	69.3	3.0
Magnesium			44400	10.0	35700	10.0
Manganese			8210	5.0	1790	5.0
Nickel			142	5.0	14.5	5.0
Potassium			16400	30.0	15700	30.0
Selenium			45.8	10.0	16.7	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			18600	50.0	96500	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			206	10.0	12.0	10.0
Zinc			946	20.0	823	20.0
Mercury	SW846-7470	mg/L	0.0030	0.0002	0.0012	0.0002

Client Sample ID			EB-12/4		MW-15	
York Sample ID			03120259-13		03120259-14	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides 8080 List water	SW846-3510C/8081	ug/L	---	---	---	---
4,4'-DDD			Not detected	0.05	Not detected	0.05
4,4'-DDE			Not detected	0.05	Not detected	0.05
4,4'-DDT			Not detected	0.05	Not detected	0.05
Aldrin			Not detected	0.05	Not detected	0.05
alpha-BHC			Not detected	0.05	Not detected	0.05
beta-BHC			Not detected	0.05	Not detected	0.05
Chlordane			Not detected	0.2	Not detected	0.2
delta-BHC			Not detected	0.05	Not detected	0.05
Dieldrin			Not detected	0.05	Not detected	0.05
Endosulfan I			Not detected	0.05	Not detected	0.05
Endosulfan II			Not detected	0.05	Not detected	0.05
Endosulfan sulfate			Not detected	0.05	Not detected	0.05
Endrin			Not detected	0.05	Not detected	0.05
Endrin aldehyde			Not detected	0.05	Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05	Not detected	0.05
Heptachlor			Not detected	0.05	Not detected	0.05
Heptachlor epoxide			Not detected	0.05	Not detected	0.05
Methoxychlor			Not detected	0.2	Not detected	0.2
Toxaphene			Not detected	2.0	Not detected	2.0
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1

**YORK**

Client Sample ID			EB-12/4		MW-15	
York Sample ID			03120259-13		03120259-14	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1

**YORK**

Client Sample ID			EB-12/4		MW-15	
York Sample ID			03120259-13		03120259-14	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	10	2 J	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	3 J	10
Benzo[a]anthracene			Not detected	10	7 J	10
Benzo[a]pyrene			Not detected	10	6 J	10
Benzo[b]fluoranthene			Not detected	10	4 J	10
Benzo[g,h,i]perylene			Not detected	10	3 J	10
Benzo[k]fluoranthene			Not detected	10	6 J	10
Chrysene			Not detected	10	7 J	10
Dibenz[a,h]anthracene			Not detected	10	Not detected	10
Fluoranthene			Not detected	10	15	10
Fluorene			Not detected	10	2 J	10
Indeno[1,2,3-cd]pyrene			Not detected	10	3 J	10
Naphthalene			Not detected	10	Not detected	10
Phenanthrene			Not detected	10	12	10
Pyrene			Not detected	10	13	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---	---	---
PCB 1016			Not detected	0.2	Not detected	0.2
PCB 1221			Not detected	0.2	Not detected	0.2
PCB 1232			Not detected	0.2	Not detected	0.2
PCB 1242			Not detected	0.2	Not detected	0.2
PCB 1248			Not detected	0.2	Not detected	0.2
PCB 1254			Not detected	0.2	Not detected	0.2
PCB 1260			Not detected	0.2	Not detected	0.2
PCB, Total			Not detected	0.2	Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum					352	5.0
Antimony					16.7	5.0
Arsenic					Not detected	10.0
Barium					139	10.0
Beryllium					Not detected	1.0
Cadmium					Not detected	3.0
Calcium					77000	20.0
Chromium					Not detected	5.0
Cobalt					7.3	5.0
Copper					20.1	5.0
Iron					253	5.0
Lead					49.3	3.0
Magnesium					14200	10.0
Manganese					758	5.0
Nickel					5.2	5.0
Potassium					6750	30.0
Selenium					Not detected	10.0
Silver					Not detected	5.0

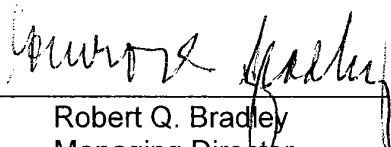
**YORK**

Client Sample ID			EB-12/4		MW-15	
York Sample ID			03120259-13		03120259-14	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Sodium					71800	50.0
Thallium					Not detected	10.0
Vanadium					Not detected	10.0
Zinc					67.4	20.0
Mercury, Dissolved	SW-846-7470	mg/L	---	---	Not detected	0.0002
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			Not detected	5.0	49900	5.0
Antimony			Not detected	5.0	70.0	5.0
Arsenic			Not detected	10.0	127	10.0
Barium			Not detected	10.0	2520	10.0
Beryllium			Not detected	1.0	2.7	1.0
Cadmium			Not detected	3.0	40.5	3.0
Calcium			Not detected	20.0	758000	20.0
Chromium			Not detected	5.0	139	5.0
Cobalt			Not detected	5.0	426	5.0
Copper			Not detected	5.0	11800	5.0
Iron			9.8	5.0	95900	5.0
Lead			Not detected	3.0	38400	3.0
Magnesium			Not detected	10.0	58000	10.0
Manganese			Not detected	5.0	7170	5.0
Nickel			Not detected	5.0	299	5.0
Potassium			Not detected	30.0	16200	30.0
Selenium			Not detected	10.0	33.3	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			157	50.0	105000	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			Not detected	10.0	211	10.0
Zinc			Not detected	20.0	15200	20.0
Mercury	SW846-7470	mg/L	Not detected	0.0002	0.0092	0.0002

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. 03120259**

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.
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: 12/22/2003

**YORK**

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# YORK

ANALYTICAL LABORATORIES, INC.

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## Definitions for FLAGS used as a Results Suffix

Flags are sometimes used on results to indicate certain occurrences during the analysis process. The most common flags used by York are defined below.

<u>FLAG</u>	<u>DEFINITION</u>
<b>J</b>	J indicates an estimated value. This flag applies to Tentatively Identified Compounds or, when requested, for a target compound whose result is less than the reporting limit but whose mass spectral data meet identification criteria. For example if the reporting limit is listed as 10 ppb and the analysis shows 3 ppb, the result can be reported as 3 J. The client must request the use of J flags for the laboratory to report such flags.
<b>B</b>	B indicates that the analyte was also found in the associated batch method blank. This flag indicates possible/probable blank contamination and warns the data user to be aware. This mostly applies to the volatiles acetone and methylene chloride and the semi-volatiles bis-(2-ethylhexyl) phthalate and other phthalates.
<b>E</b>	This flag is used to indicate that the reported concentration of an analyte exceeded the calibration range of the analytical system. In this case the result reported is treated as a minimum value. This often applies where clients request an additional analyte after sample analysis, such as acetone, where the initial analysis did not require dilution since acetone was not a target compound. This flag will also apply if after numerous dilutions a specific target compound would significantly dilute out all other targets.

# Field Chain-of-Custody Record

03120259

Company Name: EnviroScience Consultants Report To: Greg Wernyko Invoice To: Same Project ID/No.: DEP/Water Start 500-2  
 Samples Collected By (Signature): [Signature] Name (Printed): Greg Wernyko

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
1	TB-1-1/4	12/4/03	X			VOCs only	2-40 ml HCL
2	MW-6					VOCs, SVOCs (PAHs only), Total + Dissolved TAC, Metals, Pesticides + PCBs	2-40 ml HCL 3-1L Amber Inow 1-250 ml HNO <sub>3</sub>
3	MW-7						2-40 ml HCL 3-1L Amber Inow 1-250 ml HNO <sub>3</sub>
4	MW-5						2-40 ml HCL 3-1L Amber Inow 1-250 ml HNO <sub>3</sub>
5	DW-1						2-40 ml HCL 3-1L Amber Inow 1-250 ml HNO <sub>3</sub>
6	MW-2-1998						2-40 ml HCL 3-1L Amber Inow 1-250 ml HNO <sub>3</sub>
7	MW-3-1998						2-40 ml HCL 3-1L Amber Inow 1-250 ml HNO <sub>3</sub>
8	DW-2-1998						2-40 ml HCL 3-1L Amber Inow 1-250 ml HNO <sub>3</sub>
9	MW-8						2-40 ml HCL 3-1L Amber Inow 1-250 ml HNO <sub>3</sub>
10	MW-2-1992						2-40 ml HCL 3-1L Amber Inow 1-250 ml HNO <sub>3</sub>

**Chain-of-Custody Record**

Bottles Relinquished from Lab-by: [Signature] Date/Time: 12/4/03 0700  
 Bottles Received in Field by: [Signature] Date/Time: 12/5/03 10:35A

Sample Relinquished by: [Signature] Date/Time: 12/5/03 10:35A  
 Sample Received in Lab by: [Signature] Date/Time: 12/5/03 10:35A

Comments/Special Instructions: Lab to filter for dissolved metals - no spec cat B Deliverables

Turn-Around Time: Standard RUSH(define) \_\_\_\_\_

# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

0220259

<b>Company Name</b> Envirosience Consultants, Inc.	<b>Report To:</b> Greg Menegio	<b>Invoice To:</b> Same	<b>Project ID/No.</b> DEP/Water Start SOG 2	<b>Signature</b> <i>Greg Menegio</i>
			57-15 49th Street	<b>Signature</b> <i>Greg Menegio</i>

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
11	MW-9	12/4/03	X			VOCs, SUDCs (PMTs Only), Total & Dissolved TAL Metals, Pesticides, PCBs	2-40 mL HCL 3-1L Amber Ione 1-250 mL HNO <sub>3</sub> 1-250 mL Ione
12	MW-4-1998	↓	↓			VOCs, SUDCs (PMTs Only), Total TAL Metals, Pesticides, PCBs	2-40 mL HCL 3-1L Amber Ione 1-250 mL HNO <sub>3</sub> 2-40 mL HCL
13	EB-12/4	↓	↓			VOCs, SUDCs (PMT Only) Total & Dissolved TAL Metals, Pesticides, PCBs	3-1L Amber Ione 1-250 mL HNO <sub>3</sub> 1-250 mL Ione
14	MW-15	12/4/03	X			VOCs, SUDCs (PMT Only) Total & Dissolved TAL Metals, Pesticides, PCBs	2-40 mL HCL 3-1L Amber Ione 1-250 mL HNO <sub>3</sub> 1-250 mL Ione
	End of Water SDG 2						

<b>Chain-of-Custody Record</b>	<b>Sample Relinquished by</b> <i>Reinhardt</i>	<b>Date/Time</b> 12/4/03 0700	<b>Sample Received by</b> <i>Wayne</i>	<b>Date/Time</b> 12/5 1045
<b>Bottles Relinquished from Lab by</b> <i>Jay Wall</i>	<b>Sample Relinquished by</b> <i>Reinhardt</i>	<b>Date/Time</b> 12/4/03 0700	<b>Sample Received by</b> <i>Wayne</i>	<b>Date/Time</b> 12/5 1045
<b>Bottles Received in Field by</b>	<b>Sample Relinquished by</b>	<b>Date/Time</b>	<b>Sample Received in LAB by</b>	<b>Date/Time</b>
<b>Comments/Special Instructions</b> Lab to filter for dissolved metals - NYSDEC CAT B Deliverables				
<b>Turn-Around Time</b> X Standard ___ RUSH(define)				

**YORK**  
ANALYTICAL LABORATORIES, INC.

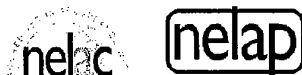
# Technical Report

prepared for

**Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Report Date: 2/23/2004  
*Re: Client Project ID: DEP/Soil SDG-4*  
York Project No.: 04020284

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NC-NYCDEP-00000364



Report Date: 2/23/2004  
 Client Project ID: DEP/Soil SDG-4  
 York Project No.: 04020284

**Enviroscience Consultants, Inc.**  
 33 Flying Point Road  
 Suite 208  
 Southhampton, NY 11968  
 Attention: Greg Menegio

## 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 02/12/04. The project was identified as your project "DEP/Soil SDG-4".

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

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

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

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

## Analysis Results

Client Sample ID			SB-21A		SB-21B	
York Sample ID			04020284-01		04020284-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides 8080 List soil	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			167	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-21A		SB-21B	
York Sample ID			04020284-01		04020284-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	20	Not detected	5.0
1,1,1-Trichloroethane			Not detected	20	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	20	Not detected	5.0
1,1,2-Trichloroethane			Not detected	20	Not detected	5.0
1,1-Dichloroethane			Not detected	20	Not detected	5.0
1,1-Dichloroethylene			Not detected	20	Not detected	5.0
1,1-Dichloropropylene			Not detected	20	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	20	Not detected	5.0
1,2,3-Trichloropropane			Not detected	20	Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	20	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	20	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	20	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	20	Not detected	5.0
1,2-Dibromoethane			Not detected	20	Not detected	5.0
1,2-Dichlorobenzene			Not detected	20	Not detected	5.0
1,2-Dichloroethane			Not detected	20	Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	20	Not detected	5.0
1,2-Dichloropropane			Not detected	20	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	20	Not detected	5.0
1,3-Dichlorobenzene			Not detected	20	Not detected	5.0
1,3-Dichloropropane			Not detected	20	Not detected	5.0
1,4-Dichlorobenzene			Not detected	20	Not detected	5.0
1-Chlorohexane			Not detected	20	Not detected	5.0
2,2-Dichloropropane			Not detected	20	Not detected	5.0
2-Chlorotoluene			Not detected	20	Not detected	5.0
4-Chlorotoluene			Not detected	20	Not detected	5.0
Benzene			Not detected	20	Not detected	5.0
Bromobenzene			Not detected	20	Not detected	5.0
Bromochloromethane			Not detected	20	Not detected	5.0
Bromodichloromethane			Not detected	20	Not detected	5.0
Bromoform			Not detected	20	Not detected	5.0
Bromomethane			Not detected	20	Not detected	5.0
Carbon tetrachloride			Not detected	20	Not detected	5.0
Chlorobenzene			Not detected	20	Not detected	5.0
Chloroethane			Not detected	20	Not detected	5.0
Chloroform			Not detected	20	Not detected	5.0
Chloromethane			Not detected	20	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	20	Not detected	5.0
Dibromochloromethane			Not detected	20	Not detected	5.0
Dibromomethane			Not detected	20	Not detected	5.0
Dichlorodifluoromethane			Not detected	20	Not detected	5.0
Ethylbenzene			Not detected	20	Not detected	5.0
Hexachlorobutadiene			Not detected	20	Not detected	5.0
Isopropylbenzene			Not detected	20	Not detected	5.0
Methylene chloride			90 B	20	12 B	5.0
Naphthalene			1800	20	Not detected	5.0
n-Butylbenzene			Not detected	20	Not detected	5.0

**YORK**

Client Sample ID			SB-21A		SB-21B	
York Sample ID			04020284-01		04020284-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
n-Propylbenzene			Not detected	20	Not detected	5.0
o-Xylene			Not detected	20	Not detected	5.0
p- & m-Xylenes			Not detected	20	Not detected	5.0
p-Isopropyltoluene			Not detected	20	Not detected	5.0
sec-Butylbenzene			Not detected	20	Not detected	5.0
Styrene			Not detected	20	Not detected	5.0
tert-Butylbenzene			Not detected	20	Not detected	5.0
Tetrachloroethylene			Not detected	20	Not detected	5.0
Toluene			Not detected	20	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	20	Not detected	5.0
Trichloroethylene			Not detected	20	Not detected	5.0
Trichlorofluoromethane			Not detected	20	Not detected	5.0
Vinyl chloride			Not detected	20	Not detected	5.0
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			24000	8300	120 J	660
Acenaphthylene			Not detected	8300	Not detected	660
Anthracene			37000	8300	290 J	660
Benzo[a]anthracene			100000	8300	910	660
Benzo[a]pyrene			86000	8300	730	660
Benzo[b]fluoranthene			130000	8300	830	660
Benzo[g,h,i]perylene			8900	8300	200 J	660
Benzo[k]fluoranthene			130000	8300	950	660
Chrysene			100000	8300	980	660
Dibenz[a,h]anthracene			19000	8300	Not detected	660
Fluoranthene			130000	8300	1700	660
Fluorene			23000	8300	100 J	660
Indeno[1,2,3-cd]pyrene			21000	8300	220 J	660
Naphthalene			16000	8300	Not detected	660
Phenanthrene			120000	8300	1200	660
Pyrene			110000	8300	1600	660
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			0.15	0.02	Not detected	0.02
PCB, Total			0.15	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			7850	1.00	5480	1.00
Antimony			3.58	1.00	3.96	1.00
Arsenic			8.79	1.00	111	1.00
Barium			135	1.00	654	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			3.34	0.500	0.74	0.500
Calcium			30700	2.00	5900	2.00
Chromium			26.6	0.500	34.4	0.500
Cobalt			12.6	1.00	35.1	1.00
Copper			957	1.00	245	1.00
Iron			14900	1.00	23800	1.00

**YORK**

Client Sample ID			SB-21A		SB-21B	
York Sample ID			04020284-01		04020284-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Lead			341	1.00	544	1.00
Magnesium			11900	2.00	2320	2.00
Manganese			617	1.00	373	1.00
Nickel			27.0	1.00	16.1	1.00
Potassium			1010	3.00	1160	3.00
Selenium			1.76	1.00	Not detected	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			1200	5.00	1080	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			56.2	2.00	19.2	2.00
Zinc			528	2.00	695	2.00
Mercury	SW846-7471	mg/kG	Not detected	0.10	2.11	0.10

Client Sample ID			SB-22A		SB-22B	
York Sample ID			04020284-03		04020284-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			73.8	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0

**YORK**

Client Sample ID			SB-22A		SB-22B	
York Sample ID			04020284-03		04020284-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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			65 B	5.0	13 B	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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			550 J	3300	Not detected	330

**YORK**

Client Sample ID			SB-22A		SB-22B	
York Sample ID			04020284-03		04020284-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Acenaphthylene			Not detected	3300	Not detected	330
Anthracene			1000 J	3300	Not detected	330
Benzo[a]anthracene			4000	3300	100 J	330
Benzo[a]pyrene			3600	3300	85 J	330
Benzo[b]fluoranthene			4000	3300	74 J	330
Benzo[g,h,i]perylene			1400 J	3300	62 J	330
Benzo[k]fluoranthene			3700	3300	85 J	330
Chrysene			4400	3300	110 J	330
Dibenz[a,h]anthracene			850 J	3300	Not detected	330
Fluoranthene			5900	3300	190 J	330
Fluorene			510	3300	Not detected	330
Indeno[1,2,3-cd]pyrene			16000 J	3300	57 J	330
Naphthalene			Not detected	3300	Not detected	330
Phenanthrene			3500	3300	100 J	330
Pyrene			5400	3300	200 J	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			0.11	0.02	Not detected	0.02
PCB, Total			0.11	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			8310	1.00	12600	1.00
Antimony			17.9	1.00	22.3	1.00
Arsenic			9.32	1.00	3.37	1.00
Barium			367	1.00	552	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			4.94	0.500	3.15	0.500
Calcium			17400	2.00	5690	2.00
Chromium			154	0.500	209	0.500
Cobalt			341	1.00	1090	1.00
Copper			1540	1.00	2100	1.00
Iron			53600	1.00	70400	1.00
Lead			1210	1.00	872	1.00
Magnesium			8350	2.00	6170	2.00
Manganese			366	1.00	510	1.00
Nickel			114	1.00	46.1	1.00
Potassium			1500	3.00	1970	3.00
Selenium			Not detected	1.00	Not detected	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			10500	5.00	15600	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			43.7	2.00	42.8	2.00
Zinc			7630	2.00	10600	2.00
Mercury	SW846-7471	mg/kG	1.04	0.10	0.33	0.10

**YORK**

Client Sample ID			SB-23A		SB-23B	
York Sample ID			04020284-05		04020284-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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

**YORK**

Client Sample ID			SB-23A		SB-23B	
York Sample ID			04020284-05		04020284-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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			39 B	5.0	23 B	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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			Not detected	1700	Not detected	3300
Acenaphthylene			Not detected	1700	1200 J	3300
Anthracene			940 J	1700	540 J	3300
Benzo[a]anthracene			3000	1700	1500 J	3300
Benzo[a]pyrene			2400	1700	5300	3300
Benzo[b]fluoranthene			3000	1700	6300	3300
Benzo[g,h,i]perylene			580 J	1700	2700 J	3300
Benzo[k]fluoranthene			3100	1700	7000	3300
Chrysene			3100	1700	1900 J	3300
Dibenz[a,h]anthracene			Not detected	1700	820 J	3300
Fluoranthene			5100	1700	2800 J	3300
Fluorene			Not detected	1700	Not detected	3300
Indeno[1,2,3-cd]pyrene			540 J	1700	3200 J	3300
Naphthalene			Not detected	1700	Not detected	3300
Phenanthrene			3700	1700	1500 J	3300
Pyrene			4700	1700	2400 J	3300
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.20	Not detected	0.02
PCB 1221			Not detected	0.20	Not detected	0.02
PCB 1232			Not detected	0.20	Not detected	0.02

**YORK**



Client Sample ID			SB-23A		SB-23B	
York Sample ID			04020284-05		04020284-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1242			Not detected	0.20	Not detected	0.02
PCB 1248			Not detected	0.20	Not detected	0.02
PCB 1254			1.03	0.20	Not detected	0.02
PCB 1260			1.76	0.20	Not detected	0.02
PCB, Total			2.79	0.20	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			8000	1.00	22800	1.00
Antimony			15.4	1.00	26.0	1.00
Arsenic			13.5	1.00	1.79	1.00
Barium			230	1.00	689	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			9.14	0.500	10.0	0.500
Calcium			8750	2.00	12700	2.00
Chromium			51.3	0.500	452	0.500
Cobalt			49.7	1.00	1370	1.00
Copper			1260	1.00	4040	1.00
Iron			26200	1.00	111000	1.00
Lead			608	1.00	2030	1.00
Magnesium			2690	2.00	9900	2.00
Manganese			234	1.00	859	1.00
Nickel			42.2	1.00	33.5	1.00
Potassium			1060	3.00	3470	3.00
Selenium			Not detected	1.00	Not detected	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			2820	5.00	30000	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			32.1	2.00	88.6	2.00
Zinc			2350	2.00	15200	2.00
Mercury	SW846-7471	mg/kg	2.92	0.10	2.11	0.10

Client Sample ID			SB-24A		SB-24B	
York Sample ID			04020284-07		04020284-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-24A		SB-24B	
York Sample ID			04020284-07		04020284-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			Not detected	5.0	31(cis-)	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
1-Chlorohexane			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-1,3-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			17 B	5.0	92 B	5.0

**YORK**

Client Sample ID			SB-24A		SB-24B	
York Sample ID			04020284-07		04020284-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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			11	5.0	73	5.0
Toluene			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	56	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	3300	420 J	1700
Acenaphthylene			Not detected	3300	Not detected	1700
Anthracene			Not detected	3300	650 J	1700
Benzo[a]anthracene			1300 J	3300	1500 J	1700
Benzo[a]pyrene			870 J	3300	1200 J	1700
Benzo[b]fluoranthene			2000 J	3300	1000 J	1700
Benzo[g,h,i]perylene			Not detected	3300	280 J	1700
Benzo[k]fluoranthene			1800 J	3300	1200 J	1700
Chrysene			1800 J	3300	1500 J	1700
Dibenz[a,h]anthracene			Not detected	3300	Not detected	1700
Fluoranthene			1700 J	3300	2400	1700
Fluorene			Not detected	3300	480 J	1700
Indeno[1,2,3-cd]pyrene			Not detected	3300	340 J	1700
Naphthalene			Not detected	3300	420 J	1700
Phenanthrene			1500 J	3300	2900	1700
Pyrene			1600 J	3300	2200	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.20	Not detected	0.02
PCB 1221			Not detected	0.20	Not detected	0.02
PCB 1232			Not detected	0.20	Not detected	0.02
PCB 1242			Not detected	0.20	Not detected	0.02
PCB 1248			Not detected	0.20	Not detected	0.02
PCB 1254			0.76	0.20	Not detected	0.02
PCB 1260			0.33	0.20	Not detected	0.02
PCB, Total			1.09	0.20	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			8520	1.00	6450	1.00
Antimony			33.8	1.00	24.9	1.00
Arsenic			15.2	1.00	13.9	1.00
Barium			454	1.00	247	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			19.8	0.500	1.83	0.500
Calcium			6850	2.00	29800	2.00
Chromium			353	0.500	44.7	0.500
Cobalt			322	1.00	51.0	1.00

**YORK**

Client Sample ID			SB-24A		SB-24B	
York Sample ID			04020284-07		04020284-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Copper			1720	1.00	583	1.00
Iron			56400	1.00	41500	1.00
Lead			2270	1.00	633	1.00
Magnesium			4040	2.00	3030	2.00
Manganese			295	1.00	417	1.00
Nickel			123	1.00	31.6	1.00
Potassium			1350	3.00	1020	3.00
Selenium			Not detected	1.00	Not detected	1.00
Silver			2.18	1.00	Not detected	1.00
Sodium			11100	5.00	3640	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			54.7	2.00	22.1	2.00
Zinc			8300	2.00	2900	2.00
Mercury	SW846-7471	mg/kG	0.31	0.10	0.42	0.10

Client Sample ID			SB-25A		SB-25B	
York Sample ID			04020284-09		04020284-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			553	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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

**YORK**

Client Sample ID			SB-25A		SB-25B	
York Sample ID			04020284-09		04020284-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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			56	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			150 B	5.0	170 B	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			120	5.0	Not detected	5.0
p- & m-Xylenes			210	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-1,3-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

**YORK**

Client Sample ID			SB-25A		SB-25B	
York Sample ID			04020284-09		04020284-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			Not detected	330	6300	3300
Acenaphthylene			Not detected	330	800 J	3300
Anthracene			Not detected	330	13000	3300
Benzo[a]anthracene			90 J	330	24000	3300
Benzo[a]pyrene			86 J	330	16000	3300
Benzo[b]fluoranthene			86 J	330	17000	3300
Benzo[g,h,i]perylene			Not detected	330	3100 J	3300
Benzo[k]fluoranthene			81 J	330	18000	3300
Chrysene			97 J	330	22000	3300
Dibenz[a,h]anthracene			Not detected	330	1600 J	3300
Fluoranthene			140 J	330	35000	3300
Fluorene			Not detected	330	7900	3300
Indeno[1,2,3-cd]pyrene			Not detected	330	3500	3300
Naphthalene			Not detected	330	1800 J	3300
Phenanthrene			95 J	330	36000	3300
Pyrene			170 J	330	32000	3300
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			Not detected	0.02	Not detected	0.02
PCB, Total			Not detected	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			7590	1.00	7850	1.00
Antimony			Not detected	1.00	20.9	1.00
Arsenic			2.75	1.00	6.53	1.00
Barium			32.7	1.00	225	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			Not detected	0.500	3.54	0.500
Calcium			1770	2.00	42300	2.00
Chromium			8.81	0.500	182	0.500
Cobalt			3.59	1.00	103	1.00
Copper			18.9	1.00	1720	1.00
Iron			8240	1.00	67600	1.00
Lead			24.5	1.00	1200	1.00
Magnesium			1040	2.00	5810	2.00
Manganese			105	1.00	281	1.00
Nickel			6.24	1.00	46.6	1.00
Potassium			356	3.00	1600	3.00
Selenium			Not detected	1.00	Not detected	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			292	5.00	11300	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			17.3	2.00	28.6	2.00
Zinc			92.9	2.00	7840	2.00
Mercury	SW846-7471	mg/kG	Not detected	0.10	0.13	0.10

**YORK**

Client Sample ID			SB-26A		SB-26B	
York Sample ID			04020284-11		04020284-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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

**YORK**

Client Sample ID			SB-26A		SB-26B	
York Sample ID			04020284-11		04020284-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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			46 B	5.0	92 B	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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			930 J	3300	Not detected	330
Acenaphthylene			500 J	3300	Not detected	330
Anthracene			1900 J	3300	Not detected	330
Benzo[a]anthracene			6900	3300	170 J	330
Benzo[a]pyrene			5800	3300	180 J	330
Benzo[b]fluoranthene			5800	3300	150 J	330
Benzo[g,h,i]perylene			1700 J	3300	170 J	330
Benzo[k]fluoranthene			6200	3300	180 J	330
Chrysene			7600	3300	190 J	330
Dibenz[a,h]anthracene			1100 J	3300	52 J	330
Fluoranthene			11000	3300	370	330
Fluorene			910 J	3300	Not detected	330
Indeno[1,2,3-cd]pyrene			2100 J	3300	160 J	330
Naphthalene			Not detected	3300	Not detected	330
Phenanthrene			8000	3300	150 J	330
Pyrene			9700	3300	380	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02

**YORK**



Client Sample ID			SB-26A		SB-26B	
York Sample ID			04020284-11		04020284-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			0.73	0.02	Not detected	0.02
PCB 1260			0.28	0.02	Not detected	0.02
PCB, Total			1.01	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			9280	1.00	6160	1.00
Antimony			17.3	1.00	Not detected	1.00
Arsenic			17.1	1.00	15.4	1.00
Barium			331	1.00	3120	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			5.45	0.500	0.94	0.500
Calcium			6500	2.00	45100	2.00
Chromium			208	0.500	12.1	0.500
Cobalt			184	1.00	Not detected	1.00
Copper			2720	1.00	41.8	1.00
Iron			72200	1.00	9510	1.00
Lead			915	1.00	6630	1.00
Magnesium			4070	2.00	6260	2.00
Manganese			493	1.00	238	1.00
Nickel			79.3	1.00	13.3	1.00
Potassium			1440	3.00	1550	3.00
Selenium			Not detected	1.00	1.72	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			10000	5.00	1530	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			71.9	2.00	15.9	2.00
Zinc			7540	2.00	1140	2.00
Mercury	SW846-7471	mg/kg	1.39	0.10	0.58	0.10

Client Sample ID			SB-27A		SB-27B	
York Sample ID			04020284-13		04020284-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			150	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-27A		SB-27B	
York Sample ID			04020284-13		04020284-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,1,1,2,2-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
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			94	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-Dichloroethylene (Total)			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			63	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
1-Chlorohexane			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-1,3-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			12	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			9	5.0	Not detected	5.0

**YORK**

Client Sample ID			SB-27A		SB-27B	
York Sample ID			04020284-13		04020284-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Methylene chloride			36 B	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			19	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			35	5.0	Not detected	5.0
p- & m-Xylenes			42	5.0	Not detected	5.0
p-Isopropyltoluene			37	5.0	Not detected	5.0
sec-Butylbenzene			15	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			11	5.0	Not detected	5.0
Toluene			21	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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	3300	1100 J	3300
Acenaphthylene			Not detected	3300	Not detected	3300
Anthracene			Not detected	3300	2300 J	3300
Benzo[a]anthracene			1200 J	3300	5000	3300
Benzo[a]pyrene			1100 J	3300	3900	3300
Benzo[b]fluoranthene			1100 J	3300	3900	3300
Benzo[g,h,i]perylene			Not detected	3300	560 J	3300
Benzo[k]fluoranthene			1300 J	3300	5000	3300
Chrysene			1400 J	3300	5200	3300
Dibenz[a,h]anthracene			Not detected	3300	Not detected	3300
Fluoranthene			1700 J	3300	12000	3300
Fluorene			Not detected	3300	1400 J	3300
Indeno[1,2,3-cd]pyrene			Not detected	3300	690 J	3300
Naphthalene			Not detected	3300	Not detected	3300
Phenanthrene			1100 J	3300	10000	3300
Pyrene			1600 J	3300	11000	3300
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			0.15	0.02	0.03	0.02
PCB 1260			0.11	0.02	0.03	0.02
PCB, Total			0.26	0.02	0.06	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			4650	1.00	6030	1.00
Antimony			9.26	1.00	2.63	1.00
Arsenic			5.49	1.00	8.33	1.00
Barium			115	1.00	201	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			7.58	0.500	1.73	0.500
Calcium			2920	2.00	35200	2.00
Chromium			31.6	0.500	40.7	0.500

**YORK**

Client Sample ID			SB-27A		SB-27B	
York Sample ID			04020284-13		04020284-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Cobalt			21.2	1.00	62.5	1.00
Copper			352	1.00	356	1.00
Iron			15400	1.00	22500	1.00
Lead			352	1.00	489	1.00
Magnesium			1720	2.00	3480	2.00
Manganese			131	1.00	262	1.00
Nickel			20.9	1.00	33.6	1.00
Potassium			908	3.00	1330	3.00
Selenium			Not detected	1.00	Not detected	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			1130	5.00	2990	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			23.1	2.00	21.4	2.00
Zinc			903	2.00	2220	2.00
Mercury	SW846-7471	mg/kg	1.05	0.10	0.15	0.10

Client Sample ID			SB-28A		SB-28B	
York Sample ID			04020284-15		04020284-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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

**YORK**

Client Sample ID			SB-28A		SB-28B	
York Sample ID			04020284-15		04020284-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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			33 B	5.0	88 B	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-1,3-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

**YORK**

Client Sample ID			SB-28A		SB-28B	
York Sample ID			04020284-15		04020284-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Vinyl chloride			Not detected	5.0	Not detected	5.0
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			510 J	3300	270 J	330
Acenaphthylene			1200 J	3300	Not detected	330
Anthracene			2700 J	3300	680	330
Benzo[a]anthracene			6800	3300	1200	330
Benzo[a]pyrene			5000	3300	860	330
Benzo[b]fluoranthene			5100	3300	760	330
Benzo[g,h,i]perylene			710 J	3300	510	330
Benzo[k]fluoranthene			7200	3300	750	330
Chrysene			6100	3300	1100	330
Dibenz[a,h]anthracene			Not detected	3300	220 J	330
Fluoranthene			10000	3300	2100	330
Fluorene			880 J	3300	350	330
Indeno[1,2,3-cd]pyrene			880 J	3300	540	330
Naphthalene			Not detected	3300	160 J	330
Phenanthrene			5700	3300	2200	330
Pyrene			10000	3300	1900	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			0.07	0.02	Not detected	0.02
PCB, Total			0.07	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			8130	1.00	4580	1.00
Antimony			4.97	1.00	77.4	1.00
Arsenic			8.55	1.00	2030	1.00
Barium			260	1.00	103	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			2.22	0.500	Not detected	0.500
Calcium			24800	2.00	18600	2.00
Chromium			82.0	0.500	11.5	0.500
Cobalt			49.5	1.00	27.1	1.00
Copper			599	1.00	525	1.00
Iron			37600	1.00	10600	1.00
Lead			351	1.00	631	1.00
Magnesium			4040	2.00	1410	2.00
Manganese			363	1.00	108	1.00
Nickel			26.2	1.00	782	1.00
Potassium			2270	3.00	822	3.00
Selenium			Not detected	1.00	121	1.00
Silver			Not detected	1.00	2.00	1.00
Sodium			3520	5.00	487	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			29.5	2.00	18.3	2.00
Zinc			2760	2.00	128	2.00
Mercury	SW846-7471	mg/kG	0.15	0.10	0.51	0.10

**YORK**

Client Sample ID			SB-29A		SB-29B	
York Sample ID			04020284-17		04020284-18	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			363	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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

**YORK**

Client Sample ID			SB-29A		SB-29B	
York Sample ID			04020284-17		04020284-18	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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			24 B	5.0	34 B	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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			14000	8300	57 J	330
Acenaphthylene			Not detected	8300	Not detected	330
Anthracene			23000	8300	130 J	330
Benzo[a]anthracene			63000	8300	350	330
Benzo[a]pyrene			51000	8300	300 J	330
Benzo[b]fluoranthene			78000	8300	240 J	330
Benzo[g,h,i]perylene			8600	8300	200 J	330
Benzo[k]fluoranthene			73000	8300	310 J	330
Chrysene			62000	8300	370	330
Dibenz[a,h]anthracene			4300 J	8300	76 J	330
Fluoranthene			89000	8300	730	330
Fluorene			12000	8300	53 J	330
Indeno[1,2,3-cd]pyrene			10000	8300	190 J	330
Naphthalene			7500 J	8300	Not detected	330
Phenanthrene			74000	8300	510	330
Pyrene			76000	8300	680	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02

**YORK**



Client Sample ID			SB-29A		SB-29B	
York Sample ID			04020284-17		04020284-18	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			0.03	0.02	Not detected	0.02
PCB, Total			0.03	0.02	Not detected	0.02
Metals, Target Analyte List(TAL)	SW846-6010	mg/kg	---	---	---	---
Aluminum			11000	1.00	4990	1.00
Antimony			2.09	1.00	Not detected	1.00
Arsenic			10.6	1.00	2.43	1.00
Barium			239	1.00	60.2	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			1.10	0.500	Not detected	0.500
Calcium			35100	2.00	6020	2.00
Chromium			28.9	0.500	11.9	0.500
Cobalt			7.32	1.00	4.63	1.00
Copper			331	1.00	21.1	1.00
Iron			14800	1.00	10600	1.00
Lead			233	1.00	16.6	1.00
Magnesium			11000	2.00	2630	2.00
Manganese			314	1.00	249	1.00
Nickel			24.8	1.00	10.2	1.00
Potassium			1620	3.00	1050	3.00
Selenium			Not detected	1.00	Not detected	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			738	5.00	348	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			40.6	2.00	17.8	2.00
Zinc			261	2.00	46.9	2.00
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-30A		SB-30B	
York Sample ID			04020284-19		04020284-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			368	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-30A		SB-30B	
York Sample ID			04020284-19		04020284-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			Not detected	5.0	110(cis-)	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
1-Chlorohexane			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-1,3-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

**YORK**

Client Sample ID			SB-30A		SB-30B	
York Sample ID			04020284-19		04020284-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			45 B	5.0	58 B	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	120	5.0
Toluene			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	61	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			2700 J	3300	Not detected	330
Acenaphthylene			Not detected	3300	Not detected	330
Anthracene			4700	3300	Not detected	330
Benzo[a]anthracene			12000	3300	Not detected	330
Benzo[a]pyrene			8500	3300	Not detected	330
Benzo[b]fluoranthene			10000	3300	Not detected	330
Benzo[g,h,i]perylene			1500 J	3300	Not detected	330
Benzo[k]fluoranthene			12000	3300	Not detected	330
Chrysene			12000	3300	Not detected	330
Dibenz[a,h]anthracene			670 J	3300	Not detected	330
Fluoranthene			19000	3300	72 J	330
Fluorene			2700 J	3300	Not detected	330
Indeno[1,2,3-cd]pyrene			1700 J	3300	Not detected	330
Naphthalene			800 J	3300	Not detected	330
Phenanthrene			17000	3300	Not detected	330
Pyrene			19000	3300	75 J	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			0.06	0.02	Not detected	0.02
PCB, Total			0.06	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			5190	1.00	3420	1.00
Antimony			6.55	1.00	Not detected	1.00
Arsenic			6.78	1.00	1.26	1.00
Barium			773	1.00	34.1	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			2.35	0.500	Not detected	0.500
Calcium			33500	2.00	4450	2.00

**YORK**

Client Sample ID			SB-30A		SB-30B	
York Sample ID			04020284-19		04020284-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Chromium			32.9	0.500	6.35	0.500
Cobalt			15.4	1.00	4.03	1.00
Copper			187	1.00	14.8	1.00
Iron			45400	1.00	10400	1.00
Lead			386	1.00	5.63	1.00
Magnesium			3510	2.00	3180	2.00
Manganese			541	1.00	293	1.00
Nickel			30.3	1.00	7.70	1.00
Potassium			1130	3.00	512	3.00
Selenium			Not detected	1.00	Not detected	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			1360	5.00	593	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			17.8	2.00	8.66	2.00
Zinc			827	2.00	26.2	2.00
Mercury	SW846-7471	mg/kg	0.20	0.10	Not detected	0.10

Client Sample ID			SB-32B	
York Sample ID			04020284-21	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---
4,4'-DDD			Not detected	10
4,4'-DDE			Not detected	10
4,4'-DDT			Not detected	10
Aldrin			Not detected	10
alpha-BHC			Not detected	10
beta-BHC			Not detected	10
Chlordane			Not detected	50
delta-BHC			Not detected	10
Dieldrin			Not detected	10
Endosulfan I			Not detected	10
Endosulfan II			Not detected	10
Endosulfan sulfate			Not detected	10
Endrin			Not detected	10
Endrin aldehyde			Not detected	10
gamma-BHC (Lindane)			Not detected	10
Heptachlor			Not detected	10
Heptachlor epoxide			Not detected	10
Methoxychlor			Not detected	50
Toxaphene			Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0
1,1-Dichloroethane			Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0

**YORK**

Client Sample ID			SB-32B	
York Sample ID			04020284-21	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
1,2,3-Trichlorobenzene			Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0
1,2-Dibromoethane			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,2-Dichloroethylene (Total)			38 (cis-)	5.0
1,2-Dichloropropane			Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,3-Dichloropropane			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
1-Chlorohexane			Not detected	5.0
2,2-Dichloropropane			Not detected	5.0
2-Chlorotoluene			Not detected	5.0
4-Chlorotoluene			Not detected	5.0
Benzene			Not detected	5.0
Bromobenzene			Not detected	5.0
Bromochloromethane			Not detected	5.0
Bromodichloromethane			Not detected	5.0
Bromoform			Not detected	5.0
Bromomethane			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroethane			Not detected	5.0
Chloroform			Not detected	5.0
Chloromethane			Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0
Dibromochloromethane			Not detected	5.0
Dibromomethane			Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0
Ethylbenzene			Not detected	5.0
Hexachlorobutadiene			Not detected	5.0
Isopropylbenzene			Not detected	5.0
Methylene chloride			69 B	5.0
Naphthalene			Not detected	5.0
n-Butylbenzene			Not detected	5.0
n-Propylbenzene			Not detected	5.0
o-Xylene			Not detected	5.0
p- & m-Xylenes			Not detected	5.0
p-Isopropyltoluene			Not detected	5.0
sec-Butylbenzene			Not detected	5.0
Styrene			Not detected	5.0
tert-Butylbenzene			Not detected	5.0
Tetrachloroethylene			22	5.0
Toluene			Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0
Trichloroethylene			23	5.0

**YORK**

Client Sample ID			SB-32B	
York Sample ID			04020284-21	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Trichlorofluoromethane			Not detected	5.0
Vinyl chloride			Not detected	5.0
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---
Acenaphthene			Not detected	330
Acenaphthylene			Not detected	330
Anthracene			Not detected	330
Benzo[a]anthracene			180 J	330
Benzo[a]pyrene			190 J	330
Benzo[b]fluoranthene			120 J	330
Benzo[g,h,i]perylene			110 J	330
Benzo[k]fluoranthene			140 J	330
Chrysene			210 J	330
Dibenz[a,h]anthracene			Not detected	330
Fluoranthene			250 J	330
Fluorene			Not detected	330
Indeno[1,2,3-cd]pyrene			95 J	330
Naphthalene			Not detected	330
Phenanthrene			150 J	330
Pyrene			290 J	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---
PCB 1016			Not detected	0.02
PCB 1221			Not detected	0.02
PCB 1232			Not detected	0.02
PCB 1242			Not detected	0.02
PCB 1248			Not detected	0.02
PCB 1254			Not detected	0.02
PCB 1260			Not detected	0.02
PCB, Total			Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---
Aluminum			3420	1.00
Antimony			Not detected	1.00
Arsenic			1.66	1.00
Barium			50.0	1.00
Beryllium			Not detected	0.500
Cadmium			Not detected	0.500
Calcium			5400	2.00
Chromium			8.84	0.500
Cobalt			4.56	1.00
Copper			19.0	1.00
Iron			11000	1.00
Lead			5.44	1.00
Magnesium			3170	2.00
Manganese			322	1.00
Nickel			11.9	1.00
Potassium			853	3.00
Selenium			Not detected	1.00
Silver			Not detected	1.00
Sodium			968	5.00
Thallium			Not detected	1.00
Vanadium			15.2	2.00
Zinc			30.3	2.00

**YORK**

<b>Client Sample ID</b>			<b>SB-32B</b>	
<b>York Sample ID</b>			<b>04020284-21</b>	
<b>Matrix</b>			<b>SOIL</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Mercury	SW846-7471	mg/kG	Not detected	0.10

<b>Client Sample ID</b>			<b>EB-2/11-Soil</b>	
<b>York Sample ID</b>			<b>04020284-22</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---
4,4'-DDD			Not detected	0.055
4,4'-DDE			Not detected	0.055
4,4'-DDT			Not detected	0.055
Aldrin			Not detected	0.055
alpha-BHC			Not detected	0.055
beta-BHC			Not detected	0.055
Chlordane			Not detected	0.22
delta-BHC			Not detected	0.055
Dieldrin			Not detected	0.055
Endosulfan I			Not detected	0.055
Endosulfan II			Not detected	0.055
Endosulfan sulfate			Not detected	0.055
Endrin			Not detected	0.055
Endrin aldehyde			Not detected	0.055
gamma-BHC (Lindane)			Not detected	0.055
Heptachlor			Not detected	0.055
Heptachlor epoxide			Not detected	0.055
Methoxychlor			Not detected	0.22
Toxaphene			Not detected	2.2
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1

**YORK**

<b>Client Sample ID</b>			<b>EB-2/11-Soil</b>	
<b>York Sample ID</b>			<b>04020284-22</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			Not detected	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---
Acenaphthene			Not detected	10
Acenaphthylene			Not detected	10
Anthracene			Not detected	10
Benzo[a]anthracene			Not detected	10
Benzo[a]pyrene			Not detected	10
Benzo[b]fluoranthene			Not detected	10
Benzo[g,h,i]perylene			Not detected	10
Benzo[k]fluoranthene			Not detected	10
Chrysene			Not detected	10
Dibenz[a,h]anthracene			Not detected	10
Fluoranthene			Not detected	10
Fluorene			Not detected	10

**YORK**



<b>Client Sample ID</b>			<b>EB-2/11-Soil</b>	
<b>York Sample ID</b>			<b>04020284-22</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Indeno[1,2,3-cd]pyrene			Not detected	10
Naphthalene			Not detected	10
Phenanthrene			Not detected	10
Pyrene			Not detected	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---
PCB 1016			Not detected	0.22
PCB 1221			Not detected	0.22
PCB 1232			Not detected	0.22
PCB 1242			Not detected	0.22
PCB 1248			Not detected	0.22
PCB 1254			Not detected	0.22
PCB 1260			Not detected	0.22
PCB, Total			Not detected	0.22
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---
Aluminum			7.9	5.0
Antimony			Not detected	5.0
Arsenic			Not detected	10.0
Barium			Not detected	10.0
Beryllium			Not detected	1.0
Cadmium			Not detected	3.0
Calcium			Not detected	20.0
Chromium			Not detected	5.0
Cobalt			Not detected	5.0
Copper			Not detected	5.0
Iron			11.3	5.0
Lead			Not detected	3.0
Magnesium			Not detected	10.0
Manganese			Not detected	5.0
Nickel			Not detected	5.0
Potassium			Not detected	30.0
Selenium			Not detected	10.0
Silver			Not detected	5.0
Sodium			Not detected	50.0
Thallium			Not detected	10.0
Vanadium			Not detected	10.0
Zinc			Not detected	20.0
Mercury	SW846-7470	mg/L	Not detected	0.0002

**Units Key:**

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

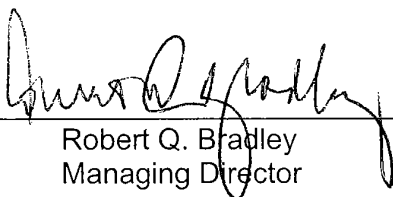
For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**YORK**

Report Date: 2/23/2004  
Client Project ID: DEP/Soil SDG-4  
York Project No.: 04020284

**Notes for York Project No. 04020284**

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.
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: 2/23/2004

**YORK**

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# **YORK**

**ANALYTICAL LABORATORIES, INC.**

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## **Definitions for FLAGS used as a Results Suffix**

Flags are sometimes used on results to indicate certain occurrences during the analysis process. The most common flags used by York are defined below.

