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SUPPLEMENTAL PHASE II ENVIRONMENTAL SITE ASSESSMENT

Rego Z Property — Tax Blocks 2076 and 2077
Rego Park, New York

Prepared for

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1.0 INTRODUCTION

On behalf of Alexander's of Rego Park III, Inc., Roux Associates, Inc. (Roux Associates) has completed the Supplemental Phase II Environmental Site Assessment (ESA) for the property at Tax Blocks 2076 and 2077 in Rego Park, New York (Site). The Site is commonly referred to as the "Rego Z Property". The location of the Site is shown on Figure 1 and the limits of the Rego Z Property are shown in Figure 2. The Supplemental Phase II ESA was performed to investigate the environmental quality of the Site and to follow up on previous investigations and findings presented in the September 7, 1994 "Evaluation of Existing Parking Lot Fill" report prepared by Langan Engineering and Environmental Services, P.C. (Langan), the May 27, 2003 "Phase I Environmental Site Assessment," prepared by AKRF, the September 26, 2003 "Foundation Budget Cost estimate" prepared by Langan, and the March 5, 2004 "Phase II Environmental Site Assessment" prepared by Roux Associates in order to provide information to assist in future redevelopment scenarios.

The Supplemental Phase II ESA was designed to fill in data gaps by sampling locations that were not covered in the 1994 and 2004 investigations to evaluate soil quality across the Site and identify if the anomaly identified in the 2004 geophysical survey may indicate the presence of two underground storage tanks (USTs) approximately 40 feet east of the former vehicular service station on Block 2076 Lot 50. The Phase II ESA objectives were as follows:

- Determine whether USTs are still installed adjacent to the former service station; and
- Evaluate volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals, polychlorinated biphenyl (PCB), pesticide, general chemistry, and Toxicity Characteristic Leachate Procedure (TCLP) metal concentrations in surficial fill at the Site.

To accomplish these objectives, the following tasks were performed:

- A total of eight soil borings were installed and sampled; and
- A test pit investigation was performed in the vicinity of a geophysical anomaly identified approximately 40 feet east of the former vehicular service station during the 2004 Phase II ESA.

The remainder of the report is organized into the following sections:

- Section 2.0: Background Information;
- Section 3.0: Phase II ESA Scope of Work;
- Section 4.0: Results of the Phase II ESA; and
- Section 5.0: Conclusions and Recommendations.

2.0 BACKGROUND INFORMATION

A description of the background information is provided below, which includes the Site setting, history, current use, and previous environmental investigation activities.

2.1 Site Description

The Site is located in the Rego Park section of Queens, New York (Figure 1). The Site is bordered to the north by Horace Harding Expressway, to the south and west by commercial properties and the New York City-owned Lost Battalion Park and to the east by Junction Boulevard (Figure 2). The property is currently utilized as a parking lot (tax block 2077, lot 98 and tax block 2076, lot 50) for the adjacent Rego Center Shopping Mall located just east of Junction Boulevard. Prior to its current use, tax block 2076 lot 50 and a portion of tax block 2077 lot 98 were formerly used for commercial truck parking and a vehicular service station. The remaining portion of tax block 2077 lot 98 was used for car parking.

2.2 Previous Environmental Investigations

The Evaluation of Existing Parking Lot Fill conducted by Langan in September 1994 included the installation and sampling of five soil borings on the Site as well as 66 borings on the former Alexander's property to the southeast (currently the Rego Center Shopping Mall). Total petroleum hydrocarbons (TPH) in excess of 1,000 parts per million (ppm) were found in all five borings on the Site. This concentration is a commonly used indicator of petroleum contamination but there is no New York State standard for TPH in soil. Toxicity Characteristic Leachate Procedure (TCLP) analyses were conducted for lead and lead was detected at concentrations above 5 milligrams per liter (mg/L) in soil from one boring on Site (P-67 [4-8 feet below land surface]). Soil with TCLP lead concentrations greater than 5 mg/L is considered hazardous and requires disposal at a higher unit rate than non-hazardous soil.