### **FLAG**

### **DEFINITION**

- J** J indicates an estimated value. This flag applies to Tentatively Identified Compounds or, when requested, for a target compound whose result is less than the reporting limit but whose mass spectral data meet identification criteria. For example if the reporting limit is listed as 10 ppb and the analysis shows 3 ppb, the result can be reported as 3 J. The client must request the use of J flags for the laboratory to report such flags.
- B** B indicates that the analyte was also found in the associated batch method blank. This flag indicates possible/probable blank contamination and warns the data user to be aware. This mostly applies to the volatiles acetone and methylene chloride and the semi-volatiles bis-(2-ethylhexyl) phthalate and other phthalates.
- E** This flag is used to indicate that the reported concentration of an analyte exceeded the calibration range of the analytical system. In this case the result reported is treated as a minimum value. This often applies where clients request an additional analyte after sample analysis, such as acetone, where the initial analysis did not require dilution since acetone was not a target compound. This flag will also apply if after numerous dilutions a specific target compound would significantly dilute out all other targets.

# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

*0402084*

<b>Company Name</b> <i>Enviroscience Consultants, Inc.</i>	<b>Report To:</b> <i>Greg Henegio</i>	<b>Invoice To:</b> <i>Same</i>	<b>Project ID/No.</b> <i>DEP/Soil SDG-4</i>	<b>Samples Collected By (Signature)</b> <i>Tracy Wall</i>	<b>Name (Printed)</b> <i>Tracy Wall</i>
---	--	-----------------------------------	--	--	--

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
1	SB-21A	2/11/04		X			2-8oz jar/none
2	SB-21B						
3	SB-22A						
4	SB-22B						
5	SB-23A						
6	SB-23B						
7	SB-24A						
8	SB-24B						
9	SB-25A						
10	SB-25B						

<b>Chain-of-Custody Record</b>	<b>Sample Relinquished by</b> <i>Phenelander</i>	<b>Date/Time</b> <i>2/12/04 11:45</i>	<b>Sample Received by</b> <i>RJ</i>	<b>Date/Time</b> <i>2/12/04 11:45</i>
<b>Bottles Relinquished from Lab by</b> <i>Tracy Wall</i>	<b>Date/Time</b> <i>2/11/04 06:00</i>	<b>Sample Relinquished by</b>	<b>Date/Time</b>	<b>Sample Received in LAB by</b> <i>RJ</i>
<b>Bottles Received in Field by</b>	<b>Date/Time</b>	<b>Sample Relinquished by</b>	<b>Date/Time</b>	<b>Sample Received in LAB by</b> <i>Tracy Wall</i>
<b>Comments/Special Instructions</b> <i>(4) 1045000 ASP LHT B 1/2 Invertable</i>				
				<b>Turn-Around Time</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH(define)

# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

4000284

<b>Company Name</b> Envirosience (Consultants), Inc.	<b>Report To:</b> Greg Menegio	<b>Invoice To:</b> Same	<b>Project ID/No.</b> DEP/soil/SDG-4	<b>Samples Collected By (Signature)</b> Tracy Wall	<b>Name (Printed)</b> Tracy Wall
--	-----------------------------------	----------------------------	---	---	-------------------------------------

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
11	SB-27A	2/11/04		X			2-8oz jar/mon
12	SB-27B					NOCs, SVOCs (PAHs Only), Pesticides/PCBs, TAL Metals	
13	SB-27A						
14	SB-27B					mic/w/cd	4-8oz jar/mon
15	SB-27A						2-8oz jar/mon
16	SB-27B						
17	SB-27A						
18	SB-27B						
19	SB-30A						
20	SB-30B						

<b>Chain-of-Custody Record</b>		<b>Sample Relinquished by</b> P. Wachsmuth	<b>Date/Time</b> 2/12/04 11:45
<b>Bottles Relinquished from Lab by</b> Tracy Wall	<b>Date/Time</b> 2/10/04 0600	<b>Sample Received by</b> K. [Signature]	<b>Date/Time</b> 2/12/04 11:05
<b>Bottles Received in Field by</b>	<b>Date/Time</b>	<b>Sample Received in LAB by</b> K. [Signature]	<b>Date/Time</b> 2/17/04
<b>Comments/Special Instructions</b> * My SVOC ASP (HCB, Dieldrin, etc.)		<b>Turn-Around Time</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH (define)	





# Technical Report

prepared for

**Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Report Date: 2/23/2004  
**Re: Client Project ID: NYDEP/Maspeth/SDG-3**  
York Project No.: 04020294

CT License No. PH-0723    New York License No. 10854    Mass. License No. M-CT106    Rhode Island License No. 93    NJ License No. CT401



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NC-NYCDEP-00000403

Report Date: 2/23/2004  
 Client Project ID: NYDEP/Maspeth/SDG-3  
 York Project No.: 04020294

**Enviroscience Consultants, Inc.**  
 33 Flying Point Road  
 Suite 208  
 Southampton, NY 11968  
 Attention: Greg Menegio

## 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 02/13/04. The project was identified as your project "NYDEP/Maspeth/SDG-3."

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			TB-2/12		GP-28	
York Sample ID			04020294-01		04020294-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---	---	---
4,4'-DDD					Not detected	0.05
4,4'-DDE					Not detected	0.05
4,4'-DDT					Not detected	0.05
Aldrin					Not detected	0.05
alpha-BHC					Not detected	0.05
beta-BHC					Not detected	0.05
Chlordane					Not detected	0.2
delta-BHC					Not detected	0.05
Dieldrin					Not detected	0.05
Endosulfan I					Not detected	0.05
Endosulfan II					Not detected	0.05
Endosulfan sulfate					Not detected	0.05
Endrin					Not detected	0.05
Endrin aldehyde					Not detected	0.05
gamma-BHC (Lindane)					Not detected	0.05
Heptachlor					Not detected	0.05

**YORK**



Client Sample ID			TB-2/12		GP-28	
York Sample ID			04020294-01		04020294-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Heptachlor epoxide					Not detected	0.05
Methoxychlor					Not detected	0.2
Toxaphene					Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	2(cis-)	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1

**YORK**

Client Sample ID			TB-2/12		GP-28	
York Sample ID			04020294-01		04020294-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---	---	---
Acenaphthene					Not detected	10
Acenaphthylene					Not detected	10
Anthracene					Not detected	10
Benzo[a]anthracene					Not detected	10
Benzo[a]pyrene					Not detected	10
Benzo[b]fluoranthene					Not detected	10
Benzo[g,h,i]perylene					Not detected	10
Benzo[k]fluoranthene					Not detected	10
Chrysene					Not detected	10
Dibenz[a,h]anthracene					Not detected	10
Fluoranthene					1.5 J	10
Fluorene					Not detected	10
Indeno[1,2,3-cd]pyrene					Not detected	10
Naphthalene					Not detected	10
Phenanthrene					Not detected	10
Pyrene					1.9 J	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---	---	---
PCB 1016					Not detected	0.2
PCB 1221					Not detected	0.2
PCB 1232					Not detected	0.2
PCB 1242					Not detected	0.2
PCB 1248					Not detected	0.2
PCB 1254					Not detected	0.2
PCB 1260					Not detected	0.2
PCB, Total					Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum					28.9	5.0
Antimony					Not detected	5.0
Arsenic					Not detected	10.0
Barium					203	10.0
Beryllium					Not detected	1.0
Cadmium					Not detected	3.0
Calcium					49100	20.0
Chromium					Not detected	5.0
Cobalt					Not detected	5.0
Copper					Not detected	5.0
Iron					36.5	5.0

**YORK**

Client Sample ID			TB-2/12		GP-28	
York Sample ID			04020294-01		04020294-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Lead					3.5	3.0
Magnesium					20900	10.0
Manganese					599	5.0
Nickel					15.6	5.0
Potassium					10800	30.0
Selenium					Not detected	10.0
Silver					Not detected	5.0
Sodium					343000	50.0
Thallium					Not detected	10.0
Vanadium					Not detected	10.0
Zinc					Not detected	20.0
Mercury, Dissolved	SW-846-7470	mg/L	---	---	Not detected	0.0002
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum					13500	5.0
Antimony					Not detected	5.0
Arsenic					Not detected	10.0
Barium					545	10.0
Beryllium					Not detected	1.0
Cadmium					Not detected	3.0
Calcium					65100	20.0
Chromium					126	5.0
Cobalt					31.0	5.0
Copper					181	5.0
Iron					32100	5.0
Lead					117	3.0
Magnesium					26100	10.0
Manganese					335	5.0
Nickel					420	5.0
Potassium					14000	30.0
Selenium					14.3	10.0
Silver					Not detected	5.0
Sodium					345000	50.0
Thallium					Not detected	10.0
Vanadium					67.0	10.0
Zinc					145	20.0
Mercury	SW846-7470	mg/L	---	---	0.0005	0.0002

Client Sample ID			GP-29		GP-32	
York Sample ID			04020294-03		04020294-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---	---	---
4,4'-DDD			Not detected	0.05	Not detected	0.05
4,4'-DDE			Not detected	0.05	Not detected	0.05
4,4'-DDT			Not detected	0.05	Not detected	0.05
Aldrin			Not detected	0.05	Not detected	0.05
alpha-BHC			Not detected	0.05	Not detected	0.05
beta-BHC			Not detected	0.05	Not detected	0.05
Chlordane			Not detected	0.2	Not detected	0.2

**YORK**

Client Sample ID			GP-29		GP-32	
York Sample ID			04020294-03		04020294-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
delta-BHC			Not detected	0.05	Not detected	0.05
Dieldrin			Not detected	0.05	Not detected	0.05
Endosulfan I			Not detected	0.05	Not detected	0.05
Endosulfan II			Not detected	0.05	Not detected	0.05
Endosulfan sulfate			Not detected	0.05	Not detected	0.05
Endrin			Not detected	0.05	Not detected	0.05
Endrin aldehyde			Not detected	0.05	Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05	Not detected	0.05
Heptachlor			Not detected	0.05	Not detected	0.05
Heptachlor epoxide			Not detected	0.05	Not detected	0.05
Methoxychlor			Not detected	0.2	Not detected	0.2
Toxaphene			Not detected	2.0	Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1

**YORK**

Client Sample ID			GP-29		GP-32	
York Sample ID			04020294-03		04020294-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	10	1.1 J	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10
Benzo[a]anthracene			Not detected	10	Not detected	10
Benzo[a]pyrene			Not detected	10	Not detected	10
Benzo[b]fluoranthene			Not detected	10	Not detected	10
Benzo[g,h,i]perylene			Not detected	10	Not detected	10
Benzo[k]fluoranthene			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenz[a,h]anthracene			Not detected	10	Not detected	10
Fluoranthene			Not detected	10	Not detected	10
Fluorene			Not detected	10	Not detected	10
Indeno[1,2,3-cd]pyrene			Not detected	10	Not detected	10
Naphthalene			1.4 J	10	1.4 J	10
Phenanthrene			Not detected	10	Not detected	10
Pyrene			Not detected	10	1.2 J	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---	---	---
PCB 1016			Not detected	0.2	Not detected	0.2
PCB 1221			Not detected	0.2	Not detected	0.2
PCB 1232			Not detected	0.2	Not detected	0.2
PCB 1242			Not detected	0.2	Not detected	0.2
PCB 1248			Not detected	0.2	Not detected	0.2
PCB 1254			Not detected	0.2	Not detected	0.2
PCB 1260			Not detected	0.2	Not detected	0.2
PCB, Total			Not detected	0.2	Not detected	0.2

**YORK**

Client Sample ID			GP-29		GP-32	
York Sample ID			04020294-03		04020294-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			318	5.0	113	5.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			40.6	10.0	35.6	10.0
Beryllium			Not detected	1.0	Not detected	1.0
Cadmium			Not detected	3.0	Not detected	3.0
Calcium			3370	20.0	3140	20.0
Chromium			Not detected	5.0	Not detected	5.0
Cobalt			18.5	5.0	18.8	5.0
Copper			21.8	5.0	26.1	5.0
Iron			730	5.0	594	5.0
Lead			Not detected	3.0	Not detected	3.0
Magnesium			1780	10.0	1800	10.0
Manganese			10.2	5.0	7.7	5.0
Nickel			12.9	5.0	11.0	5.0
Potassium			11600	30.0	11200	30.0
Selenium			12.4	10.0	15.7	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			964000	50.0	980000	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			23.1	10.0	22.3	10.0
Zinc			Not detected	20.0	Not detected	20.0
Mercury, Dissolved	SW-846-7470	mg/L	0.0003	0.0002	Not detected	0.0002
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			16600	5.0	43400	5.0
Antimony			Not detected	5.0	9.1	5.0
Arsenic			16.5	10.0	15.7	10.0
Barium			664	10.0	670	10.0
Beryllium			1.7	1.0	1.7	1.0
Cadmium			Not detected	3.0	Not detected	3.0
Calcium			28400	20.0	48900	20.0
Chromium			94.9	5.0	555	5.0
Cobalt			47.4	5.0	78.5	5.0
Copper			88.5	5.0	148	5.0
Iron			36300	5.0	80500	5.0
Lead			183	3.0	219	3.0
Magnesium			7860	10.0	21100	10.0
Manganese			3890	5.0	4380	5.0
Nickel			63.4	5.0	331	5.0
Potassium			14900	30.0	18200	30.0
Selenium			15.0	10.0	12.2	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			986000	50.0	982000	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			64.9	10.0	139	10.0
Zinc			145	20.0	300	20.0
Mercury	SW846-7470	mg/L	0.0007	0.0002	0.0003	0.0002

**YORK**

Client Sample ID			GP-24		GP-25	
York Sample ID			04020294-05		04020294-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---	---	---
4,4'-DDD			Not detected	0.05	Not detected	0.05
4,4'-DDE			Not detected	0.05	Not detected	0.05
4,4'-DDT			Not detected	0.05	Not detected	0.05
Aldrin			Not detected	0.05	Not detected	0.05
alpha-BHC			Not detected	0.05	Not detected	0.05
beta-BHC			Not detected	0.05	Not detected	0.05
Chlordane			Not detected	0.2	Not detected	0.2
delta-BHC			Not detected	0.05	Not detected	0.05
Dieldrin			Not detected	0.05	Not detected	0.05
Endosulfan I			Not detected	0.05	Not detected	0.05
Endosulfan II			Not detected	0.05	Not detected	0.05
Endosulfan sulfate			Not detected	0.05	Not detected	0.05
Endrin			Not detected	0.05	Not detected	0.05
Endrin aldehyde			Not detected	0.05	Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05	Not detected	0.05
Heptachlor			Not detected	0.05	Not detected	0.05
Heptachlor epoxide			Not detected	0.05	Not detected	0.05
Methoxychlor			Not detected	0.2	Not detected	0.2
Toxaphene			Not detected	2.0	Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			150	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			44	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			38	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1

**YORK**

Client Sample ID			GP-24		GP-25	
York Sample ID			04020294-05		04020294-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			11	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			12	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			21	1	Not detected	1
n-Butylbenzene			4	1	Not detected	1
n-Propylbenzene			12	1	Not detected	1
o-Xylene			34	1	Not detected	1
p- & m-Xylenes			92	1	Not detected	1
p-Isopropyltoluene			5	1	Not detected	1
sec-Butylbenzene			4	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			3	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			1	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	50	Not detected	10
Acenaphthylene			Not detected	50	Not detected	10
Anthracene			Not detected	50	Not detected	10
Benzo[a]anthracene			Not detected	50	Not detected	10
Benzo[a]pyrene			Not detected	50	Not detected	10
Benzo[b]fluoranthene			Not detected	50	Not detected	10
Benzo[g,h,i]perylene			Not detected	50	Not detected	10
Benzo[k]fluoranthene			Not detected	50	Not detected	10
Chrysene			Not detected	50	Not detected	10
Dibenz[a,h]anthracene			Not detected	50	Not detected	10
Fluoranthene			Not detected	50	Not detected	10
Fluorene			Not detected	50	Not detected	10
Indeno[1,2,3-cd]pyrene			Not detected	50	Not detected	10
Naphthalene			15 J	50	Not detected	10
Phenanthrene			Not detected	50	Not detected	10
Pyrene			Not detected	50	Not detected	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---	---	---
PCB 1016			Not detected	0.2	Not detected	0.2
PCB 1221			Not detected	0.2	Not detected	0.2
PCB 1232			Not detected	0.2	Not detected	0.2

**YORK**



Client Sample ID			GP-24		GP-25	
York Sample ID			04020294-05		04020294-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1242			Not detected	0.2	Not detected	0.2
PCB 1248			Not detected	0.2	Not detected	0.2
PCB 1254			Not detected	0.2	Not detected	0.2
PCB 1260			Not detected	0.2	Not detected	0.2
PCB, Total			Not detected	0.2	Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			60.0	5.0	40.6	5.0
Antimony			Not detected	5.0	Not detected	5.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			391	10.0	284	10.0
Beryllium			Not detected	1.0	Not detected	1.0
Cadmium			Not detected	3.0	Not detected	3.0
Calcium			110000	20.0	97600	20.0
Chromium			6.2	5.0	Not detected	5.0
Cobalt			22.2	5.0	Not detected	5.0
Copper			Not detected	5.0	Not detected	5.0
Iron			459	5.0	15.4	5.0
Lead			3.0	3.0	8.2	3.0
Magnesium			35400	10.0	22800	10.0
Manganese			7620	5.0	131	5.0
Nickel			5.4	5.0	5.4	5.0
Potassium			17800	30.0	11100	30.0
Selenium			13.4	10.0	Not detected	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			122000	50.0	120000	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			Not detected	10.0	Not detected	10.0
Zinc			Not detected	20.0	Not detected	20.0
Mercury, Dissolved	SW-846-7470	mg/L	Not detected	0.0002	Not detected	0.0002
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			12300	5.0	13800	5.0
Antimony			5.6	5.0	Not detected	5.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			1380	10.0	1170	10.0
Beryllium			Not detected	1.0	Not detected	1.0
Cadmium			Not detected	3.0	Not detected	3.0
Calcium			148000	20.0	383000	20.0
Chromium			230	5.0	127	5.0
Cobalt			713	5.0	15.4	5.0
Copper			50.4	5.0	11.8	5.0
Iron			185000	5.0	41700	5.0
Lead			327	3.0	6480	3.0
Magnesium			43400	10.0	47900	10.0
Manganese			9580	5.0	1220	5.0
Nickel			81.4	5.0	61.8	5.0
Potassium			20800	30.0	13900	30.0
Selenium			23.5	10.0	11.4	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			148000	50.0	132000	50.0
Thallium			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			GP-24		GP-25	
York Sample ID			04020294-05		04020294-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Vanadium			72.5	10.0	51.7	10.0
Zinc			18300	20.0	2820	20.0
Mercury	SW846-7470	mg/L	Not detected	0.0002	0.0009	0.0002

Client Sample ID			GP-26	
York Sample ID			04020294-07	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---
4,4'-DDD			Not detected	0.05
4,4'-DDE			Not detected	0.05
4,4'-DDT			Not detected	0.05
Aldrin			Not detected	0.05
alpha-BHC			Not detected	0.05
beta-BHC			Not detected	0.05
Chlordane			Not detected	0.2
delta-BHC			Not detected	0.05
Dieldrin			Not detected	0.05
Endosulfan I			Not detected	0.05
Endosulfan II			Not detected	0.05
Endosulfan sulfate			Not detected	0.05
Endrin			Not detected	0.05
Endrin aldehyde			Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05
Heptachlor			Not detected	0.05
Heptachlor epoxide			Not detected	0.05
Methoxychlor			Not detected	0.2
Toxaphene			Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1

**YORK**

Client Sample ID			GP-26	
York Sample ID			04020294-07	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			Not detected	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---
Acenaphthene			Not detected	10
Acenaphthylene			Not detected	10
Anthracene			Not detected	10
Benzo[a]anthracene			Not detected	10
Benzo[a]pyrene			Not detected	10
Benzo[b]fluoranthene			Not detected	10
Benzo[g,h,i]perylene			Not detected	10
Benzo[k]fluoranthene			Not detected	10
Chrysene			Not detected	10
Dibenz[a,h]anthracene			Not detected	10

**YORK**

Client Sample ID			GP-26	
York Sample ID			04020294-07	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Fluoranthene			Not detected	10
Fluorene			Not detected	10
Indeno[1,2,3-cd]pyrene			Not detected	10
Naphthalene			Not detected	10
Phenanthrene			Not detected	10
Pyrene			Not detected	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---
PCB 1016			Not detected	0.2
PCB 1221			Not detected	0.2
PCB 1232			Not detected	0.2
PCB 1242			Not detected	0.2
PCB 1248			Not detected	0.2
PCB 1254			Not detected	0.2
PCB 1260			Not detected	0.2
PCB, Total			Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---
Aluminum			49.6	5.0
Antimony			Not detected	5.0
Arsenic			Not detected	10.0
Barium			61.5	10.0
Beryllium			Not detected	1.0
Cadmium			Not detected	3.0
Calcium			133000	20.0
Chromium			Not detected	5.0
Cobalt			Not detected	5.0
Copper			Not detected	5.0
Iron			Not detected	5.0
Lead			40.3	3.0
Magnesium			32300	10.0
Manganese			190	5.0
Nickel			5.6	5.0
Potassium			11900	30.0
Selenium			Not detected	10.0
Silver			Not detected	5.0
Sodium			60600	50.0
Thallium			Not detected	10.0
Vanadium			Not detected	10.0
Zinc			54.0	20.0
Mercury, Dissolved	SW-846-7470	mg/L	Not detected	0.0002
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---
Aluminum			16100	5.0
Antimony			9.9	5.0
Arsenic			22.1	10.0
Barium			2850	10.0
Beryllium			Not detected	1.0
Cadmium			6.6	3.0
Calcium			595000	20.0
Chromium			101	5.0
Cobalt			10.9	5.0
Copper			498	5.0
Iron			27000	5.0

**YORK**

Client Sample ID			GP-26	
York Sample ID			04020294-07	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Lead			41200	3.0
Magnesium			51200	10.0
Manganese			1730	5.0
Nickel			42.5	5.0
Potassium			15600	30.0
Selenium			12.9	10.0
Silver			Not detected	5.0
Sodium			70500	50.0
Thallium			Not detected	10.0
Vanadium			84.2	10.0
Zinc			4090	20.0
Mercury	SW846-7470	mg/L	0.0096	0.0002

Client Sample ID			EB-2/12-GW	
York Sample ID			04020294-08	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---
4,4'-DDD			Not detected	0.06
4,4'-DDE			Not detected	0.06
4,4'-DDT			Not detected	0.06
Aldrin			Not detected	0.06
alpha-BHC			Not detected	0.06
beta-BHC			Not detected	0.06
Chlordane			Not detected	0.24
delta-BHC			Not detected	0.06
Dieldrin			Not detected	0.06
Endosulfan I			Not detected	0.06
Endosulfan II			Not detected	0.06
Endosulfan sulfate			Not detected	0.06
Endrin			Not detected	0.06
Endrin aldehyde			Not detected	0.06
gamma-BHC (Lindane)			Not detected	0.06
Heptachlor			Not detected	0.06
Heptachlor epoxide			Not detected	0.06
Methoxychlor			Not detected	0.24
Toxaphene			Not detected	2.4
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1

**YORK**

<b>Client Sample ID</b>			<b>EB-2/12-GW</b>	
<b>York Sample ID</b>			<b>04020294-08</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			Not detected	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---
Acenaphthene			Not detected	10
Acenaphthylene			Not detected	10

**YORK**

<b>Client Sample ID</b>			<b>EB-2/12-GW</b>	
<b>York Sample ID</b>			<b>04020294-08</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Anthracene			Not detected	10
Benzo[a]anthracene			Not detected	10
Benzo[a]pyrene			Not detected	10
Benzo[b]fluoranthene			Not detected	10
Benzo[g,h,i]perylene			Not detected	10
Benzo[k]fluoranthene			Not detected	10
Chrysene			Not detected	10
Dibenz[a,h]anthracene			Not detected	10
Fluoranthene			Not detected	10
Fluorene			Not detected	10
Indeno[1,2,3-cd]pyrene			Not detected	10
Naphthalene			Not detected	10
Phenanthrene			Not detected	10
Pyrene			Not detected	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---
PCB 1016			Not detected	0.24
PCB 1221			Not detected	0.24
PCB 1232			Not detected	0.24
PCB 1242			Not detected	0.24
PCB 1248			Not detected	0.24
PCB 1254			Not detected	0.24
PCB 1260			Not detected	0.24
PCB, Total			Not detected	0.24
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---
Aluminum			Not detected	5.0
Antimony			Not detected	5.0
Arsenic			Not detected	10.0
Barium			Not detected	10.0
Beryllium			Not detected	1.0
Cadmium			Not detected	3.0
Calcium			Not detected	20.0
Chromium			Not detected	5.0
Cobalt			Not detected	5.0
Copper			Not detected	5.0
Iron			Not detected	5.0
Lead			8.7	3.0
Magnesium			Not detected	10.0
Manganese			Not detected	5.0
Nickel			Not detected	5.0
Potassium			Not detected	30.0
Selenium			Not detected	10.0
Silver			Not detected	5.0
Sodium			111	50.0
Thallium			Not detected	10.0
Vanadium			Not detected	10.0
Zinc			Not detected	20.0
Mercury	SW846-7470	mg/L	Not detected	0.0002

**Units Key:**

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

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

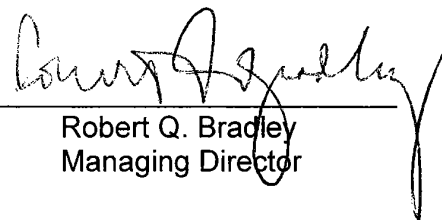
**YORK**

Report Date: 2/23/2004  
Client Project ID: NYDEP/Maspeth/SDG-3  
York Project No.: 04020294

**Notes for York Project No. 04020294**

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.
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: 2/23/2004

**YORK**



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# YORK

ANALYTICAL LABORATORIES, INC.

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## Definitions for FLAGS used as a Results Suffix

Flags are sometimes used on results to indicate certain occurrences during the analysis process. The most common flags used by York are defined below.

<u>FLAG</u>	<u>DEFINITION</u>
<b>J</b>	J indicates an estimated value. This flag applies to Tentatively Identified Compounds or, when requested, for a target compound whose result is less than the reporting limit but whose mass spectral data meet identification criteria. For example if the reporting limit is listed as 10 ppb and the analysis shows 3 ppb, the result can be reported as 3 J. The client must request the use of J flags for the laboratory to report such flags.
<b>B</b>	B indicates that the analyte was also found in the associated batch method blank. This flag indicates possible/probable blank contamination and warns the data user to be aware. This mostly applies to the volatiles acetone and methylene chloride and the semi-volatiles bis-(2-ethylhexyl) phthalate and other phthalates.
<b>E</b>	This flag is used to indicate that the reported concentration of an analyte exceeded the calibration range of the analytical system. In this case the result reported is treated as a minimum value. This often applies where clients request an additional analyte after sample analysis, such as acetone, where the initial analysis did not require dilution since acetone was not a target compound. This flag will also apply if after numerous dilutions a specific target compound would significantly dilute out all other targets.

# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

Page 1 of 1

04020294

<b>Company Name</b> Envirosience Consultants Inc	<b>Report To:</b> Greg Meresio	<b>Invoice To:</b> Same	<b>Project ID/No.</b> NYCDEP/Water/SOG-3	<b>Samples Collected By (Signature)</b> Tracy Wall	<b>Name (Printed)</b> Tracy Wall
---	-----------------------------------	----------------------------	---	---	-------------------------------------

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
1	TB-2/12	2/12/04	X				VOCs ONLY 2-40 mL HCL	
2	GP-23/MSD		X				VOCs, SVOCs (PAHs ONLY), Pesticides, PCBs, TAL Total & Dissolved Metals 1-40 mL HCL	
3	GP-29		X				2-250 mL HCL 1-250 mL HCL	
4	GP-32		X				1-250 mL HCL 1-250 mL HCL	
5	GP-24		X					
6	GP-25		X					
7	GP-26		X					
8	EB-2/12/GW		X				VOCs, SVOCs (PAHs ONLY) Pesticides, PCBs, TAL Total, Metals 2-40 mL HCL 1-250 mL HCL	

<b>Chain-of-Custody Record</b>	<b>Sample Relinquished by</b> Tracy Wall	<b>Date/Time</b> 2/12/04 4:30P	<b>Sample Received by</b> J. [Signature]	<b>Date/Time</b> 2-13-04/1630
<b>Bottles Relinquished from Lab by</b> Tracy Wall	<b>Date/Time</b> 2/12/04 4:30	<b>Sample Relinquished by</b>	<b>Date/Time</b>	<b>Sample Received in LAB by</b>
<b>Bottles Received in Field by</b>				
<b>Comments/Special Instructions</b> Lab to filter for dissolved metals NY SOEC CAT B Delivered				
<b>Turn-Around Time</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH(define)				

# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

0400294

<b>Company Name</b> Environmental Consultants Inc	<b>Report To:</b> Greg Mercurio	<b>Invoice To:</b> Same	<b>Project ID/No.</b> NYCDEP/water/SDG-3	<b>Sample Collected By (Signature)</b> Tracy Wall	<b>Name (Printed)</b> Tracy Wall
--	------------------------------------	----------------------------	---	--	-------------------------------------

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
1	TB-2/12	2/12/04	X			VOCs ONLY	2-40 mL HCL
2	GP-23/12/SD		X			VOCs, SVOCs (PARTS ONLY), Pesticides, PCBs, TAL Total & Dissolved Metals	2-40 mL HCL 9-10 mL HNO3 1-250 mL HNO3
3	GP-29		X				2-40 mL HCL 1-250 mL HNO3
4	GP-32		X				4-40 mL HCL 1-250 mL HNO3
5	GP-24		X				1-250 mL HNO3
6	GP-25		X				1-250 mL HNO3
7	GP-26		X				
8	EB-2/12(GW)		X			VOCs, SVOCs (PARTS ONLY) Pesticides, PCBs, TAL Total Metals	2-40 mL HCL 4-40 mL HNO3 1-250 mL HNO3

<b>Chain-of-Custody Record</b>	
Bottles Relinquished from Lab by <i>Tracy Wall</i>	Date/Time 2/12/04 0630
Bottles Received in Field by <i>Greg Mercurio</i>	Date/Time 2/12/04 430P
Sample Relinquished by <i>Greg Mercurio</i>	Date/Time 2-13-04 1630
Sample Relinquished by <i>Greg Mercurio</i>	Date/Time 2-13-04 1630
<b>Comments/Special Instructions</b> Lab to filter for dissolved metals NY SDEC CAT B Delivered	
<b>Turn-Around Time</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH(define)	

# YORK

York Analytical Laboratories, Inc.

## Invoice

Invoice Date: 4/21/2004

Invoice Number: 59526

To: **Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Remit to: **York Analytical Laboratories, Inc—NOTE NEW ADDRESS**  
120 Research Drive  
Stratford, CT 06615  
Attention: Accounts Receivable

*Your Purchase Order/Authorization: Verbal: Greg Menegio*

*Our Sample References: 04040335*

*Your Project Reference: 57-15 49th St. Maspeth/SDG 7-Soil*

*Samples Received On: 04/12/04*

### Detailed Invoice information

Analysis Name	Quantity	Unit Price	Total Price
Volatiles-8260 list-water	1	\$90.00	\$90.00
Base/Neutral Extractables-water	1	\$140.00	\$140.00
Pesticides/PCBs-water	1	\$95.00	\$95.00
Metals, Target Analyte List(TAL) -water	1	\$100.00	\$100.00
Volatiles-8260 list	2	\$90.00	\$180.00
Base/Neutral Extractables soil	2	\$140.00	\$280.00
Pesticides/PCBs	2	\$95.00	\$190.00
Metals, Target Analyte List(TAL)	2	\$100.00	\$200.00
QA/QC Data Package (included)	1	\$0.00	\$0.00
<b>Invoice Total</b>			<b>\$1,275.00</b>

We appreciate your business and your continued support. We remain committed to supplying you the highest quality and service possible. If you have any questions about this invoice, please contact us at (203) 325-1371.

#### **TERMS NET 30 DAYS**

*Original Invoice = Blue      Copies = White*

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Report Date: 4/21/2004

**Re: Client Project ID: 57-15 49th St. Maspeth/SDG 7-Soil**  
York Project No.: 04040335

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Report Date: 4/21/2004  
 Client Project ID: 57-15 49th St. Maspeth/SDG 7-Soil  
 York Project No.: 04040335

**Enviroscience Consultants, Inc.**  
 33 Flying Point Road, Suite 208  
 Southhampton, NY 11968  
 Attention: Greg Menegio

## 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 04/12/04. The project was identified as your project "57-15 49th St. Maspeth/SDG 7-Soil".

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			TB-4/6		EB-4/6	
York Sample ID			04040335-01		04040335-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---	---	---
4,4'-DDD					Not detected	0.05
4,4'-DDE					Not detected	0.05
4,4'-DDT					Not detected	0.05
Aldrin					Not detected	0.05
alpha-BHC					Not detected	0.05
beta-BHC					Not detected	0.05
Chlordane					Not detected	0.2
delta-BHC					Not detected	0.05
Dieldrin					Not detected	0.05
Endosulfan I					Not detected	0.05
Endosulfan II					Not detected	0.05
Endosulfan sulfate					Not detected	0.05
Endrin					Not detected	0.05
Endrin aldehyde					Not detected	0.05
gamma-BHC (Lindane)					Not detected	0.05
Heptachlor					Not detected	0.05

**YORK**

Client Sample ID			TB-4/6		EB-4/6	
York Sample ID			04040335-01		04040335-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Heptachlor epoxide					Not detected	0.05
Methoxychlor					Not detected	0.2
Toxaphene					Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			5 B	1	5 B	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1

**YORK**

Client Sample ID			TB-4/6		EB-4/6	
York Sample ID			04040335-01		04040335-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
<b>Base/Neutral Extractables water</b>	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene					Not detected	10
1,2-Dichlorobenzene					Not detected	10
1,3-Dichlorobenzene					Not detected	10
1,4-Dichlorobenzene					Not detected	10
2,4-Dinitrotoluene					Not detected	10
2,6-Dinitrotoluene					Not detected	10
2-Chloronaphthalene					Not detected	10
2-Methylnaphthalene					Not detected	10
2-Nitroaniline					Not detected	10
3,3'-Dichlorobenzidine					Not detected	10
3-Nitroaniline					Not detected	10
4-Bromophenyl phenyl ether					Not detected	10
4-Chloroaniline					Not detected	10
4-Chlorophenyl phenyl ether					Not detected	10
4-Nitroaniline					Not detected	10
Acenaphthene					Not detected	10
Acenaphthylene					Not detected	10
Anthracene					Not detected	10
Benzo(a)anthracene					Not detected	10
Benzo(a)pyrene					Not detected	10
Benzo(b)fluoranthene					Not detected	10
Benzo(g,h,i)perylene					Not detected	10
Benzo(k)fluoranthene					Not detected	10
Bis(2-chloroethoxy)methane					Not detected	10
Bis(2-chloroethyl)ether					Not detected	10
Bis(2-chloroisopropyl)ether					Not detected	10
Bis(2-ethylhexyl)phthalate					Not detected	10
Butyl benzyl phthalate					Not detected	10
Carbazole					Not detected	10
Chrysene					Not detected	10
Dibenzo(a,h)anthracene					Not detected	10
Dibenzofuran					Not detected	10
Diethylphthalate					Not detected	10
Dimethylphthalate					Not detected	10
Di-n-butylphthalate					Not detected	10
Di-n-octylphthalate					Not detected	10
Fluoranthene					Not detected	10

**YORK**



Client Sample ID			TB-4/6		EB-4/6	
York Sample ID			04040335-01		04040335-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Fluorene					Not detected	10
Hexachlorobenzene					Not detected	10
Hexachlorobutadiene					Not detected	10
Hexachlorocyclopentadiene					Not detected	10
Hexachloroethane					Not detected	10
Indeno(1,2,3-cd)pyrene					Not detected	10
Isophorone					Not detected	10
Naphthalene					Not detected	10
Nitrobenzene					Not detected	10
N-Nitrosodi-n-propylamine					Not detected	10
N-Nitrosodiphenylamine					Not detected	10
Phenanthrene					Not detected	10
Pyrene					Not detected	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---	---	---
PCB 1016					Not detected	0.2
PCB 1221					Not detected	0.2
PCB 1232					Not detected	0.2
PCB 1242					Not detected	0.2
PCB 1248					Not detected	0.2
PCB 1254					Not detected	0.2
PCB 1260					Not detected	0.2
PCB, Total					Not detected	0.2
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum					Not detected	5.0
Antimony					Not detected	5.0
Arsenic					Not detected	10.0
Barium					Not detected	10.0
Beryllium					Not detected	1.0
Cadmium					Not detected	3.0
Calcium					32.0	20.0
Chromium					Not detected	5.0
Cobalt					Not detected	5.0
Copper					Not detected	5.0
Iron					Not detected	5.0
Lead					Not detected	3.0
Magnesium					Not detected	10.0
Manganese					Not detected	5.0
Nickel					Not detected	5.0
Potassium					Not detected	30.0
Selenium					Not detected	10.0
Silver					Not detected	5.0
Sodium					Not detected	50.0
Thallium					Not detected	10.0
Vanadium					Not detected	10.0
Zinc					Not detected	20.0
Mercury	SW846-7470	mg/L	---	---	Not detected	0.0002

**YORK**

Client Sample ID			MW15A		MW15B	
York Sample ID			04040335-03		04040335-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			60.0	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	5	Not detected	5
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	300	Not detected	300
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,1,1,2-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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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

**YORK**

Client Sample ID			MW15A		MW15B	
York Sample ID			04040335-03		04040335-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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			33 B	5.0	98 B	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-1,3-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
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	1700	Not detected	1700
1,2-Dichlorobenzene			Not detected	1700	Not detected	1700
1,3-Dichlorobenzene			Not detected	1700	Not detected	1700
1,4-Dichlorobenzene			Not detected	1700	Not detected	1700
2,4-Dinitrotoluene			Not detected	1700	Not detected	1700
2,6-Dinitrotoluene			Not detected	1700	Not detected	1700
2-Chloronaphthalene			Not detected	1700	Not detected	1700
2-Methylnaphthalene			Not detected	1700	460 J	1700
2-Nitroaniline			Not detected	1700	Not detected	1700
3,3'-Dichlorobenzidine			Not detected	1700	Not detected	1700
3-Nitroaniline			Not detected	1700	Not detected	1700
4-Bromophenyl phenyl ether			Not detected	1700	Not detected	1700
4-Chloroaniline			Not detected	1700	Not detected	1700
4-Chlorophenyl phenyl ether			Not detected	1700	Not detected	1700
4-Nitroaniline			Not detected	1700	Not detected	1700
Acenaphthene			Not detected	1700	760 J	1700
Acenaphthylene			Not detected	1700	Not detected	1700
Anthracene			Not detected	1700	1700	1700
Benzo(a)anthracene			1100 J	1700	2500	1700

**YORK**

Client Sample ID			MW15A		MW15B	
York Sample ID			04040335-03		04040335-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzo(a)pyrene			930 J	1700	2100	1700
Benzo(b)fluoranthene			860 J	1700	1800	1700
Benzo(g,h,i)perylene			570 J	1700	1200 J	1700
Benzo(k)fluoranthene			960 J	1700	1900	1700
Bis(2-chloroethoxy)methane			Not detected	1700	Not detected	1700
Bis(2-chloroethyl)ether			Not detected	1700	Not detected	1700
Bis(2-chloroisopropyl)ether			Not detected	1700	Not detected	1700
Bis(2-ethylhexyl)phthalate			2300	1700	15000	1700
Butyl benzyl phthalate			Not detected	1700	Not detected	1700
Carbazole			Not detected	750	Not detected	750
Chrysene			1100 J	1700	2200	1700
Dibenzo(a,h)anthracene			270 J	1700	500 J	1700
Dibenzofuran			Not detected	1700	650 J	1700
Diethylphthalate			Not detected	1700	Not detected	1700
Dimethylphthalate			Not detected	1700	Not detected	1700
Di-n-butylphthalate			Not detected	1700	Not detected	1700
Di-n-octylphthalate			Not detected	1700	Not detected	1700
Fluoranthene			2200	1700	6000	1700
Fluorene			Not detected	1700	930 J	1700
Hexachlorobenzene			Not detected	1700	Not detected	1700
Hexachlorobutadiene			Not detected	1700	Not detected	1700
Hexachlorocyclopentadiene			Not detected	1700	Not detected	1700
Hexachloroethane			Not detected	1700	Not detected	1700
Indeno(1,2,3-cd)pyrene			550 J	1700	1200 J	1700
Isophorone			Not detected	1700	Not detected	1700
Naphthalene			Not detected	1700	910 J	1700
Nitrobenzene			Not detected	1700	Not detected	1700
N-Nitrosodi-n-propylamine			Not detected	1700	Not detected	1700
N-Nitrosodiphenylamine			Not detected	1700	Not detected	1700
Phenanthrene			1000 J	1700	6100	1700
Pyrene			2000	1700	5500	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			0.10	0.02	0.03	0.02
PCB 1260			0.11	0.02	0.02	0.02
PCB, Total			0.21	0.02	0.05	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			8040	1.00	9140	1.00
Antimony			2.79	1.00	9.70	1.00
Arsenic			9.04	1.00	9.11	1.00
Barium			279	1.00	404	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			5.28	0.500	4.42	0.500
Calcium			7610	2.00	24400	2.00
Chromium			94.6	0.500	151	0.500
Cobalt			174	1.00	218	1.00
Copper			1020	1.00	1580	1.00

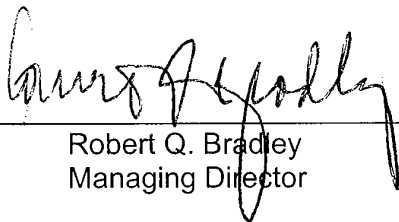
**YORK**

Client Sample ID			MW15A		MW15B	
York Sample ID			04040335-03		04040335-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Iron			41300	1.00	52000	1.00
Lead			704	1.00	1560	1.00
Magnesium			4450	2.00	6160	2.00
Manganese			411	1.00	404	1.00
Nickel			64.8	1.00	90.1	1.00
Potassium			1470	3.00	1900	3.00
Selenium			Not detected	1.00	Not detected	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			5060	5.00	7310	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			34.1	2.00	41.6	2.00
Zinc			5470	2.00	8100	2.00
Mercury	SW846-7471	mg/kg	0.79	0.10	1.13	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. 04040335**

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.
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: 4/21/2004

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

Company Name: EnviroScience Consultants, Inc.  
 Report To: Greg Meryjo  
 Invoice To: Same  
 Project ID/No.: 57-15 49th St. Maspets  
SDG-7 - Soil  
 Signatures Collected By (Signature): Tracy Wall  
 Name (Printed): Tracy Wall

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
1	TB-4/6	4/6/04	X				VOCs ONLY 2-40mL/HCC	
2	MW15A	↓		X			VOCs, SVOCs (PAHs, BNS) Pesticides, PCBs, Total TAL Metals	
3	MW15B	↓		X			2-8oz jar/box 3-1L Amber jar/box 2-40mL/HCC 1-250mL 1N.Hic	
5	EB-4/6	↓	X					

### Chain-of-Custody Record

Bottles Relinquished from Lab by: Tracy Wall Date/Time: 4/6/04 0630  
 Bottles Received in Field by: Greg Meryjo Date/Time: 4/12/04 11:45  
 Sample Relinquished by: Greg Meryjo Date/Time: 4/12/04 11:45  
 Sample Received in Lab by: Wang Date/Time: 4/12/04  
 Turn-Around Time:  Standard  RUSH (define) \_\_\_\_\_  
 Comments/Special Instructions: NYSDEC CATB Deliverables ASP

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Report Date: 4/2/2004  
*Re: Client Project ID: 57-15 49th St. Maspeth*  
York Project No.: 04030446

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Report Date: 4/2/2004  
 Client Project ID: 57-15 49th St. Maspeth  
 York Project No.: 04030446

**Enviroscience Consultants, Inc.**  
 33 Flying Point Road  
 Suite 208  
 Southhampton, NY 11968  
 Attention: Greg Menegio

## 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 03/15/04. The project was identified as your project "57-15 49th St. Maspeth".

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			TP-4		TP-5	
York Sample ID			04030446-01		04030446-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	5	Not detected	5
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10

**YORK**



Client Sample ID			TP-4		TP-5	
York Sample ID			04030446-01		04030446-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	300	Not detected	300
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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			290 B	5.0	110 B	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0

**YORK**

Client Sample ID			TP-4		TP-5	
York Sample ID			04030446-01		04030446-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	1700	Not detected	1700
1,2-Dichlorobenzene			Not detected	1700	Not detected	1700
1,3-Dichlorobenzene			Not detected	1700	Not detected	1700
1,4-Dichlorobenzene			Not detected	1700	Not detected	1700
2,4-Dinitrotoluene			Not detected	1700	Not detected	1700
2,6-Dinitrotoluene			Not detected	1700	Not detected	1700
2-Chloronaphthalene			Not detected	1700	Not detected	1700
2-Methylnaphthalene			410 J	1700	Not detected	1700
2-Nitroaniline			Not detected	1700	Not detected	1700
3,3'-Dichlorobenzidine			Not detected	1700	Not detected	1700
3-Nitroaniline			Not detected	1700	Not detected	1700
4-Bromophenyl phenyl ether			Not detected	1700	Not detected	1700
4-Chloroaniline			Not detected	1700	Not detected	1700
4-Chlorophenyl phenyl ether			Not detected	1700	Not detected	1700
4-Nitroaniline			Not detected	1700	Not detected	1700
Acenaphthene			1500 J	1700	Not detected	1700
Acenaphthylene			Not detected	1700	Not detected	1700
Anthracene			2000	1700	360 J	1700
Benzo(a)anthracene			3900	1700	1100 J	1700
Benzo(a)pyrene			2800	1700	930 J	1700
Benzo(b)fluoranthene			2600	1700	960 J	1700
Benzo(g,h,i)perylene			1000 J	1700	Not detected	1700
Benzo(k)fluoranthene			3100	1700	1000 J	1700
Bis(2-chloroethoxy)methane			Not detected	1700	Not detected	1700
Bis(2-chloroethyl)ether			Not detected	1700	Not detected	1700
Bis(2-chloroisopropyl)ether			Not detected	1700	Not detected	1700
Bis(2-ethylhexyl)phthalate			2200	1700	1500 J	1700
Butyl benzyl phthalate			Not detected	1700	Not detected	1700
Carbazole			Not detected	750	Not detected	750
Chrysene			3600	1700	1000 J	1700
Dibenzo(a,h)anthracene			430 J	1700	Not detected	1700
Dibenzofuran			560 J	1700	Not detected	1700
Diethylphthalate			Not detected	1700	Not detected	1700
Dimethylphthalate			Not detected	1700	Not detected	1700
Di-n-butylphthalate			Not detected	1700	Not detected	1700
Di-n-octylphthalate			Not detected	1700	Not detected	1700
Fluoranthene			7000	1700	1900 J	1700

**YORK**

Client Sample ID			TP-4		TP-5	
York Sample ID			04030446-01		04030446-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Fluorene			1100 J	1700	Not detected	1700
Hexachlorobenzene			Not detected	1700	Not detected	1700
Hexachlorobutadiene			Not detected	1700	Not detected	1700
Hexachlorocyclopentadiene			Not detected	1700	Not detected	1700
Hexachloroethane			Not detected	1700	Not detected	1700
Indeno(1,2,3-cd)pyrene			940 J	1700	Not detected	1700
Isophorone			Not detected	1700	Not detected	1700
Naphthalene			960 J	1700	Not detected	1700
Nitrobenzene			Not detected	1700	Not detected	1700
N-Nitrosodi-n-propylamine			Not detected	1700	Not detected	1700
N-Nitrosodiphenylamine			Not detected	1700	Not detected	1700
Phenanthrene			6400	1700	1100 J	1700
Pyrene			6400	1700	1600 J	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			0.08	0.02	0.10	0.02
PCB, Total			0.08	0.02	0.10	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			11200	10.0	17000	10.0
Antimony			16.1	10.0	20.4	10.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			740	10.0	716	10.0
Beryllium			Not detected	5.00	Not detected	5.00
Cadmium			12.8	5.00	8.5	5.00
Calcium			33500	20.0	18800	20.0
Chromium			342	5.00	459	5.00
Cobalt			611	10.0	1020	10.0
Copper			2810	10.0	4670	10.0
Iron			128000	10.0	202000	10.0
Lead			2480	10.0	3520	10.0
Magnesium			6870	20.0	9620	20.0
Manganese			631	10.0	850	10.0
Nickel			262	10.0	443	10.0
Potassium			1890	30.0	2680	30.0
Selenium			14.7	10.0	17.0	10.0
Silver			Not detected	10.0	Not detected	10.0
Sodium			16900	50.0	26500	50.0
Thallium			Not detected	10.0	20.7	10.0
Vanadium			81.8	20.0	103	20.0
Zinc			20600	20.0	34200	20.0
Mercury	SW846-7471	mg/kG	0.62	0.10	0.15	0.10

**YORK**

Client Sample ID			TP-6		TP-7	
York Sample ID			04030446-03		04030446-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	5	Not detected	5
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	300	Not detected	300
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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

**YORK**

Client Sample ID			TP-6		TP-7	
York Sample ID			04030446-03		04030446-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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			180 B	5.0	170 B	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			43	5.0	Not detected	5.0
Toluene			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
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	1700	Not detected	1700
1,2-Dichlorobenzene			Not detected	1700	Not detected	1700
1,3-Dichlorobenzene			Not detected	1700	Not detected	1700
1,4-Dichlorobenzene			Not detected	1700	Not detected	1700
2,4-Dinitrotoluene			Not detected	1700	Not detected	1700
2,6-Dinitrotoluene			Not detected	1700	Not detected	1700
2-Chloronaphthalene			Not detected	1700	Not detected	1700
2-Methylnaphthalene			Not detected	1700	Not detected	1700
2-Nitroaniline			Not detected	1700	Not detected	1700
3,3'-Dichlorobenzidine			Not detected	1700	Not detected	1700
3-Nitroaniline			Not detected	1700	Not detected	1700
4-Bromophenyl phenyl ether			Not detected	1700	Not detected	1700
4-Chloroaniline			Not detected	1700	Not detected	1700
4-Chlorophenyl phenyl ether			Not detected	1700	Not detected	1700
4-Nitroaniline			Not detected	1700	Not detected	1700
Acenaphthene			Not detected	1700	Not detected	1700
Acenaphthylene			Not detected	1700	Not detected	1700
Anthracene			260 J	1700	Not detected	1700

**YORK**

Client Sample ID			TP-6		TP-7	
York Sample ID			04030446-03		04030446-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzo(a)anthracene			890 J	1700	410	1700
Benzo(a)pyrene			710 J	1700	350 J	1700
Benzo(b)fluoranthene			770 J	1700	580 J	1700
Benzo(g,h,i)perylene			Not detected	1700	Not detected	1700
Benzo(k)fluoranthene			890 J	1700	450 J	1700
Bis(2-chloroethoxy)methane			Not detected	1700	Not detected	1700
Bis(2-chloroethyl)ether			Not detected	1700	Not detected	1700
Bis(2-chloroisopropyl)ether			Not detected	1700	Not detected	1700
Bis(2-ethylhexyl)phthalate			3800	1700	8200	1700
Butyl benzyl phthalate			Not detected	1700	Not detected	1700
Carbazole			Not detected	750	Not detected	750
Chrysene			960 J	1700	630 J	1700
Dibenzo(a,h)anthracene			Not detected	1700	Not detected	1700
Dibenzofuran			Not detected	1700	Not detected	1700
Diethylphthalate			Not detected	1700	Not detected	1700
Dimethylphthalate			Not detected	1700	Not detected	1700
Di-n-butylphthalate			Not detected	1700	Not detected	1700
Di-n-octylphthalate			Not detected	1700	Not detected	1700
Fluoranthene			1700	1700	680 J	1700
Fluorene			Not detected	1700	Not detected	1700
Hexachlorobenzene			Not detected	1700	Not detected	1700
Hexachlorobutadiene			Not detected	1700	Not detected	1700
Hexachlorocyclopentadiene			Not detected	1700	Not detected	1700
Hexachloroethane			Not detected	1700	Not detected	1700
Indeno(1,2,3-cd)pyrene			Not detected	1700	Not detected	1700
Isophorone			Not detected	1700	Not detected	1700
Naphthalene			Not detected	1700	Not detected	1700
Nitrobenzene			Not detected	1700	Not detected	1700
N-Nitrosodi-n-propylamine			Not detected	1700	Not detected	1700
N-Nitrosodiphenylamine			Not detected	1700	Not detected	1700
Phenanthrene			950 J	1700	420 J	1700
Pyrene			1600	1700	890 J	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	0.06	0.02
PCB 1260			0.07	0.02	0.10	0.02
PCB, Total			0.07	0.02	0.16	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			14900	10.0	10700	10.0
Antimony			16.0	10.0	31.4	10.0
Arsenic			13.9	10.0	14.3	10.0
Barium			1020	10.0	1690	10.0
Beryllium			Not detected	5.00	Not detected	5.00
Cadmium			8.9	5.00	30.6	5.00
Calcium			15600	20.0	16300	20.0
Chromium			441	5.00	316	5.00
Cobalt			885	10.0	419	10.0

**YORK**

Client Sample ID			TP-6		TP-7	
York Sample ID			04030446-03		04030446-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Copper			4510	10.0	2610	10.0
Iron			172000	10.0	111000	10.0
Lead			3740	10.0	3570	10.0
Magnesium			13200	20.0	6380	20.0
Manganese			841	10.0	599	10.0
Nickel			518	10.0	320	10.0
Potassium			2340	30.0	1540	30.0
Selenium			22.7	10.0	14.7	10.0
Silver			Not detected	10.0	Not detected	10.0
Sodium			27500	50.0	14100	50.0
Thallium			13.2	10.0	Not detected	10.0
Vanadium			93.9	20.0	84.0	20.0
Zinc			35600	20.0	19700	20.0
Mercury	SW846-7471	mg/kG	0.17	0.10	0.46	0.10

Client Sample ID			TP-8	
York Sample ID			04030446-05	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Pesticides 8080 List soil	SW846-3550B/8081	ug/Kg	---	---
4,4'-DDD			Not detected	10
4,4'-DDE			Not detected	10
4,4'-DDT			Not detected	10
Aldrin			Not detected	10
alpha-BHC			Not detected	10
beta-BHC			Not detected	10
Chlordane			Not detected	50
delta-BHC			Not detected	10
Dieldrin			Not detected	5
Endosulfan I			Not detected	10
Endosulfan II			Not detected	10
Endosulfan sulfate			Not detected	10
Endrin			Not detected	10
Endrin aldehyde			Not detected	10
gamma-BHC (Lindane)			Not detected	10
Heptachlor			Not detected	10
Heptachlor epoxide			Not detected	10
Methoxychlor			Not detected	50
Toxaphene			Not detected	300
Volatiles-8260 list	SW846-8260	ug/Kg	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0
1,1-Dichloroethane			Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0

**YORK**

Client Sample ID			TP-8	
York Sample ID			04030446-05	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
1,2,3-Trimethylbenzene			Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0
1,2,4-Trimethylbenzene			250	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0
1,2-Dibromoethane			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0
1,2-Dichloropropane			Not detected	5.0
1,3,5-Trimethylbenzene			69	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,3-Dichloropropane			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
1-Chlorohexane			Not detected	5.0
2,2-Dichloropropane			Not detected	5.0
2-Chlorotoluene			Not detected	5.0
4-Chlorotoluene			Not detected	5.0
Benzene			Not detected	5.0
Bromobenzene			Not detected	5.0
Bromochloromethane			Not detected	5.0
Bromodichloromethane			Not detected	5.0
Bromoform			Not detected	5.0
Bromomethane			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroethane			Not detected	5.0
Chloroform			Not detected	5.0
Chloromethane			Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0
Dibromochloromethane			Not detected	5.0
Dibromomethane			Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0
Ethylbenzene			16	5.0
Hexachlorobutadiene			Not detected	5.0
Isopropylbenzene			20	5.0
Methylene chloride			110 B	5.0
Naphthalene			35 B	5.0
n-Butylbenzene			57	5.0
n-Propylbenzene			28	5.0
o-Xylene			24	5.0
p- & m-Xylenes			42	5.0
p-Isopropyltoluene			31	5.0
sec-Butylbenzene			45	5.0
Styrene			Not detected	5.0
tert-Butylbenzene			Not detected	5.0
Tetrachloroethylene			Not detected	5.0
Toluene			Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Trichlorofluoromethane			Not detected	5.0
Vinyl chloride			Not detected	5.0

**YORK**



Client Sample ID			TP-8	
York Sample ID			04030446-05	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---
1,2,4-Trichlorobenzene			Not detected	17000
1,2-Dichlorobenzene			Not detected	17000
1,3-Dichlorobenzene			Not detected	17000
1,4-Dichlorobenzene			Not detected	17000
2,4-Dinitrotoluene			Not detected	17000
2,6-Dinitrotoluene			Not detected	17000
2-Chloronaphthalene			Not detected	17000
2-Methylnaphthalene			22000	17000
2-Nitroaniline			Not detected	17000
3,3'-Dichlorobenzidine			Not detected	17000
3-Nitroaniline			Not detected	17000
4-Bromophenyl phenyl ether			Not detected	17000
4-Chloroaniline			Not detected	17000
4-Chlorophenyl phenyl ether			Not detected	17000
4-Nitroaniline			Not detected	17000
Acenaphthene			Not detected	17000
Acenaphthylene			Not detected	17000
Anthracene			Not detected	17000
Benzo(a)anthracene			6600 J	17000
Benzo(a)pyrene			5000 J	17000
Benzo(b)fluoranthene			3900 J	17000
Benzo(g,h,i)perylene			Not detected	17000
Benzo(k)fluoranthene			5400 J	17000
Bis(2-chloroethoxy)methane			Not detected	17000
Bis(2-chloroethyl)ether			Not detected	17000
Bis(2-chloroisopropyl)ether			Not detected	17000
Bis(2-ethylhexyl)phthalate			68000	17000
Butyl benzyl phthalate			22000	17000
Carbazole			Not detected	7500
Chrysene			7500 J	17000
Dibenzo(a,h)anthracene			Not detected	17000
Dibenzofuran			Not detected	17000
Diethylphthalate			Not detected	17000
Dimethylphthalate			Not detected	17000
Di-n-butylphthalate			Not detected	17000
Di-n-octylphthalate			5700 J	17000
Fluoranthene			12000 J	17000
Fluorene			5500 J	17000
Hexachlorobenzene			Not detected	17000
Hexachlorobutadiene			Not detected	17000
Hexachlorocyclopentadiene			Not detected	17000
Hexachloroethane			Not detected	17000
Indeno(1,2,3-cd)pyrene			Not detected	17000
Isophorone			Not detected	17000
Naphthalene			6500 J	17000
Nitrobenzene			Not detected	17000
N-Nitrosodi-n-propylamine			Not detected	17000
N-Nitrosodiphenylamine			Not detected	17000
Phenanthrene			16000 J	17000
Pyrene			13000 J	17000

**YORK**

Client Sample ID			TP-8	
York Sample ID			04030446-05	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
PCB	SW846-3550B/8082	mg/Kg	---	---
PCB 1016			Not detected	0.20
PCB 1221			Not detected	0.20
PCB 1232			Not detected	0.20
PCB 1242			Not detected	0.20
PCB 1248			Not detected	0.20
PCB 1254			Not detected	0.20
PCB 1260			Not detected	0.20
PCB, Total			Not detected	0.20
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---
Aluminum			8140	10.0
Antimony			Not detected	10.0
Arsenic			11.2	10.0
Barium			751	10.0
Beryllium			Not detected	5.00
Cadmium			5.8	5.00
Calcium			9480	20.0
Chromium			164	5.00
Cobalt			250	10.0
Copper			1560	10.0
Iron			65300	10.0
Lead			1790	10.0
Magnesium			4060	20.0
Manganese			399	10.0
Nickel			123	10.0
Potassium			888	30.0
Selenium			Not detected	10.0
Silver			Not detected	10.0
Sodium			7740	50.0
Thallium			Not detected	10.0
Vanadium			50.4	20.0
Zinc			11100	20.0
Mercury	SW846-7471	mg/kG	0.38	0.10

**Units Key:**

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

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

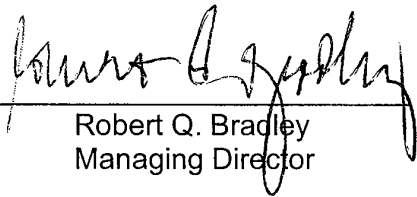
**YORK**

Report Date: 4/2/2004  
Client Project ID: 57-15 49th St. Maspeth  
York Project No.: 04030446

**Notes for York Project No. 04030446**

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.
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: 4/2/2004

**YORK**

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# YORK

ANALYTICAL LABORATORIES, INC.

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## Definitions for FLAGS used as a Results Suffix

Flags are sometimes used on results to indicate certain occurrences during the analysis process. The most common flags used by York are defined below.

<u>FLAG</u>	<u>DEFINITION</u>
<b>J</b>	J indicates an estimated value. This flag applies to Tentatively Identified Compounds or, when requested, for a target compound whose result is less than the reporting limit but whose mass spectral data meet identification criteria. For example if the reporting limit is listed as 10 ppb and the analysis shows 3 ppb, the result can be reported as 3 J. The client must request the use of J flags for the laboratory to report such flags.
<b>B</b>	B indicates that the analyte was also found in the associated batch method blank. This flag indicates possible/probable blank contamination and warns the data user to be aware. This mostly applies to the volatiles acetone and methylene chloride and the semi-volatiles bis-(2-ethylhexyl) phthalate and other phthalates.
<b>E</b>	This flag is used to indicate that the reported concentration of an analyte exceeded the calibration range of the analytical system. In this case the result reported is treated as a minimum value. This often applies where clients request an additional analyte after sample analysis, such as acetone, where the initial analysis did not require dilution since acetone was not a target compound. This flag will also apply if after numerous dilutions a specific target compound would significantly dilute out all other targets.

**YORK**

ANALYTICAL LABORATORIES, INC.

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

DATE: 3/19/04

# Telephone Contact Summary

Client Enuroscience Project No. \_\_\_\_\_

Contact Tracy Phone No. \_\_\_\_\_

FAX No. \_\_\_\_\_

Conversation Notes The SWOC's for MASPETH  
jobs should be BN's, not just PAB's

Action Required Please adjust jobs in Progress

cc: Log-in  
Sarah

signed [Signature]

[Signature] 3/22 6:45 AM

# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

04030440

<b>Company Name</b> Envirosience Consultants, Inc.	<b>Report To:</b> Greg Menegic	<b>Invoice To:</b> Same	<b>Project ID/No.</b> 57-15 49th St. Hospets	<b>Samples Collected By (Signature)</b> <i>Tracy Well</i>	<b>Name (Printed)</b> Tracy Well
---	-----------------------------------	----------------------------	---	--	-------------------------------------

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
1	TP-4	3/12/04		X			
2	TP-5					VOCs, SVOCs (PAH Only), TAL Metals, Pesticidal PCBs	2-8oz jar / None
3	TP-6						
4	TP-7						
5	TP-8						

<b>Chain-of-Custody Record</b>	
Bottles Relinquished from Lab by <i>Tracy Well</i>	Date/Time 3/12/04
Bottles Received in Field by <i>Tracy Well</i>	Date/Time 3/15/04
Sample Relinquished by <i>John Farrell</i>	Date/Time 3-15-04/12:45
Sample Relinquished by <i>Wang</i>	Date/Time 3/15 12:45
Sample Relinquished in LAB by <i>Wang</i>	Date/Time 3/19/04
Turn-Around Time <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH(define)	

Comments/Special Instructions  
 NYSDEC #88 Category B Delivered

# YORK

York Analytical Laboratories, Inc.

## Invoice

Invoice Date: 4/2/2004

Invoice Number: 58961

To: **Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Remit to: **York Analytical Laboratories, Inc.—NOTE NEW ADDRESS**  
120 Research Drive  
Stratford, CT 06615  
Attention: Accounts Receivable

*Your Purchase Order/Authorization: Verbal: Greg Menegio*

*Our Sample References: 04030446*

*Your Project Reference: 57-15 49th St. Maspeth      Samples Received On: 03/15/04*

### Detailed Invoice information

Analysis Name	Quantity	Unit Price	Total Price
Volatiles-8260 list	5	\$90.00	\$450.00
Metals, Target Analyte List(TAL)	5	\$100.00	\$500.00
PCB/Pesticides 8080 List soil	5	\$95.00	\$475.00
Base/Neutral Extractables soil	5	\$140.00	\$700.00
QA/QC Data Package (included)	1	\$0.00	\$0.00
<b>Invoice Total</b>			<b>\$2,125.00</b>

We appreciate your business and your continued support. We remain committed to supplying you the highest quality and service possible. If you have any questions about this invoice, please contact us at (203) 325-1371.

#### **TERMS NET 30 DAYS**

*Original Invoice = Blue*

*Copies = White*

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Report Date: 4/2/2004  
*Re: Client Project ID: 57-15 49th St. Maspeth (Site)*  
York Project No.: 04030541

CT License No. PH-0723    New York License No. 10854    Mass. License No. M-CT106    Rhode Island License No. 93    NJ License No. CT401



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

Page 1 of 24

NC-NYCDEP-00000452



Report Date: 4/2/2004  
 Client Project ID: 57-15 49th St. Maspeth (Site)  
 York Project No.: 04030541

**Enviroscience Consultants, Inc.**  
 33 Flying Point Road  
 Suite 208  
 Southampton, NY 11968  
 Attention: Greg Menegio

## 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 03/18/04. The project was identified as your project "57-15 49th St. Maspeth (Site)".

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

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

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

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

## Analysis Results

Client Sample ID			MW-10A		MW-10B	
York Sample ID			04030541-01		04030541-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides 8080 List soil	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	5	Not detected	5
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10

**YORK**

Client Sample ID			MW-10A		MW-10B	
York Sample ID			04030541-01		04030541-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	300	Not detected	300
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	5.0
1,1,1-Trichloroethane			Not detected	10	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	5.0
1,1,2-Trichloroethane			Not detected	10	Not detected	5.0
1,1-Dichloroethane			Not detected	10	Not detected	5.0
1,1-Dichloroethylene			Not detected	10	Not detected	5.0
1,1-Dichloropropylene			Not detected	10	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	10	Not detected	5.0
1,2,3-Trichloropropane			Not detected	10	Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	10	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	10	Not detected	5.0
1,2,4-Trimethylbenzene			21	10	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	5.0
1,2-Dibromoethane			Not detected	10	Not detected	5.0
1,2-Dichlorobenzene			Not detected	10	Not detected	5.0
1,2-Dichloroethane			Not detected	10	Not detected	5.0
1,2-Dichloroethylene (Total)			23(cis-)	10	Not detected	5.0
1,2-Dichloropropane			Not detected	10	Not detected	5.0
1,3,5-Trimethylbenzene			18	10	Not detected	5.0
1,3-Dichlorobenzene			Not detected	10	Not detected	5.0
1,3-Dichloropropane			Not detected	10	Not detected	5.0
1,4-Dichlorobenzene			Not detected	10	Not detected	5.0
1-Chlorohexane			Not detected	10	Not detected	5.0
2,2-Dichloropropane			Not detected	10	Not detected	5.0
2-Chlorotoluene			Not detected	10	Not detected	5.0
4-Chlorotoluene			Not detected	10	Not detected	5.0
Benzene			Not detected	10	Not detected	5.0
Bromobenzene			Not detected	10	Not detected	5.0
Bromochloromethane			Not detected	10	Not detected	5.0
Bromodichloromethane			Not detected	10	Not detected	5.0
Bromoform			Not detected	10	Not detected	5.0
Bromomethane			Not detected	10	Not detected	5.0
Carbon tetrachloride			Not detected	10	Not detected	5.0
Chlorobenzene			Not detected	10	Not detected	5.0
Chloroethane			Not detected	10	Not detected	5.0
Chloroform			Not detected	10	Not detected	5.0
Chloromethane			Not detected	10	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	10	Not detected	5.0
Dibromochloromethane			Not detected	10	Not detected	5.0
Dibromomethane			Not detected	10	Not detected	5.0
Dichlorodifluoromethane			Not detected	10	Not detected	5.0
Ethylbenzene			Not detected	10	Not detected	5.0
Hexachlorobutadiene			Not detected	10	Not detected	5.0
Isopropylbenzene			Not detected	10	Not detected	5.0
Methylene chloride			630 B	10	56 B	5.0
Naphthalene			160 B	10	400 B	5.0
n-Butylbenzene			20	10	Not detected	5.0

**YORK**

Client Sample ID			MW-10A		MW-10B	
York Sample ID			04030541-01		04030541-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
n-Propylbenzene			Not detected	10	Not detected	5.0
o-Xylene			Not detected	10	Not detected	5.0
p- & m-Xylenes			Not detected	10	Not detected	5.0
p-Isopropyltoluene			Not detected	10	Not detected	5.0
sec-Butylbenzene			Not detected	10	Not detected	5.0
Styrene			Not detected	10	Not detected	5.0
tert-Butylbenzene			Not detected	10	Not detected	5.0
Tetrachloroethylene			18	10	Not detected	5.0
Toluene			Not detected	10	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	10	Not detected	5.0
Trichloroethylene			Not detected	10	Not detected	5.0
Trichlorofluoromethane			Not detected	10	Not detected	5.0
Vinyl chloride			14	10	Not detected	5.0
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	33000	Not detected	330
1,2-Dichlorobenzene			Not detected	33000	Not detected	330
1,3-Dichlorobenzene			Not detected	33000	Not detected	330
1,4-Dichlorobenzene			Not detected	33000	Not detected	330
2,4-Dinitrotoluene			Not detected	33000	Not detected	330
2,6-Dinitrotoluene			Not detected	33000	Not detected	330
2-Chloronaphthalene			Not detected	33000	Not detected	330
2-Methylnaphthalene			Not detected	33000	190 J	330
2-Nitroaniline			Not detected	33000	Not detected	330
3,3'-Dichlorobenzidine			Not detected	33000	Not detected	330
3-Nitroaniline			Not detected	33000	Not detected	330
4-Bromophenyl phenyl ether			Not detected	33000	Not detected	330
4-Chloroaniline			Not detected	33000	Not detected	330
4-Chlorophenyl phenyl ether			Not detected	33000	Not detected	330
4-Nitroaniline			Not detected	33000	Not detected	330
Acenaphthene			Not detected	33000	470	330
Acenaphthylene			Not detected	33000	63 J	330
Anthracene			Not detected	33000	1100	330
Benzo(a)anthracene			Not detected	33000	1800	330
Benzo(a)pyrene			Not detected	33000	1300	330
Benzo(b)fluoranthene			Not detected	33000	1200	330
Benzo(g,h,i)perylene			Not detected	33000	360	330
Benzo(k)fluoranthene			Not detected	33000	1400	330
Bis(2-chloroethoxy)methane			Not detected	33000	Not detected	330
Bis(2-chloroethyl)ether			Not detected	33000	Not detected	330
Bis(2-chloroisopropyl)ether			Not detected	33000	Not detected	330
Bis(2-ethylhexyl)phthalate			440000	33000	Not detected	330
Butyl benzyl phthalate			Not detected	33000	Not detected	330
Carbazole			Not detected	15000	Not detected	150
Chrysene			Not detected	33000	1600	330
Dibenzo(a,h)anthracene			Not detected	33000	190 J	330
Dibenzofuran			Not detected	33000	340	330
Diethylphthalate			Not detected	33000	Not detected	330
Dimethylphthalate			Not detected	33000	Not detected	330
Di-n-butylphthalate			Not detected	33000	Not detected	330
Di-n-octylphthalate			9700 J	33000	Not detected	330
Fluoranthene			Not detected	33000	2800	330

**YORK**

Client Sample ID			MW-10A		MW-10B	
York Sample ID			04030541-01		04030541-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Fluorene			Not detected	33000	630	330
Hexachlorobenzene			Not detected	33000	Not detected	330
Hexachlorobutadiene			Not detected	33000	Not detected	330
Hexachlorocyclopentadiene			Not detected	33000	Not detected	330
Hexachloroethane			Not detected	33000	Not detected	330
Indeno(1,2,3-cd)pyrene			Not detected	33000	380	330
Isophorone			Not detected	33000	Not detected	330
Naphthalene			Not detected	33000	250 J	330
Nitrobenzene			Not detected	33000	Not detected	330
N-Nitrosodi-n-propylamine			Not detected	33000	Not detected	330
N-Nitrosodiphenylamine			Not detected	33000	Not detected	330
Phenanthrene			Not detected	33000	2600	330
Pyrene			Not detected	33000	2600	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			0.15	0.02	Not detected	0.02
PCB 1260			0.12	0.02	Not detected	0.02
PCB, Total			0.27	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			7610	1.00	9570	1.00
Antimony			22.8	1.00	5.31	1.00
Arsenic			51.6	1.00	2.15	1.00
Barium			225	1.00	70.8	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			11.1	0.500	1.75	0.500
Calcium			12100	2.00	9180	2.00
Chromium			58.3	0.500	34.7	0.500
Cobalt			133	1.00	6.63	1.00
Copper			1140	1.00	29.9	1.00
Iron			34300	1.00	57700	1.00
Lead			780	1.00	127	1.00
Magnesium			2990	2.00	2430	2.00
Manganese			263	1.00	461	1.00
Nickel			58.2	1.00	4.20	1.00
Potassium			1450	3.00	840	3.00
Selenium			12.4	1.00	Not detected	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			3110	5.00	819	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			33.0	2.00	98.8	2.00
Zinc			2360	2.00	368	2.00
Mercury	SW846-7471	mg/kG	0.90	0.10	Not detected	0.10

**YORK**

Client Sample ID			MW-11A		MW-11B	
York Sample ID			04030541-03		04030541-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			1000	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	5	Not detected	5
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	300	Not detected	300
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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

**YORK**

Client Sample ID			MW-11A		MW-11B	
York Sample ID			04030541-03		04030541-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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			370 B	5.0	120 B	5.0
Naphthalene			77 B	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	17	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-1,3-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
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	1700	Not detected	330
1,2-Dichlorobenzene			Not detected	1700	Not detected	330
1,3-Dichlorobenzene			Not detected	1700	Not detected	330
1,4-Dichlorobenzene			Not detected	1700	Not detected	330
2,4-Dinitrotoluene			Not detected	1700	Not detected	330
2,6-Dinitrotoluene			Not detected	1700	Not detected	330
2-Chloronaphthalene			Not detected	1700	Not detected	330
2-Methylnaphthalene			Not detected	1700	Not detected	330
2-Nitroaniline			Not detected	1700	Not detected	330
3,3'-Dichlorobenzidine			Not detected	1700	Not detected	330
3-Nitroaniline			Not detected	1700	Not detected	330
4-Bromophenyl phenyl ether			Not detected	1700	Not detected	330
4-Chloroaniline			Not detected	1700	Not detected	330
4-Chlorophenyl phenyl ether			Not detected	1700	Not detected	330
4-Nitroaniline			Not detected	1700	Not detected	330
Acenaphthene			Not detected	1700	Not detected	330
Acenaphthylene			Not detected	1700	Not detected	330
Anthracene			350 J	1700	Not detected	330

**YORK**

Client Sample ID			MW-11A		MW-11B	
York Sample ID			04030541-03		04030541-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzo(a)anthracene			1100 J	1700	Not detected	330
Benzo(a)pyrene			770 J	1700	Not detected	330
Benzo(b)fluoranthene			930 J	1700	Not detected	330
Benzo(g,h,i)perylene			Not detected	1700	Not detected	330
Benzo(k)fluoranthene			1100 J	1700	Not detected	330
Bis(2-chloroethoxy)methane			Not detected	1700	Not detected	330
Bis(2-chloroethyl)ether			Not detected	1700	Not detected	330
Bis(2-chloroisopropyl)ether			Not detected	1700	Not detected	330
Bis(2-ethylhexyl)phthalate			9000	1700	170 J	330
Butyl benzyl phthalate			Not detected	1700	Not detected	330
Carbazole			Not detected	750	Not detected	150
Chrysene			1100 J	1700	Not detected	330
Dibenzo(a,h)anthracene			Not detected	1700	Not detected	330
Dibenzofuran			Not detected	1700	Not detected	330
Diethylphthalate			Not detected	1700	Not detected	330
Dimethylphthalate			Not detected	1700	Not detected	330
Di-n-butylphthalate			Not detected	1700	100 J	330
Di-n-octylphthalate			Not detected	1700	Not detected	330
Fluoranthene			2100	1700	98 J	330
Fluorene			Not detected	1700	Not detected	330
Hexachlorobenzene			Not detected	1700	Not detected	330
Hexachlorobutadiene			Not detected	1700	Not detected	330
Hexachlorocyclopentadiene			Not detected	1700	Not detected	330
Hexachloroethane			Not detected	1700	Not detected	330
Indeno(1,2,3-cd)pyrene			Not detected	1700	Not detected	330
Isophorone			Not detected	1700	Not detected	330
Naphthalene			Not detected	1700	Not detected	330
Nitrobenzene			Not detected	1700	Not detected	330
N-Nitrosodi-n-propylamine			Not detected	1700	Not detected	330
N-Nitrosodiphenylamine			Not detected	1700	Not detected	330
Phenanthrene			1500 J	1700	Not detected	330
Pyrene			2000	1700	100 J	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.20	Not detected	0.02
PCB 1221			Not detected	0.20	Not detected	0.02
PCB 1232			Not detected	0.20	Not detected	0.02
PCB 1242			Not detected	0.20	Not detected	0.02
PCB 1248			Not detected	0.20	Not detected	0.02
PCB 1254			2.11	0.20	Not detected	0.02
PCB 1260			0.51	0.20	Not detected	0.02
PCB, Total			2.62	0.20	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			6780	1.00	6200	1.00
Antimony			6.63	1.00	2.55	1.00
Arsenic			10.1	1.00	2.13	1.00
Barium			236	1.00	32.8	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			10.1	0.500	Not detected	0.500
Calcium			7720	2.00	3050	2.00
Chromium			50.5	0.500	24.8	0.500
Cobalt			28.6	1.00	9.28	1.00

**YORK**

Client Sample ID			MW-11A		MW-11B	
York Sample ID			04030541-03		04030541-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Copper			589	1.00	28.3	1.00
Iron			22900	1.00	37100	1.00
Lead			445	1.00	13.9	1.00
Magnesium			2940	2.00	1790	2.00
Manganese			288	1.00	387	1.00
Nickel			49.8	1.00	8.40	1.00
Potassium			888	3.00	653	3.00
Selenium			Not detected	1.00	Not detected	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			1850	5.00	471	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			26.9	2.00	45.6	2.00
Zinc			15.7	2.00	99.2	2.00
Mercury	SW846-7471	mg/kg	0.54	0.10	Not detected	0.10

Client Sample ID			MW-12A		MW-12B	
York Sample ID			04030541-05		04030541-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	5	Not detected	5
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	300	Not detected	300
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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

**YORK**



Client Sample ID			MW-12A		MW-12B	
York Sample ID			04030541-05		04030541-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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			410 B	5.0	250 B	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			8	5.0	16	5.0
Toluene			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

**YORK**

Client Sample ID			MW-12A		MW-12B	
York Sample ID			04030541-05		04030541-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	1700	Not detected	1700
1,2-Dichlorobenzene			Not detected	1700	Not detected	1700
1,3-Dichlorobenzene			Not detected	1700	Not detected	1700
1,4-Dichlorobenzene			Not detected	1700	Not detected	1700
2,4-Dinitrotoluene			Not detected	1700	Not detected	1700
2,6-Dinitrotoluene			Not detected	1700	Not detected	1700
2-Chloronaphthalene			Not detected	1700	Not detected	1700
2-Methylnaphthalene			Not detected	1700	Not detected	1700
2-Nitroaniline			Not detected	1700	Not detected	1700
3,3'-Dichlorobenzidine			Not detected	1700	Not detected	1700
3-Nitroaniline			Not detected	1700	Not detected	1700
4-Bromophenyl phenyl ether			Not detected	1700	Not detected	1700
4-Chloroaniline			Not detected	1700	Not detected	1700
4-Chlorophenyl phenyl ether			Not detected	1700	Not detected	1700
4-Nitroaniline			Not detected	1700	Not detected	1700
Acenaphthene			Not detected	1700	Not detected	1700
Acenaphthylene			Not detected	1700	Not detected	1700
Anthracene			670 J	1700	430 J	1700
Benzo(a)anthracene			1500 J	1700	700 J	1700
Benzo(a)pyrene			1100 J	1700	440 J	1700
Benzo(b)fluoranthene			1100 J	1700	480 J	1700
Benzo(g,h,i)perylene			Not detected	1700	Not detected	1700
Benzo(k)fluoranthene			1300 J	1700	520 J	1700
Bis(2-chloroethoxy)methane			Not detected	1700	Not detected	1700
Bis(2-chloroethyl)ether			Not detected	1700	Not detected	1700
Bis(2-chloroisopropyl)ether			Not detected	1700	Not detected	1700
Bis(2-ethylhexyl)phthalate			2500	1700	470 J	1700
Butyl benzyl phthalate			Not detected	1700	Not detected	1700
Carbazole			Not detected	750	Not detected	750
Chrysene			1400 J	1700	730 J	1700
Dibenzo(a,h)anthracene			Not detected	1700	Not detected	1700
Dibenzofuran			Not detected	1700	Not detected	1700
Diethylphthalate			Not detected	1700	Not detected	1700
Dimethylphthalate			Not detected	1700	Not detected	1700
Di-n-butylphthalate			Not detected	1700	Not detected	1700
Di-n-octylphthalate			Not detected	1700	Not detected	1700
Fluoranthene			3000	1700	1400 J	1700
Fluorene			270 J	1700	300 J	1700
Hexachlorobenzene			Not detected	1700	Not detected	1700
Hexachlorobutadiene			Not detected	1700	Not detected	1700
Hexachlorocyclopentadiene			Not detected	1700	Not detected	1700
Hexachloroethane			Not detected	1700	Not detected	1700
Indeno(1,2,3-cd)pyrene			Not detected	1700	Not detected	1700
Isophorone			Not detected	1700	Not detected	1700
Naphthalene			Not detected	1700	Not detected	1700
Nitrobenzene			Not detected	1700	Not detected	1700
N-Nitrosodi-n-propylamine			Not detected	1700	Not detected	1700
N-Nitrosodiphenylamine			Not detected	1700	Not detected	1700
Phenanthrene			2400	1700	1400 J	1700
Pyrene			2900	1700	1300 J	1700

**YORK**

Client Sample ID			MW-12A		MW-12B	
York Sample ID			04030541-05		04030541-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			0.07	0.02	Not detected	0.02
PCB 1260			0.06	0.02	Not detected	0.02
PCB, Total			0.13	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			6820	1.00	20400	10.0
Antimony			7.76	1.00	Not detected	10.0
Arsenic			10.1	1.00	11.0	10.0
Barium			423	1.00	930	10.0
Beryllium			Not detected	0.500	Not detected	5.00
Cadmium			5.37	0.500	Not detected	5.00
Calcium			10100	2.00	20300	20.0
Chromium			99.3	0.500	377	5.00
Cobalt			86.7	1.00	527	10.0
Copper			739	1.00	5150	10.0
Iron			40000	1.00	160000	10.0
Lead			1040	1.00	3430	10.0
Magnesium			2930	2.00	13000	20.0
Manganese			379	1.00	782	10.0
Nickel			67.1	1.00	249	10.0
Potassium			1290	3.00	3160	30.0
Selenium			Not detected	1.00	Not detected	10.0
Silver			Not detected	1.00	Not detected	10.0
Sodium			4150	5.00	34100	50.0
Thallium			Not detected	1.00	Not detected	10.0
Vanadium			33.9	2.00	139	20.0
Zinc			3830	2.00	32600	20.0
Mercury	SW846-7471	mg/kG	0.69	0.10	Not detected	0.10

Client Sample ID			MW-13A		MW-13B	
York Sample ID			04030541-07		04030541-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			71.7	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	5	Not detected	5
Endosulfan I			Not detected	10	Not detected	10

**YORK**

Client Sample ID			MW-13A		MW-13B	
York Sample ID			04030541-07		04030541-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	300	Not detected	300
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	10
1,1,1-Trichloroethane			Not detected	5.0	Not detected	10
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	10
1,1,2-Trichloroethane			Not detected	5.0	Not detected	10
1,1-Dichloroethane			Not detected	5.0	Not detected	10
1,1-Dichloroethylene			Not detected	5.0	Not detected	10
1,1-Dichloropropylene			Not detected	5.0	Not detected	10
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	10
1,2,3-Trichloropropane			Not detected	5.0	Not detected	10
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	10
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	10
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	10
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	10
1,2-Dibromoethane			Not detected	5.0	Not detected	10
1,2-Dichlorobenzene			Not detected	5.0	Not detected	10
1,2-Dichloroethane			Not detected	5.0	Not detected	10
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	10
1,2-Dichloropropane			Not detected	5.0	Not detected	10
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	10
1,3-Dichlorobenzene			Not detected	5.0	Not detected	10
1,3-Dichloropropane			Not detected	5.0	Not detected	10
1,4-Dichlorobenzene			Not detected	5.0	Not detected	10
1-Chlorohexane			Not detected	5.0	Not detected	10
2,2-Dichloropropane			Not detected	5.0	Not detected	10
2-Chlorotoluene			Not detected	5.0	Not detected	10
4-Chlorotoluene			Not detected	5.0	Not detected	10
Benzene			Not detected	5.0	Not detected	10
Bromobenzene			Not detected	5.0	Not detected	10
Bromochloromethane			Not detected	5.0	Not detected	10
Bromodichloromethane			Not detected	5.0	Not detected	10
Bromoform			Not detected	5.0	Not detected	10
Bromomethane			Not detected	5.0	Not detected	10
Carbon tetrachloride			Not detected	5.0	Not detected	10
Chlorobenzene			Not detected	5.0	Not detected	10
Chloroethane			Not detected	5.0	Not detected	10
Chloroform			Not detected	5.0	Not detected	10
Chloromethane			Not detected	5.0	Not detected	10
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	10
Dibromochloromethane			Not detected	5.0	Not detected	10
Dibromomethane			Not detected	5.0	Not detected	10
Dichlorodifluoromethane			Not detected	5.0	Not detected	10

**YORK**

Client Sample ID			MW-13A		MW-13B	
York Sample ID			04030541-07		04030541-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Ethylbenzene			Not detected	5.0	Not detected	1.0
Hexachlorobutadiene			Not detected	5.0	Not detected	1.0
Isopropylbenzene			7	5.0	20	1.0
Methylene chloride			260 B	5.0	290 B	1.0
Naphthalene			Not detected	5.0	87 B	1.0
n-Butylbenzene			Not detected	5.0	Not detected	1.0
n-Propylbenzene			Not detected	5.0	22	1.0
o-Xylene			Not detected	5.0	Not detected	1.0
p- & m-Xylenes			Not detected	5.0	Not detected	1.0
p-Isopropyltoluene			5	5.0	42	1.0
sec-Butylbenzene			Not detected	5.0	54	1.0
Styrene			Not detected	5.0	Not detected	1.0
tert-Butylbenzene			Not detected	5.0	Not detected	1.0
Tetrachloroethylene			25	5.0	39	1.0
Toluene			Not detected	5.0	Not detected	1.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	1.0
Trichloroethylene			Not detected	5.0	Not detected	1.0
Trichlorofluoromethane			Not detected	5.0	Not detected	1.0
Vinyl chloride			Not detected	5.0	Not detected	1.0
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	3300	Not detected	1700
1,2-Dichlorobenzene			Not detected	3300	Not detected	1700
1,3-Dichlorobenzene			Not detected	3300	Not detected	1700
1,4-Dichlorobenzene			Not detected	3300	Not detected	1700
2,4-Dinitrotoluene			Not detected	3300	Not detected	1700
2,6-Dinitrotoluene			Not detected	3300	Not detected	1700
2-Chloronaphthalene			Not detected	3300	Not detected	1700
2-Methylnaphthalene			Not detected	3300	Not detected	1700
2-Nitroaniline			Not detected	3300	Not detected	1700
3,3'-Dichlorobenzidine			Not detected	3300	Not detected	1700
3-Nitroaniline			Not detected	3300	Not detected	1700
4-Bromophenyl phenyl ether			Not detected	3300	Not detected	1700
4-Chloroaniline			Not detected	3300	Not detected	1700
4-Chlorophenyl phenyl ether			Not detected	3300	Not detected	1700
4-Nitroaniline			Not detected	3300	Not detected	1700
Acenaphthene			Not detected	3300	290 J	1700
Acenaphthylene			Not detected	3300	Not detected	1700
Anthracene			Not detected	3300	490 J	1700
Benzo(a)anthracene			730 J	3300	860 J	1700
Benzo(a)pyrene			Not detected	3300	590 J	1700
Benzo(b)fluoranthene			680 J	3300	630 J	1700
Benzo(g,h,i)perylene			Not detected	3300	Not detected	1700
Benzo(k)fluoranthene			730 J	3300	740 J	1700
Bis(2-chloroethoxy)methane			Not detected	3300	Not detected	1700
Bis(2-chloroethyl)ether			Not detected	3300	Not detected	1700
Bis(2-chloroisopropyl)ether			Not detected	3300	Not detected	1700
Bis(2-ethylhexyl)phthalate			12000	3300	4000	1700
Butyl benzyl phthalate			Not detected	3300	Not detected	1700
Carbazole			Not detected	1500	Not detected	750
Chrysene			750 J	3300	920 J	1700
Dibenzo(a,h)anthracene			Not detected	3300	Not detected	1700