On the former Alexander's property immediately to the southeast, 148 soil samples were analyzed for TCLP lead from 66 borings and 24 samples or 16 percent were found to exceed 5 ppm. Over 40 percent of these samples exceeded 1,000 ppm of TPH. These results indicate widespread but random TPH and lead contamination in surficial fill material on the former Alexander's property.

A Phase I ESA completed by AKRF in May 2003 identified a former service station operation on the commercial truck parking lot portion of the Site as a potential area of concern. The report did not provide definitive information concerning whether USTs were still present at the Site. The Phase I identified truck maintenance activities as an additional source of potential contamination on this portion of the property.

A September 2003 report by Langan summarizing geotechnical borings at the truck parking area portion of the Site described strong hydrocarbon odors just above the water table in a number of borings, particularly those boreholes located near the former vehicular service station.

A Phase II ESA completed by Roux Associates in March 2004 included a geophysical investigation using ground penetrating radar (GPR), eight soil borings were installed and sampled, and groundwater samples were collected from two boreholes and three existing monitoring wells. The GPR survey identified two potential USTs approximately 40 feet east of the former service station as well as former conduits and underground utilities at the Site. One soil sample was collected from each borehole and analyzed for VOCs and TPH with no VOC detections above New York State Department of Environmental Conservation (NYSDEC) Recommended Soil Cleanup Objectives (RSCOs) and no TPH concentrations greater than 1,000 ppm. Twenty-four soil samples were collected and analyzed from eight boreholes with four samples exceeding the 500 milligrams per kilogram (mg/kg) NYSDEC RSCO for lead. Two of the samples with lead concentrations above 700 mg/kg were analyzed for TCLP lead and one of these was found to exceed 5 mg/L, the threshold above which lead is considered to be hazardous. These results indicated that the historic fill is the apparent source of the scattered elevated lead concentrations based on the random distribution of the lead detections and the lack of any known specific point source. Groundwater sampling for VOCs from five wells and/or borings detected no VOCs at concentrations above the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs). Groundwater sampling for lead in three wells detected elevated lead concentrations above the AWQSGV in two unfiltered samples; the filtered samples from these wells were below the AWQGSV. This indicates the lead is not dissolved or migrating in groundwater. The lead is the result of leaching from suspended fines (e.g., silt) in the turbid unfiltered samples.

In summary, groundwater contamination was not identified and lead soil contamination attributed to the random distribution of historic fill materials was identified in the 2004 Phase II ESA.

A summary of VOCs detected in soils from the March 2004 Phase II ESA is included in Table 1. Lead detected in soils from the March 2004 Phase II ESA is included in Table 3. TCLP lead detected in soils from the September 1994 Evaluation of Existing Parking Lot Fill and March 2004 Phase II ESA detected in soils is included in Table 6.

3.0 PHASE II ESA SCOPE OF WORK

The following section presents the Supplemental Phase II ESA scope of work conducted at the Site. The scope of work includes tasks presented in the December 20, 2011 Revised Proposal for Supplemental Phase II Environmental Site Assessment. The field scope of work included:

- Task 1: Test Pit Investigation For USTs; and
- Task 2: Installation and Sampling of Soil Borings.

A description of each field task conducted is presented below.

3.1 Task 1: Test Pit Investigation for USTs

A geophysical survey conducted during the March 2004 Phase II ESA identified an anomaly indicating the potential presence of two underground storage tanks (USTs) approximately 40 feet east of the former vehicular service station on block 2076 lot 50. On January 24, 2012 Metro Environmental, under the direction of Roux Associates, began test pitting activities using a backhoe in the vicinity of the former vehicular service station to evaluate this anomaly and to evaluate the former UST area just east of the anomaly to determine if the USTs and associated piping are still present.

Test pitting was begun approximately 40 feet east of the former vehicular service station at what was believed to be the northeast corner of the anomaly. The initial opening was one backhoe bucket wide (approximately 2 feet) and approximately 5 feet long. After the asphalt was removed and placed aside, excavation of the soil commenced. Water was observed running into the excavation from approximately 1 foot below land surface (bls) at the base of the gravel subgrade and miscellaneous debris consisting of auto parts, license plates, and oil filters was discovered. The test pitting was halted after only several buckets of material were removed. The perched water was filling up the excavation and dewatering would have been required to continue. PID readings ranged from 0.5 ppm-v (parts per million – volume) to 6.5 ppm-v and an odor was noted. There was no free product or sheen observed on the water in the excavation and therefore no spill notification was required. No samples were collected.