**YORK**

Client Sample ID			MW-13A		MW-13B	
York Sample ID			04030541-07		04030541-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Dibenzofuran			Not detected	3300	Not detected	1700
Diethylphthalate			Not detected	3300	Not detected	1700
Dimethylphthalate			Not detected	3300	Not detected	1700
Di-n-butylphthalate			850 J	3300	Not detected	1700
Di-n-octylphthalate			Not detected	3300	Not detected	1700
Fluoranthene			1400 J	3300	1500 J	1700
Fluorene			Not detected	3300	Not detected	1700
Hexachlorobenzene			Not detected	3300	Not detected	1700
Hexachlorobutadiene			Not detected	3300	Not detected	1700
Hexachlorocyclopentadiene			Not detected	3300	Not detected	1700
Hexachloroethane			Not detected	3300	Not detected	1700
Indeno(1,2,3-cd)pyrene			Not detected	3300	Not detected	1700
Isophorone			Not detected	3300	Not detected	1700
Naphthalene			Not detected	3300	Not detected	1700
Nitrobenzene			Not detected	3300	Not detected	1700
N-Nitrosodi-n-propylamine			Not detected	3300	Not detected	1700
N-Nitrosodiphenylamine			Not detected	3300	Not detected	1700
Phenanthrene			1200 J	3300	1800	1700
Pyrene			1300 J	3300	1400 J	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			0.23	0.02	0.09	0.02
PCB 1260			0.22	0.02	0.06	0.02
PCB, Total			0.45	0.02	0.15	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			19400	10.0	19300	10.0
Antimony			Not detected	10.0	Not detected	10.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			727	10.0	735	10.0
Beryllium			Not detected	5.00	Not detected	5.00
Cadmium			5.1	5.00	Not detected	5.00
Calcium			15700	20.0	18200	20.0
Chromium			574	5.00	640	5.00
Cobalt			2020	10.0	2170	10.0
Copper			5110	10.0	5330	10.0
Iron			221000	10.0	226000	10.0
Lead			4900	10.0	4700	10.0
Magnesium			15400	20.0	16800	20.0
Manganese			747	10.0	820	10.0
Nickel			467	10.0	500	10.0
Potassium			2600	30.0	2680	30.0
Selenium			Not detected	10.0	Not detected	10.0
Silver			Not detected	10.0	Not detected	10.0
Sodium			36400	50.0	36300	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			104	20.0	95.4	20.0
Zinc			33300	20.0	33800	20.0

**YORK**

<b>Client Sample ID</b>			<b>MW-13A</b>		<b>MW-13B</b>	
<b>York Sample ID</b>			<b>04030541-07</b>		<b>04030541-08</b>	
<b>Matrix</b>			<b>SOIL</b>		<b>SOIL</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

<b>Client Sample ID</b>			<b>BD-3/17</b>	
<b>York Sample ID</b>			<b>04030541-09</b>	
<b>Matrix</b>			<b>SOIL</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---
4,4'-DDD			Not detected	10
4,4'-DDE			Not detected	10
4,4'-DDT			Not detected	10
Aldrin			Not detected	10
alpha-BHC			Not detected	10
beta-BHC			Not detected	10
Chlordane			Not detected	50
delta-BHC			Not detected	10
Dieldrin			Not detected	5
Endosulfan I			Not detected	10
Endosulfan II			Not detected	10
Endosulfan sulfate			Not detected	10
Endrin			Not detected	10
Endrin aldehyde			Not detected	10
gamma-BHC (Lindane)			Not detected	10
Heptachlor			Not detected	10
Heptachlor epoxide			Not detected	10
Methoxychlor			Not detected	50
Toxaphene			Not detected	300
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0
1,1-Dichloroethane			Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0
1,2-Dibromoethane			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0
1,2-Dichloropropane			Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,3-Dichloropropane			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0

**YORK**

Client Sample ID			BD-3/17	
York Sample ID			04030541-09	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
1-Chlorohexane			Not detected	5.0
2,2-Dichloropropane			Not detected	5.0
2-Chlorotoluene			Not detected	5.0
4-Chlorotoluene			Not detected	5.0
Benzene			Not detected	5.0
Bromobenzene			Not detected	5.0
Bromochloromethane			Not detected	5.0
Bromodichloromethane			Not detected	5.0
Bromoform			Not detected	5.0
Bromomethane			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroethane			Not detected	5.0
Chloroform			Not detected	5.0
Chloromethane			Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0
Dibromochloromethane			Not detected	5.0
Dibromomethane			Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0
Ethylbenzene			Not detected	5.0
Hexachlorobutadiene			Not detected	5.0
Isopropylbenzene			Not detected	5.0
Methylene chloride			420 B	5.0
Naphthalene			7 B	5.0
n-Butylbenzene			Not detected	5.0
n-Propylbenzene			Not detected	5.0
o-Xylene			Not detected	5.0
p- & m-Xylenes			Not detected	5.0
p-Isopropyltoluene			Not detected	5.0
sec-Butylbenzene			Not detected	5.0
Styrene			Not detected	5.0
tert-Butylbenzene			Not detected	5.0
Tetrachloroethylene			Not detected	5.0
Toluene			Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Trichlorofluoromethane			Not detected	5.0
Vinyl chloride			Not detected	5.0
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---
1,2,4-Trichlorobenzene			Not detected	1700
1,2-Dichlorobenzene			Not detected	1700
1,3-Dichlorobenzene			Not detected	1700
1,4-Dichlorobenzene			Not detected	1700
2,4-Dinitrotoluene			Not detected	1700
2,6-Dinitrotoluene			Not detected	1700
2-Chloronaphthalene			Not detected	1700
2-Methylnaphthalene			280 J	1700
2-Nitroaniline			Not detected	1700
3,3'-Dichlorobenzidine			Not detected	1700
3-Nitroaniline			Not detected	1700
4-Bromophenyl phenyl ether			Not detected	1700

**YORK**



<b>Client Sample ID</b>			<b>BD-3/17</b>	
<b>York Sample ID</b>			<b>04030541-09</b>	
<b>Matrix</b>			<b>SOIL</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
4-Chloroaniline			Not detected	1700
4-Chlorophenyl phenyl ether			Not detected	1700
4-Nitroaniline			Not detected	1700
Acenaphthene			490 J	1700
Acenaphthylene			Not detected	1700
Anthracene			1500 J	1700
Benzo(a)anthracene			2700	1700
Benzo(a)pyrene			1900	1700
Benzo(b)fluoranthene			2000	1700
Benzo(g,h,i)perylene			Not detected	1700
Benzo(k)fluoranthene			2400	1700
Bis(2-chloroethoxy)methane			Not detected	1700
Bis(2-chloroethyl)ether			Not detected	1700
Bis(2-chloroisopropyl)ether			Not detected	1700
Bis(2-ethylhexyl)phthalate			4900	1700
Butyl benzyl phthalate			Not detected	1700
Carbazole			Not detected	750
Chrysene			2500	1700
Dibenzo(a,h)anthracene			Not detected	1700
Dibenzofuran			450 J	1700
Diethylphthalate			Not detected	1700
Dimethylphthalate			Not detected	1700
Di-n-butylphthalate			380 J	1700
Di-n-octylphthalate			Not detected	1700
Fluoranthene			4900	1700
Fluorene			700 J	1700
Hexachlorobenzene			Not detected	1700
Hexachlorobutadiene			Not detected	1700
Hexachlorocyclopentadiene			Not detected	1700
Hexachloroethane			Not detected	1700
Indeno(1,2,3-cd)pyrene			Not detected	1700
Isophorone			Not detected	1700
Naphthalene			270 J	1700
Nitrobenzene			Not detected	1700
N-Nitrosodi-n-propylamine			Not detected	1700
N-Nitrosodiphenylamine			Not detected	1700
Phenanthrene			4600	1700
Pyrene			4600	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---
PCB 1016			Not detected	0.02
PCB 1221			Not detected	0.02
PCB 1232			Not detected	0.02
PCB 1242			Not detected	0.02
PCB 1248			Not detected	0.02
PCB 1254			0.10	0.02
PCB 1260			0.08	0.02
PCB, Total			0.18	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---
Aluminum			6700	1.00
Antimony			4.41	1.00
Arsenic			10.3	1.00

**YORK**

Client Sample ID			BD-3/17	
York Sample ID			04030541-09	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Barium			285	1.00
Beryllium			Not detected	0.500
Cadmium			3.41	0.500
Calcium			8430	2.00
Chromium			65.3	0.500
Cobalt			18.1	1.00
Copper			260	1.00
Iron			22600	1.00
Lead			893	1.00
Magnesium			2140	2.00
Manganese			321	1.00
Nickel			28.5	1.00
Potassium			1250	3.00
Selenium			Not detected	1.00
Silver			Not detected	1.00
Sodium			1210	5.00
Thallium			Not detected	1.00
Vanadium			26.1	2.00
Zinc			950	2.00
Mercury	SW846-7471	mg/kG	0.52	0.10

Client Sample ID			TB-3/17	
York Sample ID			04030541-10	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1

**YORK**

Client Sample ID			TB-3/17	
York Sample ID			04030541-10	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			3 B	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1

Client Sample ID			EB-3/17	
York Sample ID			04030541-11	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Pesticides 8080 List water	SW846-3510C/8081	ug/L	---	---
4,4'-DDD			Not detected	0.05
4,4'-DDE			Not detected	0.05
4,4'-DDT			Not detected	0.05
Aldrin			Not detected	0.05
alpha-BHC			Not detected	0.05
beta-BHC			Not detected	0.05

**YORK**

<b>Client Sample ID</b>			<b>EB-3/17</b>	
<b>York Sample ID</b>			<b>04030541-11</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Chlordane			Not detected	0.2
delta-BHC			Not detected	0.05
Dieldrin			Not detected	0.05
Endosulfan I			Not detected	0.05
Endosulfan II			Not detected	0.05
Endosulfan sulfate			Not detected	0.05
Endrin			Not detected	0.05
Endrin aldehyde			Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05
Heptachlor			Not detected	0.05
Heptachlor epoxide			Not detected	0.05
Methoxychlor			Not detected	0.2
Toxaphene			Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1

**YORK**

Client Sample ID			EB-3/17	
York Sample ID			04030541-11	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			4 B	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1
<b>Base/Neutral Extractables water</b>	SW846-8270	ug/L	---	---
1,2,4-Trichlorobenzene			Not detected	10
1,2-Dichlorobenzene			Not detected	10
1,3-Dichlorobenzene			Not detected	10
1,4-Dichlorobenzene			Not detected	10
2,4-Dinitrotoluene			Not detected	10
2,6-Dinitrotoluene			Not detected	10
2-Chloronaphthalene			Not detected	10
2-Methylnaphthalene			Not detected	10
2-Nitroaniline			Not detected	10
3,3'-Dichlorobenzidine			Not detected	10
3-Nitroaniline			Not detected	10
4-Bromophenyl phenyl ether			Not detected	10
4-Chloroaniline			Not detected	10
4-Chlorophenyl phenyl ether			Not detected	10
4-Nitroaniline			Not detected	10
Acenaphthene			Not detected	10
Acenaphthylene			Not detected	10
Anthracene			Not detected	10
Benzo(a)anthracene			Not detected	10
Benzo(a)pyrene			Not detected	10
Benzo(b)fluoranthene			Not detected	10
Benzo(g,h,i)perylene			Not detected	10
Benzo(k)fluoranthene			Not detected	10
Bis(2-chloroethoxy)methane			Not detected	10
Bis(2-chloroethyl)ether			Not detected	10
Bis(2-chloroisopropyl)ether			Not detected	10
Bis(2-ethylhexyl)phthalate			Not detected	10

**YORK**

<b>Client Sample ID</b>			<b>EB-3/17</b>	
<b>York Sample ID</b>			<b>04030541-11</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Butyl benzyl phthalate			Not detected	10
Carbazole			Not detected	10
Chrysene			Not detected	10
Dibenzo(a,h)anthracene			Not detected	10
Dibenzofuran			Not detected	10
Diethylphthalate			Not detected	10
Dimethylphthalate			Not detected	10
Di-n-butylphthalate			Not detected	10
Di-n-octylphthalate			Not detected	10
Fluoranthene			Not detected	10
Fluorene			Not detected	10
Hexachlorobenzene			Not detected	10
Hexachlorobutadiene			Not detected	10
Hexachlorocyclopentadiene			Not detected	10
Hexachloroethane			Not detected	10
Indeno(1,2,3-cd)pyrene			Not detected	10
Isophorone			Not detected	10
Naphthalene			Not detected	10
Nitrobenzene			Not detected	10
N-Nitrosodi-n-propylamine			Not detected	10
N-Nitrosodiphenylamine			Not detected	10
Phenanthrene			Not detected	10
Pyrene			Not detected	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---
PCB 1016			Not detected	0.2
PCB 1221			Not detected	0.2
PCB 1232			Not detected	0.2
PCB 1242			Not detected	0.2
PCB 1248			Not detected	0.2
PCB 1254			Not detected	0.2
PCB 1260			Not detected	0.2
PCB, Total			Not detected	0.2
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---
Aluminum			Not detected	5.0
Antimony			Not detected	5.0
Arsenic			Not detected	10.0
Barium			Not detected	10.0
Beryllium			Not detected	1.0
Cadmium			Not detected	3.0
Calcium			Not detected	20.0
Chromium			Not detected	5.0
Cobalt			Not detected	5.0
Copper			Not detected	5.0
Iron			7.9	5.0
Lead			Not detected	3.0
Magnesium			Not detected	10.0
Manganese			Not detected	5.0
Nickel			Not detected	5.0
Potassium			Not detected	30.0
Selenium			Not detected	10.0
Silver			Not detected	5.0

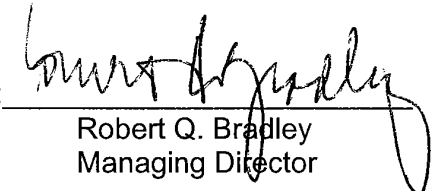
**YORK**

<b>Client Sample ID</b>			<b>EB-3/17</b>	
<b>York Sample ID</b>			<b>04030541-11</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Sodium			Not detected	50.0
Thallium			Not detected	10.0
Vanadium			Not detected	10.0
Zinc			Not detected	20.0
Mercury	SW846-7470	mg/L	Not detected	0.0002

**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. 04030541**

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.
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:** 4/2/2004

**YORK**

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# YORK

ANALYTICAL LABORATORIES, INC.

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## Definitions for FLAGS used as a Results Suffix

Flags are sometimes used on results to indicate certain occurrences during the analysis process. The most common flags used by York are defined below.

### FLAG

### DEFINITION

- J** J indicates an estimated value. This flag applies to Tentatively Identified Compounds or, when requested, for a target compound whose result is less than the reporting limit but whose mass spectral data meet identification criteria. For example if the reporting limit is listed as 10 ppb and the analysis shows 3 ppb, the result can be reported as 3 J. The client must request the use of J flags for the laboratory to report such flags.
- B** B indicates that the analyte was also found in the associated batch method blank. This flag indicates possible/probable blank contamination and warns the data user to be aware. This mostly applies to the volatiles acetone and methylene chloride and the semi-volatiles bis-(2-ethylhexyl) phthalate and other phthalates.
- E** This flag is used to indicate that the reported concentration of an analyte exceeded the calibration range of the analytical system. In this case the result reported is treated as a minimum value. This often applies where clients request an additional analyte after sample analysis, such as acetone, where the initial analysis did not require dilution since acetone was not a target compound. This flag will also apply if after numerous dilutions a specific target compound would significantly dilute out all other targets.



**YORK**

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

# Field Chain-of-Custody Record

04010541

Company Name <b>Enviroscience Consultants, Inc.</b>	Report To: <b>Greg Mengio</b>	Invoice To: <b>Same</b>	Project ID/No. <b>57-1549<sup>th</sup> St. Hesperia (Site) NYCDEP/Soil/SDGG</b>	Samples Collected By (Signature) <i>Tracy Wall</i>
Name (Printed) <b>Tracy Wall</b>				

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
1	TB-317	3/17/04	X				2-40 mL HCL <del>2-8oz jar (none)</del>
2	MW-10A		X			NOCs ONLY VOCs, SVOCs, PAHs & BAs, Total TAL Metals, PCBs, Pesticides	2-8oz jar (none)
3	MW-10B		X				6-8oz jar (none)
4	MW-10A MS/MSD		X				2-8oz jar (none)
5	MW-11B		X				
6	MW-12A		X				
7	MW-12B		X				
8	MW-13A		X				
9	MW-13B		X				
10	BD-317		X				

Chain-of-Custody Record	Sample Relinquished by <i>Wuocheng</i>	Date/Time 3/18/04 10:40A	Sample Received by <i>Wayne</i>	Date/Time 3/18 1045
Bottles Relinquished from Lab by <i>Tracy Wall</i>	Sample Relinquished by	Date/Time	Sample Received in Lab by	Date/Time
Bottles Received in Field by	Sample Relinquished by	Date/Time	Sample Received in Lab by	Date/Time
Comments/Special Instructions <b>NYCDEP ASP CAT B Deliverable</b>		Turn-Around Time <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH(define)		



# YORK

York Analytical Laboratories, Inc.

## Invoice

Invoice Date: 4/2/2004

Invoice Number: 58962

To: **Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Remit to: **York Analytical Laboratories, Inc.—NOTE NEW ADDRESS**  
120 Research Drive  
Stratford, CT 06615  
Attention: Accounts Receivable

Your Purchase Order/Authorization: Verbal: Greg Menegio

Our Sample References: 04030541

Your Project Reference: 57-15 49th St. Maspeth (Site)      Samples Received On: 03/18/04

### Detailed Invoice information

Analysis Name	Quantity	Unit Price	Total Price
Volatiles-8260 list	9	\$90.00	\$810.00
Base/Neutral Extractables soil	9	\$140.00	\$1,260.00
Metals, Target Analyte List(TAL)	9	\$100.00	\$900.00
PCB/Pesticides 8080 List Soil	9	\$95.00	\$855.00
Volatiles-8260 list	1	\$90.00	\$90.00
Trip Blank	1	\$0.00	\$0.00
Base/Neutral Extractables water	1	\$140.00	\$140.00
Metals, Target Analyte List(TAL)	1	\$100.00	\$100.00
PCB/Pesticides 8080 List Water	1	\$95.00	\$95.00
QA/QC Data Package (included)	1	\$0.00	\$0.00
<b>Invoice Total</b>			<b>\$4,250.00</b>

We appreciate your business and your continued support. We remain committed to supplying you the highest quality and service possible. If you have any questions about this invoice, please contact us at (203) 325-1371.

**TERMS NET 30 DAYS**

Original Invoice = Blue

Copies = White

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for.

**Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Report Date: 12/10/2003  
*Re: Client Project ID: DEP/Soil SDG-1/Maspeth, NY*  
York Project No.: 03110576

CT License No. PH-0723    New York License No. 10854    Mass. License No. M-CT106    Rhode Island License No. 93    NJ License No. CT401



ONE RESEARCH DRIVE    STAMFORD, CT 06906    (203) 325-1371    FAX (203) 357-0166

Page 1 of 32

NC-NYCDEP-00000480

Report Date: 12/10/2003  
 Client Project ID: DEP/Soil SDG-1/Maspeth, NY  
 York Project No.: 03110576

**Enviroscience Consultants, Inc.**  
 33 Flying Point Road  
 Suite 208  
 Southhampton, NY 11968  
 Attention: Greg Menegio

**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 11/20/03. The project was identified as your project "DEP/Soil SDG-1/Maspeth, NY."

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

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

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

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

**Analysis Results**

Client Sample ID			SB-1A		SB-1B	
York Sample ID			03110576-01		03110576-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides 8080 List soil	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-1A		SB-1B	
York Sample ID			03110576-01		03110576-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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			27	5.0	Not detected	5.0
Methylene chloride			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

**YORK**

Client Sample ID			SB-1A		SB-1B	
York Sample ID			03110576-01		03110576-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			7	5.0	Not detected	5.0
p-Isopropyltoluene			13	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			39	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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	1700	Not detected	330
Acenaphthylene			Not detected	1700	Not detected	330
Anthracene			440 J	1700	140 J	330
Benzo[a]anthracene			2300	1700	480	330
Benzo[a]pyrene			1900	1700	400	330
Benzo[b]fluoranthene			1300 J	1700	290 J	330
Benzo[g,h,i]perylene			1400 J	1700	300 J	330
Benzo[k]fluoranthene			1700	1700	370	330
Chrysene			2400	1700	500	330
Dibenz[a,h]anthracene			680 J	1700	170 J	330
Fluoranthene			3800	1700	1100	330
Fluorene			Not detected	1700	Not detected	330
Indeno[1,2,3-cd]pyrene			1400 J	1700	300 J	330
Naphthalene			Not detected	1700	Not detected	330
Phenanthrene			1500 J	1700	430	330
Pyrene			3800	1700	1000	330
<b>PCB</b>	SW846-3550B/8082	mg/kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			Not detected	0.02	Not detected	0.02
PCB, Total			Not detected	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			6860	1.00	6140	1.00
Antimony			5.01	1.00	Not detected	1.00
Arsenic			11.8	1.00	4.60	1.00
Barium			368	1.00	151	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			3.99	0.500	1.01	0.500
Calcium			13600	2.00	17600	2.00
Chromium			112	0.500	66.9	0.500
Cobalt			78.3	1.00	300	1.00
Copper			1210	1.00	700	1.00
Iron			56700	1.00	39100	1.00

**YORK**

Client Sample ID			SB-1A		SB-1B	
York Sample ID			03110576-01		03110576-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Lead			1200	1.00	717	1.00
Magnesium			3210	2.00	3770	2.00
Manganese			428	1.00	284	1.00
Nickel			30.6	1.00	24.5	1.00
Potassium			883	3.00	898	3.00
Selenium			10.3	1.00	8.14	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			140	5.00	12800	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			26.0	2.00	19.6	2.00
Zinc			5770	2.00	5330	2.00
Mercury	SW846-7471	mg/kg	0.87	0.10	0.65	0.10

Client Sample ID			SB-2A		SB-2B	
York Sample ID			03110576-03		03110576-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0

**YORK**



Client Sample ID			SB-2A		SB-2B	
York Sample ID			03110576-03		03110576-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			1100	660	Not detected	330

**YORK**

Client Sample ID			SB-2A		SB-2B	
York Sample ID			03110576-03		03110576-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Acenaphthylene			Not detected	660	Not detected	330
Anthracene			1900	660	Not detected	330
Benzo[a]anthracene			2900	660	89 J	330
Benzo[a]pyrene			1900	660	75 J	330
Benzo[b]fluoranthene			1500	660	Not detected	330
Benzo[g,h,i]perylene			990	660	Not detected	330
Benzo[k]fluoranthene			1600	660	61 J	330
Chrysene			2600	660	99 J	330
Dibenz[a,h]anthracene			650 J	660	Not detected	330
Fluoranthene			5000	660	230 J	330
Fluorene			1100	660	Not detected	330
Indeno[1,2,3-cd]pyrene			1200	660	Not detected	330
Naphthalene			730	660	Not detected	330
Phenanthrene			4600	660	180 J	330
Pyrene			4300	660	240 J	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			Not detected	0.02	Not detected	0.02
PCB, Total			Not detected	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			19700	1.00	6500	1.00
Antimony			39.5	1.00	Not detected	1.00
Arsenic			Not detected	1.00	4.06	1.00
Barium			722	1.00	71.2	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			11.1	0.500	Not detected	0.500
Calcium			17200	2.00	1970	2.00
Chromium			870	0.500	27.0	0.500
Cobalt			1470	1.00	30.8	1.00
Copper			5960	1.00	150	1.00
Iron			140000	1.00	18000	1.00
Lead			3430	1.00	148	1.00
Magnesium			17400	2.00	2360	2.00
Manganese			942	1.00	287	1.00
Nickel			254	1.00	14.3	1.00
Potassium			3560	3.00	743	3.00
Selenium			Not detected	1.00	3.60	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			74700	5.00	1760	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			116	2.00	19.4	2.00
Zinc			17000	2.00	714	2.00
Mercury	SW846-7471	mg/kG	0.53	0.10	0.93	0.10

**YORK**

Client Sample ID			MW-6A		SB-3A	
York Sample ID			03110576-05		03110576-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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

**YORK**

Client Sample ID			MW-6A		SB-3A	
York Sample ID			03110576-05		03110576-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			Not detected	330	Not detected	660
Acenaphthylene			Not detected	330	Not detected	660
Anthracene			58 J	330	Not detected	660
Benzo[a]anthracene			250 J	330	Not detected	660
Benzo[a]pyrene			220 J	330	Not detected	660
Benzo[b]fluoranthene			200 J	330	Not detected	660
Benzo[g,h,i]perylene			110 J	330	Not detected	660
Benzo[k]fluoranthene			230 J	330	Not detected	660
Chrysene			290 J	330	Not detected	660
Dibenz[a,h]anthracene			56 J	330	Not detected	660
Fluoranthene			510	330	150 J	660
Fluorene			Not detected	330	Not detected	660
Indeno[1,2,3-cd]pyrene			120 J	330	Not detected	660
Naphthalene			Not detected	330	Not detected	660
Phenanthrene			270 J	330	Not detected	660
Pyrene			460	330	150 J	660
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02

**YORK**

Client Sample ID			MW-6A		SB-3A	
York Sample ID			03110576-05		03110576-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			Not detected	0.02	Not detected	0.02
PCB, Total			Not detected	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			20600	1.00	14100	1.00
Antimony			25.2	1.00	13.1	1.00
Arsenic			Not detected	1.00	33.0	1.00
Barium			768	1.00	4060	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			11.6	0.500	3.69	0.500
Calcium			16400	2.00	13000	2.00
Chromium			591	0.500	365	0.500
Cobalt			1020	1.00	701	1.00
Copper			6090	1.00	3630	1.00
Iron			146000	1.00	103000	1.00
Lead			4380	1.00	3480	1.00
Magnesium			11300	2.00	10700	2.00
Manganese			894	1.00	963	1.00
Nickel			599	1.00	298	1.00
Potassium			4350	3.00	2530	3.00
Selenium			Not detected	1.00	7.58	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			96500	5.00	86900	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			106	2.00	66.3	2.00
Zinc			19100	2.00	19000	2.00
Mercury	SW846-7471	mg/kG	0.56	0.10	2.85	0.10

Client Sample ID			SB-3B		SB-4A	
York Sample ID			03110576-07		03110576-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-3B		SB-4A	
York Sample ID			03110576-07		03110576-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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

**YORK**

Client Sample ID			SB-3B		SB-4A	
York Sample ID			03110576-07		03110576-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	330	Not detected	330
Acenaphthylene			Not detected	330	Not detected	330
Anthracene			64 J	330	Not detected	330
Benzo[a]anthracene			150 J	330	58 J	330
Benzo[a]pyrene			130 J	330	Not detected	330
Benzo[b]fluoranthene			920 J	330	Not detected	330
Benzo[g,h,i]perylene			64 J	330	Not detected	330
Benzo[k]fluoranthene			110 J	330	Not detected	330
Chrysene			170 J	330	66 J	330
Dibenz[a,h]anthracene			Not detected	330	Not detected	330
Fluoranthene			370	330	130 J	330
Fluorene			Not detected	330	Not detected	330
Indeno[1,2,3-cd]pyrene			69 J	330	Not detected	330
Naphthalene			Not detected	330	Not detected	330
Phenanthrene			240 J	330	72 J	330
Pyrene			350	330	120 J	330
<b>PCB</b>	SW846-3550B/8082	mg/kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			Not detected	0.02	Not detected	0.02
PCB, Total			Not detected	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			6400	1.00	20500	1.00
Antimony			Not detected	1.00	18.4	1.00
Arsenic			3.62	1.00	Not detected	1.00
Barium			74.8	1.00	660	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			Not detected	0.500	7.56	0.500
Calcium			2330	2.00	21000	2.00
Chromium			16.3	0.500	535	0.500
Cobalt			6.68	1.00	866	1.00

**YORK**

Client Sample ID			SB-3B		SB-4A	
York Sample ID			03110576-07		03110576-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Copper			27.0	1.00	5540	1.00
Iron			17000	1.00	130000	1.00
Lead			82.8	1.00	3850	1.00
Magnesium			2480	2.00	17000	2.00
Manganese			265	1.00	1100	1.00
Nickel			8.62	1.00	560	1.00
Potassium			973	3.00	4180	3.00
Selenium			3.77	1.00	2.06	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			527	5.00	96700	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			23.2	2.00	103	2.00
Zinc			97.3	2.00	19300	2.00
Mercury	SW846-7471	mg/kg	0.87	0.10	0.92	0.10

Client Sample ID			SB-4B		MW-7A	
York Sample ID			03110576-09		03110576-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides 8080 List soil	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
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

**YORK**



Client Sample ID			SB-4B		MW-7A	
York Sample ID			03110576-09		03110576-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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
Naphthalene			Not detected	5.0	7	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-1,3-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

**YORK**

Client Sample ID			SB-4B		MW-7A	
York Sample ID			03110576-09		03110576-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			1200	660	Not detected	330
Acenaphthylene			580 J	660	Not detected	330
Anthracene			2400	660	80 J	330
Benzo[a]anthracene			6400	660	170 J	330
Benzo[a]pyrene			4300	660	130 J	330
Benzo[b]fluoranthene			5300	660	85 J	330
Benzo[g,h,i]perylene			720	660	Not detected	330
Benzo[k]fluoranthene			2500	660	130 J	330
Chrysene			6200	660	200 J	330
Dibenz[a,h]anthracene			620 J	660	Not detected	330
Fluoranthene			9400	660	270 J	330
Fluorene			2300	660	100 J	330
Indeno[1,2,3-cd]pyrene			1100	660	Not detected	330
Naphthalene			300 J	660	Not detected	330
Phenanthrene			7200	660	390	330
Pyrene			8100	660	320 J	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			Not detected	0.02	Not detected	0.02
PCB, Total			Not detected	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			5130	1.00	23000	1.00
Antimony			8.21	1.00	15.4	1.00
Arsenic			38.7	1.00	Not detected	1.00
Barium			209	1.00	683	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			1.03	0.500	4.45	0.500
Calcium			177	2.00	14000	2.00
Chromium			17.9	0.500	236	0.500
Cobalt			6.97	1.00	1390	1.00
Copper			144	1.00	4070	1.00
Iron			22100	1.00	117000	1.00
Lead			390	1.00	1800	1.00
Magnesium			3100	2.00	9250	2.00
Manganese			544	1.00	826	1.00
Nickel			12.0	1.00	33.2	1.00
Potassium			687	3.00	4100	3.00
Selenium			4.98	1.00	7.90	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			1360	5.00	105000	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			23.3	2.00	101	2.00
Zinc			489	2.00	20400	2.00
Mercury	SW846-7471	mg/kG	1.03	0.10	0.43	0.10

**YORK**

Client Sample ID			MW-7B		SB-5A	
York Sample ID			03110576-11		03110576-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	5.0
1,1,1-Trichloroethane			Not detected	10	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	5.0
1,1,2-Trichloroethane			Not detected	10	Not detected	5.0
1,1-Dichloroethane			Not detected	10	Not detected	5.0
1,1-Dichloroethylene			Not detected	10	Not detected	5.0
1,1-Dichloropropylene			Not detected	10	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	10	Not detected	5.0
1,2,3-Trichloropropane			Not detected	10	Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	10	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	10	Not detected	5.0
1,2,4-Trimethylbenzene			24	10	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	5.0
1,2-Dibromoethane			Not detected	10	Not detected	5.0
1,2-Dichlorobenzene			Not detected	10	Not detected	5.0
1,2-Dichloroethane			Not detected	10	Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	10	Not detected	5.0
1,2-Dichloropropane			Not detected	10	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	10	Not detected	5.0
1,3-Dichlorobenzene			Not detected	10	Not detected	5.0
1,3-Dichloropropane			Not detected	10	Not detected	5.0
1,4-Dichlorobenzene			Not detected	10	Not detected	5.0
1-Chlorohexane			Not detected	10	Not detected	5.0
2,2-Dichloropropane			Not detected	10	Not detected	5.0
2-Chlorotoluene			Not detected	10	Not detected	5.0
4-Chlorotoluene			Not detected	10	Not detected	5.0
Benzene			Not detected	10	Not detected	5.0
Bromobenzene			Not detected	10	Not detected	5.0
Bromochloromethane			Not detected	10	Not detected	5.0

**YORK**

Client Sample ID			MW-7B		SB-5A	
York Sample ID			03110576-11		03110576-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Bromodichloromethane			Not detected	10	Not detected	5.0
Bromoform			Not detected	10	Not detected	5.0
Bromomethane			Not detected	10	Not detected	5.0
Carbon tetrachloride			Not detected	10	Not detected	5.0
Chlorobenzene			Not detected	10	Not detected	5.0
Chloroethane			Not detected	10	Not detected	5.0
Chloroform			Not detected	10	Not detected	5.0
Chloromethane			Not detected	10	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	10	Not detected	5.0
Dibromochloromethane			Not detected	10	Not detected	5.0
Dibromomethane			Not detected	10	Not detected	5.0
Dichlorodifluoromethane			Not detected	10	Not detected	5.0
Ethylbenzene			Not detected	10	Not detected	5.0
Hexachlorobutadiene			Not detected	10	Not detected	5.0
Isopropylbenzene			80	10	Not detected	5.0
Methylene chloride			Not detected	10	Not detected	5.0
Naphthalene			64	10	Not detected	5.0
n-Butylbenzene			140	10	Not detected	5.0
n-Propylbenzene			110	10	Not detected	5.0
o-Xylene			Not detected	10	Not detected	5.0
p- & m-Xylenes			Not detected	10	Not detected	5.0
p-Isopropyltoluene			Not detected	10	Not detected	5.0
sec-Butylbenzene			180	10	Not detected	5.0
Styrene			Not detected	10	Not detected	5.0
tert-Butylbenzene			13	10	Not detected	5.0
Tetrachloroethylene			Not detected	10	Not detected	5.0
Toluene			Not detected	10	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	10	Not detected	5.0
Trichloroethylene			Not detected	10	Not detected	5.0
Trichlorofluoromethane			Not detected	10	Not detected	5.0
Vinyl chloride			Not detected	10	Not detected	5.0
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			1000 J	1700	19000	8300
Acenaphthylene			Not detected	1700	Not detected	8300
Anthracene			620 J	1700	30000	8300
Benzo[a]anthracene			620 J	1700	93000	8300
Benzo[a]pyrene			Not detected	1700	65000	8300
Benzo[b]fluoranthene			Not detected	1700	86000	8300
Benzo[g,h,i]perylene			Not detected	1700	16000	8300
Benzo[k]fluoranthene			Not detected	1700	47000	8300
Chrysene			980 J	1700	67000	8300
Dibenz[a,h]anthracene			Not detected	1700	9900	8300
Fluoranthene			930 J	1700	110000	8300
Fluorene			Not detected	1700	21000	8300
Indeno[1,2,3-cd]pyrene			Not detected	1700	20000	8300
Naphthalene			430 J	1700	13000	8300
Phenanthrene			3100	1700	96000	8300
Pyrene			1200 J	1700	98000	8300
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.20	Not detected	0.20
PCB 1221			Not detected	0.20	Not detected	0.20

**YORK**

Client Sample ID			MW-7B		SB-5A	
York Sample ID			03110576-11		03110576-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1232			Not detected	0.20	Not detected	0.20
PCB 1242			Not detected	0.20	Not detected	0.20
PCB 1248			Not detected	0.20	Not detected	0.20
PCB 1254			Not detected	0.20	Not detected	0.20
PCB 1260			Not detected	0.20	0.58	0.20
PCB, Total			Not detected	0.20	0.58	0.20
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			18400	1.00	13900	1.00
Antimony			9.12	1.00	17.9	1.00
Arsenic			Not detected	1.00	7.90	1.00
Barium			563	1.00	705	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			3.02	0.500	7.32	0.500
Calcium			15400	2.00	21100	2.00
Chromium			267	0.500	247	0.500
Cobalt			1520	1.00	532	1.00
Copper			3540	1.00	2910	1.00
Iron			105000	1.00	86100	1.00
Lead			1830	1.00	3010	1.00
Magnesium			8040	2.00	10800	2.00
Manganese			648	1.00	665	1.00
Nickel			46.6	1.00	120	1.00
Potassium			3220	3.00	2250	3.00
Selenium			4.44	1.00	13.6	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			79800	5.00	41900	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			73.8	2.00	73.5	2.00
Zinc			18400	2.00	13100	2.00
Mercury	SW846-7471	mg/kG	0.55	0.10	0.85	0.10

Client Sample ID			SB-5B		SB-6A	
York Sample ID			03110576-13		03110576-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	76.9	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-5B		SB-6A	
York Sample ID			03110576-13		03110576-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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

**YORK**

Client Sample ID			SB-5B		SB-6A	
York Sample ID			03110576-13		03110576-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Methylene chloride			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	35	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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	330	2600	1700
Acenaphthylene			Not detected	330	Not detected	1700
Anthracene			150 J	330	4700	1700
Benzo[a]anthracene			290 J	330	9400	1700
Benzo[a]pyrene			230 J	330	7200	1700
Benzo[b]fluoranthene			200 J	330	7500	1700
Benzo[g,h,i]perylene			95 J	330	1500 J	1700
Benzo[k]fluoranthene			250 J	330	5100	1700
Chrysene			330	330	9100	1700
Dibenz[a,h]anthracene			Not detected	330	1100 J	1700
Fluoranthene			640	330	15000	1700
Fluorene			65 J	330	2800	1700
Indeno[1,2,3-cd]pyrene			98 J	330	2100	1700
Naphthalene			Not detected	330	520 J	1700
Phenanthrene			530	330	14000	1700
Pyrene			600	330	13000	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.20	Not detected	0.02
PCB 1221			Not detected	0.20	Not detected	0.02
PCB 1232			Not detected	0.20	Not detected	0.02
PCB 1242			Not detected	0.20	Not detected	0.02
PCB 1248			Not detected	0.20	Not detected	0.02
PCB 1254			Not detected	0.20	Not detected	0.02
PCB 1260			Not detected	0.20	Not detected	0.02
PCB, Total			Not detected	0.20	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			5580	1.00	6980	1.00
Antimony			Not detected	1.00	1.97	1.00
Arsenic			41.3	1.00	6.78	1.00
Barium			430	1.00	210	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			0.55	0.500	2.97	0.500
Calcium			11300	2.00	6860	2.00
Chromium			23.4	0.500	89.4	0.500

**YORK**

Client Sample ID			SB-5B		SB-6A	
York Sample ID			03110576-13		03110576-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Cobalt			9.83	1.00	126	1.00
Copper			155	1.00	771	1.00
Iron			49300	1.00	384	1.00
Lead			1120	1.00	884	1.00
Magnesium			2530	2.00	3100	2.00
Manganese			488	1.00	372	1.00
Nickel			4.00	1.00	58.1	1.00
Potassium			2280	3.00	1040	3.00
Selenium			8.63	1.00	7.78	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			1550	5.00	10800	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			13.9	2.00	24.2	2.00
Zinc			629	2.00	4680	2.00
Mercury	SW846-7471	mg/kg	0.63	0.10	1.25	0.10

Client Sample ID			SB-6B		SB-7A	
York Sample ID			03110576-15		03110576-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides 8080 List soil	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	241	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
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

**YORK**



Client Sample ID			SB-6B		SB-7A	
York Sample ID			03110576-15		03110576-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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
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-1,3-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

**YORK**

Client Sample ID			SB-6B		SB-7A	
York Sample ID			03110576-15		03110576-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Vinyl chloride			Not detected	5.0	Not detected	5.0
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			Not detected	330	Not detected	1700
Acenaphthylene			Not detected	330	Not detected	1700
Anthracene			Not detected	330	530 J	1700
Benzo[a]anthracene			Not detected	330	1800	1700
Benzo[a]pyrene			Not detected	330	1500 J	1700
Benzo[b]fluoranthene			Not detected	330	1400 J	1700
Benzo[g,h,i]perylene			Not detected	330	500 J	1700
Benzo[k]fluoranthene			Not detected	330	1800	1700
Chrysene			Not detected	330	2100	1700
Dibenz[a,h]anthracene			Not detected	330	360 J	1700
Fluoranthene			Not detected	330	3700	1700
Fluorene			Not detected	330	Not detected	1700
Indeno[1,2,3-cd]pyrene			Not detected	330	680 J	1700
Naphthalene			Not detected	330	Not detected	1700
Phenanthrene			Not detected	330	2400	1700
Pyrene			Not detected	330	3300	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	0.54	0.02
PCB 1260			Not detected	0.02	0.32	0.02
PCB, Total			Not detected	0.02	0.86	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			22300	1.00	9270	1.00
Antimony			23.5	1.00	14.8	1.00
Arsenic			2.89	1.00	10.2	1.00
Barium			644	1.00	267	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			5.92	0.500	3.39	0.500
Calcium			17900	2.00	10700	2.00
Chromium			345	0.500	109	0.500
Cobalt			830	1.00	101	1.00
Copper			5390	1.00	909	1.00
Iron			123000	1.00	42200	1.00
Lead			2550	1.00	837	1.00
Magnesium			11000	2.00	3350	2.00
Manganese			785	1.00	288	1.00
Nickel			46.4	1.00	45.7	1.00
Potassium			3470	3.00	982	3.00
Selenium			1.66	1.00	8.41	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			126000	5.00	12800	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			66.6	2.00	23.0	2.00
Zinc			21300	2.00	5360	2.00
Mercury	SW846-7471	mg/kG	0.44	0.10	1.83	0.10

**YORK**

Client Sample ID			SB-7B		SB-7C	
York Sample ID			03110576-17		03110576-18	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	108	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	509	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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

**YORK**

Client Sample ID			SB-7B		SB-7C	
York Sample ID			03110576-17		03110576-18	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kgG	---	---	---	---
Acenaphthene			Not detected	330	240 J	660
Acenaphthylene			Not detected	330	Not detected	660
Anthracene			Not detected	330	590 J	660
Benzo[a]anthracene			Not detected	330	2300	660
Benzo[a]pyrene			Not detected	330	2100	660
Benzo[b]fluoranthene			Not detected	330	2500	660
Benzo[g,h,i]perylene			Not detected	330	380 J	660
Benzo[k]fluoranthene			Not detected	330	1800	660
Chrysene			Not detected	330	2100	660
Dibenz[a,h]anthracene			Not detected	330	240 J	660
Fluoranthene			Not detected	330	3700	660
Fluorene			Not detected	330	220 J	660
Indeno[1,2,3-cd]pyrene			Not detected	330	570 J	660
Naphthalene			Not detected	330	Not detected	660
Phenanthrene			Not detected	330	2400	660
Pyrene			Not detected	330	3300	660
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02

**YORK**

Client Sample ID			SB-7B		SB-7C	
York Sample ID			03110576-17		03110576-18	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	0.59	0.02
PCB 1260			Not detected	0.02	0.49	0.02
PCB, Total			Not detected	0.02	1.08	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			2870	1.00	7100	1.00
Antimony			Not detected	1.00	9.12	1.00
Arsenic			1.46	1.00	9.91	1.00
Barium			30.7	1.00	218	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			Not detected	0.500	10.2	0.500
Calcium			4180	2.00	9530	2.00
Chromium			7.38	0.500	90.1	0.500
Cobalt			4.47	1.00	88.0	1.00
Copper			10.8	1.00	948	1.00
Iron			9330	1.00	36800	1.00
Lead			5.19	1.00	767	1.00
Magnesium			3060	2.00	3550	2.00
Manganese			299	1.00	275	1.00
Nickel			8.01	1.00	54.4	1.00
Potassium			595	3.00	809	3.00
Selenium			2.43	1.00	7.09	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			404	5.00	11100	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			9.39	2.00	25.2	2.00
Zinc			55.6	2.00	4750	2.00
Mercury	SW846-7471	mg/kg	0.33	0.10	3.09	0.10

Client Sample ID			SB-8A		SB-8B	
York Sample ID			03110576-19		03110576-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			10.5	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			26.4	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			464	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-8A		SB-8B	
York Sample ID			03110576-19		03110576-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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

**YORK**

Client Sample ID			SB-8A		SB-8B	
York Sample ID			03110576-19		03110576-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			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	18	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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			200 J	660	Not detected	330
Acenaphthylene			Not detected	660	Not detected	330
Anthracene			550 J	660	220 J	330
Benzo[a]anthracene			1600	660	520	330
Benzo[a]pyrene			1300	660	440	330
Benzo[b]fluoranthene			1200	660	370	330
Benzo[g,h,i]perylene			480 J	660	85 J	330
Benzo[k]fluoranthene			980	660	440	330
Chrysene			1500	660	580	330
Dibenz[a,h]anthracene			240 J	660	61 J	330
Fluoranthene			2800	660	990	330
Fluorene			260 J	660	68 J	330
Indeno[1,2,3-cd]pyrene			640 J	660	130 J	330
Naphthalene			Not detected	660	Not detected	330
Phenanthrene			2000	660	770	330
Pyrene			2600	660	900	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			Not detected	0.02	Not detected	0.02
PCB, Total			Not detected	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			6670	1.00	3260	1.00
Antimony			1.40	1.00	2.54	1.00
Arsenic			102	1.00	56.5	1.00
Barium			440	1.00	278	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			2.63	0.500	2.25	0.500
Calcium			23500	2.00	12400	2.00

**YORK**

Client Sample ID			SB-8A		SB-8B	
York Sample ID			03110576-19		03110576-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Chromium			64.2	0.500	16.3	0.500
Cobalt			28.3	1.00	7.39	1.00
Copper			556	1.00	197	1.00
Iron			31500	1.00	18000	1.00
Lead			1410	1.00	263	1.00
Magnesium			3990	2.00	3630	2.00
Manganese			350	1.00	314	1.00
Nickel			28.2	1.00	156	1.00
Potassium			840	3.00	889	3.00
Selenium			6.67	1.00	33.8	1.00
Silver			Not detected	1.00	1.13	1.00
Sodium			5510	5.00	2230	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			20.2	2.00	11.9	2.00
Zinc			2390	2.00	953	2.00
Mercury	SW846-7471	mg/kg	1.02	0.10	0.61	0.10

Client Sample ID			SB-10A	
York Sample ID			03110576-21	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Pesticides 8080 List soil	SW846-3550B/8081	ug/Kg	---	---
4,4'-DDD			18.5	10
4,4'-DDE			Not detected	10
4,4'-DDT			15.7	10
Aldrin			Not detected	10
alpha-BHC			Not detected	10
beta-BHC			Not detected	10
Chlordane			780	50
delta-BHC			Not detected	10
Dieldrin			Not detected	10
Endosulfan I			Not detected	10
Endosulfan II			Not detected	10
Endosulfan sulfate			Not detected	10
Endrin			Not detected	10
Endrin aldehyde			Not detected	10
gamma-BHC (Lindane)			Not detected	10
Heptachlor			Not detected	10
Heptachlor epoxide			Not detected	10
Methoxychlor			Not detected	50
Toxaphene			Not detected	500
Volatiles-8260 list	SW846-8260	ug/Kg	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0
1,1-Dichloroethane			Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0

**YORK**



Client Sample ID			SB-10A	
York Sample ID			03110576-21	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
1,2,3-Trichlorobenzene			Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0
1,2-Dibromoethane			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0
1,2-Dichloropropane			Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,3-Dichloropropane			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
1-Chlorohexane			Not detected	5.0
2,2-Dichloropropane			Not detected	5.0
2-Chlorotoluene			Not detected	5.0
4-Chlorotoluene			Not detected	5.0
Benzene			Not detected	5.0
Bromobenzene			Not detected	5.0
Bromochloromethane			Not detected	5.0
Bromodichloromethane			Not detected	5.0
Bromoform			Not detected	5.0
Bromomethane			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroethane			Not detected	5.0
Chloroform			Not detected	5.0
Chloromethane			Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0
Dibromochloromethane			Not detected	5.0
Dibromomethane			Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0
Ethylbenzene			Not detected	5.0
Hexachlorobutadiene			Not detected	5.0
Isopropylbenzene			Not detected	5.0
Methylene chloride			Not detected	5.0
Naphthalene			10	5.0
n-Butylbenzene			Not detected	5.0
n-Propylbenzene			Not detected	5.0
o-Xylene			Not detected	5.0
p- & m-Xylenes			Not detected	5.0
p-Isopropyltoluene			Not detected	5.0
sec-Butylbenzene			Not detected	5.0
Styrene			Not detected	5.0
tert-Butylbenzene			Not detected	5.0
Tetrachloroethylene			Not detected	5.0
Toluene			Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0
Trichloroethylene			Not detected	5.0

**YORK**

<b>Client Sample ID</b>			<b>SB-10A</b>	
<b>York Sample ID</b>			<b>03110576-21</b>	
<b>Matrix</b>			<b>SOIL</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Trichlorofluoromethane			Not detected	5.0
Vinyl chloride			Not detected	5.0
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---
Acenaphthene			1600 J	1700
Acenaphthylene			Not detected	1700
Anthracene			3200	1700
Benzo[a]anthracene			11000	1700
Benzo[a]pyrene			8500	1700
Benzo[b]fluoranthene			9800	1700
Benzo[g,h,i]perylene			1700	1700
Benzo[k]fluoranthene			7300	1700
Chrysene			11000	1700
Dibenz[a,h]anthracene			1300 J	1700
Fluoranthene			15000	1700
Fluorene			1700	1700
Indeno[1,2,3-cd]pyrene			2400	1700
Naphthalene			560 J	1700
Phenanthrene			11000	1700
Pyrene			13000	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---
PCB 1016			Not detected	0.02
PCB 1221			Not detected	0.02
PCB 1232			Not detected	0.02
PCB 1242			Not detected	0.02
PCB 1248			Not detected	0.02
PCB 1254			Not detected	0.02
PCB 1260			Not detected	0.02
PCB, Total			Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---
Aluminum			6920	1.00
Antimony			Not detected	1.00
Arsenic			6.90	1.00
Barium			199	1.00
Beryllium			Not detected	0.500
Cadmium			0.57	0.500
Calcium			9870	2.00
Chromium			17.0	0.500
Cobalt			5.11	1.00
Copper			98.3	1.00
Iron			12600	1.00
Lead			153	1.00
Magnesium			2600	2.00
Manganese			199	1.00
Nickel			10.1	1.00
Potassium			630	3.00
Selenium			3.15	1.00
Silver			Not detected	1.00
Sodium			1190	5.00
Thallium			Not detected	1.00
Vanadium			21.3	2.00
Zinc			421	2.00

**YORK**

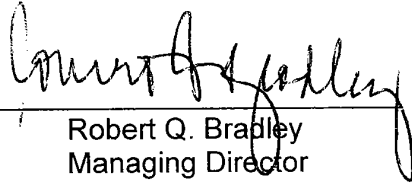
<b>Client Sample ID</b>			<b>SB-10A</b>	
<b>York Sample ID</b>			<b>03110576-21</b>	
<b>Matrix</b>			<b>SOIL</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Mercury	SW846-7471	mg/kg	0.63	0.10

**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. 03110576**

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.
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:** 12/10/2003

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
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## Field Chain-of-Custody Record

02110576

<b>Company Name</b> Environmental Consultants	<b>Report To:</b> G. Menegio	<b>Invoice To:</b> Same	<b>Project ID/No.</b> DEP/5011 SDG-1 page 1 57-15 44th St, Maspeth, NY	<b>Samples Collected By (Signature)</b> <i>Greg Menegio</i>
				<b>Name (Printed)</b> Greg Menegio

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
1	SB-1A	11/19/03		X		VOCs, SVOCs (PAHs only) Pests/PBES, TRACE METALS	2 80Z
2	SB-1B	11/19/03		X			
3	SB-2A			X			
4	SB-2B			X			
5	MW-6A			X			
6	<del>AW-6B</del>		11/19/03 not collected				
7	SB-3A	11/19/03		X		VOCs, SVOCs (PAH only) Pest/PBES, TRACE METALS	2 80Z
8	SB-3B			X			
9	SB-4A			X			
10	SB-4B			X			

<b>Chain-of-Custody Record</b>	<b>Sample Relinquished by</b> <i>John Farrell</i>	<b>Date/Time</b> 11/20/03	<b>Sample Received by</b> <i>Wang</i>	<b>Date/Time</b> 11/20/03
<b>Bottles Relinquished from Lab by</b> <i>John Farrell</i>	<b>Date/Time</b> 11/19/03 5A	<b>Sample Relinquished by</b> <i>Wang</i>	<b>Date/Time</b> 11/20/03	<b>Sample Received in LAB by</b> <i>Wang</i>
<b>Bottles Received in Field by</b> <i>John Farrell</i>	<b>Date/Time</b> 11/19/03 5A	<b>Sample Relinquished by</b> <i>Wang</i>	<b>Date/Time</b> 11/20/03	<b>Sample Received in LAB by</b> <i>Wang</i>
<b>Comments/Special Instructions</b> NYSDOC CAT B Deliverables	<b>Turn-Around Time</b> Standard RUSH(define)			

# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

091165716

Company Name <i>Chromoscience Consultants</i>	Report To: <i>A. Menegio</i>	Invoice To: <i>Same</i>	Project ID/No. <i>DEP/Soil-SDG-1</i>	Sample Collected By (Signature) <i>[Signature]</i>
				Name (Printed) <i>Craig Menegio</i>

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
11	<i>MW-7A</i>	<i>11/19/03</i>		<input checked="" type="checkbox"/>		<i>vol. solvs (FAH only)</i>	
12	<i>MW-7B</i>			<input checked="" type="checkbox"/>		<i>PAHs/PCB. TAC metals</i>	
13	<i>SB-5A</i>			<input checked="" type="checkbox"/>			
14	<i>SB-5B</i>			<input checked="" type="checkbox"/>			
15	<i>SB-6A</i>			<input checked="" type="checkbox"/>			
16	<i>SB-6B</i>			<input checked="" type="checkbox"/>			
17	<i>SB-7A</i>			<input checked="" type="checkbox"/>			
18	<i>SB-7B</i>			<input checked="" type="checkbox"/>			
19	<i>SB-7C</i>			<input checked="" type="checkbox"/>			
20	<i>SB-8A</i>	<i>11/19/03</i>		<input checked="" type="checkbox"/>			<i>MS/MSD 6 8oz</i>

Chain-of-Custody Record		Sample Relinquished by <i>A. Menegio</i>		Date/Time <i>11-20-03/1:00</i>
Bottles Relinquished from Lab by <i>[Signature]</i>	Date/Time <i>11/19/03 SA</i>	Sample Relinquished by <i>Wagner</i>		Date/Time <i>11/20/03</i>
Bottles Received in Field by <i>[Signature]</i>	Date/Time <i>11/19/03 SA</i>	Sample Received in LAB by <i>[Signature]</i>		Date/Time <i>11/20/03</i>
Comments/Special Instructions <i>MS/MSD CAT B Deliverables</i>		Turn-Around Time <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH(define)		

**YORK**  
 ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

# Field Chain-of-Custody Record

02110576

<b>Company Name</b> Environmental Custody Hunts		<b>Report To:</b> G. Menegio	<b>Invoice To:</b> Same	<b>Project ID/No.</b> DEP/SOR SDG-1	<b>Samples Collected By (Signature)</b> <i>[Signature]</i>		
<b>Location/ID</b>		<b>Date Sampled</b>		<b>ANALYSES REQUESTED</b>		<b>Container Description(s)</b>	
<b>Sample No.</b>	<b>Location/ID</b>	<b>Date Sampled</b>	<b>Water</b>	<b>Soil</b>	<b>Air</b>	<b>OTHER</b>	<b>Container Description(s)</b>
21	SB-8B	11/19/03		X			28oz ↓
22	SB-10A	↓		X			
	END DEP/SOR SDG-1						
<b>Chain-of-Custody Record</b>							
Bottles Relinquished from Lab by <i>[Signature]</i>		Date/Time 11/19/03 SA		Sample Relinquished by <i>[Signature]</i>		Date/Time 11-20-03/1:00	
Bottles Received in Field by <i>[Signature]</i>		Date/Time 11/20/03		Sample Relinquished by <i>[Signature]</i>		Date/Time 11/20/03	
<b>Comments/Special Instructions</b> NYS DEC CAT B Deliverables				<b>Turn-Around Time</b> Standard RUSH(define)			

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Report Date: 12/10/2003  
**Re: Client Project ID: DEP/Soil SDG-2/Maspeth, NY**  
York Project No.: 03110577

CT License No. PH-0723    New York License No. 10854    Mass. License No. M-CT106    Rhode Island License No. 93    NJ License No. CT401



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NC-NYCDEP-00000515

Report Date: 12/10/2003  
 Client Project ID: DEP/Soil SDG-2/Maspeth, NY  
 York Project No.: 03110577

**Enviroscience Consultants, Inc.**  
 33 Flying Point Road  
 Suite 208  
 Southhampton, NY 11968  
 Attention: Greg Menegio

## 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 11/20/03. The project was identified as your project "DEP/Soil SDG-2/Maspeth, NY."

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

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

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

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

## Analysis Results

Client Sample ID			MW-9A		MW-9B	
York Sample ID			03110577-01		03110577-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides 8080 List soil	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10

**YORK**



Client Sample ID			MW-9A		MW-9B	
York Sample ID			03110577-01		03110577-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0

**YORK**

Client Sample ID			MW-9A		MW-9B	
York Sample ID			03110577-01		03110577-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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	5	5.0
p-Isopropyltoluene			5	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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	41000	55 J	330
Acenaphthylene			Not detected	41000	Not detected	330
Anthracene			Not detected	41000	130 J	330
Benzo[a]anthracene			11000 J	41000	200 J	330
Benzo[a]pyrene			7600 J	41000	160 J	330
Benzo[b]fluoranthene			9600 JJ	41000	120 J	330
Benzo[g,h,i]perylene			Not detected	41000	76 J	330
Benzo[k]fluoranthene			11000 J	41000	160 J	330
Chrysene			12000 J	41000	160 J	330
Dibenz[a,h]anthracene			Not detected	41000	Not detected	330
Fluoranthene			24000 J	41000	420	330
Fluorene			Not detected	41000	64 J	330
Indeno[1,2,3-cd]pyrene			Not detected	41000	86 J	330
Naphthalene			Not detected	41000	Not detected	330
Phenanthrene			19000 J	41000	390	330
Pyrene			22000 J	41000	370	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.20	Not detected	0.02
PCB 1221			Not detected	0.20	Not detected	0.02
PCB 1232			Not detected	0.20	Not detected	0.02
PCB 1242			Not detected	0.20	Not detected	0.02
PCB 1248			Not detected	0.20	Not detected	0.02
PCB 1254			2.11	0.20	0.04	0.02
PCB 1260			Not detected	0.20	Not detected	0.02
PCB, Total			2.11	0.20	0.04	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			5230	1.00	4270	1.00
Antimony			25.9	1.00	Not detected	1.00
Arsenic			17.3	1.00	3.67	1.00
Barium			221	1.00	43.4	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			19.6	0.500	Not detected	0.500
Calcium			5260	2.00	10500	2.00
Chromium			32.4	0.500	20.2	0.500
Cobalt			11.6	1.00	5.24	1.00
Copper			195	1.00	21.2	1.00
Iron			20600	1.00	12200	1.00

**YORK**

Client Sample ID			MW-9A		MW-9B	
York Sample ID			03110577-01		03110577-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Lead			536	1.00	82.2	1.00
Magnesium			1860	2.00	2310	2.00
Manganese			209	1.00	252	1.00
Nickel			33.9	1.00	9.50	1.00
Potassium			903	3.00	851	3.00
Selenium			8.01	1.00	15.0	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			1630	5.00	364	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			25.6	2.00	15.0	2.00
Zinc			783	2.00	37.6	2.00
Mercury	SW846-7471	mg/kG	3.41	0.10	0.61	0.10

Client Sample ID			SB-10B		MW-8A	
York Sample ID			03110577-03		03110577-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0

**YORK**

Client Sample ID			SB-10B		MW-8A	
York Sample ID			03110577-03		03110577-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			770 J	1700	63 J	660

**YORK**

Client Sample ID			SB-10B		MW-8A	
York Sample ID			03110577-03		03110577-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Acenaphthylene			Not detected	1700	Not detected	660
Anthracene			2100	1700	200 J	660
Benzo[a]anthracene			3000	1700	500 J	660
Benzo[a]pyrene			2200	1700	450 J	660
Benzo[b]fluoranthene			1800	1700	420 J	660
Benzo[g,h,i]perylene			1000 J	1700	220 J	660
Benzo[k]fluoranthene			1900	1700	430 J	660
Chrysene			3000	1700	560 J	660
Dibenz[a,h]anthracene			600 J	1700	110 J	660
Fluoranthene			6400	1700	1100	660
Fluorene			1500 J	1700	72 J	660
Indeno[1,2,3-cd]pyrene			1200 J	1700	240 J	660
Naphthalene			660 J	1700	Not detected	660
Phenanthrene			7100	1700	830	660
Pyrene			5900	1700	980	660
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.20
PCB 1221			Not detected	0.02	Not detected	0.20
PCB 1232			Not detected	0.02	Not detected	0.20
PCB 1242			Not detected	0.02	Not detected	0.20
PCB 1248			Not detected	0.02	Not detected	0.20
PCB 1254			Not detected	0.02	1.25	0.20
PCB 1260			Not detected	0.02	Not detected	0.20
PCB, Total			Not detected	0.02	1.25	0.20
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			3680	1.00	12100	1.00
Antimony			Not detected	1.00	5.38	1.00
Arsenic			2.66	1.00	5.34	1.00
Barium			50.9	1.00	185	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			Not detected	0.500	2.71	0.500
Calcium			10700	2.00	7630	2.00
Chromium			13.2	0.500	30.0	0.500
Cobalt			4.54	1.00	15.3	1.00
Copper			29.2	1.00	409	1.00
Iron			8730	1.00	19800	1.00
Lead			113	1.00	389	1.00
Magnesium			2630	2.00	1370	2.00
Manganese			229	1.00	200	1.00
Nickel			9.83	1.00	31.0	1.00
Potassium			742	3.00	700	3.00
Selenium			2.29	1.00	3.83	1.00
Silver			Not detected	1.00	6.82	1.00
Sodium			526	5.00	3400	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			11.3	2.00	19.0	2.00
Zinc			80.7	2.00	978	2.00
Mercury	SW846-7471	mg/kG	0.36	0.10	2.40	0.10

**YORK**

<b>Client Sample ID</b>			<b>MW-8B</b>	
<b>York Sample ID</b>			<b>03110577-05</b>	
<b>Matrix</b>			<b>SOIL</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---
4,4'-DDD			Not detected	10
4,4'-DDE			Not detected	10
4,4'-DDT			Not detected	10
Aldrin			Not detected	10
alpha-BHC			Not detected	10
beta-BHC			Not detected	10
Chlordane			Not detected	50
delta-BHC			Not detected	10
Dieldrin			Not detected	10
Endosulfan I			Not detected	10
Endosulfan II			Not detected	10
Endosulfan sulfate			Not detected	10
Endrin			Not detected	10
Endrin aldehyde			Not detected	10
gamma-BHC (Lindane)			Not detected	10
Heptachlor			Not detected	10
Heptachlor epoxide			Not detected	10
Methoxychlor			Not detected	50
Toxaphene			Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0
1,1-Dichloroethane			Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0
1,2-Dibromoethane			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0
1,2-Dichloropropane			Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,3-Dichloropropane			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
1-Chlorohexane			Not detected	5.0
2,2-Dichloropropane			Not detected	5.0
2-Chlorotoluene			Not detected	5.0
4-Chlorotoluene			Not detected	5.0
Benzene			Not detected	5.0
Bromobenzene			Not detected	5.0
Bromochloromethane			Not detected	5.0
Bromodichloromethane			Not detected	5.0

**YORK**

Client Sample ID			MW-8B	
York Sample ID			03110577-05	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Bromoform			Not detected	5.0
Bromomethane			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroethane			Not detected	5.0
Chloroform			Not detected	5.0
Chloromethane			Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0
Dibromochloromethane			Not detected	5.0
Dibromomethane			Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0
Ethylbenzene			Not detected	5.0
Hexachlorobutadiene			Not detected	5.0
Isopropylbenzene			Not detected	5.0
Methylene chloride			Not detected	5.0
Naphthalene			Not detected	5.0
n-Butylbenzene			Not detected	5.0
n-Propylbenzene			Not detected	5.0
o-Xylene			Not detected	5.0
p- & m-Xylenes			Not detected	5.0
p-Isopropyltoluene			Not detected	5.0
sec-Butylbenzene			Not detected	5.0
Styrene			Not detected	5.0
tert-Butylbenzene			Not detected	5.0
Tetrachloroethylene			Not detected	5.0
Toluene			Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Trichlorofluoromethane			Not detected	5.0
Vinyl chloride			Not detected	5.0
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---
Acenaphthene			2400	1700
Acenaphthylene			Not detected	1700
Anthracene			3100	1700
Benzo[a]anthracene			4800	1700
Benzo[a]pyrene			3600	1700
Benzo[b]fluoranthene			3700	1700
Benzo[g,h,i]perylene			830 J	1700
Benzo[k]fluoranthene			2800	1700
Chrysene			5300	1700
Dibenz[a,h]anthracene			Not detected	1700
Fluoranthene			11000	1700
Fluorene			4100	1700
Indeno[1,2,3-cd]pyrene			1200 J	1700
Naphthalene			2000	1700
Phenanthrene			13000	1700
Pyrene			9000	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---
PCB 1016			Not detected	0.02
PCB 1221			Not detected	0.02
PCB 1232			Not detected	0.02

**YORK**

Client Sample ID			MW-8B	
York Sample ID			03110577-05	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
PCB 1242			Not detected	0.02
PCB 1248			Not detected	0.02
PCB 1254			Not detected	0.02
PCB 1260			Not detected	0.02
PCB, Total			Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---
Aluminum			7840	1.00
Antimony			Not detected	1.00
Arsenic			5.40	1.00
Barium			430	1.00
Beryllium			Not detected	0.500
Cadmium			0.65	0.500
Calcium			3970	2.00
Chromium			18.3	0.500
Cobalt			5.12	1.00
Copper			96.5	1.00
Iron			15800	1.00
Lead			274	1.00
Magnesium			2730	2.00
Manganese			296	1.00
Nickel			11.6	1.00
Potassium			1090	3.00
Selenium			3.86	1.00
Silver			Not detected	1.00
Sodium			1140	5.00
Thallium			Not detected	1.00
Vanadium			19.7	2.00
Zinc			329	2.00
Mercury	SW846-7471	mg/kG	0.71	0.10

Client Sample ID			EBS-11/19	
York Sample ID			03110577-06	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---
4,4'-DDD			Not detected	0.05
4,4'-DDE			Not detected	0.05
4,4'-DDT			Not detected	0.05
Aldrin			Not detected	0.05
alpha-BHC			Not detected	0.05
beta-BHC			Not detected	0.05
Chlordane			Not detected	0.2
delta-BHC			Not detected	0.05
Dieldrin			Not detected	0.05
Endosulfan I			Not detected	0.05
Endosulfan II			Not detected	0.05
Endosulfan sulfate			Not detected	0.05
Endrin			Not detected	0.05
Endrin aldehyde			Not detected	0.05

**YORK**



Client Sample ID			EBS-11/19	
York Sample ID			03110577-06	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
gamma-BHC (Lindane)			Not detected	0.05
Heptachlor			Not detected	0.05
Heptachlor epoxide			Not detected	0.05
Methoxychlor			Not detected	0.2
Toxaphene			Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			1	1
1,2-Dichloroethane			Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			1	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			Not detected	1

**YORK**

<b>Client Sample ID</b>			<b>EBS-11/19</b>	
<b>York Sample ID</b>			<b>03110577-06</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	<b>SW846-8270</b>	<b>ug/L</b>	<b>---</b>	<b>---</b>
Acenaphthene			Not detected	10
Acenaphthylene			Not detected	10
Anthracene			Not detected	10
Benzo[a]anthracene			Not detected	10
Benzo[a]pyrene			Not detected	10
Benzo[b]fluoranthene			Not detected	10
Benzo[g,h,i]perylene			Not detected	10
Benzo[k]fluoranthene			Not detected	10
Chrysene			Not detected	10
Dibenz[a,h]anthracene			Not detected	10
Fluoranthene			Not detected	10
Fluorene			Not detected	10
Indeno[1,2,3-cd]pyrene			Not detected	10
Naphthalene			Not detected	10
Phenanthrene			Not detected	10
Pyrene			Not detected	10
<b>PCB</b>	<b>SW846-3510C/8082</b>	<b>ug/L</b>	<b>---</b>	<b>---</b>
PCB 1016			Not detected	0.2
PCB 1221			Not detected	0.2
PCB 1232			Not detected	0.2
PCB 1242			Not detected	0.2
PCB 1248			Not detected	0.2
PCB 1254			Not detected	0.2
PCB 1260			Not detected	0.2
PCB, Total			Not detected	0.2
<b>Metals, Target Analyte List(TAL)</b>	<b>SW846-6010</b>	<b>ug/L</b>	<b>---</b>	<b>---</b>
Aluminum			Not detected	5.0
Antimony			Not detected	5.0
Arsenic			Not detected	10.0
Barium			Not detected	10.0
Beryllium			Not detected	1.0
Cadmium			Not detected	3.0
Calcium			43.0	20.0
Chromium			Not detected	5.0
Cobalt			Not detected	5.0

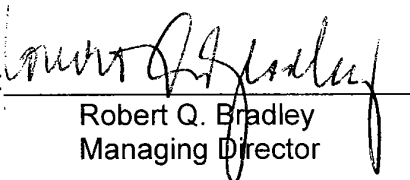
**YORK**

<b>Client Sample ID</b>			<b>EBS-11/19</b>	
<b>York Sample ID</b>			<b>03110577-06</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Copper			Not detected	5.0
Iron			10.4	5.0
Lead			Not detected	3.0
Magnesium			Not detected	10.0
Manganese			Not detected	5.0
Nickel			Not detected	5.0
Potassium			Not detected	30.0
Selenium			Not detected	10.0
Silver			Not detected	5.0
Sodium			Not detected	50.0
Thallium			Not detected	10.0
Vanadium			Not detected	10.0
Zinc			Not detected	20.0
Mercury	SW846-7470	mg/L	Not detected	0.0002

**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. 03110577**

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.
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: 12/10/2003

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

# Field Chain-of-Custody Record

02110577

Company Name <i>EnviroScience Consultants</i>		Report To: <i>G. Menegolo</i>	Invoice To: <i>Same</i>	Project ID/No. <i>DEF/Soil SDG-2 57-15 49th St, Hempstead, NY</i>	Samples Collected By (Signature) <i>[Signature]</i>	Samples Collected By (Printed) <i>Greg Menegolo</i>		
Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)	
			Water	Soil	Air			OTHER
1	MW-9A	11/19/03		X		VOCs, SVOCs (PAH only), Pests/PCBs, TAC Metals	2 802	
2	MW-9B			X				
3	SB-10B			X				
4	MW-8A			X				
5	MW-8B			X				
6	EFS-11/19		X			VOCs, SVOCs (PAH only), Pests/PCBs, Total Metals (TAC only)	2 802/HCl 4/16/MOBE 1/ASOME/HANDS	
	SDG-2 will continue on 11/20/03							

Chain-of-Custody Record		Sample Relinquished by <i>[Signature]</i>		Date/Time <i>11-20-03/1:00</i>	Sample Received by <i>[Signature]</i>		Date/Time <i>11/20/03</i>
Bottles Relinquished from Lab by <i>[Signature]</i>		Sample Relinquished by		Date/Time	Sample Received in LAB by		Date/Time
Bottles Received in Field by <i>[Signature]</i>		Sample Relinquished by		Date/Time <i>11/19/03 5A</i>	Sample Received in LAB by		Date/Time
Comments/Special Instructions <i>nysdel cat-B Deliverables</i>				T-APP-Around Time <i>[Signature]</i> Standard <u>    </u> RUSH(define) <u>    </u>			

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Report Date: 12/10/2003  
*Re: Client Project ID: DEP/Start SDG 3 Soil/Maspeth, NY*  
York Project No.: 03110609

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ONE RESEARCH DRIVE    STAMFORD, CT 06906    (203) 325-1371    FAX (203) 357-0166

Page 1 of 10

NC-NYCDEP-00000529

Report Date: 12/10/2003  
 Client Project ID: DEP/Start SDG 3 Soil/Maspeth, NY  
 York Project No.: 03110609

**Enviroscience Consultants, Inc.**  
 33 Flying Point Road  
 Suite 208  
 Southhampton, NY 11968  
 Attention: Greg Menegio

## 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 11/21/03. The project was identified as your project "DEP/Start SDG 3 Soil/Maspeth, NY."

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

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

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

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

## Analysis Results

Client Sample ID			SB-19A		SB-19B	
York Sample ID			03110609-01		03110609-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides 8080 List soil	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-19A		SB-19B	
York Sample ID			03110609-01		03110609-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0

**YORK**

Client Sample ID			SB-19A		SB-19B	
York Sample ID			03110609-01		03110609-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			1100	660	Not detected	1700
Acenaphthylene			Not detected	660	Not detected	1700
Anthracene			780	660	Not detected	1700
Benzo[a]anthracene			2400	660	260 J	1700
Benzo[a]pyrene			1700	660	190 J	1700
Benzo[b]fluoranthene			1600	660	180 J	1700
Benzo[g,h,i]perylene			410 J	660	Not detected	1700
Benzo[k]fluoranthene			1700	660	200 J	1700
Chrysene			2300	660	300 J	1700
Dibenz[a,h]anthracene			220 J	660	Not detected	1700
Fluoranthene			4900	660	600 J	1700
Fluorene			880	660	Not detected	1700
Indeno[1,2,3-cd]pyrene			500 J	660	Not detected	1700
Naphthalene			860	660	Not detected	1700
Phenanthrene			4500	660	530 J	1700
Pyrene			4100	660	550 J	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			0.07	0.02	Not detected	0.02
PCB 1260			0.06	0.02	Not detected	0.02
PCB, Total			0.13	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			7850	1.00	4950	1.00
Antimony			Not detected	1.00	Not detected	1.00
Arsenic			5.30	1.00	10.2	1.00
Barium			98.1	1.00	161	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			0.67	0.500	Not detected	0.500
Calcium			11300	2.00	5330	2.00
Chromium			19.3	0.500	15.7	0.500
Cobalt			17.3	1.00	6.01	1.00
Copper			124	1.00	73.6	1.00
Iron			15000	1.00	19000	1.00

**YORK**



Client Sample ID			SB-19A		SB-19B	
York Sample ID			03110609-01		03110609-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Lead			407	1.00	534	1.00
Magnesium			5050	2.00	1630	2.00
Manganese			326	1.00	426	1.00
Nickel			41.6	1.00	8.07	1.00
Potassium			1630	3.00	834	3.00
Selenium			3.78	1.00	4.71	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			1890	5.00	1660	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			17.5	2.00	19.0	2.00
Zinc			695	2.00	440	2.00
Mercury	SW846-7471	mg/kg	0.21	0.10	3.56	0.10

Client Sample ID			SB-19C		SB-17A	
York Sample ID			03110609-03		03110609-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides 8080 List soil	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0

**YORK**

Client Sample ID			SB-19C		SB-17A	
York Sample ID			03110609-03		03110609-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	1700	650 J	1700

**YORK**

Client Sample ID			SB-19C		SB-17A	
York Sample ID			03110609-03		03110609-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Acenaphthylene			Not detected	1700	Not detected	1700
Anthracene			440 J	1700	1500 J	1700
Benzo[a]anthracene			730 J	1700	3000	1700
Benzo[a]pyrene			600 J	1700	2300	1700
Benzo[b]fluoranthene			520 J	1700	2400	1700
Benzo[g,h,i]perylene			Not detected	1700	890 J	1700
Benzo[k]fluoranthene			640 J	1700	2500	1700
Chrysene			800 J	1700	2700	1700
Dibenz[a,h]anthracene			Not detected	1700	360 J	1700
Fluoranthene			1800	1700	5800	1700
Fluorene			Not detected	1700	720 J	1700
Indeno[1,2,3-cd]pyrene			Not detected	1700	960 J	1700
Naphthalene			Not detected	1700	510 J	1700
Phenanthrene			1600 J	1700	5000	1700
Pyrene			1700	1700	5300	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.20
PCB 1221			Not detected	0.02	Not detected	0.20
PCB 1232			Not detected	0.02	Not detected	0.20
PCB 1242			Not detected	0.02	Not detected	0.20
PCB 1248			Not detected	0.02	Not detected	0.20
PCB 1254			Not detected	0.02	2.72	0.20
PCB 1260			Not detected	0.02	1.51	0.20
PCB, Total			Not detected	0.02	4.23	0.20
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			5490	1.00	12300	1.00
Antimony			Not detected	1.00	27.3	1.00
Arsenic			12.0	1.00	23.0	1.00
Barium			198	1.00	310	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			Not detected	0.500	30.7	0.500
Calcium			9800	2.00	13900	2.00
Chromium			17.0	0.500	84.8	0.500
Cobalt			6.84	1.00	37.8	1.00
Copper			118	1.00	1570	1.00
Iron			19000	1.00	38200	1.00
Lead			794	1.00	1200	1.00
Magnesium			1940	2.00	2900	2.00
Manganese			581	1.00	446	1.00
Nickel			9.60	1.00	109	1.00
Potassium			820	3.00	13900	3.00
Selenium			5.39	1.00	8.82	1.00
Silver			Not detected	1.00	4.70	1.00
Sodium			1510	5.00	6570	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			20.2	2.00	36.7	2.00
Zinc			453	2.00	2740	2.00
Mercury	SW846-7471	mg/kG	2.54	0.10	1.55	0.10

**YORK**

Client Sample ID			SB-17B		SB-20A	
York Sample ID			03110609-05		03110609-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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

**YORK**

Client Sample ID			SB-17B		SB-20A	
York Sample ID			03110609-05		03110609-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	330	490 J	1700
Acenaphthylene			Not detected	330	Not detected	1700
Anthracene			Not detected	330	1200 J	1700
Benzo[a]anthracene			69 J	330	1900	1700
Benzo[a]pyrene			Not detected	330	1500 J	1700
Benzo[b]fluoranthene			53 J	330	1500 J	1700
Benzo[g,h,i]perylene			Not detected	330	490 J	1700
Benzo[k]fluoranthene			64 J	330	1400 J	1700
Chrysene			72 J	330	2000	1700
Dibenz[a,h]anthracene			Not detected	330	Not detected	1700
Fluoranthene			140 J	330	5000	1700
Fluorene			Not detected	330	630 J	1700
Indeno[1,2,3-cd]pyrene			Not detected	330	500 J	1700
Naphthalene			Not detected	330	360 J	1700
Phenanthrene			79 J	330	4700	1700
Pyrene			140 J	330	4300	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02

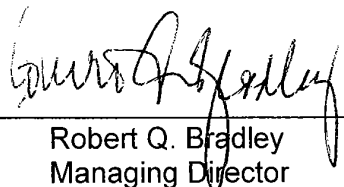
**YORK**

Client Sample ID			SB-17B		SB-20A	
York Sample ID			03110609-05		03110609-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	0.07	0.02
PCB 1260			Not detected	0.02	0.05	0.02
PCB, Total			Not detected	0.02	0.12	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			8720	1.00	6400	1.00
Antimony			Not detected	1.00	1.04	1.00
Arsenic			4.62	1.00	21.2	1.00
Barium			79.3	1.00	138	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			Not detected	0.500	0.56	0.500
Calcium			19300	2.00	8370	2.00
Chromium			15.2	0.500	39.8	0.500
Cobalt			15.5	1.00	31.8	1.00
Copper			23.1	1.00	378	1.00
Iron			12300	1.00	21500	1.00
Lead			27.9	1.00	468	1.00
Magnesium			3990	2.00	2840	2.00
Manganese			214	1.00	298	1.00
Nickel			33.3	1.00	23.7	1.00
Potassium			3630	3.00	888	3.00
Selenium			4.01	1.00	7.87	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			401	5.00	3890	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			18.6	2.00	18.6	2.00
Zinc			124	2.00	1670	2.00
Mercury	SW846-7471	mg/kG	0.32	0.10	1.08	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. 03110609**

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.
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:** 12/10/2003

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

# Field Chain-of-Custody Record

Page 1 of 1  
 SDC 3-Soil

03110009

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
1	SB-19A	11/20/03		X			VOCs, SVOCs (PART ONLY) Pests/PBBs, PAHs, Metals	1802 1402
2	SB-19B			X				
3	SB-19C			X				
4	SB-17A			X				
5	SB-17B			X			MS/MSD	
6	<del>DW-2A</del> <sup>not collected</sup>	11/20/03						
7	<del>DW-2B</del> <sup>not collected</sup>	11/20/03						
6	SB-20A			X				
7	SB-20B <sup>not collected</sup>	11/20/03		X				
	SDC 3 (soil)							
*SDC 3 To Be Continued on later date								

Company Name	Report To:	Invoice To:	Project ID/No.
Environmental Course/Trunk	A. Menegio	Same	DEP/START SDC 3 SOIL 57-15 44th St, Mamaroneck, NY
Samples Collected By (Signature)		Name (Printed)	
<i>A. Menegio</i>		Greg Menegio	

Chain-of-Custody Record	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
Bottles Relinquished from Lab by	<i>A. Menegio</i>	11/20/03 5A	<i>Wang</i>	11/21 200
Bottles Received in Field by				
Comments/Special Instructions	NYSDC CAT B Deliverables			
	Standard		RUSH(define)	

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Report Date: 12/18/2003

***Re: Client Project ID: DEP/Soil/Continued SDG-2 from 11/19; Maspeth, NY***  
York Project No.: 03110610

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ONE RESEARCH DRIVE    STAMFORD, CT 06906    (203) 325-1371    FAX (203) 357-0166  
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NC-NYCDEP-00000540



Report Date: 12/18/2003  
 Client Project ID: DEP/Soil/Continued SDG-2 from 11/19; Maspeth, NY  
 York Project No.: 03110610

**Enviroscience Consultants, Inc.**  
 33 Flying Point Road  
 Suite 208  
 Southhampton, NY 11968  
 Attention: Greg Menegio

## 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 11/21/03. The project was identified as your project "DEP/Soil/Continued SDG-2 from 11/19; Maspeth, NY."

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

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

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

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

## Analysis Results

Client Sample ID			SB-12A		SB-12B	
York Sample ID			03110610-01		03110610-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides 8080 List soil	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-12A		SB-12B	
York Sample ID			03110610-01		03110610-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0

**YORK**

Client Sample ID			SB-12A		SB-12B	
York Sample ID			03110610-01		03110610-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			Not detected	330	Not detected	330
Acenaphthylene			Not detected	330	Not detected	330
Anthracene			75 J	330	Not detected	330
Benzo[a]anthracene			220	330	59 J	330
Benzo[a]pyrene			180 J	330	53 J	330
Benzo[b]fluoranthene			150 J	330	Not detected	330
Benzo[g,h,i]perylene			100 J	330	Not detected	330
Benzo[k]fluoranthene			160 J	330	55 J	330
Chrysene			240	330	62 J	330
Dibenz[a,h]anthracene			Not detected	330	Not detected	330
Fluoranthene			480	330	120 J	330
Fluorene			Not detected	330	Not detected	330
Indeno[1,2,3-cd]pyrene			110 J	330	Not detected	330
Naphthalene			Not detected	330	Not detected	330
Phenanthrene			230 J	330	65 J	330
Pyrene			450	330	120 J	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			Not detected	0.02	Not detected	0.02
PCB, Total			Not detected	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			4970	1.00	3390	1.00
Antimony			Not detected	1.00	Not detected	1.00
Arsenic			2.07	1.00	1.65	1.00
Barium			43.7	1.00	40.3	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			Not detected	0.500	Not detected	0.500
Calcium			1990	2.00	5340	2.00
Chromium			014.0	0.500	8.84	0.500
Cobalt			4.37	1.00	5.62	1.00
Copper			22.5	1.00	12.3	1.00
Iron			18600	1.00	11400	1.00

**YORK**

Client Sample ID			SB-12A		SB-12B	
York Sample ID			03110610-01		03110610-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Lead			11.7	1.00	7.40	1.00
Magnesium			2110	2.00	2860	2.00
Manganese			414	1.00	275	1.00
Nickel			5.60	1.00	7.41	1.00
Potassium			923	3.00	765	3.00
Selenium			4.86	1.00	3.19	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			787	5.00	430	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			20.3	2.00	15.7	2.00
Zinc			39.3	2.00	28.9	2.00
Mercury	SW846-7471	mg/kg	0.11	0.10	Not detected	0.10

Client Sample ID			SB-11A		SB-11B	
York Sample ID			03110610-03		03110610-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			11.7	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			26.8	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			732	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0

**YORK**

Client Sample ID			SB-11A		SB-11B	
York Sample ID			03110610-03		03110610-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	1700	Not detected	330

**YORK**

Client Sample ID			SB-11A		SB-11B	
York Sample ID			03110610-03		03110610-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Acenaphthylene			Not detected	1700	Not detected	330
Anthracene			500 J	1700	Not detected	330
Benzo[a]anthracene			1500 J	1700	Not detected	330
Benzo[a]pyrene			1400 J	1700	Not detected	330
Benzo[b]fluoranthene			1600 J	1700	Not detected	330
Benzo[g,h,i]perylene			440 J	1700	Not detected	330
Benzo[k]fluoranthene			1600 J	1700	Not detected	330
Chrysene			1700	1700	Not detected	330
Dibenz[a,h]anthracene			Not detected	1700	Not detected	330
Fluoranthene			2800	1700	Not detected	330
Fluorene			Not detected	1700	Not detected	330
Indeno[1,2,3-cd]pyrene			570 J	1700	Not detected	330
Naphthalene			Not detected	1700	Not detected	330
Phenanthrene			2000	1700	Not detected	330
Pyrene			2500	1700	Not detected	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			Not detected	0.02	Not detected	0.02
PCB, Total			Not detected	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			5690	1.00	3150	1.00
Antimony			Not detected	1.00	Not detected	1.00
Arsenic			5.57	1.00	1.36	1.00
Barium			340	1.00	27.5	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			0.72	0.500	Not detected	0.500
Calcium			43200	2.00	1500	2.00
Chromium			15.4	0.500	7.78	0.500
Cobalt			3.97	1.00	4.04	1.00
Copper			55.8	1.00	8.89	1.00
Iron			8400	1.00	7700	1.00
Lead			401	1.00	3.71	1.00
Magnesium			6300	2.00	1710	2.00
Manganese			200	1.00	123	1.00
Nickel			135	1.00	6.31	1.00
Potassium			593	3.00	967	3.00
Selenium			2.30	1.00	1.81	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			1090	5.00	277	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			14.4	2.00	10.6	2.00
Zinc			357	2.00	22.3	2.00
Mercury	SW846-7471	mg/kG	1.11	0.10	0.27	0.10

**YORK**

Client Sample ID			MW-5A		MW-5B	
York Sample ID			03110610-05		03110610-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			10.8	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			1100	50	120	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			20.7	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,1,1,2,2-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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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

**YORK**

Client Sample ID			MW-5A		MW-5B	
York Sample ID			03110610-05		03110610-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			8500 JE	17000	810 J	1700
Acenaphthylene			Not detected	17000	Not detected	1700
Anthracene			17000 E	17000	2000	1700
Benzo[a]anthracene			48000 E	17000	4300	1700
Benzo[a]pyrene			35000 E	17000	3400	1700
Benzo[b]fluoranthene			39000 E	17000	3000	1700
Benzo[g,h,i]perylene			5000 JE	17000	870 J	1700
Benzo[k]fluoranthene			41000 E	17000	3100	1700
Chrysene			53000 E	17000	4800	1700
Dibenz[a,h]anthracene			2700 JE	17000	470 J	1700
Fluoranthene			79000 E	17000	7400	1700
Fluorene			8600 JE	17000	1100 J	1700
Indeno[1,2,3-cd]pyrene			6500 JE	17000	1200 J	1700
Naphthalene			4700 JE	17000	580 J	1700
Phenanthrene			64000 E	17000	7100	1700
Pyrene			70000 E	17000	6500	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02

**YORK**



Client Sample ID			MW-5A		MW-5B	
York Sample ID			03110610-05		03110610-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			Not detected	0.02	Not detected	0.02
PCB, Total			Not detected	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			9890	1.00	31500	1.00
Antimony			4.82	1.00	69.5	1.00
Arsenic			7.39	1.00	5.71	1.00
Barium			480	1.00	1820	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			2.93	0.500	10.5	0.500
Calcium			28200	2.00	23300	2.00
Chromium			216	0.500	589	0.500
Cobalt			322	1.00	3680	1.00
Copper			1920	1.00	6560	1.00
Iron			74600	1.00	1400	1.00
Lead			860	1.00	2840	1.00
Magnesium			8250	2.00	13200	2.00
Manganese			589	1.00	1070	1.00
Nickel			47.1	1.00	172	1.00
Potassium			1820	3.00	4990	3.00
Selenium			12.0	1.00	Not detected	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			23100	5.00	94800	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			52.3	2.00	104	2.00
Zinc			8210	2.00	18100	2.00
Mercury	SW846-7471	mg/kG	0.43	0.10	0.22	0.10

Client Sample ID			SB-13A		SB-13B	
York Sample ID			03110610-07		03110610-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			60.4	10	Not detected	10
4,4'-DDE			15.4	10	Not detected	10
4,4'-DDT			30.6	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			505	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-13A		SB-13B	
York Sample ID			03110610-07		03110610-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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

**YORK**

Client Sample ID			SB-13A		SB-13B	
York Sample ID			03110610-07		03110610-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	330	Not detected	330
Acenaphthylene			Not detected	330	Not detected	330
Anthracene			100 J	330	Not detected	330
Benzo[a]anthracene			290 J	330	Not detected	330
Benzo[a]pyrene			240 J	330	Not detected	330
Benzo[b]fluoranthene			220 J	330	Not detected	330
Benzo[g,h,i]perylene			60 J	330	Not detected	330
Benzo[k]fluoranthene			250 J	330	Not detected	330
Chrysene			330	330	Not detected	330
Dibenz[a,h]anthracene			Not detected	330	Not detected	330
Fluoranthene			550	330	Not detected	330
Fluorene			Not detected	330	Not detected	330
Indeno[1,2,3-cd]pyrene			82 J	330	Not detected	330
Naphthalene			Not detected	330	Not detected	330
Phenanthrene			430	330	Not detected	330
Pyrene			490	330	Not detected	330
<b>PCB</b>	SW846-3550B/8082	mg/kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			Not detected	0.02	Not detected	0.02
PCB, Total			Not detected	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			2400	1.00	3050	1.00
Antimony			Not detected	1.00	Not detected	1.00
Arsenic			2.40	1.00	Not detected	1.00
Barium			839	1.00	41.3	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			0.67	0.500	Not detected	0.500
Calcium			518	2.00	8360	2.00
Chromium			9.83	0.500	6.71	0.500
Cobalt			3.43	1.00	4.33	1.00

**YORK**

Client Sample ID			SB-13A		SB-13B	
York Sample ID			03110610-07		03110610-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Copper			27.0	1.00	9.55	1.00
Iron			6450	1.00	69.3	1.00
Lead			188	1.00	3.89	1.00
Magnesium			1350	2.00	4450	2.00
Manganese			107	1.00	209	1.00
Nickel			5.51	1.00	6.63	1.00
Potassium			458	3.00	815	3.00
Selenium			1.59	1.00	1.80	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			2720	5.00	294	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			8.13	2.00	8.94	2.00
Zinc			1160	2.00	34.3	2.00
Mercury	SW846-7471	mg/kg	0.26	0.10	Not detected	0.10

Client Sample ID			SB-14A	
York Sample ID			03110610-09	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---
4,4'-DDD			Not detected	10
4,4'-DDE			Not detected	10
4,4'-DDT			Not detected	10
Aldrin			Not detected	10
alpha-BHC			Not detected	10
beta-BHC			Not detected	10
Chlordane			89.2	50
delta-BHC			Not detected	10
Dieldrin			Not detected	10
Endosulfan I			Not detected	10
Endosulfan II			Not detected	10
Endosulfan sulfate			Not detected	10
Endrin			Not detected	10
Endrin aldehyde			Not detected	10
gamma-BHC (Lindane)			Not detected	10
Heptachlor			Not detected	10
Heptachlor epoxide			Not detected	10
Methoxychlor			Not detected	50
Toxaphene			Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0
1,1-Dichloroethane			Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0

**YORK**

Client Sample ID			SB-14A	
York Sample ID			03110610-09	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
1,2,3-Trimethylbenzene			Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0
1,2-Dibromoethane			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0
1,2-Dichloropropane			Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,3-Dichloropropane			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
1-Chlorohexane			Not detected	5.0
2,2-Dichloropropane			Not detected	5.0
2-Chlorotoluene			Not detected	5.0
4-Chlorotoluene			Not detected	5.0
Benzene			Not detected	5.0
Bromobenzene			Not detected	5.0
Bromochloromethane			Not detected	5.0
Bromodichloromethane			Not detected	5.0
Bromoform			Not detected	5.0
Bromomethane			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroethane			Not detected	5.0
Chloroform			Not detected	5.0
Chloromethane			Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0
Dibromochloromethane			Not detected	5.0
Dibromomethane			Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0
Ethylbenzene			Not detected	5.0
Hexachlorobutadiene			Not detected	5.0
Isopropylbenzene			Not detected	5.0
Methylene chloride			Not detected	5.0
Naphthalene			Not detected	5.0
n-Butylbenzene			Not detected	5.0
n-Propylbenzene			Not detected	5.0
o-Xylene			Not detected	5.0
p- & m-Xylenes			Not detected	5.0
p-Isopropyltoluene			Not detected	5.0
sec-Butylbenzene			Not detected	5.0
Styrene			Not detected	5.0
tert-Butylbenzene			Not detected	5.0
Tetrachloroethylene			Not detected	5.0
Toluene			Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Trichlorofluoromethane			Not detected	5.0
Vinyl chloride			Not detected	5.0