It is possible that there are no USTs in the geophysical anomaly area; rather the miscellaneous metallic debris caused the geophysical anomaly. However, this will need to be confirmed during additional test pitting/excavation activities.

The excavated material was used as temporary backfill and the area secured with reflective drums and caution tape. Metro Environmental returned two days later and removed the wet backfill material and containerized it for proper disposal. Crushed stone was placed in the excavation, compacted and an asphalt patch was placed over the top. Pending laboratory analysis the drums will be properly disposed of offsite.

The other scheduled test pitting around the former UST area was postponed due to the suspected perched water conditions in this area, as it is only approximately 20 feet east of the geophysical anomaly area. Without significant dewatering activities, nothing in the test pit below one foot depth would have been visible. The status of the former UST area will need to be evaluated during additional test pitting/excavation activities.

3.2 Task 2: Soil Boring and Sampling

A total of eight soil borings (RA-9 through RA-16) were sampled from land surface to the water table (see Figure 2). The depth to the water table ranges from 11 feet to 15 feet bls at the Site as observed from soil cores. Each soil boring location was pre-cleared for utilities down to 5 feet bls. At two of the pre-cleared locations, there was water infiltration at approximately 1 foot bls: RA-14, which was located on permeable soil, and RA-13, where water appeared to be infiltrating under the asphalt layer. The borings were advanced using the Geoprobe™ method. Soil samples were collected in five-foot increments using a drive-point macro-core sampling device, containing a disposable acetate liner. Soil samples shallower than 5 feet bls were collected from the respective two foot depth interval from the preserved pre-cleared soil cuttings. The macro-core sampler was driven to the desired depth and then retracted and the disposable liner removed. The liner was then cut open and the soils removed. Each sample was inspected for impacts (e.g., odors, staining, and separate-phase product). A portion of each sample was placed in a Ziploc™ bag and screened in the field for VOCs using a photoionization detector (PID). The lithology of each sample was described, and recorded in the field notebook.

One sample was collected from each soil boring location from the two-foot interval that exhibited the highest degree of impact or, if no visible impacts or PID readings were identified, from a depth interval containing non-native fill materials. Each sample was analyzed for NY State Part 375 List VOCs, SVOCs, metals, polychlorinated biphenyls (PCBs), pesticides, and TCLP metals. A summary of VOCs detected in soils is included in Table 1, SVOCs detected in soils is included in Table 2, metals detected in soils is included in Table 3, PCBs detected in soils is included in Table 4, pesticides detected in soils is included in Table 5, and TCLP metals detected in soils is included in Table 6. Laboratory data sheets for all soil samples are presented in Appendix A.

After the completion of each soil boring, the borings were backfilled with the soil cuttings and capped with asphalt patch.

In general, the soil borings were characterized by non-native fill material containing dark brown to gray fine to coarse sand and gravel with some silt, brick, glass, and wood fragments. Fill material was identified down to the bottom of all the soil borings (15 feet bls). There were no petroleum impacts identified in the soil borings and little to no VOCs identified via PID screening with concentrations ranging from 0.0 ppm to 45.2 ppm with exception to one depth interval (RA-14 12-13 feet bls) that contained chemically treated wood with a PID reading of 406 ppm. Therefore, all sample results are representative of the fill material. Soil boring logs are provided in Appendix B.

Groundwater was identified at 11 to 15 feet bls, consistent with the previous Phase II ESA conducted in 2004. Since no petroleum impacts were noted at the groundwater table and no groundwater impacts were noted in any of the soil borings, no groundwater samples were collected during the Supplemental Phase II ESA.

4.0 RESULTS OF THE SUPPLEMENTAL PHASE II ESA

The purpose of this section is to provide the results of the Supplemental Phase II ESA, including a discussion of the soil characterization and a comparison of the impacts identified during the Phase II ESA relative to the appropriate regulatory standards, criteria, and guidelines.