**YORK**

<b>Client Sample ID</b>			<b>SB-14A</b>	
<b>York Sample ID</b>			<b>03110610-09</b>	
<b>Matrix</b>			<b>SOIL</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---
Acenaphthene			100 J	660
Acenaphthylene			Not detected	660
Anthracene			320 J	660
Benzo[a]anthracene			960	660
Benzo[a]pyrene			870	660
Benzo[b]fluoranthene			750	660
Benzo[g,h,i]perylene			130 J	660
Benzo[k]fluoranthene			1100	660
Chrysene			1100	660
Dibenz[a,h]anthracene			Not detected	660
Fluoranthene			1800	660
Fluorene			110 J	660
Indeno[1,2,3-cd]pyrene			190 J	660
Naphthalene			230 J	660
Phenanthrene			1300	660
Pyrene			1700	660
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---
PCB 1016			Not detected	0.02
PCB 1221			Not detected	0.02
PCB 1232			Not detected	0.02
PCB 1242			Not detected	0.02
PCB 1248			0.19	0.02
PCB 1254			0.21	0.02
PCB 1260			0.25	0.02
PCB, Total			0.65	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---
Aluminum			4900	1.00
Antimony			Not detected	1.00
Arsenic			6.26	1.00
Barium			189	1.00
Beryllium			Not detected	0.500
Cadmium			0.89	0.500
Calcium			5610	2.00
Chromium			13.4	0.500
Cobalt			12.2	1.00
Copper			80.0	1.00
Iron			10300	1.00
Lead			185	1.00
Magnesium			1480	2.00
Manganese			133	1.00
Nickel			12.4	1.00
Potassium			380	3.00
Selenium			2.50	1.00
Silver			Not detected	1.00
Sodium			1080	5.00
Thallium			Not detected	1.00
Vanadium			13.8	2.00
Zinc			409	2.00
Mercury	SW846-7471	mg/kG	0.14	0.10

**YORK**

Client Sample ID			SB-14B		SB-15A	
York Sample ID			03110610-10		03110610-11	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			27.5	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			84.4	50	265	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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

**YORK**

Client Sample ID			SB-14B		SB-15A	
York Sample ID			03110610-10		03110610-11	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	1700	Not detected	3300
Acenaphthylene			Not detected	1700	Not detected	3300
Anthracene			380 J	1700	530 J	3300
Benzo[a]anthracene			1100 J	1700	1600 J	3300
Benzo[a]pyrene			1100 J	1700	1500 J	3300
Benzo[b]fluoranthene			900 J	1700	1900 J	3300
Benzo[g,h,i]perylene			Not detected	1700	670 J	3300
Benzo[k]fluoranthene			1300 J	1700	1700 J	3300
Chrysene			1400 J	1700	2200 J	3300
Dibenz[a,h]anthracene			Not detected	1700	Not detected	3300
Fluoranthene			2100	1700	3700	3300
Fluorene			Not detected	1700	Not detected	3300
Indeno[1,2,3-cd]pyrene			Not detected	1700	810 J	3300
Naphthalene			780 J	1700	Not detected	3300
Phenanthrene			1600 J	1700	2400 J	3300
Pyrene			1900	1700	3400	3300
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02

**YORK**



Client Sample ID			SB-14B		SB-15A	
York Sample ID			03110610-10		03110610-11	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			0.32	0.02	Not detected	0.02
PCB 1254			0.19	0.02	0.45	0.02
PCB 1260			0.08	0.02	0.16	0.02
PCB, Total			0.59	0.02	0.61	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			5510	1.00	6650	1.00
Antimony			Not detected	1.00	13.0	1.00
Arsenic			7.18	1.00	10.8	1.00
Barium			241	1.00	367	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			1.05	0.500	30.6	0.500
Calcium			8540	2.00	9940	2.00
Chromium			17.4	0.500	84.3	0.500
Cobalt			6.30	1.00	99.1	1.00
Copper			7290	1.00	1120	1.00
Iron			11100	1.00	40400	1.00
Lead			172	1.00	810	1.00
Magnesium			1710	2.00	3120	2.00
Manganese			162	1.00	347	1.00
Nickel			11.4	1.00	54.7	1.00
Potassium			463	3.00	855	3.00
Selenium			2.85	1.00	8.32	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			930	5.00	10800	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			16.6	2.00	35.9	2.00
Zinc			340	2.00	4470	2.00
Mercury	SW846-7471	mg/kG	0.40	0.10	0.60	0.10

Client Sample ID			SB-15B		SB-16A	
York Sample ID			03110610-12		03110610-13	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	538	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-15B		SB-16A	
York Sample ID			03110610-12		03110610-13	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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

**YORK**

Client Sample ID			SB-15B		SB-16A	
York Sample ID			03110610-12		03110610-13	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Methylene chloride			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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	330	Not detected	1700
Acenaphthylene			Not detected	330	Not detected	1700
Anthracene			Not detected	330	440 J	1700
Benzo[a]anthracene			99 J	330	1500 J	1700
Benzo[a]pyrene			95 J	330	1200 J	1700
Benzo[b]fluoranthene			74 J	330	1100 J	1700
Benzo[g,h,i]perylene			77 J	330	790 J	1700
Benzo[k]fluoranthene			78 J	330	1200 J	1700
Chrysene			110 J	330	1700	1700
Dibenz[a,h]anthracene			Not detected	330	340 J	1700
Fluoranthene			230 J	330	3200	1700
Fluorene			Not detected	330	Not detected	1700
Indeno[1,2,3-cd]pyrene			66 J	330	790 J	1700
Naphthalene			Not detected	330	Not detected	1700
Phenanthrene			170 J	330	1800	1700
Pyrene			230 J	330	3000	1700
<b>PCB</b>	SW846-3550B/8082	mg/kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			Not detected	0.02	Not detected	0.02
PCB 1260			Not detected	0.02	0.22	0.02
PCB, Total			Not detected	0.02	0.22	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			3590	1.00	5060	1.00
Antimony			Not detected	1.00	Not detected	1.00
Arsenic			1.86	1.00	6.45	1.00
Barium			39.5	1.00	153	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			Not detected	0.500	3.09	0.500
Calcium			1630	2.00	26500	2.00
Chromium			12.4	0.500	237	0.500

**YORK**

Client Sample ID			SB-15B		SB-16A	
York Sample ID			03110610-12		03110610-13	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Cobalt			7.02	1.00	15.6	1.00
Copper			19.9	1.00	382	1.00
Iron			14100	1.00	16000	1.00
Lead			15.3	1.00	211	1.00
Magnesium			1650	2.00	2710	2.00
Manganese			324	1.00	281	1.00
Nickel			9.22	1.00	18.7	1.00
Potassium			967	3.00	692	3.00
Selenium			3.16	1.00	3.86	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			368	5.00	2260	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			18.2	2.00	14.8	2.00
Zinc			64.1	2.00	939	2.00
Mercury	SW846-7471	mg/kg	0.13	0.10	0.29	0.10

Client Sample ID			SB-16B		MW-6B	
York Sample ID			03110610-14		03110610-15	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides 8080 List soil	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			Not detected	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
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

**YORK**

Client Sample ID			SB-16B		MW-6B	
York Sample ID			03110610-14		03110610-15	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,3-Trimethylbenzene			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	710	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-Dichloroethylene (Total)			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	290	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
1-Chlorohexane			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-1,3-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	44	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	56	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
Naphthalene			420	5.0	270	5.0
n-Butylbenzene			Not detected	5.0	140	5.0
n-Propylbenzene			Not detected	5.0	36	5.0
o-Xylene			Not detected	5.0	500	5.0
p- & m-Xylenes			Not detected	5.0	880	5.0
p-Isopropyltoluene			Not detected	5.0	11000	200
sec-Butylbenzene			Not detected	5.0	79	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-1,3-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

**YORK**

Client Sample ID			SB-16B		MW-6B	
York Sample ID			03110610-14		03110610-15	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Vinyl chloride			Not detected	5.0	Not detected	5.0
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			380 J	1700	660 J	3300
Acenaphthylene			Not detected	1700	Not detected	3300
Anthracene			840 J	1700	1400 J	3300
Benzo[a]anthracene			2200	1700	2100 J	3300
Benzo[a]pyrene			1800	1700	1600 J	3300
Benzo[b]fluoranthene			1600 J	1700	1300 J	3300
Benzo[g,h,i]perylene			900 J	1700	710 J	3300
Benzo[k]fluoranthene			1700	1700	1500 J	3300
Chrysene			2400	1700	2200 J	3300
Dibenz[a,h]anthracene			510 J	1700	Not detected	3300
Fluoranthene			4500	1700	5200	3300
Fluorene			510 J	1700	920 J	3300
Indeno[1,2,3-cd]pyrene			970 J	1700	780 J	3300
Naphthalene			980 J	1700	860 J	3300
Phenanthrene			2400	1700	5700	3300
Pyrene			4100	1700	5000	3300
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			0.30	0.02	Not detected	0.02
PCB 1260			0.07	0.02	Not detected	0.02
PCB, Total			0.37	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			5990	1.00	12600	1.00
Antimony			1.71	1.00	6.43	1.00
Arsenic			28.8	1.00	14.3	1.00
Barium			116	1.00	2620	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			6.79	0.500	1.63	0.500
Calcium			154	2.00	16300	2.00
Chromium			56.7	0.500	219	0.500
Cobalt			21.4	1.00	734	1.00
Copper			514	1.00	2020	1.00
Iron			27800	1.00	69800	1.00
Lead			484	1.00	2160	1.00
Magnesium			6170	2.00	8430	2.00
Manganese			241	1.00	496	1.00
Nickel			61.3	1.00	63.0	1.00
Potassium			1050	3.00	1860	3.00
Selenium			6.97	1.00	11.2	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			4900	5.00	39000	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			19.8	2.00	40.3	2.00
Zinc			2070	2.00	12200	2.00
Mercury	SW846-7471	mg/kG	0.92	0.10	0.43	0.10

**YORK**

Client Sample ID			SB-15C	
York Sample ID			03110610-16	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
<b>Pesticides 8080 List soil</b>	SW846-3550B/8081	ug/Kg	---	---
4,4'-DDD			Not detected	10
4,4'-DDE			Not detected	10
4,4'-DDT			Not detected	10
Aldrin			Not detected	10
alpha-BHC			Not detected	10
beta-BHC			Not detected	10
Chlordane			Not detected	50
delta-BHC			Not detected	10
Dieldrin			Not detected	10
Endosulfan I			Not detected	10
Endosulfan II			Not detected	10
Endosulfan sulfate			Not detected	10
Endrin			Not detected	10
Endrin aldehyde			Not detected	10
gamma-BHC (Lindane)			Not detected	10
Heptachlor			Not detected	10
Heptachlor epoxide			Not detected	10
Methoxychlor			Not detected	50
Toxaphene			Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0
1,1-Dichloroethane			Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0
1,2-Dibromoethane			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0
1,2-Dichloropropane			Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,3-Dichloropropane			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
1-Chlorohexane			Not detected	5.0
2,2-Dichloropropane			Not detected	5.0
2-Chlorotoluene			Not detected	5.0
4-Chlorotoluene			Not detected	5.0
Benzene			Not detected	5.0
Bromobenzene			Not detected	5.0

**YORK**

Client Sample ID			SB-15C	
York Sample ID			03110610-16	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Bromochloromethane			Not detected	5.0
Bromodichloromethane			Not detected	5.0
Bromoform			Not detected	5.0
Bromomethane			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroethane			Not detected	5.0
Chloroform			Not detected	5.0
Chloromethane			Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0
Dibromochloromethane			Not detected	5.0
Dibromomethane			Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0
Ethylbenzene			Not detected	5.0
Hexachlorobutadiene			Not detected	5.0
Isopropylbenzene			Not detected	5.0
Methylene chloride			Not detected	5.0
Naphthalene			7	5.0
n-Butylbenzene			Not detected	5.0
n-Propylbenzene			Not detected	5.0
o-Xylene			Not detected	5.0
p- & m-Xylenes			Not detected	5.0
p-Isopropyltoluene			8	5.0
sec-Butylbenzene			Not detected	5.0
Styrene			Not detected	5.0
tert-Butylbenzene			Not detected	5.0
Tetrachloroethylene			Not detected	5.0
Toluene			Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Trichlorofluoromethane			Not detected	5.0
Vinyl chloride			Not detected	5.0
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---
Acenaphthene			Not detected	330
Acenaphthylene			Not detected	330
Anthracene			64 J	330
Benzo[a]anthracene			99 J	330
Benzo[a]pyrene			80 J	330
Benzo[b]fluoranthene			52 J	330
Benzo[g,h,i]perylene			50 J	330
Benzo[k]fluoranthene			68 J	330
Chrysene			100 J	330
Dibenz[a,h]anthracene			Not detected	330
Fluoranthene			270 J	330
Fluorene			Not detected	330
Indeno[1,2,3-cd]pyrene			Not detected	330
Naphthalene			Not detected	330
Phenanthrene			210 J	330
Pyrene			250 J	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---
PCB 1016			Not detected	0.02

**YORK**



Client Sample ID			SB-15C	
York Sample ID			03110610-16	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
PCB 1221			Not detected	0.02
PCB 1232			Not detected	0.02
PCB 1242			Not detected	0.02
PCB 1248			Not detected	0.02
PCB 1254			Not detected	0.02
PCB 1260			Not detected	0.02
PCB, Total			Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---
Aluminum			4390	1.00
Antimony			Not detected	1.00
Arsenic			1.03	1.00
Barium			31.5	1.00
Beryllium			Not detected	0.500
Cadmium			Not detected	0.500
Calcium			1370	2.00
Chromium			11.3	0.500
Cobalt			6.28	1.00
Copper			18.4	1.00
Iron			19600	1.00
Lead			5.65	1.00
Magnesium			2030	2.00
Manganese			495	1.00
Nickel			8.23	1.00
Potassium			744	3.00
Selenium			4.54	1.00
Silver			Not detected	1.00
Sodium			305	5.00
Thallium			Not detected	1.00
Vanadium			20.0	2.00
Zinc			43.1	2.00
Mercury	SW846-7471	mg/kG	Not detected	0.10

Client Sample ID			EBS-11/20	
York Sample ID			03110610-17	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---
4,4'-DDD			Not detected	0.05
4,4'-DDE			Not detected	0.05
4,4'-DDT			Not detected	0.05
Aldrin			Not detected	0.05
alpha-BHC			Not detected	0.05
beta-BHC			Not detected	0.05
Chlordane			Not detected	0.2
delta-BHC			Not detected	0.05
Dieldrin			Not detected	0.05
Endosulfan I			Not detected	0.05
Endosulfan II			Not detected	0.05
Endosulfan sulfate			Not detected	0.05

**YORK**

<b>Client Sample ID</b>			<b>EBS-11/20</b>	
<b>York Sample ID</b>			<b>03110610-17</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Endrin			Not detected	0.05
Endrin aldehyde			Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05
Heptachlor			Not detected	0.05
Heptachlor epoxide			Not detected	0.05
Methoxychlor			Not detected	0.2
Toxaphene			Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1

**YORK**

<b>Client Sample ID</b>			<b>EBS-11/20</b>	
<b>York Sample ID</b>			<b>03110610-17</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Isopropylbenzene			Not detected	1
Methylene chloride			Not detected	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---
Acenaphthene			Not detected	10
Acenaphthylene			Not detected	10
Anthracene			Not detected	10
Benzo[a]anthracene			Not detected	10
Benzo[a]pyrene			Not detected	10
Benzo[b]fluoranthene			Not detected	10
Benzo[g,h,i]perylene			Not detected	10
Benzo[k]fluoranthene			Not detected	10
Chrysene			Not detected	10
Dibenz[a,h]anthracene			Not detected	10
Fluoranthene			Not detected	10
Fluorene			Not detected	10
Indeno[1,2,3-cd]pyrene			Not detected	10
Naphthalene			Not detected	10
Phenanthrene			Not detected	10
Pyrene			Not detected	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---
PCB 1016			Not detected	0.2
PCB 1221			Not detected	0.2
PCB 1232			Not detected	0.2
PCB 1242			Not detected	0.2
PCB 1248			Not detected	0.2
PCB 1254			Not detected	0.2
PCB 1260			Not detected	0.2
PCB, Total			Not detected	0.2
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---
Aluminum			26.9	5.0
Antimony			Not detected	5.0
Arsenic			Not detected	10.0
Barium			Not detected	10.0
Beryllium			Not detected	1.0
Cadmium			Not detected	3.0
Calcium			79.6	20.0

**YORK**

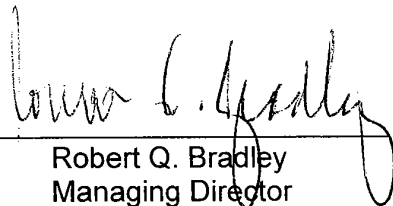
<b>Client Sample ID</b>			<b>EBS-11/20</b>	
<b>York Sample ID</b>			<b>03110610-17</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Chromium			Not detected	5.0
Cobalt			Not detected	5.0
Copper			Not detected	5.0
Iron			158	5.0
Lead			Not detected	3.0
Magnesium			28.1	10.0
Manganese			Not detected	5.0
Nickel			Not detected	5.0
Potassium			Not detected	30.0
Selenium			Not detected	10.0
Silver			Not detected	5.0
Sodium			Not detected	50.0
Thallium			Not detected	10.0
Vanadium			Not detected	10.0
Zinc			21.2	20.0
Mercury	SW846-7470	mg/L	Not detected	0.0002

**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. 03110610**

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.
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: 12/18/2003

**YORK**

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# YORK

ANALYTICAL LABORATORIES, INC.

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## Definitions for FLAGS used as a Results Suffix

Flags are sometimes used on results to indicate certain occurrences during the analysis process. The most common flags used by York are defined below.

### FLAG

### DEFINITION

- J** J indicates an estimated value. This flag applies to Tentatively Identified Compounds or, when requested, for a target compound whose result is less than the reporting limit but whose mass spectral data meet identification criteria. For example if the reporting limit is listed as 10 ppb and the analysis shows 3 ppb, the result can be reported as 3 J. The client must request the use of J flags for the laboratory to report such flags.
- B** B indicates that the analyte was also found in the associated batch method blank. This flag indicates possible/probable blank contamination and warns the data user to be aware. This mostly applies to the volatiles acetone and methylene chloride and the semi-volatiles bis-(2-ethylhexyl) phthalate and other phthalates.
- E** This flag is used to indicate that the reported concentration of an analyte exceeded the calibration range of the analytical system. In this case the result reported is treated as a minimum value. This often applies where clients request an additional analyte after sample analysis, such as acetone, where the initial analysis did not require dilution since acetone was not a target compound. This flag will also apply if after numerous dilutions a specific target compound would significantly dilute out all other targets.

# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

SD# 2 Soil  
 Compared for  
 11/19

09110610

<b>Company Name</b> EpiViroScience Consultants	<b>Report To:</b> A. Menegio	<b>Invoice To:</b> same	<b>Project ID/No.</b> DEP/soil Contained in SD# 2 from 11/19 57-1549th St, Manasota, Ny	<b>Samples Collected By (Signature)</b> <i>[Signature]</i>
				<b>Name (Printed)</b> Greg Menegio

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
1	SB-12A	11/20/03		X			802
2	SB-12B			X			
3	SB-11A			X			
4	SB-11B			X			
5	MW-5A			X			
6	MW-5B			X			
7	MW-13A			X			
8	SB-13B			X			3802 3402
9	SB-14A			X			2802
10	SB-14B	11/20/03		X			

<b>Chain-of-Custody Record</b>	<b>Sample Relinquished by</b> <i>[Signature]</i> Date/Time: 11/20/03 5:11	<b>Sample Received by</b> <i>[Signature]</i> Date/Time: 11/21 2:01
<b>Bottles Relinquished from Lab by</b> <i>[Signature]</i>	<b>Sample Relinquished by</b> <i>[Signature]</i> Date/Time: 11/20/03 1:58P	<b>Sample Received in LAB by</b> <i>[Signature]</i> Date/Time: 11/21 5:00P
<b>Bottles Received in Field by</b> <i>[Signature]</i>	<b>Sample Relinquished by</b> <i>[Signature]</i> Date/Time: 11/20/03 5:11	<b>Sample Received in LAB by</b> <i>[Signature]</i> Date/Time: 11/21 5:00P
<b>Comments/Special Instructions</b> nys DEC CAT B deliverables	<b>Turn-Around Time</b> Standard RUSH(define)	

# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

02110610

<b>Company Name</b> Environmental Consultants	<b>Report To:</b> G. Menegio	<b>Invoice To:</b> Same	<b>Project ID/No.</b> DEP/Soil SDG-2 Contained from 11/20 57-15 49th St, Maspeth, NY	<b>Samples Collected By (Signature)</b> <i>[Signature]</i>
				<b>Name (Printed)</b> Greg Menegio

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
11	SB-15A	11/20/03		X			R 802 I 402
12	SB-15B		X				
13	SB-16A		X				
14	SB-16B		X				
15	MW-6B		X				
16	SB-15C		X				
17	EBS-11/20	11/20/03			X		2 402L/AE1 4 10/voice 1 252-1L/HWES
	END SDG-2-SOIL						

<b>Chain-of-Custody Record</b>	<b>Sample Relinquished by</b> <i>[Signature]</i>	<b>Date/Time</b> 11/20/03 5A	<b>Sample Relinquished by</b> <i>[Signature]</i>	<b>Date/Time</b> 11/21/03 1:58P	<b>Sample Received by</b> <i>[Signature]</i>	<b>Date/Time</b> 11/21/2003
<b>Bottles Relinquished from Lab by</b> <i>[Signature]</i>	<b>Date/Time</b> 11/20/03 5A	<b>Sample Relinquished by</b> <i>[Signature]</i>	<b>Date/Time</b> 11/21/03 1:58P	<b>Sample Received in Lab by</b> <i>[Signature]</i>	<b>Date/Time</b> 11/21/2003	
<b>Bottles Received in Field by</b> <i>[Signature]</i>	<b>Date/Time</b> 11/20/03 5A	<b>Sample Relinquished by</b> M/S/DEP CAT B DELIVERABLE	<b>Date/Time</b> 11/21/03 1:58P	<b>Standard</b> <input checked="" type="checkbox"/> Standard	<b>RUSH(define)</b>	

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**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Report Date: 12/29/2003  
**Re: Client Project ID: DEP/Maspeth/Soil Gas**  
York Project No.: 03120636

CT License No. PH-0723    New York License No. 10854    Mass. License No. M-CT106    Rhode Island License No. 93    NJ License No. CT401



ONE RESEARCH DRIVE    STAMFORD, CT 06906    (203) 325-1371    FAX (203) 357-0166

Page 1 of 12

NC-NYCDEP-00000572



Report Date: 12/29/2003  
 Client Project ID: DEP/Maspeth/Soil Gas  
 York Project No.: 03120636

**Enviroscience Consultants, Inc.**  
 33 Flying Point Road  
 Suite 208  
 Southhampton, NY 11968  
 Attention: Greg Menegio

## 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 12/19/03. The project was identified as your project "DEP/Maspeth/Soil Gas".

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			SG-1		SG-2	
York Sample ID			03120636-01		03120636-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles(TO-14 list)</b>	EPA TO14	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1,2,2-tetrachloroethane			Not detected	1.0	Not detected	1.0
1,1,2-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethylene			Not detected	1.0	Not detected	1.0
1,2,4-Trichlorobenzene			Not detected	1.0	Not detected	1.0
1,2,4-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,2-Dibromoethane			Not detected	1.0	Not detected	1.0
1,2-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,2-Dichloroethane			Not detected	1.0	Not detected	1.0
1,2-Dichloropropane			Not detected	1.0	Not detected	1.0
1,2-Dichlorotetrafluoroethane			Not detected	1.0	Not detected	1.0
1,3,5-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,3-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,4-Dichlorobenzene			Not detected	1.0	Not detected	1.0
3-Chloropropene			Not detected	1.0	Not detected	1.0

**YORK**

Client Sample ID			SG-1		SG-2	
York Sample ID			03120636-01		03120636-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
4-Ethyltoluene			Not detected	1.0	Not detected	1.0
Benzene			Not detected	1.0	Not detected	1.0
Benzyl Chloride			Not detected	1.0	Not detected	1.0
Bromomethane			Not detected	1.0	Not detected	1.0
Carbon Tetrachloride			Not detected	1.0	Not detected	1.0
Chlorobenzene			Not detected	1.0	Not detected	1.0
Chloroethane			Not detected	1.0	Not detected	1.0
Chloroform			Not detected	1.0	Not detected	1.0
Chloromethane			Not detected	1.0	Not detected	1.0
cis-1,2-Dichloroethylene			Not detected	1.0	Not detected	1.0
cis-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Dichlorodifluoromethane			Not detected	1.0	Not detected	1.0
Ethylbenzene			Not detected	1.0	Not detected	1.0
Freon-113			Not detected	1.0	Not detected	1.0
Hexachloro-1,3-Butadiene			Not detected	1.0	Not detected	1.0
Methylene Chloride			12 B	1.0	15 B	1.0
o-Xylene			Not detected	1.0	Not detected	1.0
p- & m-Xylenes			Not detected	1.0	Not detected	1.0
Styrene			Not detected	1.0	Not detected	1.0
Tetrachloroethylene			Not detected	1.0	Not detected	1.0
Toluene			3.3	1.0	1.9	1.0
trans-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Trichloroethylene			Not detected	1.0	Not detected	1.0
Trichlorofluoromethane			Not detected	1.0	Not detected	1.0
Vinyl Chloride			Not detected	1.0	Not detected	1.0

Client Sample ID			SG-3		SG-4	
York Sample ID			03120636-03		03120636-04	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles(TO-14 list)</b>	EPA TO14	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1,2,2-tetrachloroethane			Not detected	1.0	Not detected	1.0
1,1,2-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethylene			Not detected	1.0	Not detected	1.0
1,2,4-Trichlorobenzene			Not detected	1.0	Not detected	1.0
1,2,4-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,2-Dibromoethane			Not detected	1.0	Not detected	1.0
1,2-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,2-Dichloroethane			Not detected	1.0	Not detected	1.0
1,2-Dichloropropane			Not detected	1.0	Not detected	1.0
1,2-Dichlorotetrafluoroethane			Not detected	1.0	Not detected	1.0
1,3,5-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,3-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,4-Dichlorobenzene			Not detected	1.0	Not detected	1.0
3-Chloropropene			Not detected	1.0	Not detected	1.0
4-Ethyltoluene			Not detected	1.0	Not detected	1.0
Benzene			Not detected	1.0	Not detected	1.0

**YORK**

Client Sample ID			SG-3		SG-4	
York Sample ID			03120636-03		03120636-04	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzyl Chloride			Not detected	1.0	Not detected	1.0
Bromomethane			Not detected	1.0	Not detected	1.0
Carbon Tetrachloride			Not detected	1.0	Not detected	1.0
Chlorobenzene			Not detected	1.0	Not detected	1.0
Chloroethane			Not detected	1.0	Not detected	1.0
Chloroform			Not detected	1.0	Not detected	1.0
Chloromethane			Not detected	1.0	Not detected	1.0
cis-1,2-Dichloroethylene			Not detected	1.0	Not detected	1.0
cis-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Dichlorodifluoromethane			Not detected	1.0	Not detected	1.0
Ethylbenzene			Not detected	1.0	Not detected	1.0
Freon-113			Not detected	1.0	Not detected	1.0
Hexachloro-1,3-Butadiene			Not detected	1.0	Not detected	1.0
Methylene Chloride			9.9 B	1.0	11 B	1.0
o-Xylene			Not detected	1.0	Not detected	1.0
p- & m-Xylenes			Not detected	1.0	Not detected	1.0
Styrene			Not detected	1.0	Not detected	1.0
Tetrachloroethylene			Not detected	1.0	Not detected	1.0
Toluene			3.5	1.0	3.3	1.0
trans-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Trichloroethylene			Not detected	1.0	Not detected	1.0
Trichlorofluoromethane			Not detected	1.0	Not detected	1.0
Vinyl Chloride			Not detected	1.0	Not detected	1.0

Client Sample ID			SG-5		SG-6	
York Sample ID			03120636-05		03120636-06	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles(TO-14 list)</b>	EPA TO14	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1,2,2-tetrachloroethane			Not detected	1.0	Not detected	1.0
1,1,2-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethylene			Not detected	1.0	Not detected	1.0
1,2,4-Trichlorobenzene			Not detected	1.0	Not detected	1.0
1,2,4-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,2-Dibromoethane			Not detected	1.0	Not detected	1.0
1,2-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,2-Dichloroethane			Not detected	1.0	Not detected	1.0
1,2-Dichloropropane			Not detected	1.0	Not detected	1.0
1,2-Dichlorotetrafluoroethane			Not detected	1.0	Not detected	1.0
1,3,5-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,3-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,4-Dichlorobenzene			Not detected	1.0	Not detected	1.0
3-Chloropropene			Not detected	1.0	Not detected	1.0
4-Ethyltoluene			Not detected	1.0	Not detected	1.0
Benzene			Not detected	1.0	Not detected	1.0
Benzyl Chloride			Not detected	1.0	Not detected	1.0
Bromomethane			Not detected	1.0	Not detected	1.0

**YORK**

Client Sample ID			SG-5		SG-6	
York Sample ID			03120636-05		03120636-06	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Carbon Tetrachloride			Not detected	1.0	Not detected	1.0
Chlorobenzene			Not detected	1.0	Not detected	1.0
Chloroethane			Not detected	1.0	Not detected	1.0
Chloroform			Not detected	1.0	Not detected	1.0
Chloromethane			Not detected	1.0	Not detected	1.0
cis-1,2-Dichloroethylene			Not detected	1.0	Not detected	1.0
cis-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Dichlorodifluoromethane			Not detected	1.0	Not detected	1.0
Ethylbenzene			Not detected	1.0	Not detected	1.0
Freon-113			Not detected	1.0	Not detected	1.0
Hexachloro-1,3-Butadiene			Not detected	1.0	Not detected	1.0
Methylene Chloride			5.2 B	1.0	11 B	1.0
o-Xylene			Not detected	1.0	Not detected	1.0
p- & m-Xylenes			Not detected	1.0	Not detected	1.0
Styrene			Not detected	1.0	Not detected	1.0
Tetrachloroethylene			Not detected	1.0	Not detected	1.0
Toluene			1.8	1.0	3.1	1.0
trans-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Trichloroethylene			Not detected	1.0	Not detected	1.0
Trichlorofluoromethane			Not detected	1.0	Not detected	1.0
Vinyl Chloride			Not detected	1.0	Not detected	1.0

Client Sample ID			SG-7		SG-8	
York Sample ID			03120636-07		03120636-08	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles(TO-14 list)</b>	EPA TO14	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1,2,2-tetrachloroethane			Not detected	1.0	Not detected	1.0
1,1,2-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethylene			Not detected	1.0	Not detected	1.0
1,2,4-Trichlorobenzene			Not detected	1.0	Not detected	1.0
1,2,4-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,2-Dibromoethane			Not detected	1.0	Not detected	1.0
1,2-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,2-Dichloroethane			Not detected	1.0	Not detected	1.0
1,2-Dichloropropane			Not detected	1.0	Not detected	1.0
1,2-Dichlorotetrafluoroethane			Not detected	1.0	Not detected	1.0
1,3,5-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,3-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,4-Dichlorobenzene			Not detected	1.0	Not detected	1.0
3-Chloropropene			Not detected	1.0	Not detected	1.0
4-Ethyltoluene			Not detected	1.0	Not detected	1.0
Benzene			Not detected	1.0	Not detected	1.0
Benzyl Chloride			Not detected	1.0	Not detected	1.0
Bromomethane			Not detected	1.0	Not detected	1.0
Carbon Tetrachloride			Not detected	1.0	Not detected	1.0
Chlorobenzene			Not detected	1.0	Not detected	1.0

**YORK**

Client Sample ID			SG-7		SG-8	
York Sample ID			03120636-07		03120636-08	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Chloroethane			Not detected	1.0	Not detected	1.0
Chloroform			Not detected	1.0	Not detected	1.0
Chloromethane			Not detected	1.0	Not detected	1.0
cis-1,2-Dichloroethylene			Not detected	1.0	Not detected	1.0
cis-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Dichlorodifluoromethane			Not detected	1.0	Not detected	1.0
Ethylbenzene			Not detected	1.0	Not detected	1.0
Freon-113			Not detected	1.0	Not detected	1.0
Hexachloro-1,3-Butadiene			Not detected	1.0	Not detected	1.0
Methylene Chloride			13 B	1.0	5.0 B	1.0
o-Xylene			Not detected	1.0	Not detected	1.0
p- & m-Xylenes			Not detected	1.0	Not detected	1.0
Styrene			Not detected	1.0	Not detected	1.0
Tetrachloroethylene			Not detected	1.0	Not detected	1.0
Toluene			2.2	1.0	2.4	1.0
trans-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Trichloroethylene			Not detected	1.0	Not detected	1.0
Trichlorofluoromethane			Not detected	1.0	Not detected	1.0
Vinyl Chloride			Not detected	1.0	Not detected	1.0

Client Sample ID			SG-9		SG-10	
York Sample ID			03120636-09		03120636-10	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles(TO-14 list)	EPA TO14	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1,2,2-tetrachloroethane			Not detected	1.0	Not detected	1.0
1,1,2-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethylene			Not detected	1.0	Not detected	1.0
1,2,4-Trichlorobenzene			Not detected	1.0	Not detected	1.0
1,2,4-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,2-Dibromoethane			Not detected	1.0	Not detected	1.0
1,2-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,2-Dichloroethane			Not detected	1.0	Not detected	1.0
1,2-Dichloropropane			Not detected	1.0	Not detected	1.0
1,2-Dichlorotetrafluoroethane			Not detected	1.0	Not detected	1.0
1,3,5-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,3-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,4-Dichlorobenzene			Not detected	1.0	Not detected	1.0
3-Chloropropene			Not detected	1.0	Not detected	1.0
4-Ethyltoluene			Not detected	1.0	Not detected	1.0
Benzene			Not detected	1.0	Not detected	1.0
Benzyl Chloride			Not detected	1.0	Not detected	1.0
Bromomethane			Not detected	1.0	Not detected	1.0
Carbon Tetrachloride			Not detected	1.0	Not detected	1.0
Chlorobenzene			Not detected	1.0	Not detected	1.0
Chloroethane			Not detected	1.0	Not detected	1.0
Chloroform			Not detected	1.0	Not detected	1.0

**YORK**

Client Sample ID			SG-9		SG-10	
York Sample ID			03120636-09		03120636-10	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Chloromethane			Not detected	1.0	Not detected	1.0
cis-1,2-Dichloroethylene			Not detected	1.0	Not detected	1.0
cis-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Dichlorodifluoromethane			Not detected	1.0	Not detected	1.0
Ethylbenzene			Not detected	1.0	Not detected	1.0
Freon-113			Not detected	1.0	Not detected	1.0
Hexachloro-1,3-Butadiene			Not detected	1.0	Not detected	1.0
Methylene Chloride			14 B	1.0	11 B	1.0
o-Xylene			Not detected	1.0	Not detected	1.0
p- & m-Xylenes			Not detected	1.0	Not detected	1.0
Styrene			Not detected	1.0	Not detected	1.0
Tetrachloroethylene			Not detected	1.0	1.6	1.0
Toluene			3.3	1.0	2.7	1.0
trans-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Trichloroethylene			Not detected	1.0	Not detected	1.0
Trichlorofluoromethane			Not detected	1.0	Not detected	1.0
Vinyl Chloride			Not detected	1.0	Not detected	1.0

Client Sample ID			SG-11		SG-12	
York Sample ID			03120636-11		03120636-12	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles(TO-14 list)</b>	EPA TO14	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1,2,2-tetrachloroethane			Not detected	1.0	Not detected	1.0
1,1,2-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethylene			Not detected	1.0	Not detected	1.0
1,2,4-Trichlorobenzene			Not detected	1.0	Not detected	1.0
1,2,4-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,2-Dibromoethane			Not detected	1.0	Not detected	1.0
1,2-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,2-Dichloroethane			Not detected	1.0	Not detected	1.0
1,2-Dichloropropane			Not detected	1.0	Not detected	1.0
1,2-Dichlorotetrafluoroethane			Not detected	1.0	Not detected	1.0
1,3,5-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,3-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,4-Dichlorobenzene			Not detected	1.0	Not detected	1.0
3-Chloropropene			Not detected	1.0	Not detected	1.0
4-Ethyltoluene			Not detected	1.0	Not detected	1.0
Benzene			Not detected	1.0	Not detected	1.0
Benzyl Chloride			Not detected	1.0	Not detected	1.0
Bromomethane			Not detected	1.0	Not detected	1.0
Carbon Tetrachloride			Not detected	1.0	Not detected	1.0
Chlorobenzene			Not detected	1.0	Not detected	1.0
Chloroethane			Not detected	1.0	Not detected	1.0
Chloroform			Not detected	1.0	Not detected	1.0
Chloromethane			Not detected	1.0	Not detected	1.0
cis-1,2-Dichloroethylene			Not detected	1.0	Not detected	1.0

**YORK**

Client Sample ID			SG-11		SG-12	
York Sample ID			03120636-11		03120636-12	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
cis-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Dichlorodifluoromethane			Not detected	1.0	Not detected	1.0
Ethylbenzene			Not detected	1.0	Not detected	1.0
Freon-113			Not detected	1.0	Not detected	1.0
Hexachloro-1,3-Butadiene			Not detected	1.0	Not detected	1.0
Methylene Chloride			7.4 B	1.0	6.2 B	1.0
o-Xylene			Not detected	1.0	Not detected	1.0
p- & m-Xylenes			Not detected	1.0	Not detected	1.0
Styrene			Not detected	1.0	Not detected	1.0
Tetrachloroethylene			1.5	1.0	Not detected	1.0
Toluene			2.4	1.0	2.6	1.0
trans-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Trichloroethylene			Not detected	1.0	Not detected	1.0
Trichlorofluoromethane			Not detected	1.0	Not detected	1.0
Vinyl Chloride			Not detected	1.0	Not detected	1.0

Client Sample ID			SG-13		SG-14	
York Sample ID			03120636-13		03120636-14	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles(TO-14 list)	EPA TO14	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1,2,2-tetrachloroethane			Not detected	1.0	Not detected	1.0
1,1,2-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethylene			Not detected	1.0	Not detected	1.0
1,2,4-Trichlorobenzene			Not detected	1.0	Not detected	1.0
1,2,4-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,2-Dibromoethane			Not detected	1.0	Not detected	1.0
1,2-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,2-Dichloroethane			Not detected	1.0	Not detected	1.0
1,2-Dichloropropane			Not detected	1.0	Not detected	1.0
1,2-Dichlorotetrafluoroethane			Not detected	1.0	Not detected	1.0
1,3,5-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,3-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,4-Dichlorobenzene			Not detected	1.0	Not detected	1.0
3-Chloropropene			Not detected	1.0	Not detected	1.0
4-Ethyltoluene			Not detected	1.0	Not detected	1.0
Benzene			Not detected	1.0	Not detected	1.0
Benzyl Chloride			Not detected	1.0	Not detected	1.0
Bromomethane			Not detected	1.0	Not detected	1.0
Carbon Tetrachloride			Not detected	1.0	Not detected	1.0
Chlorobenzene			Not detected	1.0	Not detected	1.0
Chloroethane			Not detected	1.0	Not detected	1.0
Chloroform			Not detected	1.0	Not detected	1.0
Chloromethane			Not detected	1.0	Not detected	1.0
cis-1,2-Dichloroethylene			Not detected	1.0	Not detected	1.0
cis-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Dichlorodifluoromethane			Not detected	1.0	Not detected	1.0

**YORK**

Client Sample ID			SG-13		SG-14	
York Sample ID			03120636-13		03120636-14	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Ethylbenzene			Not detected	1.0	Not detected	1.0
Freon-113			Not detected	1.0	Not detected	1.0
Hexachloro-1,3-Butadiene			Not detected	1.0	Not detected	1.0
Methylene Chloride			5.8 B	1.0	6.8 B	1.0
o-Xylene			Not detected	1.0	Not detected	1.0
p- & m-Xylenes			Not detected	1.0	Not detected	1.0
Styrene			Not detected	1.0	Not detected	1.0
Tetrachloroethylene			Not detected	1.0	Not detected	1.0
Toluene			2.9	1.0	2.4	1.0
trans-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Trichloroethylene			Not detected	1.0	Not detected	1.0
Trichlorofluoromethane			Not detected	1.0	Not detected	1.0
Vinyl Chloride			Not detected	1.0	Not detected	1.0

Client Sample ID			SG-15		SG-16	
York Sample ID			03120636-15		03120636-16	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles(TO-14 list)</b>	EPA TO14	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1,2,2-tetrachloroethane			Not detected	1.0	Not detected	1.0
1,1,2-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethylene			Not detected	1.0	Not detected	1.0
1,2,4-Trichlorobenzene			Not detected	1.0	Not detected	1.0
1,2,4-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,2-Dibromoethane			Not detected	1.0	Not detected	1.0
1,2-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,2-Dichloroethane			Not detected	1.0	Not detected	1.0
1,2-Dichloropropane			Not detected	1.0	Not detected	1.0
1,2-Dichlorotetrafluoroethane			Not detected	1.0	Not detected	1.0
1,3,5-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,3-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,4-Dichlorobenzene			Not detected	1.0	Not detected	1.0
3-Chloropropene			Not detected	1.0	Not detected	1.0
4-Ethyltoluene			Not detected	1.0	Not detected	1.0
Benzene			Not detected	1.0	Not detected	1.0
Benzyl Chloride			Not detected	1.0	Not detected	1.0
Bromomethane			Not detected	1.0	Not detected	1.0
Carbon Tetrachloride			Not detected	1.0	Not detected	1.0
Chlorobenzene			Not detected	1.0	Not detected	1.0
Chloroethane			Not detected	1.0	Not detected	1.0
Chloroform			Not detected	1.0	Not detected	1.0
Chloromethane			Not detected	1.0	Not detected	1.0
cis-1,2-Dichloroethylene			Not detected	1.0	Not detected	1.0
cis-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Dichlorodifluoromethane			Not detected	1.0	1.8	1.0
Ethylbenzene			Not detected	1.0	Not detected	1.0
Freon-113			Not detected	1.0	Not detected	1.0

**YORK**



Client Sample ID			SG-15		SG-16	
York Sample ID			03120636-15		03120636-16	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Hexachloro-1,3-Butadiene			Not detected	1.0	Not detected	1.0
Methylene Chloride			8.3 B	1.0	7.5 B	1.0
o-Xylene			Not detected	1.0	Not detected	1.0
p- & m-Xylenes			Not detected	1.0	Not detected	1.0
Styrene			Not detected	1.0	Not detected	1.0
Tetrachloroethylene			Not detected	1.0	Not detected	1.0
Toluene			4.1	1.0	2.2	1.0
trans-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Trichloroethylene			Not detected	1.0	Not detected	1.0
Trichlorofluoromethane			Not detected	1.0	3.1	1.0
Vinyl Chloride			Not detected	1.0	Not detected	1.0

Client Sample ID			SG-17		SG-18	
York Sample ID			03120636-17		03120636-18	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles(TO-14 list)	EPA TO14	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1,2,2-tetrachloroethane			Not detected	1.0	Not detected	1.0
1,1,2-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethylene			Not detected	1.0	Not detected	1.0
1,2,4-Trichlorobenzene			Not detected	1.0	Not detected	1.0
1,2,4-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,2-Dibromoethane			Not detected	1.0	Not detected	1.0
1,2-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,2-Dichloroethane			Not detected	1.0	Not detected	1.0
1,2-Dichloropropane			Not detected	1.0	Not detected	1.0
1,2-Dichlorotetrafluoroethane			Not detected	1.0	Not detected	1.0
1,3,5-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,3-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,4-Dichlorobenzene			Not detected	1.0	Not detected	1.0
3-Chloropropene			Not detected	1.0	Not detected	1.0
4-Ethyltoluene			Not detected	1.0	Not detected	1.0
Benzene			Not detected	1.0	Not detected	1.0
Benzyl Chloride			Not detected	1.0	Not detected	1.0
Bromomethane			Not detected	1.0	Not detected	1.0
Carbon Tetrachloride			Not detected	1.0	Not detected	1.0
Chlorobenzene			Not detected	1.0	Not detected	1.0
Chloroethane			Not detected	1.0	Not detected	1.0
Chloroform			Not detected	1.0	Not detected	1.0
Chloromethane			Not detected	1.0	Not detected	1.0
cis-1,2-Dichloroethylene			Not detected	1.0	Not detected	1.0
cis-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Dichlorodifluoromethane			Not detected	1.0	Not detected	1.0
Ethylbenzene			Not detected	1.0	Not detected	1.0
Freon-113			Not detected	1.0	Not detected	1.0
Hexachloro-1,3-Butadiene			Not detected	1.0	Not detected	1.0
Methylene Chloride			5.7 B	1.0	6.4 B	1.0

**YORK**

Client Sample ID			SG-17		SG-18	
York Sample ID			03120636-17		03120636-18	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
o-Xylene			Not detected	1.0	Not detected	1.0
p- & m-Xylenes			Not detected	1.0	Not detected	1.0
Styrene			Not detected	1.0	Not detected	1.0
Tetrachloroethylene			Not detected	1.0	Not detected	1.0
Toluene			2.7	1.0	2.7	1.0
trans-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Trichloroethylene			Not detected	1.0	Not detected	1.0
Trichlorofluoromethane			Not detected	1.0	Not detected	1.0
Vinyl Chloride			Not detected	1.0	Not detected	1.0

Client Sample ID			SG-19		SG-20	
York Sample ID			03120636-19		03120636-20	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles(TO-14 list)	EPA TO14	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	0.89	Not detected	0.87
1,1,2,2-tetrachloroethane			Not detected	0.89	Not detected	0.87
1,1,2-Trichloroethane			Not detected	0.89	Not detected	0.87
1,1-Dichloroethane			Not detected	0.89	Not detected	0.87
1,1-Dichloroethylene			Not detected	0.89	Not detected	0.87
1,2,4-Trichlorobenzene			Not detected	0.89	Not detected	0.87
1,2,4-Trimethylbenzene			Not detected	0.89	26	0.87
1,2-Dibromoethane			Not detected	0.89	Not detected	0.87
1,2-Dichlorobenzene			Not detected	0.89	Not detected	0.87
1,2-Dichloroethane			Not detected	0.89	Not detected	0.87
1,2-Dichloropropane			Not detected	0.89	Not detected	0.87
1,2-Dichlorotetrafluoroethane			Not detected	0.89	Not detected	0.87
1,3,5-Trimethylbenzene			Not detected	0.89	4.9	0.87
1,3-Dichlorobenzene			Not detected	0.89	Not detected	0.87
1,4-Dichlorobenzene			Not detected	0.89	Not detected	0.87
3-Chloropropene			Not detected	0.89	Not detected	0.87
4-Ethyltoluene			Not detected	0.89	Not detected	0.87
Benzene			Not detected	0.89	Not detected	0.87
Benzyl Chloride			Not detected	0.89	Not detected	0.87
Bromomethane			Not detected	0.89	Not detected	0.87
Carbon Tetrachloride			Not detected	0.89	Not detected	0.87
Chlorobenzene			Not detected	0.89	Not detected	0.87
Chloroethane			Not detected	0.89	Not detected	0.87
Chloroform			Not detected	0.89	Not detected	0.87
Chloromethane			Not detected	0.89	Not detected	0.87
cis-1,2-Dichloroethylene			Not detected	0.89	Not detected	0.87
cis-1,3-Dichloropropylene			Not detected	0.89	Not detected	0.87
Dichlorodifluoromethane			Not detected	0.89	Not detected	0.87
Ethylbenzene			Not detected	0.89	9.3	0.87
Freon-113			Not detected	0.89	Not detected	0.87
Hexachloro-1,3-Butadiene			Not detected	0.89	Not detected	0.87
Methylene Chloride			2.9 B	0.89	2.9 B	0.87
o-Xylene			Not detected	0.89	4.0	0.87
p- & m-Xylenes			Not detected	0.89	16	0.87

**YORK**

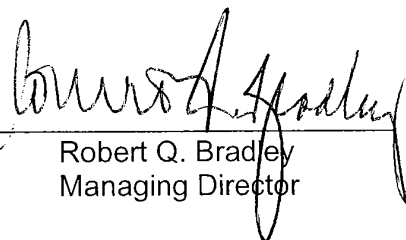
Client Sample ID			SG-19		SG-20	
York Sample ID			03120636-19		03120636-20	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Styrene			Not detected	0.89	Not detected	0.87
Tetrachloroethylene			Not detected	0.89	Not detected	0.87
Toluene			1.8	0.89	1.9	0.87
trans-1,3-Dichloropropylene			Not detected	0.89	Not detected	0.87
Trichloroethylene			Not detected	0.89	Not detected	0.87
Trichlorofluoromethane			Not detected	0.89	Not detected	0.87
Vinyl Chloride			Not detected	0.89	Not detected	0.87

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. 03120636

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.
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: 12/29/2003

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.