4.1 Soil Quality

A total of eight soil samples (one from each boring) were collected and submitted for laboratory analysis at the Site to evaluate metals (notably lead), VOCs, SVOCs, pesticides, PCBs, and TCLP metals. At each boring location, one soil sample was collected from the two-foot interval with the greatest visible impact or, if no visible impacts or PID readings were identified, from a depth interval containing non-native fill materials

4.1.1 VOCs in Soil

All eight soil samples showed detections of one or more VOCs, but no detection was above the NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (SCOs). The VOCs identified at low level concentrations were generally petroleum related (i.e., benzene, toluene, xylenes), with the exception of two common laboratory contaminants, acetone and 2-butanone. Total VOC concentrations in soil at the Site range from 24 to 299.2 micrograms per kilogram (µg/kg).

4.1.2 SVOCs in Soil

Seven soil samples showed detections of one or more SVOCs, but no detections were above their NYSDEC Part 375 Restricted Commercial SCOs. The SVOCs detected were generally polycyclic aromatic hydrocarbons (PAHs) indicative of urban fill materials (i.e., benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, fluoranthene, pyrene, phenanthrene, etc.) and not indicative of a petroleum spill.

4.1.3 Metals and TCLP Metals in Soil

All eight soil samples showed detections of one or more metal, with two exceedances of the NYSDEC Part 375 Restricted Commercial SCO for barium (400 mg/kg) at RA-9 (2,300 mg/kg) and RA-15 (967 mg/kg), one exceedance of the NYSDEC Part 375 Restricted Commercial SCO for copper (270 mg/kg) at RA-12 (388 mg/kg), and two exceedances of the NYSDEC Part 375

Restricted Commercial SCO for lead (1,000 mg/kg) at RA-9 (2,640 mg/kg) and RA-15 (1,720 mg/kg).

TCLP metals analyses were conducted on all eight samples. Two of the eight samples (RA-9 and RA-16) exceeded the USEPA Regulatory levels of 5 mg/L for lead, and therefore soils from these borings would require disposal as hazardous waste upon excavation.

Figure 3 presents the exceedances of NYSDEC Part 375 Restricted Commercial SCOs and USEPA Regulatory levels for all soil samples collected during the Supplemental Phase II ESA and from prior historic investigations.

There are no known past or present onsite sources of lead that are responsible for the scattered exceedances. The distribution of lead in soils at the Site is random and appears to be related to the historic fill materials found in the upper 15 feet across the Site. The appropriate regulatory response to these results is discussed in Section 5: Conclusions and Recommendations.

4.1.4 PCBs in Soil

Only one soil boring, RA-13, showed a detection for Aroclor-1260 of 140 micrograms per kilogram (µg/kg), which is well below the NYSDEC Part 375 Restricted Commercial SCO of 1,000 µg/kg for total PCBs. The remaining soil borings were undetected for all Aroclors.

4.1.5 Pesticides in Soil

Only one soil boring, RA-12, showed detections for one or more pesticides (4,4'-DDD, 4,4'-DDE, and 4,4'-DDT), but no detection was above the NYSDEC Part 375 Restricted Commercial SCO. The remaining soil borings were undetected for all pesticides.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions can be reached based on the results of the Supplemental Phase II ESA and the results of the previous investigations.

- The test pitting investigation identified metallic debris in the geophysical anomaly area but the search for suspected USTs in that location and in the former UST area was postponed due to perched water infiltration in the shallow excavation.

- Shallow perched water entered the test pit and soil borings RA-13 and RA-14 from an elevation approximately 1 ft below the asphalt parking lot. This perched water condition is not indicative of regional groundwater levels across the Site which were consistently identified at 11 to 15 feet bls in the eight soil borings.

- Groundwater contamination was not identified via field screening during the Supplemental Phase II ESA or in the previous March 2004 Phase II.