ONE RESEARCH DRIVE  
STAMFORD, CT 06906  
(203) 325-1371 FAX (203) 357-0166

# Field Chain-of-Custody Record

03720036

<b>Company Name</b> Environcience Consultants	<b>Report To:</b> G. Mengio	<b>Invoice To:</b> Same	<b>Project ID/No.:</b> DEP/MRS/ptk/Soil Gas	<b>Samples Collected By (Signature):</b> <i>G. Mengio</i>
			<b>Name (Printed):</b> G. Mengio	

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)	
			Water	Soil	Air			OTHER
1	SB-1	12/19/03			X	VOCs by Method TO-14	TEDLAR BAG	
2	SB-2	[Large handwritten arrow pointing from row 1 to row 10]			X			
3	SB-3				X			
4	SB-4				X			
5	SB-5				X			
6	SB-6				X			
7	SB-7				X			
8	SB-8				X			
9	SB-9				X			
10	SB-10		12/19/03			X	VOCs by Method TO-14	TEDLAR BAG

<b>Chain-of-Custody Record</b>	
Bottles Relinquished from Lab by <i>G. Mengio</i>	Bottles Received in Field by <i>G. Mengio</i>
Date/Time 12/19/03 0800	Date/Time 12/19/03 1310
Sample Relinquished by <i>G. Mengio</i>	Sample Received by <i>Stacy Murphy</i>
Date/Time 12/19/03 0800	Date/Time 12/19/03 1310
<b>Comments/Special Instructions</b>	
Sample Received in LAB by _____ Date/Time _____ Turn-Around Time _____ Standard _____ RUSH(define) _____	

# YORK

ANALYTICAL LABORATORIES, INC.

ONE RESEARCH DRIVE  
STAMFORD, CT 06906

(203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

*EnviroScience Consultants*

Company Name: EnviroScience Consultants Report To: \_\_\_\_\_ Invoice To: \_\_\_\_\_ Project ID/No.: DEP / Maspedu / Soil Gas

Samples Collected By (Signature): [Signature] Name (Printed): \_\_\_\_\_

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
11	SG-11	12/19/03		X		VOCs by Method To-14	Tedlar Bag
12	SG-12	↓		X			↓
13	SG-13			X			
14	SG-14			X			
15	SG-15			X			
16	SG-16			X			
17	SG-17			X			
18	SG-18			X			
19	SG-19		X			Summa	
20	SG-20	12/19/03		X		VOCs by Method To-14	Summa

**Chain-of-Custody Record**

Bottles Relinquished from Lab by: [Signature] Date/Time: 12/19/03 1310

Bottles Received in Field by: [Signature] Date/Time: 12/19/03 1310

Sample Relinquished by: [Signature] Date/Time: 12/19/03 1310

Sample Received by: [Signature] Date/Time: 12/19/03 1310

Sample Received in LAB by: [Signature] Date/Time: \_\_\_\_\_

Comments/Special Instructions: Standard RUSH(define) \_\_\_\_\_

---

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Report Date: 12/15/2003  
**Re: Client Project ID: DEP/Soil SDG #3/Maspeth, NY**  
York Project No.: 03110748

CT License No. PH-0723    New York License No. 10854    Mass. License No. M-CT106    Rhode Island License No. 93    NJ License No. CT401



ONE RESEARCH DRIVE    STAMFORD, CT 06906    (203) 325-1371    FAX (203) 357-0166  
Page 1 of 5

NC-NYCDEP-00000586

Report Date: 12/15/2003  
 Client Project ID: DEP/Soil SDG #3/Maspeth, NY  
 York Project No.: 03110748

**Enviroscience Consultants, Inc.**  
 33 Flying Point Road  
 Suite 208  
 Southampton, NY 11968  
 Attention: Greg Menegio

**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 11/26/03. The project was identified as your project "DEP/Soil SDG #3/Maspeth, NY."

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

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

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

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

**Analysis Results**

Client Sample ID			SB-9A		SB-9B	
York Sample ID			03110748-01		03110748-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides 8080 List soil	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	10	Not detected	10
4,4'-DDE			Not detected	10	Not detected	10
4,4'-DDT			Not detected	10	Not detected	10
Aldrin			Not detected	10	Not detected	10
alpha-BHC			Not detected	10	Not detected	10
beta-BHC			Not detected	10	Not detected	10
Chlordane			124	50	Not detected	50
delta-BHC			Not detected	10	Not detected	10
Dieldrin			Not detected	10	Not detected	10
Endosulfan I			Not detected	10	Not detected	10
Endosulfan II			Not detected	10	Not detected	10
Endosulfan sulfate			Not detected	10	Not detected	10
Endrin			Not detected	10	Not detected	10
Endrin aldehyde			Not detected	10	Not detected	10
gamma-BHC (Lindane)			Not detected	10	Not detected	10
Heptachlor			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-9A		SB-9B	
York Sample ID			03110748-01		03110748-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Heptachlor epoxide			Not detected	10	Not detected	10
Methoxychlor			Not detected	50	Not detected	50
Toxaphene			Not detected	500	Not detected	500
<b>Volatiles-8260 list</b>	SW846-8260	ug/Kg	---	---	---	---
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
1,2,3-Trimethylbenzene			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-Dichloroethylene (Total)			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
1-Chlorohexane			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-1,3-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
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0

**YORK**



Client Sample ID			SB-9A		SB-9B	
York Sample ID			03110748-01		03110748-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			Not detected	330	Not detected	330
Acenaphthylene			Not detected	330	Not detected	330
Anthracene			Not detected	330	Not detected	330
Benzo[a]anthracene			480	330	Not detected	330
Benzo[a]pyrene			390	330	Not detected	330
Benzo[b]fluoranthene			510	330	Not detected	330
Benzo[g,h,i]perylene			Not detected	330	Not detected	330
Benzo[k]fluoranthene			680	330	Not detected	330
Chrysene			530	330	Not detected	330
Dibenz[a,h]anthracene			Not detected	330	Not detected	330
Fluoranthene			910	330	Not detected	330
Fluorene			Not detected	330	Not detected	330
Indeno[1,2,3-cd]pyrene			Not detected	330	Not detected	330
Naphthalene			Not detected	330	Not detected	330
Phenanthrene			870	330	Not detected	330
Pyrene			770	330	Not detected	330
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02
PCB 1242			Not detected	0.02	Not detected	0.02
PCB 1248			Not detected	0.02	Not detected	0.02
PCB 1254			0.64	0.02	Not detected	0.02
PCB 1260			0.14	0.02	Not detected	0.02
PCB, Total			0.78	0.02	Not detected	0.02
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	mg/kg	---	---	---	---
Aluminum			8360	1.00	2360	1.00
Antimony			Not detected	1.00	Not detected	1.00
Arsenic			34.1	1.00	Not detected	1.00
Barium			159	1.00	25.4	1.00
Beryllium			Not detected	0.500	Not detected	0.500
Cadmium			0.85	0.500	Not detected	0.500
Calcium			3910	2.00	4510	2.00
Chromium			21.7	0.500	5.41	0.500
Cobalt			9.77	1.00	3.40	1.00
Copper			200	1.00	13.6	1.00
Iron			17800	1.00	6010	1.00

**YORK**

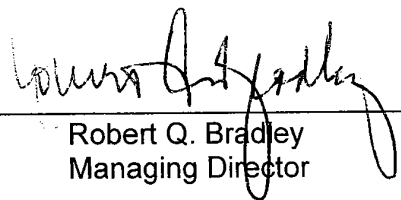
Client Sample ID			SB-9A		SB-9B	
York Sample ID			03110748-01		03110748-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Lead			431	1.00	3.99	1.00
Magnesium			1900	2.00	2400	2.00
Manganese			328	1.00	171	1.00
Nickel			14.6	1.00	4.97	1.00
Potassium			655	3.00	617	3.00
Selenium			13.6	1.00	2.18	1.00
Silver			Not detected	1.00	Not detected	1.00
Sodium			1830	5.00	345	5.00
Thallium			Not detected	1.00	Not detected	1.00
Vanadium			18.8	2.00	7.96	2.00
Zinc			728	2.00	20.6	2.00
Mercury	SW846-7471	mg/kg	1.44	0.10	0.11	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. 03110748**

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.
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: 12/15/2003

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

09110748

<b>Company Name</b> Envirosience Conscience	<b>Report To:</b> Greg Menegio	<b>Invoice To:</b> Same	<b>Project ID/No.</b> NEP/Soil ERG #3 575 99th St, Marsh, NY	<b>Samples Collected By (Signature)</b> <i>Greg Menegio</i>	<b>Name (Printed)</b> Greg Menegio
---	-----------------------------------	----------------------------	--	--	---------------------------------------

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
1	SB-9A	11/19/03	X			VOCs, SVOCs (PAH only) Pb, Cr, PCBs, TAC, Pesticides	2 8oz
2	SB-9B		X				"

<b>Chain-of-Custody Record</b>		<b>Turn-Around Time</b>	
<b>Bottles Relinquished from Lab by</b> <i>Greg Menegio</i>	<b>Date/Time</b> 11/19/03 SA	<b>Sample Received by</b>	<b>Date/Time</b>
<b>Bottles Received in Field by</b>	<b>Date/Time</b>	<b>Sample Received in LAB by</b>	<b>Date/Time</b>
<b>Comments/Special Instructions</b> NYSDOC Cont B Deliverables		<input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH (define)	

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Enviroscience Consultants, Inc.**  
33 Flying Point Road  
Suite 208  
Southampton, NY 11968  
Attention: Greg Menegio

Report Date: 12/5/2003  
**Re: Client Project ID: DEP/Water SDG 1**  
**57-15 49<sup>th</sup> St., Maspeth, NY**  
York Project No.: 03110578

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Page 1 of 20

NC-NYCDEP-00000592

Report Date: 12/5/2003  
 Client Project ID: DEP/Water SDG 1  
 57-15 49<sup>th</sup> St., Maspeth, NY  
 York Project No.: 03110578

**Enviroscience Consultants, Inc.**  
 33 Flying Point Road, Suite 208  
 Southampton, NY 11968  
 Attention: Greg Menegio

## 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 11/20/03. The project was identified as your project "DEP/Water SDG/157-15 49<sup>th</sup> St., Maspeth, NY".

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

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

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

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

### Analysis Results

Client Sample ID			TB-11/19	
York Sample ID			03110578-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1

**YORK**

Client Sample ID			TB-11/19	
York Sample ID			03110578-01	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			1	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1

**YORK**

Client Sample ID			GP-1		GP-2	
York Sample ID			03110578-02		03110578-03	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---	---	---
4,4'-DDD			Not detected	0.05	Not detected	0.05
4,4'-DDE			Not detected	0.05	Not detected	0.05
4,4'-DDT			Not detected	0.05	Not detected	0.05
Aldrin			Not detected	0.05	Not detected	0.05
alpha-BHC			Not detected	0.05	Not detected	0.05
beta-BHC			Not detected	0.05	Not detected	0.05
Chlordane			Not detected	0.2	Not detected	0.2
delta-BHC			Not detected	0.05	Not detected	0.05
Dieldrin			Not detected	0.05	Not detected	0.05
Endosulfan I			Not detected	0.05	Not detected	0.05
Endosulfan II			Not detected	0.05	Not detected	0.05
Endosulfan sulfate			Not detected	0.05	Not detected	0.05
Endrin			Not detected	0.05	Not detected	0.05
Endrin aldehyde			Not detected	0.05	Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05	Not detected	0.05
Heptachlor			Not detected	0.05	Not detected	0.05
Heptachlor epoxide			Not detected	0.05	Not detected	0.05
Methoxychlor			Not detected	0.2	Not detected	0.2
Toxaphene			Not detected	2.0	Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1

**YORK**

Client Sample ID			GP-1		GP-2	
York Sample ID			03110578-02		03110578-03	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---	---	---
Acenaphthene			2 J	10	3 J	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10
Benzo[a]anthracene			4 J	10	Not detected	10
Benzo[a]pyrene			4 J	10	Not detected	10
Benzo[b]fluoranthene			3 J	10	Not detected	10
Benzo[g,h,i]perylene			3 J	10	Not detected	10
Benzo[k]fluoranthene			4 J	10	Not detected	10
Chrysene			4 J	10	Not detected	10
Dibenz[a,h]anthracene			Not detected	10	Not detected	10
Fluoranthene			9 J	10	Not detected	10
Fluorene			Not detected	10	Not detected	10
Indeno[1,2,3-cd]pyrene			3 J	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
Phenanthrene			Not detected	10	Not detected	10
Pyrene			12	10	3 J	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---	---	---
PCB 1016			Not detected	0.2	Not detected	0.2
PCB 1221			Not detected	0.2	Not detected	0.2

**YORK**



Client Sample ID			GP-1		GP-2	
York Sample ID			03110578-02		03110578-03	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1232			Not detected	0.2	Not detected	0.2
PCB 1242			Not detected	0.2	Not detected	0.2
PCB 1248			Not detected	0.2	Not detected	0.2
PCB 1254			Not detected	0.2	Not detected	0.2
PCB 1260			Not detected	0.2	Not detected	0.2
PCB, Total			Not detected	0.2	Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			24.4	5.0	47.2	5.0
Antimony			Not detected	5.0	Not detected	5.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			100	10.0	338	10.0
Beryllium			Not detected	1.0	Not detected	1.0
Cadmium			Not detected	3.0	Not detected	3.0
Calcium			77800	20.0	158000	20.0
Chromium			Not detected	5.0	Not detected	5.0
Cobalt			Not detected	5.0	Not detected	5.0
Copper			Not detected	5.0	Not detected	5.0
Iron			59.9	5.0	41.7	5.0
Lead			4.9	3.0	23.1	3.0
Magnesium			16900	10.0	44600	10.0
Manganese			166	5.0	2140	5.0
Nickel			10.5	5.0	6.2	5.0
Potassium			5290	30.0	31000	30.0
Selenium			Not detected	10.0	15.4	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			25200	50.0	488000	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			Not detected	10.0	Not detected	10.0
Zinc			358	20.0	36.4	20.0
Mercury, Dissolved	SW-846-7470	mg/L	0.0010	0.0002	Not detected	0.0002
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			3060	5.0	32700	5.0
Antimony			Not detected	5.0	Not detected	5.0
Arsenic			Not detected	10.0	1.03	10.0
Barium			165	10.0	1160	10.0
Beryllium			Not detected	1.0	Not detected	1.0
Cadmium			Not detected	3.0	Not detected	3.0
Calcium			89600	20.0	491000	20.0
Chromium			42.7	5.0	116	5.0
Cobalt			7.5	5.0	43.6	5.0
Copper			107	5.0	335	5.0
Iron			10800	5.0	54000	5.0
Lead			298	3.0	7860	3.0
Magnesium			18200	10.0	65500	10.0
Manganese			299	5.0	6230	5.0
Nickel			35.4	5.0	77.9	5.0
Potassium			5710	30.0	26500	30.0
Selenium			Not detected	10.0	25.0	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			26200	50.0	505000	50.0

**YORK**

Client Sample ID			GP-1		GP-2	
York Sample ID			03110578-02		03110578-03	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			13.3	10.0	124	10.0
Zinc			824	20.0	1960	20.0
Mercury	SW846-7470	mg/L	0.0017	0.0002	0.0058	0.0002

Client Sample ID			GP-3		GP-4	
York Sample ID			03110578-04		03110578-05	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---	---	---
4,4'-DDD			Not detected	0.05	Not detected	0.05
4,4'-DDE			Not detected	0.05	Not detected	0.05
4,4'-DDT			Not detected	0.05	Not detected	0.05
Aldrin			Not detected	0.05	Not detected	0.05
alpha-BHC			Not detected	0.05	Not detected	0.05
beta-BHC			Not detected	0.05	Not detected	0.05
Chlordane			Not detected	0.2	Not detected	0.2
delta-BHC			Not detected	0.05	Not detected	0.05
Dieldrin			Not detected	0.05	Not detected	0.05
Endosulfan I			Not detected	0.05	Not detected	0.05
Endosulfan II			Not detected	0.05	Not detected	0.05
Endosulfan sulfate			Not detected	0.05	Not detected	0.05
Endrin			Not detected	0.05	Not detected	0.05
Endrin aldehyde			Not detected	0.05	Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05	Not detected	0.05
Heptachlor			Not detected	0.05	Not detected	0.05
Heptachlor epoxide			Not detected	0.05	Not detected	0.05
Methoxychlor			Not detected	0.2	Not detected	0.2
Toxaphene			Not detected	2.0	Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			1	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1

**YORK**

Client Sample ID			GP-3		GP-4	
York Sample ID			03110578-04		03110578-05	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	10	Not detected	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10
Benzo[a]anthracene			Not detected	10	Not detected	10
Benzo[a]pyrene			Not detected	10	Not detected	10
Benzo[b]fluoranthene			Not detected	10	Not detected	10
Benzo[g,h,i]perylene			Not detected	10	Not detected	10
Benzo[k]fluoranthene			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10

**YORK**

Client Sample ID			GP-3		GP-4	
York Sample ID			03110578-04		03110578-05	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Dibenz[a,h]anthracene			Not detected	10	Not detected	10
Fluoranthene			Not detected	10	Not detected	10
Fluorene			Not detected	10	Not detected	10
Indeno[1,2,3-cd]pyrene			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
Phenanthrene			Not detected	10	Not detected	10
Pyrene			2 J	10	Not detected	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---	---	---
PCB 1016			Not detected	0.2	Not detected	0.2
PCB 1221			Not detected	0.2	Not detected	0.2
PCB 1232			Not detected	0.2	Not detected	0.2
PCB 1242			Not detected	0.2	Not detected	0.2
PCB 1248			Not detected	0.2	Not detected	0.2
PCB 1254			Not detected	0.2	Not detected	0.2
PCB 1260			Not detected	0.2	Not detected	0.2
PCB, Total			Not detected	0.2	Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			38.1	5.0	57.6	5.0
Antimony			Not detected	5.0	Not detected	5.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			808	10.0	168	10.0
Beryllium			Not detected	1.0	Not detected	1.0
Cadmium			Not detected	3.0	Not detected	3.0
Calcium			106000	20.0	95200	20.0
Chromium			Not detected	5.0	Not detected	5.0
Cobalt			Not detected	5.0	Not detected	5.0
Copper			Not detected	5.0	Not detected	5.0
Iron			29.1	5.0	41.8	5.0
Lead			6.2	3.0	4.6	3.0
Magnesium			44600	10.0	19700	10.0
Manganese			395	5.0	427	5.0
Nickel			Not detected	5.0	6.0	5.0
Potassium			14300	30.0	10000	30.0
Selenium			Not detected	10.0	Not detected	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			30600	50.0	116000	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			Not detected	10.0	Not detected	10.0
Zinc			Not detected	20.0	114	20.0
Mercury, Dissolved	SW-846-7470	mg/L	Not detected	0.0002	Not detected	0.0002
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			65300	5.0	10700	5.0
Antimony			Not detected	5.0	Not detected	5.0
Arsenic			20.0	10.0	Not detected	10.0
Barium			4650	10.0	391	10.0
Beryllium			5.3	1.0	Not detected	1.0
Cadmium			9.1	3.0	3.8	3.0
Calcium			663000	20.0	114000	20.0
Chromium			275	5.0	64.6	5.0
Cobalt			94.9	5.0	26.9	5.0

**YORK**

Client Sample ID			GP-3		GP-4	
York Sample ID			03110578-04		03110578-05	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Copper			1090	5.0	229	5.0
Iron			173000	5.0	24800	5.0
Lead			9520	3.0	364	3.0
Magnesium			91500	10.0	24000	10.0
Manganese			4600	5.0	794	5.0
Nickel			274	5.0	54.5	5.0
Potassium			26000	30.0	14100	30.0
Selenium			35.3	10.0	Not detected	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			52700	50.0	117000	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			306	10.0	34.6	10.0
Zinc			9590	20.0	1640	20.0
Mercury	SW846-7470	mg/L	Not detected	0.0002	0.0021	0.0002

Client Sample ID			GP-5		GP-6	
York Sample ID			03110578-06		03110578-07	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---	---	---
4,4'-DDD			Not detected	0.05	Not detected	0.05
4,4'-DDE			Not detected	0.05	Not detected	0.05
4,4'-DDT			Not detected	0.05	Not detected	0.05
Aldrin			Not detected	0.05	Not detected	0.05
alpha-BHC			Not detected	0.05	Not detected	0.05
beta-BHC			Not detected	0.05	Not detected	0.05
Chlordane			Not detected	0.2	Not detected	0.2
delta-BHC			Not detected	0.05	Not detected	0.05
Dieldrin			Not detected	0.05	Not detected	0.05
Endosulfan I			Not detected	0.05	Not detected	0.05
Endosulfan II			Not detected	0.05	Not detected	0.05
Endosulfan sulfate			Not detected	0.05	Not detected	0.05
Endrin			Not detected	0.05	Not detected	0.05
Endrin aldehyde			Not detected	0.05	Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05	Not detected	0.05
Heptachlor			Not detected	0.05	Not detected	0.05
Heptachlor epoxide			Not detected	0.05	Not detected	0.05
Methoxychlor			Not detected	0.2	Not detected	0.2
Toxaphene			Not detected	2.0	Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1

**YORK**

Client Sample ID			GP-5		GP-6	
York Sample ID			03110578-06		03110578-07	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			1	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			1	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

**YORK**

Client Sample ID			GP-5		GP-6	
York Sample ID			03110578-06		03110578-07	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	10	Not detected	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10
Benzo[a]anthracene			Not detected	10	Not detected	10
Benzo[a]pyrene			Not detected	10	Not detected	10
Benzo[b]fluoranthene			Not detected	10	Not detected	10
Benzo[g,h,i]perylene			Not detected	10	Not detected	10
Benzo[k]fluoranthene			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenz[a,h]anthracene			Not detected	10	Not detected	10
Fluoranthene			Not detected	10	Not detected	10
Fluorene			Not detected	10	Not detected	10
Indeno[1,2,3-cd]pyrene			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
Phenanthrene			Not detected	10	Not detected	10
Pyrene			Not detected	10	Not detected	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---	---	---
PCB 1016			Not detected	0.2	Not detected	0.2
PCB 1221			Not detected	0.2	Not detected	0.2
PCB 1232			Not detected	0.2	Not detected	0.2
PCB 1242			Not detected	0.2	Not detected	0.2
PCB 1248			Not detected	0.2	Not detected	0.2
PCB 1254			Not detected	0.2	Not detected	0.2
PCB 1260			Not detected	0.2	Not detected	0.2
PCB, Total			Not detected	0.2	Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			59.3	5.0	10.8	5.0
Antimony			Not detected	5.0	Not detected	5.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			38.4	10.0	101	10.0
Beryllium			Not detected	1.0	Not detected	1.0
Cadmium			Not detected	3.0	Not detected	3.0
Calcium			110000	20.0	115000	20.0
Chromium			8.5	5.0	Not detected	5.0
Cobalt			8.3	5.0	139	5.0
Copper			Not detected	5.0	15.5	5.0
Iron			88.4	5.0	128	5.0
Lead			4.2	3.0	4.1	3.0
Magnesium			39500	10.0	21900	10.0
Manganese			10700	5.0	656	5.0
Nickel			Not detected	5.0	27.0	5.0
Potassium			3630	30.0	8960	30.0
Selenium			32.1	10.0	Not detected	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			14800	50.0	41700	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			Not detected	10.0	Not detected	10.0
Zinc			52.2	20.0	1480	20.0
Mercury, Dissolved	SW-846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

**YORK**

Client Sample ID			GP-5		GP-6	
York Sample ID			03110578-06		03110578-07	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			80600	5.0	16200	5.0
Antimony			9.8	5.0	12.8	5.0
Arsenic			19.2	10.0	19.4	10.0
Barium			2510	10.0	1090	10.0
Beryllium			6.6	1.0	Not detected	1.0
Cadmium			56.8	3.0	5.1	3.0
Calcium			175000	20.0	143000	20.0
Chromium			883	5.0	322	5.0
Cobalt			1440	5.0	1220	5.0
Copper			3010	5.0	5220	5.0
Iron			382000	5.0	189000	5.0
Lead			3450	3.0	2440	3.0
Magnesium			64300	10.0	26500	10.0
Manganese			21100	5.0	1510	5.0
Nickel			309	5.0	157	5.0
Potassium			11200	30.0	10700	30.0
Selenium			76.9	10.0	30.7	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			102000	50.0	118000	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			413	10.0	50.5	10.0
Zinc			43700	20.0	41000	20.0
Mercury	SW846-7470	mg/L	0.0006	0.0002	0.0002	0.0002

Client Sample ID			GP-7		GP-8	
York Sample ID			03110578-08		03110578-09	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---	---	---
4,4'-DDD			Not detected	0.05	Not detected	0.05
4,4'-DDE			Not detected	0.05	Not detected	0.05
4,4'-DDT			Not detected	0.05	Not detected	0.05
Aldrin			Not detected	0.05	Not detected	0.05
alpha-BHC			Not detected	0.05	Not detected	0.05
beta-BHC			Not detected	0.05	Not detected	0.05
Chlordane			Not detected	0.2	Not detected	0.2
delta-BHC			Not detected	0.05	Not detected	0.05
Dieldrin			Not detected	0.05	Not detected	0.05
Endosulfan I			Not detected	0.05	Not detected	0.05
Endosulfan II			Not detected	0.05	Not detected	0.05
Endosulfan sulfate			Not detected	0.05	Not detected	0.05
Endrin			Not detected	0.05	Not detected	0.05
Endrin aldehyde			Not detected	0.05	Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05	Not detected	0.05
Heptachlor			Not detected	0.05	Not detected	0.05
Heptachlor epoxide			Not detected	0.05	Not detected	0.05
Methoxychlor			Not detected	0.2	Not detected	0.2
Toxaphene			Not detected	2.0	Not detected	2.0

**YORK**



Client Sample ID			GP-7		GP-8	
York Sample ID			03110578-08		03110578-09	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	2(cis-)	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1

**YORK**

Client Sample ID			GP-7		GP-8	
York Sample ID			03110578-08		03110578-09	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
p-Isopropyltoluene			Not detected	1	1	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	10	8 J	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10
Benzo[a]anthracene			Not detected	10	Not detected	10
Benzo[a]pyrene			Not detected	10	Not detected	10
Benzo[b]fluoranthene			Not detected	10	Not detected	10
Benzo[g,h,i]perylene			Not detected	10	Not detected	10
Benzo[k]fluoranthene			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenz[a,h]anthracene			Not detected	10	Not detected	10
Fluoranthene			Not detected	10	3 J	10
Fluorene			Not detected	10	4 J	10
Indeno[1,2,3-cd]pyrene			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
Phenanthrene			Not detected	10	5 J	10
Pyrene			Not detected	10	3 J	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---	---	---
PCB 1016			Not detected	0.2	Not detected	0.2
PCB 1221			Not detected	0.2	Not detected	0.2
PCB 1232			Not detected	0.2	Not detected	0.2
PCB 1242			Not detected	0.2	Not detected	0.2
PCB 1248			Not detected	0.2	Not detected	0.2
PCB 1254			Not detected	0.2	Not detected	0.2
PCB 1260			Not detected	0.2	Not detected	0.2
PCB, Total			Not detected	0.2	Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			511	5.0	75.0	5.0
Antimony			Not detected	5.0	Not detected	5.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			65.7	10.0	256	10.0
Beryllium			Not detected	1.0	Not detected	1.0
Cadmium			Not detected	3.0	Not detected	3.0
Calcium			77900	20.0	72700	20.0
Chromium			Not detected	5.0	Not detected	5.0
Cobalt			Not detected	5.0	6.0	5.0
Copper			5.7	5.0	5.0	5.0
Iron			527	5.0	69.5	5.0
Lead			3.5	3.0	Not detected	3.0
Magnesium			39300	10.0	25300	10.0

**YORK**

Client Sample ID			GP-7		GP-8	
York Sample ID			03110578-08		03110578-09	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Manganese			141	5.0	399	5.0
Nickel			Not detected	5.0	10.3	5.0
Potassium			4940	30.0	16700	30.0
Selenium			Not detected	10.0	16.5	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			185000	50.0	269000	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			Not detected	10.0	Not detected	10.0
Zinc			Not detected	20.0	22.4	20.0
Mercury, Dissolved	SW-846-7470	mg/L	Not detected	0.0002	Not detected	0.0002
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			60300	5.0	22700	5.0
Antimony			Not detected	5.0	Not detected	5.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			2970	10.0	786	10.0
Beryllium			6.0	1.0	Not detected	1.0
Cadmium			Not detected	3.0	Not detected	3.0
Calcium			119000	20.0	149000	20.0
Chromium			259	5.0	485	5.0
Cobalt			150	5.0	70.4	5.0
Copper			233	5.0	273	5.0
Iron			156000	5.0	127000	5.0
Lead			32.9	3.0	168	3.0
Magnesium			69000	10.0	52000	10.0
Manganese			22800	5.0	3240	5.0
Nickel			263	5.0	300	5.0
Potassium			10800	30.0	23300	30.0
Selenium			55.0	10.0	27.5	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			185000	50.0	277000	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			157	10.0	87.2	10.0
Zinc			1120	20.0	1890	20.0
Mercury	SW846-7470	mg/L	0.0005	0.0002	0.0005	0.0002

Client Sample ID			GP-10		EBW-11/19	
York Sample ID			03110578-10		03110578-11	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides 8080 List water</b>	SW846-3510C/8081	ug/L	---	---	---	---
4,4'-DDD			Not detected	0.05	Not detected	0.05
4,4'-DDE			Not detected	0.05	Not detected	0.05
4,4'-DDT			Not detected	0.05	Not detected	0.05
Aldrin			Not detected	0.05	Not detected	0.05
alpha-BHC			Not detected	0.05	Not detected	0.05
beta-BHC			Not detected	0.05	Not detected	0.05
Chlordane			Not detected	0.2	Not detected	0.2
delta-BHC			Not detected	0.05	Not detected	0.05
Dieldrin			Not detected	0.05	Not detected	0.05

**YORK**

Client Sample ID			GP-10		EBW-11/19	
York Sample ID			03110578-10		03110578-11	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Endosulfan I			Not detected	0.05	Not detected	0.05
Endosulfan II			Not detected	0.05	Not detected	0.05
Endosulfan sulfate			Not detected	0.05	Not detected	0.05
Endrin			Not detected	0.05	Not detected	0.05
Endrin aldehyde			Not detected	0.05	Not detected	0.05
gamma-BHC (Lindane)			Not detected	0.05	Not detected	0.05
Heptachlor			Not detected	0.05	Not detected	0.05
Heptachlor epoxide			Not detected	0.05	Not detected	0.05
Methoxychlor			Not detected	0.2	Not detected	0.2
Toxaphene			Not detected	2.0	Not detected	2.0
<b>Volatiles-8260 list</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			1 B	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1

**YORK**

Client Sample ID			GP-10		EBW-11/19	
York Sample ID			03110578-10		03110578-11	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			60 B	1	2 B	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/L	---	---	---	---
Acenaphthene			3 J	10	Not detected	10
Acenaphthylene			Not detected	10	Not detected	10
Anthracene			Not detected	10	Not detected	10
Benzo[a]anthracene			Not detected	10	Not detected	10
Benzo[a]pyrene			Not detected	10	Not detected	10
Benzo[b]fluoranthene			Not detected	10	Not detected	10
Benzo[g,h,i]perylene			Not detected	10	Not detected	10
Benzo[k]fluoranthene			Not detected	10	Not detected	10
Chrysene			Not detected	10	Not detected	10
Dibenz[a,h]anthracene			Not detected	10	Not detected	10
Fluoranthene			Not detected	10	Not detected	10
Fluorene			Not detected	10	Not detected	10
Indeno[1,2,3-cd]pyrene			Not detected	10	Not detected	10
Naphthalene			37	10	Not detected	10
Phenanthrene			Not detected	10	Not detected	10
Pyrene			Not detected	10	Not detected	10
<b>PCB</b>	SW846-3510C/8082	ug/L	---	---	---	---
PCB 1016			Not detected	0.2	Not detected	0.2
PCB 1221			Not detected	0.2	Not detected	0.2
PCB 1232			Not detected	0.2	Not detected	0.2
PCB 1242			Not detected	0.2	Not detected	0.2
PCB 1248			Not detected	0.2	Not detected	0.2
PCB 1254			Not detected	0.2	Not detected	0.2
PCB 1260			Not detected	0.2	Not detected	0.2
PCB, Total			Not detected	0.2	Not detected	0.2
<b>Metals, Target Analyte List(Dissolved)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			381	5.0		
Antimony			Not detected	5.0		
Arsenic			Not detected	10.0		

**YORK**

Client Sample ID			GP-10		EBW-11/19	
York Sample ID			03110578-10		03110578-11	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Barium			72.8	10.0		
Beryllium			Not detected	1.0		
Cadmium			Not detected	3.0		
Calcium			15400	20.0		
Chromium			Not detected	5.0		
Cobalt			25.0	5.0		
Copper			6.8	5.0		
Iron			239	5.0		
Lead			Not detected	3.0		
Magnesium			10600	10.0		
Manganese			99.8	5.0		
Nickel			13.4	5.0		
Potassium			17400	30.0		
Selenium			29.0	10.0		
Silver			Not detected	5.0		
Sodium			822000	50.0		
Thallium			Not detected	10.0		
Vanadium			Not detected	10.0		
Zinc			Not detected	20.0		
Mercury, Dissolved	SW-846-7470	mg/L	Not detected	0.0002	---	---
<b>Metals, Target Analyte List(TAL)</b>	SW846-6010	ug/L	---	---	---	---
Aluminum			74100	5.0	15.7	5.0
Antimony			Not detected	5.0	Not detected	5.0
Arsenic			Not detected	10.0	Not detected	10.0
Barium			1870	10.0	Not detected	10.0
Beryllium			6.4	1.0	Not detected	1.0
Cadmium			3.5	3.0	Not detected	3.0
Calcium			107000	20.0	284	20.0
Chromium			388	5.0	Not detected	5.0
Cobalt			130	5.0	Not detected	5.0
Copper			7.8	5.0	Not detected	5.0
Iron			202000	5.0	233	5.0
Lead			224	3.0	Not detected	3.0
Magnesium			45800	10.0	46.6	10.0
Manganese			11400	5.0	Not detected	5.0
Nickel			296	5.0	Not detected	5.0
Potassium			33300	30.0	Not detected	30.0
Selenium			43.1	10.0	Not detected	10.0
Silver			Not detected	5.0	Not detected	5.0
Sodium			831000	50.0	102	50.0
Thallium			Not detected	10.0	Not detected	10.0
Vanadium			296	10.0	Not detected	10.0
Zinc			937	20.0	Not detected	20.0
Mercury	SW846-7470	mg/L	0.0011	0.0002	Not detected	0.0002

**Units Key:**

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

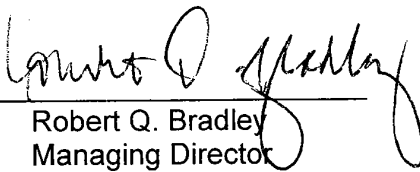
For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**YORK**

Report Date: 12/5/2003  
Client Project ID: DEP/Water SDG 1  
57-15 49<sup>th</sup> St., Maspeth, NY  
York Project No.: 03110578

**Notes for York Project No. 03110578**

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.
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: 12/5/2003

**YORK**

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# YORK

ANALYTICAL LABORATORIES, INC.

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## Definitions for FLAGS used as a Results Suffix

Flags are sometimes used on results to indicate certain occurrences during the analysis process. The most common flags used by York are defined below.

### FLAG

### DEFINITION

- J** J indicates an estimated value. This flag applies to Tentatively Identified Compounds or, when requested, for a target compound whose result is less than the reporting limit but whose mass spectral data meet identification criteria. For example if the reporting limit is listed as 10 ppb and the analysis shows 3 ppb, the result can be reported as 3 J. The client must request the use of J flags for the laboratory to report such flags.
- B** B indicates that the analyte was also found in the associated batch method blank. This flag indicates possible/probable blank contamination and warns the data user to be aware. This mostly applies to the volatiles acetone and methylene chloride and the semi-volatiles bis-(2-ethylhexyl) phthalate and other phthalates.
- E** This flag is used to indicate that the reported concentration of an analyte exceeded the calibration range of the analytical system. In this case the result reported is treated as a minimum value. This often applies where clients request an additional analyte after sample analysis, such as acetone, where the initial analysis did not require dilution since acetone was not a target compound. This flag will also apply if after numerous dilutions a specific target compound would significantly dilute out all other targets.



# YORK

ANALYTICAL LABORATORIES, INC.  
 ONE RESEARCH DRIVE  
 STAMFORD, CT 06906  
 (203) 325-1371 FAX (203) 357-0166

# Field Chain-of-Custody Record

DM10578

<b>Company Name</b> EnviroScience Consultants		<b>Report To:</b> G. Manegio		<b>Invoice To:</b> Same		<b>Project ID/No.</b> DEP/WATER SDG 1 57-15 49th St, Maspeth, NY		<b>Samples Collected By (Signature)</b> [Signature]	
<b>Company Name</b> EnviroScience Consultants		<b>Report To:</b> G. Manegio		<b>Invoice To:</b> Same		<b>Project ID/No.</b> DEP/WATER SDG 1 57-15 49th St, Maspeth, NY		<b>Samples Collected By (Signature)</b> Corey McNeel	
<b>Company Name</b> EnviroScience Consultants		<b>Report To:</b> G. Manegio		<b>Invoice To:</b> Same		<b>Project ID/No.</b> DEP/WATER SDG 1 57-15 49th St, Maspeth, NY		<b>Samples Collected By (Signature)</b> Corey McNeel	
<b>Company Name</b> EnviroScience Consultants		<b>Report To:</b> G. Manegio		<b>Invoice To:</b> Same		<b>Project ID/No.</b> DEP/WATER SDG 1 57-15 49th St, Maspeth, NY		<b>Samples Collected By (Signature)</b> Corey McNeel	
Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)		
			Water	Soil	Air			OTHER	
1	TB-11/19	11/19/03	X				240 ml HCl		
2	SEA GP-1		X			VOCs, SVOCs (PAH only) Pb, Cu, Dissolved + Total TAC, metals	240 ml HCl 4 1 L / more 1 250 ml / more		
3	SEA GP-2		X				250 ml HCl		
4	GP-3		X						
5	GP-4		X						
6	GP-5		X						
7	GP-6		X						
8	GP-7		X						
9	GP-8		X						
10	GP-10		X						

### Chain-of-Custody Record

Bottles Relinquished from Lab by [Signature]	Date/Time 11/19/03 SA	Sample Relinquished by A.M. Finell	Date/Time 11-20-03/00	Sample Received by [Signature]	Date/Time 11/20 100
Bottles Received in Field by [Signature]	Date/Time 11/19/03 SA	Sample Relinquished by [Signature]	Date/Time 11-20-03/00	Sample Received in LAB by [Signature]	Date/Time 11/20 100
Comments/Special Instructions CAP should allow for dissolved metals NYSDOC CAT B Determinables					
Turn-Around Time Standard			RUSH(define)		



Client Sample ID			MW-5A		MW-5B	
York Sample ID			03110610-05		03110610-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
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-1,3-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
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-1,3-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
<b>Polynuclear Aromatic Hydroc.(BN)</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			9600 J	17000	810 J	1700
Acenaphthylene			Not detected	17000	Not detected	1700
Anthracene			18000	17000	2000	1700
Benzo[a]anthracene			50000	17000	4300	1700
Benzo[a]pyrene			37000	17000	3400	1700
Benzo[b]fluoranthene			40000	17000	3000	1700
Benzo[g,h,i]perylene			11000 J	17000	870 J	1700
Benzo[k]fluoranthene			31000	17000	3100	1700
Chrysene			59000	17000	4800	1700
Dibenz[a,h]anthracene			7900 J	17000	470 J	1700
Fluoranthene			82000	17000	7400	1700
Fluorene			10000 J	17000	1100 J	1700
Indeno[1,2,3-cd]pyrene			14000 J	17000	1200 J	1700
Naphthalene			5200 J	17000	580 J	1700
Phenanthrene			66000	17000	7100	1700
Pyrene			75000	17000	6500	1700
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.02	Not detected	0.02
PCB 1221			Not detected	0.02	Not detected	0.02
PCB 1232			Not detected	0.02	Not detected	0.02

**YORK**

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Enviroscience Consultants, Inc.**  
2150 Smithtown Avenue  
Ronkonkoma, NY 11779  
Attention: Mr. Peter Dermody

Report Date: 3/21/2005  
*Re: Client Project ID: Maspeth*  
York Project No.: 05030504

CT License No. PH-0723

New York License No. 10854



120 RESEARCH DRIVE

STRATFORD, CT 06615

(203) 325-1371

FAX (203) 357-0166

Report Date: 3/21/2005  
 Client Project ID: Maspeth  
 York Project No.: 05030504

**Enviroscience Consultants, Inc.**  
 2150 Smithtown Avenue  
 Ronkonkoma, NY 11779  
 Attention: Mr. Peter Dermody

## 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 03/17/05. The project was identified as your project "Maspeth".

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

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

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

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

### Analysis Results

Client Sample ID			SB-1A		SB-1B	
York Sample ID			05030504-01		05030504-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	---	---	---	---
alpha-Pinene			700		Not detected	

Client Sample ID			SB-3A		SB-3B	
York Sample ID			05030504-03		05030504-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	---	---	---	---
Methyl cyclohexane			28		Not detected	
Unknown cyclic aliphatic			25		Not detected	

**YORK**

Client Sample ID			SB-5A		SB-5B	
York Sample ID			05030504-05		05030504-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

Client Sample ID			SB-6A		SB-6B	
York Sample ID			05030504-07		05030504-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

Client Sample ID			SB-8A		SB-8B	
York Sample ID			05030504-09		05030504-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	---	---	---	---
alpha-pinene			Not detected		29	

Client Sample ID			SB-10A		SB-10B	
York Sample ID			05030504-11		05030504-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

Client Sample ID			SB-11A		SB-11B	
York Sample ID			05030504-13		05030504-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

Client Sample ID			SB-16A		SB-16B	
York Sample ID			05030504-15		05030504-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

Client Sample ID			SB-17A		SB-17B	
York Sample ID			05030504-17		05030504-18	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

**YORK**

Client Sample ID			SB-21A		SB-21B	
York Sample ID			05030504-19		05030504-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

Client Sample ID			SB-22A		SB-22B	
York Sample ID			05030504-21		05030504-22	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

Client Sample ID			SB-23A		SB-23B	
York Sample ID			05030504-23		05030504-24	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

Client Sample ID			SB-24A		SB-24B	
York Sample ID			05030504-25		05030504-26	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	---	---	---	---
Decane			100		Not detected	
Dimethyl undecane isomer			170		Not detected	
Dodecane			120		Not detected	
Ethyl cyclohexane			59		Not detected	
Methyl decane isomer			84		Not detected	
Methyl nonane isomer			86		Not detected	
Propyl heptane			110		Not detected	
Undecane			55		Not detected	
Unknown alkyl cyclohexanes			240		Not detected	

Client Sample ID			SB-25A		SB-25B	
York Sample ID			05030504-27		05030504-28	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

Client Sample ID			SB-26A		SB-26B	
York Sample ID			05030504-29		05030504-30	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

**YORK**

Client Sample ID			SB-27A		SB-27B	
York Sample ID			05030504-31		05030504-32	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	---	---	---	---
Decahydro methyl naphthalene isomer			260		Not detected	
Dimethyl cyclohexane isomer			420		Not detected	
Dimethyl octane isomer			900		Not detected	
Dimethyl undecane isomer			220		Not detected	
Methyl cyclohexane			160		Not detected	
Methyl nonane isomer			370		Not detected	
Nonane			200		Not detected	
Tetramethyl cyclohexane isomer			400		Not detected	
Trimethyl cyclohexane isomer			490		Not detected	
Unknown alkene			150		Not detected	

Client Sample ID			SB-28A		SB-28B	
York Sample ID			05030504-33		05030504-34	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected	---	Not detected	---

Client Sample ID			SB-29A		SB-29B	
York Sample ID			05030504-35		05030504-36	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

Client Sample ID			SB-30A		SB-30B	
York Sample ID			05030504-37		05030504-38	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

Client Sample ID			SB-31A		SB-31B	
York Sample ID			05030504-39		05030504-40	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

Client Sample ID			TP-4		TP-5	
York Sample ID			05030504-41		05030504-42	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	---	---	---	---
Decahydro methyl naphthalene isomer			Not detected		23	
Dimethyl undecane isomer			29		Not detected	
Methyl nonane isomer			38		Not detected	
Unknown alkyl cyclohexane			18		Not detected	

**YORK**



Client Sample ID			TP-6		TP-7	
York Sample ID			05030504-43		05030504-44	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	Not detected		Not detected	---

Client Sample ID			TP-8		SS-1	
York Sample ID			05030504-45		05030504-46	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	---	---	---	---
Dimethyl disulfide			Not detected		31	
Dimethyl dodecane isomer			260		Not detected	
Dimethyl octane isomer			510		Not detected	
Dimethyl sulfide			Not detected		660	
Dimethyl undecane isomer			890		Not detected	
Ethyl dimethyl benzene isomer			440		Not detected	
Methyl (methylethyl) benzene isomer			280		Not detected	
Methyl nonane isomer			300		Not detected	
Methyl tridecane isomer			550		Not detected	
Tetrahydro methyl naphthalene isomers			780		Not detected	
Unknown alkyl cyclohexane			270		Not detected	

Client Sample ID			SS-2		SS-3	
York Sample ID			05030504-47		05030504-48	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/kg	---	---	---	---
Dimethyl sulfide			Not detected		120	

Client Sample ID			GP-2		GP-4	
York Sample ID			05030504-49		05030504-50	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
MTBE			10		3	

Client Sample ID			GP-6		GP-8	
York Sample ID			05030504-51		05030504-52	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
MTBE			1		4	

**YORK**

<b>Client Sample ID</b>			<b>GP-10</b>		<b>GP-12</b>	
<b>York Sample ID</b>			<b>05030504-53</b>		<b>05030504-54</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>VOA Tentatively ID Compounds</b>	SW846-8260	ug/L	---	---	---	---
MTBE			6		Not detected	

<b>Client Sample ID</b>			<b>GP-14</b>		<b>GP-16</b>	
<b>York Sample ID</b>			<b>05030504-55</b>		<b>05030504-56</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>VOA Tentatively ID Compounds</b>	SW846-8260	ug/L	---	---	---	---
MTBE			Not detected		43	

<b>Client Sample ID</b>			<b>GP-28</b>		<b>GP-24</b>	
<b>York Sample ID</b>			<b>05030504-57</b>		<b>05030504-58</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>VOA Tentatively ID Compounds</b>	SW846-8260	ug/L	---	---	---	---
1,2,3-Trimethylbenzene			Not detected		100	
Ethyl methyl benzene isomers			Not detected		105	
Methyl (methylethyl) benzene isomer			Not detected		10	
Methyl propyl benzene isomers			Not detected		18	
MTBE			2		92	
Tetramethyl benzene isomers			Not detected		12	

<b>Client Sample ID</b>			<b>DW-1</b>		<b>DW-2</b>	
<b>York Sample ID</b>			<b>05030504-59</b>		<b>05030504-60</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>VOA Tentatively ID Compounds</b>	SW846-8260	ug/L	Not detected		Not detected	---

<b>Client Sample ID</b>			<b>MW-3-1998</b>		<b>MW-4-1998</b>	
<b>York Sample ID</b>			<b>05030504-61</b>		<b>05030504-62</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>VOA Tentatively ID Compounds</b>	SW846-8260	ug/L	---	---	---	---
MTBE			Not detected		2	

**YORK**

Client Sample ID			MW-6		MW-7	
York Sample ID			05030504-63		05030504-64	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
1,2,3-Trimethylbenzene			8		Not detected	
Indane			Not detected		9	
Methyl propenyl benzene isomer			Not detected		11	
MTBE			5		2	
Tetrahydronaphthalene isomer			Not detected		8	
Tetramethylbenzene isomer			Not detected		9	

Client Sample ID			MW-8		MW-9	
York Sample ID			05030504-65		05030504-66	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/L	Not detected		Not detected	---

Client Sample ID			MW-12		MW-13	
York Sample ID			05030504-67		05030504-68	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
(Methylethyl) cyclohexane isomer			Not detected		38	
(Methyl-propenyl) benzene isomer			Not detected		39	
1-Methyl indan			23		Not detected	
2-Propenyl benzene			20		Not detected	
alpha Pinene			Not detected		29	
Dihydro dimethyl indene isomer			23		Not detected	
Dimethyl octane isomer			Not detected		32	
Dimethyl undecane			37		Not detected	
Dimethyl undecane isomer			Not detected		48	
Ethanol			Not detected		33	
Ethyl alcohol			27		Not detected	
Ethyl cyclohexane			Not detected		32	
Methyl tridecane isomer			67		76	
MTBE			Not detected		2	
Tetrahydro methyl naphthalene isomer			Not detected		40	
Tetrahydro methyl naphthalene isomers			59		Not detected	
Tetrahydro naphthalene isomer			39		Not detected	
Tetramethyl benzene isomer			Not detected		32	
Trimethyl dodecane isomer			29		Not detected	

**YORK**

Client Sample ID			SW-1		SW-2	
York Sample ID			05030504-69		05030504-70	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
VOA Tentatively ID Compounds	SW846-8260	ug/L	---	---	---	---
Ethyl alcohol			Not detected		7	
Isopropyl alcohol			Not detected		19	
MTBE			1		1	

Client Sample ID			SG-2		SG-4	
York Sample ID			05030504-71		05030504-72	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
TO-14 Tent.Ident.Compounds	EPA TO-14	ppbv, est.	Not detected		Not detected	---

Client Sample ID			SG-6		SG-8	
York Sample ID			05030504-73		05030504-74	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
TO-14 Tent.Ident.Compounds	EPA TO-14	ppbv, est.	Not detected		Not detected	---

Client Sample ID			SG-10		SG-12	
York Sample ID			05030504-75		05030504-76	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
TO-14 Tent.Ident.Compounds	EPA TO-14	ppbv, est.	Not detected		Not detected	---

Client Sample ID			SG-14		SG-16	
York Sample ID			05030504-77		05030504-78	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
TO-14 Tent.Ident.Compounds	EPA TO-14	ppbv, est.	Not detected		Not detected	---

Client Sample ID			SG-18		SG-20	
York Sample ID			05030504-79		05030504-80	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
TO-14 Tent.Ident.Compounds	EPA TO-14	ppbv, est.	---	---	---	---
1-Ethyl-4-methyl benzene			Not detected		16	

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

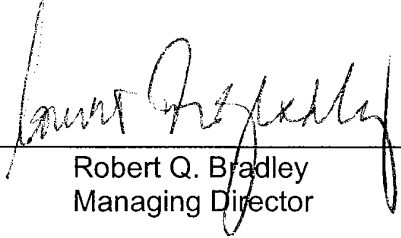
**YORK**

Report Date: 3/21/2005  
Client Project ID: Maspeth  
York Project No.: 05030504

**Notes for York Project No. 05030504**

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.
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.

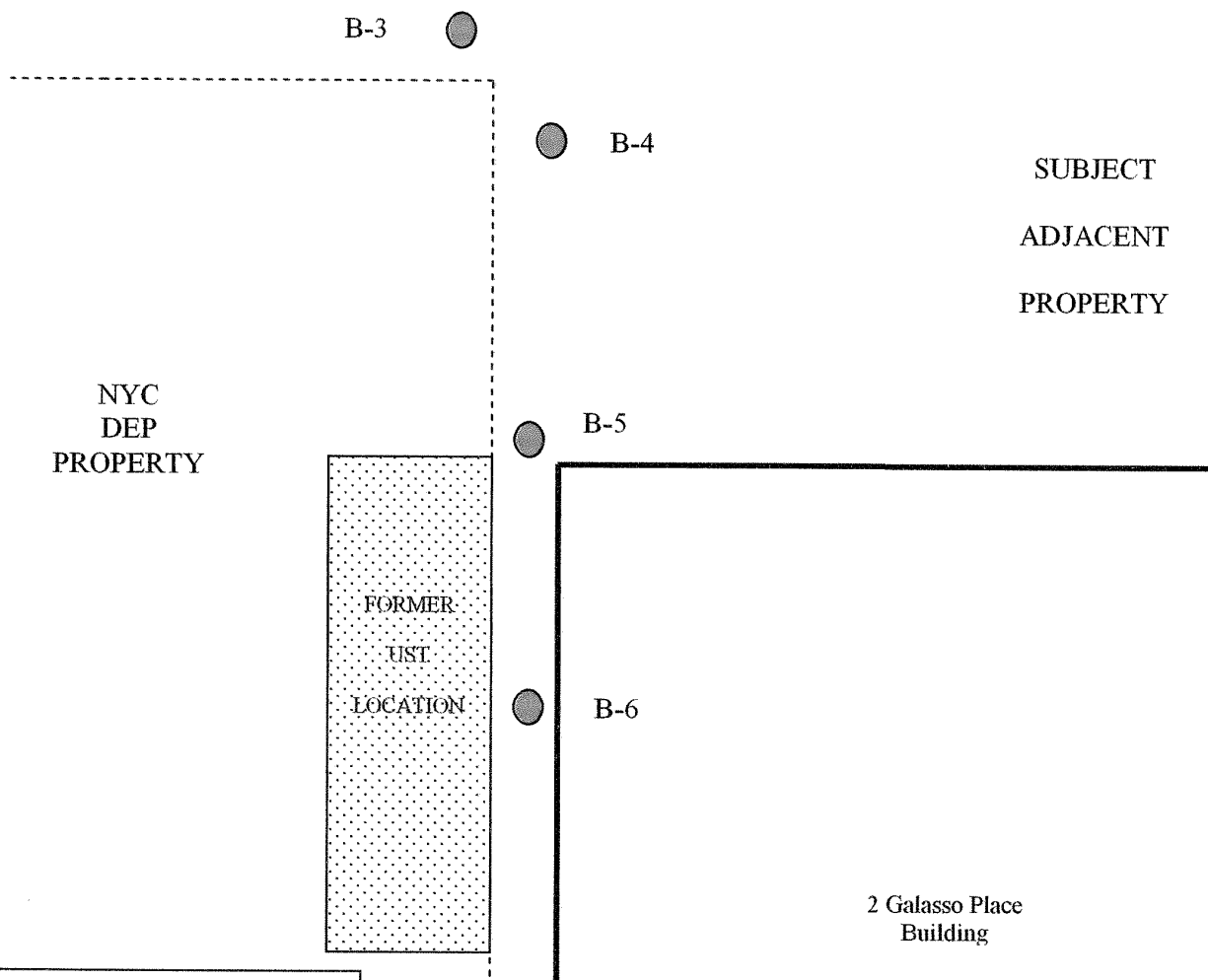
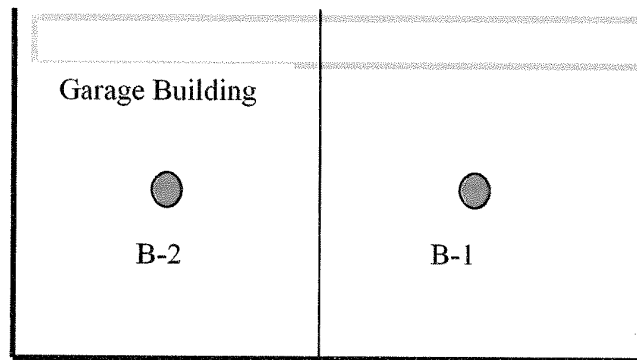
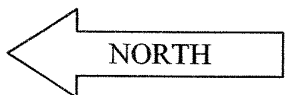
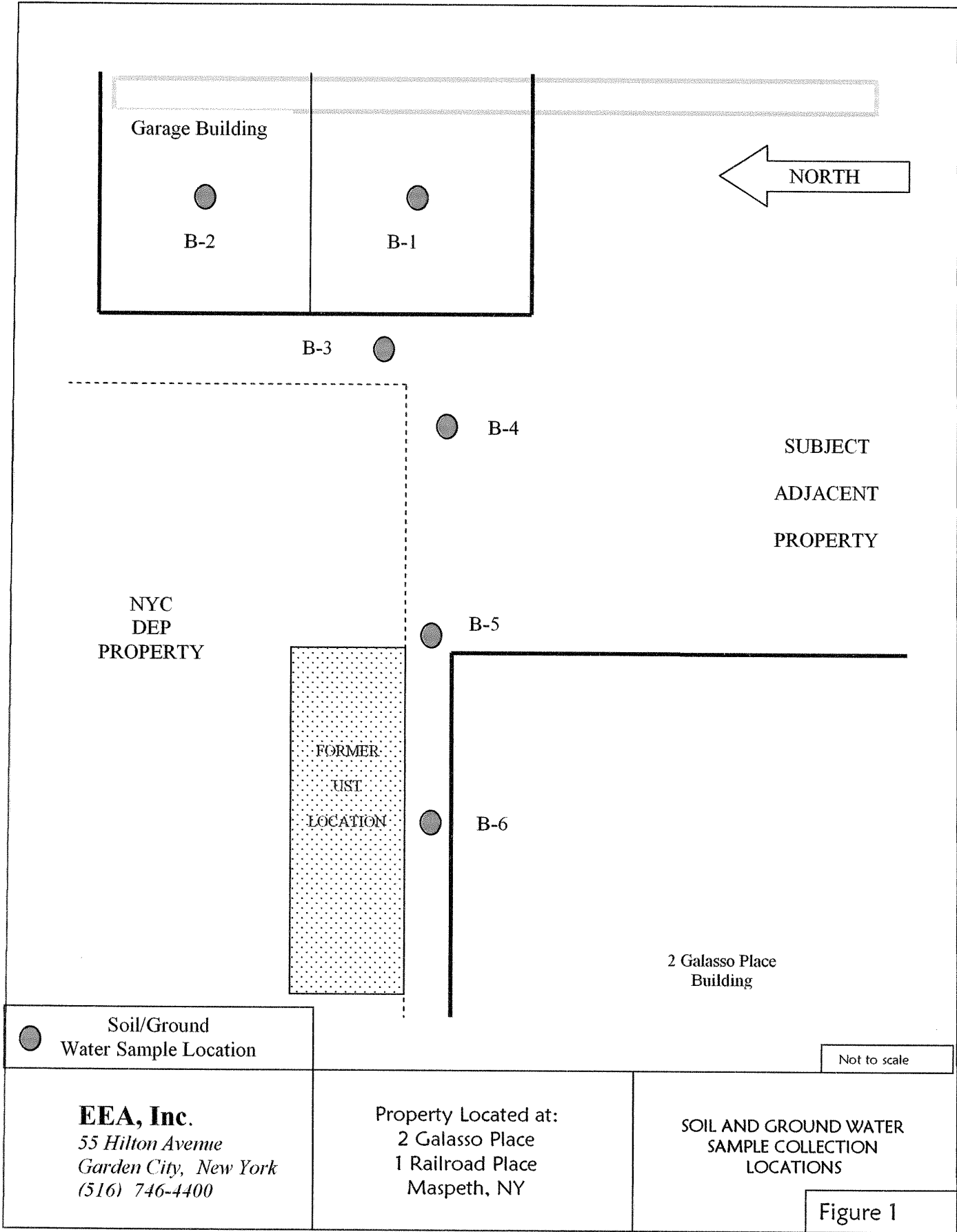
Approved By:

  
Robert Q. Bradley  
Managing Director

Date: 3/21/2005

**YORK**

# **ATTACHMENT 2**



● Soil/Ground Water Sample Location

Not to scale

**EEA, Inc.**  
 55 Hilton Avenue  
 Garden City, New York  
 (516) 746-4400

Property Located at:  
 2 Galasso Place  
 1 Railroad Place  
 Maspeth, NY

SOIL AND GROUND WATER  
 SAMPLE COLLECTION  
 LOCATIONS

Figure 1

**Table 1**  
**Soil Samples Volatile Organic Analytical Results**

**LOCATION**

Sample Identification	B-1 10ft	B-2 10ft	B-3 10ft	NYSDEC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8(b) Brownfield Residential Soil Cleanup Objectives
Boring Number	B-1	B-2	B-3		
Sample Depth	10 feet	10 feet	10 feet		
Sample Date	1/29/2010	1/29/2010	1/29/2010		
Sample Matrix	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg		
<b>Volatile Organic Compounds (µg/kg) - EPA Method 8260</b>					
Benzene	<11	<10	< 11	60	2,900
n-Butylbenzene	<11	<10	<11	10,000	100,000
sec-Butylbenzene	<11	<10	<11	10,000	100,000
tert-Butylbenzene	<11	<10	<11	10,000	100,000
Ethylbenzene	<11	<10	<11	5,500	30,000
Isopropylbenzene	<11	<10	<11	2,300	NG
p-Isopropyltoluene	<11	<10	<11	10,000	NG
Naphthalene	<11	<10	<11	13,000	100,000
n-Propylbenzene	<11	<10	<11	3,700	100,000
Toluene	<11	<10	<11	1,500	100,000
1,2,4-Trimethylbenzene	<11	<10	<11	10,000	NG
1,3,5-Trimethylbenzene	<11	<10	<11	3,300	NG
o-Xylene	<11	<10	<11	1,200	100,000
p- & m-Xylenes	<22	<21	<21	1,200	1,600
MTBE	<11	<10	<11	120	6,200

NS : No Standard

ug/kg...micrograms per kilogram



**Table 2**  
**Soil Samples Semi-Volatile Organic Analytical Results**  
**LOCATION**

Sample Identification	B-4 Loft	B-5 Loft	B-6 Loft	NYSDEC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375- 6.8(b) Brownfield Residential Soil Cleanup Objectives
Boring Number	B-4	B-5	B-6		
Sample Depth	10 feet	10 feet	10 feet		
Sample Date	2/4/2010	2/4/2010	2/4/2010		
Sample Matrix	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg		
<b>Semi-Volatile Organic Compounds (ug/kg) - EPA Method 8270</b>					
Acenaphthene	<4070	<3920	<4010	50,000	100,000
Acenaphthylene	<4070	<3920	<4010	41,000	100,000
Anthracene	1200	<3920	<4010	50,000	100,000
Benzo (a) anthracene	2590	<3920	<4010	224	1,000
Benzo (b) fluoranthene	2300	<3920	<4010	1,100	1,000
Benzo (k) fluoranthene	2110	<3920	<4010	1,100	1,000
Benzo (g,h,i) perylene	<4070	<3920	<4010	50,000	100,000
Benzo (a) pyrene	2020	<3920	<4010	61	1,000
Chrysene	2710	<3920	<4010	400	1,000
Dibenz (a,h) anthracene	<4070	<3920	<4010	14	330
Fluoranthene	5010	<3920	<4010	50,000	100,000
Fluorene	1780	<3920	<4010	50,000	100,000
Indeno (1,2,3-cd) pyrene	<4070	<3920	<4010	3,200	500
Naphthalene	<4070	<3920	<4010	13,000	100,000
Phenanthrene	4880	<3920	<4010	50,000	100,000
Pyrene	4750	<3920	<4010	50,000	100,000

NS : No Standard

ug/kg...micrograms per kilogram

Shaded values represents concentration exceeding NYSDEC TAGM 4046 soil cleanup guidelines and Brownfield Residential SCO

Shaded values represents Report Limit concentration exceeding NYSDEC TAGM 4046 soil cleanup guidelines and Brownfield Residential SCO

**Table 2**  
**Soil Samples Semi-Volatile Organic Analytical Results**  
**LOCATION**

Sample Identification	B-1 10ft	B-2 10ft	B-3 10ft	NYSDEC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8(b) Brownfield Residential Soil Cleanup Objectives
Boring Number	B-1	B-2	B-3		
Sample Depth	10 feet	10 feet	10 feet		
Sample Date	1/29/2010	1/29/2010	1/29/2010		
Sample Matrix	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg		
<b>Semi-Volatile Organic Compounds (ug/kg) - EPA Method 8270</b>					
Acenaphthene	<358	<345	231	50,000	100,000
Acenaphthylene	115	<345	163	41,000	100,000
Anthracene	596	603	802	50,000	100,000
<b>Benzo (a) anthracene</b>	<b>1790</b>	<b>1620</b>	<b>2550</b>	224	1,000
<b>Benzo (b) fluoranthene</b>	<b>1600</b>	<b>1310</b>	<b>2440</b>	1,100	1,000
<b>Benzo (k) fluoranthene</b>	<b>1730</b>	<b>1230</b>	<b>1920</b>	1,100	1,000
Benzo (g,h,i) perylene	974	855	1610	50,000	100,000
<b>Benzo (a) pyrene</b>	<b>1740</b>	<b>1380</b>	<b>2500</b>	61	1,000
<b>Chrysene</b>	<b>1860</b>	<b>1560</b>	<b>2650</b>	400	1,000
<b>Dibenz (a,h) anthracene</b>	<b>391</b>	<b>111</b>	<b>580</b>	14	330
Fluoranthene	3400	2940	4480	50,000	100,000
Fluorene	184	224	300	50,000	100,000
<b>Indeno (1,2,3-cd) pyrene</b>	<b>865</b>	<b>842</b>	<b>1430</b>	3,200	500
Naphthalene	<358	<345	<352	13,000	100,000
Phenanthrene	2070	1970	2920	50,000	100,000
Pyrene	2820	2270	4030	50,000	100,000

NS : No Standard

ug/kg...micrograms per kilogram

*Shaded values represents concentration exceeding NYSDEC TAGM 4046 soil cleanup guidelines as well as Brownfield Residential SCO*  
*Shaded values represents concentration exceeding Brownfield Residential SCO but below NYSDEC TAGM 4046 soil cleanup guidelines*

**Table 1**  
**Soil Samples Volatile Organic Analytical Results**  
**LOCATION**

Sample Identification	B-4 Loft	B-5 Loft	B-6 Loft	NYSDEC TAGM #4046 Recommended Soil Cleanup Objectives	6 NYCRR Part 375-6.8(b) Brownfield Residential Soil Cleanup Objectives
Boring Number	B-4	B-5	B-6		
Sample Depth	10 feet	10 feet	10 feet		
Sample Date	2/4/2010	2/4/2010	2/4/2010		
Sample Matrix	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg		
<b>Volatile Organic Compounds (µg/kg) - EPA Method 8260</b>					
Benzene	<12	3.4	<60	60	2,900
n-Butylbenzene	<12	29	<60	10,000	100,000
sec-Butylbenzene	<12	40	35	10,000	100,000
tert-Butylbenzene	<12	15	49	10,000	100,000
Ethylbenzene	<12	<12	<60	5,500	30,000
Isopropylbenzene	<12	11	<60	2,300	NG
p-Isopropyltoluene	<12	3.1	<60	10,000	NG
Naphthalene	4.9	23	42	13,000	100,000
n-Propylbenzene	2.5	12	<60	3,700	100,000
Toluene	<12	3.7	<60	1,500	100,000
1,2,4-Trimethylbenzene	<12	7.7	12	10,000	NG
1,3,5-Trimethylbenzene	<12	<12	<60	3,300	NG
o-Xylene	<12	4.1	<60	1,200	100,000
p- & m-Xylenes	4.0	5.3	<120	1,200	1,600
MTBE	<12	<12	<60	120	6,200

NS : No Standard

ug/kg...micrograms per kilogram

**Table X  
Water Samples Volatile Organic Analytical Results**

Sample Identification	LOCATION			NYSDEC TOGS 1.1.1 Groundwater Quality Standards
	B-1 GW	B-2 GW	B-3 GW	
Boring Number	B-1 GW	B-2 GW	B-3 GW	
Sample Date	1/29/2010	1/29/2010	1/29/2010	
Sample Matrix	Water	Water	Water	
Units	ug/L	ug/L	ug/L	
<b>Volatile Organic Compounds (ug/kg) - EPA Method 8260</b>				
Benzene	< 5	< 5	< 5	1
n-Butylbenzene	< 5	< 5	< 5	5
sec-Butylbenzene	< 5	< 5	< 5	5
tert-Butylbenzene	< 5	< 5	< 5	5
Ethylbenzene	< 5	< 5	< 5	5
Isopropylbenzene	< 5	< 5	< 5	5
p-Isopropyltoluene	< 5	< 5	< 5	5
Naphthalene	< 5	< 5	< 5	10
n-Propylbenzene	< 5	< 5	< 5	5
Toluene	< 5	< 5	< 5	5
1,2,4-Trimethylbenzene	< 5	< 5	< 5	5
1,3,5-Trimethylbenzene	< 5	< 5	< 5	5
o-Xylene	< 5	< 5	< 5	5
p- & m-Xylenes	< 10	< 10	< 10	5
MTBE	1.24	< 5	< 5	5

ug/L...micrograms per liter

NS... No Standards

Shaded values represent Report Limit concentration exceeding NYSDEC TOGS 1.1.1 Groundwater Quality Standards

Table X  
Water Samples Semi-Volatile Organic Analytical Results  
LOCATION

Sample Identification	B-1 GW	B-2 GW	B-3 GW	NYSDEC TOGS 1.1.1 Groundwater Quality Standards
Boring Number	B-1 GW	B-2 GW	B-3 GW	
Sample Date	1/29/2010	1/29/2010	1/29/2010	
Sample Matrix	Water	Water	Water	
Units	ug/L	ug/L	ug/L	
<b>Semi-Volatile Organic Compounds (µg/kg) - EPA Method 8270</b>				
Acenaphthene	<26.3	<6.25	<5.26	20
Acenaphthylene	<26.3	<6.25	<5.26	NS
Anthracene	<26.3	<6.25	<5.26	50
Benzo(a)anthracene	<26.3	<6.25	<5.26	NS
Benzo(b)fluoranthene	<26.3	<6.25	<5.26	0.002
Benzo(k)fluoranthene	<26.3	<6.25	<5.26	0.002
Benzo(g,h,i)perylene	<26.3	<6.25	<5.26	NS
Benzo(a)pyrene	<26.3	<6.25	<5.26	NS
Chrysene	<26.3	<6.25	<5.26	0.002
Dibenzo(a,h)anthracene	<26.3	<6.25	<5.26	NS
Fluoranthene	<26.3	<6.25	<5.26	50
Fluorene	<26.3	<6.25	<5.26	50
Indeno(1,2,3-cd)pyrene	<26.3	<6.25	<5.26	0.002
Naphthalene	<26.3	<6.25	<5.26	10
Phenanthrene	<26.3	<6.25	<5.26	50
Pyrene	<26.3	<6.25	<5.26	50

ug/L...micrograms per liter

NS... No Standards

Shaded values represent Report Limit concentration exceeding NYSDEC TOGS 1.1.1 Groundwater Quality Standards

**Table X**  
**Water Samples Volatile Organic Analytical Results**

**LOCATION**

Sample Identification	B-4 W	B-5 W	B-6 W	NYSDEC TOGS 1.1.1 Groundwater Quality Standards
Boring Number	B-4 W	B-5 W	B-6 W	
Sample Date	2/4/2010	2/4/2010	2/4/2010	
Sample Matrix	Water	Water	Water	
Units	ug/L	ug/L	ug/L	
<b>Volatile Organic Compounds (ug/kg) - EPA Method 8260</b>				
<b>Benzene</b>	15.2	0.99	< 5	1
<b>n-Butylbenzene</b>	8.48	5.23	< 5	5
<b>sec-Butylbenzene</b>	11.9	6.96	3.93	5
tert-Butylbenzene	1.08	1.43	< 5	5
<b>Ethylbenzene</b>	13.8	<5	< 5	5
<b>Isopropylbenzene</b>	13.3	8.73	3.83	5
p-Isopropyltoluene	2.82	0.83	< 5	5
<b>Naphthalene</b>	53.1	16.0	2.17	10
<b>n-Propylbenzene</b>	15.0	10.8	5.06	5
Toluene	2.37	<5	< 5	5
<b>1,2,4-Trimethylbenzene</b>	34.2	22.8	1.88	5
<b>1,3,5-Trimethylbenzene</b>	7.08	4.69	< 5	5
<b>o-Xylene</b>	15.2	1.06	< 5	5
<b>p- &amp; m-Xylenes</b>	21.8	1.72	< 10	5
MTBE	<5	<5	< 5	5

ug/L...micrograms per liter

NS... No Standards

*Shaded values represent concentration exceeding NYSDEC TOGS 1.1.1 Groundwater Quality Standards*

*Shaded values represent Report Limit concentration exceeding NYSDEC TOGS 1.1.1 Groundwater Quality Standards*

Table X  
**Water Samples Semi-Volatile Organic Analytical Results**  
 LOCATION

Sample Identification	B-4 W	B-5 W	B-6 W	NYSDEC TOGS 1.1.1 Groundwater Quality Standards
Boring Number	B-4 W	B-5 W	B-6 W	
Sample Date	2/4/2010	2/4/2010	2/4/2010	
Sample Matrix	Water	Water	Water	
Units	ug/L	ug/L	ug/L	
<b>Semi-Volatile Organic Compounds (ug/kg) - EPA Method 8270</b>				
Acenaphthene	<5.26	<5.56	<5.41	20
Acenaphthylene	<5.26	<5.56	<5.41	NS
Anthracene	<5.26	<5.56	<5.41	50
Benzo(a)anthracene	<5.26	<5.56	7.02	NS
Benzo(b)fluoranthene	<5.26	<5.56	<5.41	0.002
Benzo(k)fluoranthene	<5.26	<5.56	<5.41	0.002
Benzo(g,h,i)perylene	<5.26	<5.56	<5.41	NS
Benzo(a)pyrene	<5.26	<5.56	<5.41	NS
Chrysene	<5.26	<5.56	6.63	0.002
Dibenzo(a,h)anthracene	<5.26	<5.56	<5.41	NS
Fluoranthene	<5.26	<5.56	8.58	50
Fluorene	3.61	<5.56	<5.41	50
Indeno(1,2,3-cd)pyrene	<5.26	<5.56	<5.41	0.002
Naphthalene	<5.26	<5.56	<5.41	10
Phenanthrene	6.49	<5.56	<5.41	50
Pyrene	<5.26	<5.56	10.0	50

ug/L...micrograms per liter

NS... No Standards

Shaded values represent Report Limit concentration exceeding NYSDEC TOGS 1.1.1 Groundwater Quality Standards

# **ATTACHMENT 3**





**NEW YORK STATE  
DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION**

## Spill Incidents Database Search Details

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### Spill Record

#### Administrative Information

**DEC Region:** 2

**Spill Number:** 9209704

#### Spill Date/Time

**Spill Date:** 11/19/1992 **Spill Time:** 12:00:00 PM

**Call Received Date:** 11/19/1992 **Call Received Time:** 04:40:00 PM

#### Location

**Spill Name:** 57-15 49TH STREET

**Address:** 57-15 49TH STREET

**City:** QUEENS **County:** QUEENS

#### Spill Description

**Material Spilled** **Amount Spilled** **Resource Affected**

#2 Fuel Oil            UNKNOWN    Soil

**Cause:** Tank Failure

**Source:** Commercial/Industrial

**Waterbody:**

## **Record Close**

**Date Spill Closed:** 06/18/2004

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

[Refine Current Search](#)

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**NEW YORK STATE  
DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION**

# Spill Incidents Database Search Details

---

## Spill Record

### Administrative Information

**DEC Region:** 2

**Spill Number:** 9804647

### Spill Date/Time

**Spill Date:** 07/06/1998 **Spill Time:** 12:00:00 PM

**Call Received Date:** 07/14/1998 **Call Received Time:** 10:04:00 AM

### Location

**Spill Name:** 57-15 49TH ST

**Address:** 57-15 49TH ST

**City:** MASPETH **County:** QUEENS

### Spill Description

Material Spilled	Amount Spilled	Resource Affected
UNKNOWN PETROLEUM	UNKNOWN	Soil

**Cause:** Unknown

**Source:** Unknown

**Waterbody:**

## **Record Close**

**Date Spill Closed:** 06/18/2004

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

[Refine Current Search](#)

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NEW YORK STATE  
DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION

## Spill Incidents Database Search Details

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### Spill Record

#### Administrative Information

DEC Region: 2

Spill Number: 0313650

#### Spill Date/Time

Spill Date: 03/12/2004 Spill Time: 02:45:00 PM

Call Received Date: 03/12/2004 Call Received Time: 03:01:00 PM

#### Location

Spill Name: NYC ERP SITE

Address: 57-15 49TH ST

City: MASPETH County: QUEENS

#### Spill Description

Material Spilled	Amount Spilled	Resource Affected
------------------	----------------	-------------------

Waste Oil/Used Oil	UNKNOWN	Soil
--------------------	---------	------

#2 Fuel Oil	UNKNOWN	Soil
-------------	---------	------

**Cause:** Other  
**Source:** Unknown  
**Waterbody:**  
**PBS #:** 2-610335

## **Record Close**

**Date Spill Closed:** 03/28/2011

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

[Refine Current Search](#)

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# Bulk Storage Database Search Details

## Facility Information

**Site No.:** 2-610335  
**Status:** Unregulated  
**Expiration Date:** 07/20/2009  
**Site Type:** PBS  
**Site Name:** MASPETH  
**Address:** 57-15 49TH STREET  
**Locality:** MASPETH  
**State:** NY  
**Zipcode:** 11378  
**County:** QUEENS

## Owner(s) Information

**Owner:** NYC DEPT. OF ENVIRONMENTAL PROTECTION  
 59-17 JUNCTION BLVD . FLUSHING, NY. 11373  
**Mail Contact:** NYC DEPT. OF ENVIRONMENTAL PROTECTION  
 59-17 JUNCTION BOULEVARD . FLUSHING, NY. 11373

## Tank Information

### 1 Tanks Found

Tank No	Tank Location	Status	Capacity (Gal.)
001	Underground	Closed - Removed	20000

## Refine Current Search





NEW YORK STATE  
DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION

## Bulk Storage Database Search Details

### Tank Information

**Site No:** 2-610335  
**Site Name:** MASPETH  
**Tank No:** 001  
**Tank Location:** Underground  
**Tank Status:** Closed - Removed  
**Tank Install Date:**  
**Tank Closed Date:** 03/10/2008  
**Tank Capacity:** 20000 gal.  
**Product Stored:** #2 Fuel Oil  
**Percentage:** 100%  
**Tank Type:** 01 - Steel/Carbon Steel/Iron  
**Tank Internal Protection:** None  
**Tank External Protection:** Painted/Asphalt Coating  
**Tank External Protection:** Original Sacrificial Anode  
**Tank Secondary Containment:** None  
**Tank Leak Detection:** Groundwater Well  
**Overfill:** None  
**Spill Prevention:** None  
**Dispenser:** None  
**Pipe Location:** No Piping  
**Pipe Type:** Steel/Carbon Steel/Iron  
**Pipe External Protection:** Original Sacrificial Anode  
**Pipe External Protection:** Wrapped  
**Piping Secondary Containment:** None  
**Piping Leak Detection:** None  
**Tank Next Test Due:**  
**Tank Last Test:**  
**Tank Test Method:** Testing Not Required  
Refine Current Search

[Back to Facility Info](#)





NEW YORK STATE  
DEPARTMENT OF  
**ENVIRONMENTAL CONSERVATION**

## Spill Incidents Database Search Details

---

### Spill Record

#### Administrative Information

**DEC Region:** 2

**Spill Number:** 0801483

#### Spill Date/Time

**Spill Date:** 05/07/2008 **Spill Time:** 01:49:00 PM

**Call Received Date:** 05/07/2008 **Call Received Time:** 01:49:00 PM

#### Location

**Spill Name:** CONTAM. ADJ. TO NYC ERP SITE

**Address:** 2 GALASSO PLACE / 1 RAILROAD PLACE

**City:** MASPETH **County:** QUEENS

#### Spill Description

**Material Spilled** **Amount Spilled** **Resource Affected**

#2 Fuel Oil            UNKNOWN    Soil

**Cause:** Other

**Source:** Commercial/Industrial

**Waterbody:**

## **Record Close**

**Date Spill Closed:** 11/17/2011

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

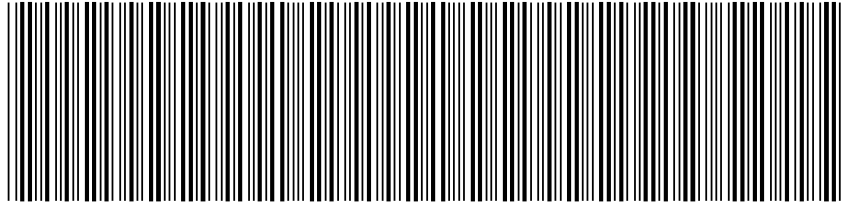
[Refine Current Search](#)

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# **ATTACHMENT 4**

**NYC DEPARTMENT OF FINANCE  
OFFICE OF THE CITY REGISTER**

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.



2010012601206001001EC7F9

**RECORDING AND ENDORSEMENT COVER PAGE**

**PAGE 1 OF 5**

**Document ID: 2010012601206001** Document Date: 11-23-1994 Preparation Date: 01-26-2010  
Document Type: COURT ORDER  
Document Page Count: 4

<p><b>PRESENTER:</b> NYC LAW DEPARTMENT 100 CHURCH STREET NEW YORK, NY 10007 212-788-0803 adjackso@law.nyc.gov</p>	<p><b>RETURN TO:</b> NYC LAW DEPARTMENT 100 CHURCH STREET TAX &amp; BANKRUPTCY UNIT NEW YORK, NY 10007 212-788-0803 adjackso@law.nyc.gov</p>
--	--

<b>PROPERTY DATA</b>			
<b>Borough</b>	<b>Block</b>	<b>Lot</b>	<b>Unit Address</b>
QUEENS	2575	26 Entire Lot	N/A 49TH STREET
<b>Property Type: OTHER</b>			

**CROSS REFERENCE DATA**


CRFN \_\_\_\_\_ or Document ID \_\_\_\_\_ or \_\_\_\_\_ Year \_\_\_\_\_ Reel \_\_\_\_\_ Page \_\_\_\_\_ or File Number \_\_\_\_\_

<b>PARTIES</b>	
<p><b>PARTY 1/GRANTOR:</b> CITY OF NEW YORK 100 CHURCH STREET NEW YORK, NY 10007</p>	<p><b>PARTY 2/GRANTEE:</b> CITY OF NEW YORK 59-17 JUNCTION BLVD, C/O DEPT OF ENVIRONMENTAL PROTECTION FLUSHING, NY 11373</p>

<b>FEEES AND TAXES</b>			
<b>Mortgage</b>		Filing Fee:	
Mortgage Amount:	\$ 0.00	\$	0.00
Taxable Mortgage Amount:	\$ 0.00	NYC Real Property Transfer Tax:	
Exemption:		\$	0.00
<b>TAXES:</b> County (Basic):	\$ 0.00	NYS Real Estate Transfer Tax:	
City (Additional):	\$ 0.00	\$	0.00
Spec (Additional):	\$ 0.00		
TASF:	\$ 0.00		
MTA:	\$ 0.00		
NYCTA:	\$ 0.00		
Additional MRT:	\$ 0.00		
<b>TOTAL:</b>	\$ 0.00		
Recording Fee:	\$ EXEMPT		
Affidavit Fee:	\$ 0.00		

**RECORDED OR FILED IN THE OFFICE  
OF THE CITY REGISTER OF THE  
CITY OF NEW YORK**

Recorded/Filed 02-04-2010 17:02  
City Register File No.(CRFN):  
**2010000041999**



*Annette McMill*  
**City Register Official Signature**

At IA Part 8, of the Supreme Court of the State of New York, held in and for the County of Queens, located at 88-11 Sutphin Boulevard, in the Borough of Queens, City and State of New York on the 23<sup>rd</sup> day of November, 1994.

P R E S E N T: *Edwin Kassoff*

HON.

Justice.

-----x

In the Matter of Application of the CITY OF NEW YORK, relative to acquiring title in fee simple absolute to certain real property where not heretofore acquired for

O R D E R

Index No. 22912/94

**BARNWELL AVENUE  
REPLACEMENT SITE - 49TH STREET  
(Department of Environmental Protection)**

located at 49th Street and 57th Avenue, in the Borough of Queens, City and State of New York.

-----x

Petitioner, the City of New York, having applied to this Court for an order to condemn certain real property, where not heretofore acquired for the same purpose, required as a site for the **BARNWELL AVENUE SITE 49TH STREET**, in the Borough of Queens, City and State of New York, and to have the compensation which should be made to the respective owners of, or persons interested in the property ascertained and determined by this Court without a jury, in accordance with the approval of acquisition signed by the Deputy Mayor on July 22, 1992 (Certificate No. CBX-7922), and said

application having come on to be heard before me on the 23rd day of  
November, 1994, and PAUL A. CROTTY, Corporation Counsel (by  
Theodore Zimmerman, Assistant Corporation Counsel), having appeared  
in support of said application; and

*No One*

having appeared in opposition thereto,

N O W, on reading and filing the Petition of the City of  
New York, verified the 7th day of November, 1994, the Notice of  
Application to Condemn, dated the 1st day of November, 1994, the  
affidavit of Pauline Jones, sworn to the 2nd day of November,  
1994, showing the due mailing of copies of said Notice of  
Application to Condemn and the Petition together with the relevant  
portion of the acquisition map to the last known owners and  
taxpayers of record of the property to be acquired; the affidavit  
of VIRGINIA BULL, sworn to on the 22nd day of November, 1994,  
showing due publication of said Notice of Application to Condemn in  
at least ten successive issues of The City Record, an official  
newspaper printed and published in the City of New York; and the  
affidavit of FRANK ENGORON, sworn to the 17th day of  
November, 1994, showing the posting of said Notice of Application  
to Condemn in the form of handbills upon or near the property to be  
condemned,

N O W, on motion of PAUL A. CROTTY, Corporation Counsel  
of the City of New York, it is

ORDERED, that the Petition be, and the same hereby is  
granted in all respects, and it is further



ORDERED, that the petitioner is authorized to file the acquisition map in the office of the Clerk of the County of Queens, or in the office of the City Register and it is further

ORDERED, that upon filing of this Order and the acquisition map with said County Clerk or with the City Register, title to the property shown on said map shall vest in the City of New York, and it is further

ORDERED, that the compensation which should be made to the owners of the property sought to be acquired in this proceeding be ascertained and determined by this Court without a jury, and it is further

ORDERED, that within thirty days after title vesting, petitioner shall cause a notice of acquisition to be published in at least ten successive issues of The City Record, an official newspaper published in the City of New York, and shall serve a copy of such notice by first class mail on each condemnee or his, her, or its attorney of record, and it is further

ORDERED, that each condemnee shall have a period of ninety (90) days from the date of mailing of the notice in which to file a written claim, demand or notice of appearance with the Clerk of this court and to serve a copy of the same upon PAUL A. CROTTY, Corporation Counsel of the City of New York, 100 Church Street, Room 5D-1, New York, New York, 10007.

*Josée D'Amico*  
CLERK

E N T E R

*[Signature]*  
J. S. C.  
Hon. *Edwin Kassoff*

Index No. 22912/94

SUPREME COURT OF THE STATE OF NEW YORK  
COUNTY OF QUEENS : IA PART 8

In the Matter of Application of the CITY OF NEW YORK,  
relative to acquiring title in fee simple absolute to certain real  
property where not heretofore acquired for

BARNWELL AVENUE  
REPLACEMENT SITE - 49TH STREET  
(Department of Environmental Protection)

located at 49th Street and 57th Avenue, in the Borough of  
Queens, City and State of New York.

ORDER

**PAUL A. CROTTY**  
*Corporation Counsel of the City of New York*  
*Attorney for The City of New York*  
*100 Church Street - Room 5D9*  
*New York, N.Y. 10007*

*Of Counsel: Theodore Zimmerman*  
*Tel: (212) 788-0704*  
*NYCLIS No.*

*Due and timely service is hereby admitted.*

*New York, N.Y. . . . ., 199 . . . .*

*. . . . . Esq.*

*Attorney for . . . . .*

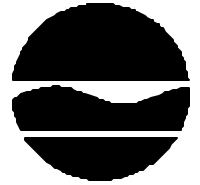
**New York State Department of Environmental Conservation  
Division of Environmental Remediation**

**Remedial Bureau B**

625 Broadway, Albany, New York 12233-7016

**Phone:** (518) 402-9768 • **FAX:** (518) 402-9020

**Website:** www.dec.state.ny.us



Denise M. Sheehan  
Commissioner

January 13, 2006

Mr. Innocent Taziva  
NYC Department of Environmental Protection  
59-17 Junction Blvd.  
17th Floor  
Flushing, New York 11373

RE: Interim Remedial Measure (IRM); Maspeth  
Railroad Place Site (ID No. B00152-2)

Dear Mr. Taziva

As we have discussed, the Final Remedial Investigation (RI) report makes it clear that the abandoned 20,000 gallon underground storage tank located in the southwestern portion of the property is one of the more significant environmental concerns at the site, and as such, it would be beneficial to address the problem through the implementation of an IRM rather than waiting for the issuance of a Proposed Plan and Record of Decision addressing the entirety of the site. While the primary reason any IRM is the efficient removal of a contaminant source, this IRM may yield an added benefit by further defining the extent of petroleum contamination should a full removal prove unfeasible in the field.

Please prepare a work plan detailing all aspects of the tank excavation, as well as the removal of any grossly contaminated soils encountered. Please be sure to include a discussion of the waste sampling/disposal plan within the submittal. The work plan should be submitted by February 24, 2006.

If you have any questions, please contact me at (518) 402-9694. Thank you.

Sincerely,

Handwritten signature of Jonathan Greco.

Jonathan Greco

EC: J. Quinn  
G. Laccetti