- Eight soil borings were installed and eight soil samples were collected, analyzed and compared to the NY State Part 375 List Restricted Commercial SCOs for VOCs, SVOCs, metals, PCBs, pesticides, and compared to the USEPA regulatory levels for TCLP metals. There were two exceedances of NYSDEC Part 375 Restricted Commercial SCOs for lead, two exceedances of NYSDEC Part 375 Restricted Commercial SCOs for barium, one exceedance of NYSDEC Part 375 Restricted Commercial SCOs for copper, and two exceedances of the USEPA Regulatory levels for TCLP lead.

- The TCLP lead exceedances noted at RA-9 and RA-16 were similar to previous investigation findings of exceedances at P-67, RA-7, and RA-8. The scattered locations of these TCLP lead exceedances are evident from the spatial distribution shown on Figure 3. In addition, the random and sporadic nature of the TCLP lead exceedances is evidenced by two samples, one of which failed TCLP (P-67) and the other, which did not (RA-15), located within 15 feet of each other.

- The historic fill that underlies the Site is the apparent source of the scattered elevated metals concentrations based on the random distribution of the lead detections and the lack of any known specific point sources.

5.2 Recommendations

The following recommendations are made based on the finding of the Supplemental Phase II investigation.

- During redevelopment of the site, soils that have been documented to exceed TCLP standards for lead must be excavated for offsite disposal as a hazardous waste. Handling, transportation, and disposal should be consistent with Resource Conservation and Recovery Act (RCRA) requirements.

- The known exceedances of the NY State Part 375 Restricted Commercial SCOs for metals can be addressed via hot spot excavation or capping in place and deed restriction with

NYSDEC or New York City Office of Environmental Remediation regulatory involvement.

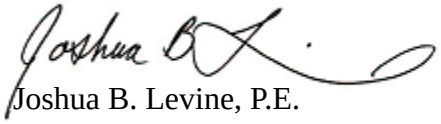
- The known metallic debris and assumed adjacent USTs from the former UST area must be excavated and properly disposed prior to or during construction excavation. This is likely to include post-excavation end point soil sampling and tank abandonment with NYSDEC involvement.

- An *in situ* waste characterization sampling program is necessary prior to commencing site excavation to assess potential soil disposal costs during site redevelopment. The scope and cost of the waste characterization sampling program will be dictated by the depth and lateral extent of the proposed redevelopment scenario. This is especially important given the known presence of hazardous waste on site and the premium associated with disposing hazardous material.

- The status of the tank areas will need to be evaluated during additional test pitting/ excavation activities with potential significant dewatering activities required to manage shallow perched water and obtain visual identification of possible USTs in the area.

Respectfully submitted,

ROUX ASSOCIATES, INC.



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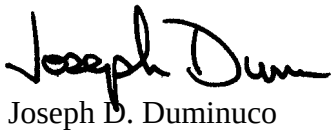

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6.0 REFERENCES

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TABLES

Table 1. Summary of Volatile Organic Compounds in Soil, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	RA-1	RA-2	RA-3	RA-4	RA-5	RA-6	RA-7	RA-8
		Sample Date:	01/13/04	01/13/04	01/13/04	01/12/04	01/12/04	01/13/04	01/12/04	01/12/04
		Sample Depth (ft bls):	6-8	4-6	2-4	10-12	4-6	8-10	10-12	10-12
1,1,1,2-Tetrachloroethane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
1,1,1-Trichloroethane	500000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
1,1,2,2-Tetrachloroethane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
1,1,2-Trichloroethane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
1,1-Dichloroethane	240000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
1,1-Dichloroethene	500000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
1,1-Dichloropropene	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
1,2,3-Trichlorobenzene	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
1,2,3-Trichloropropane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
1,2,4-Trichlorobenzene	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
1,2,4-Trimethylbenzene	190000		6.1	27	2.3	1.1 U	0.94 J	150 E	1.2 U	1.1 U
1,2-Dibromo-3-chloropropane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
1,2-Dibromoethane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
1,2-Dichlorobenzene	500000		5.8 U	5.5 U	1.1 U	1.1 U	0.61 J	1.1 U	1.2 U	1.1 U
1,2-Dichloroethane	30000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
1,2-Dichloropropane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
1,3,5-Trimethylbenzene	190000		5.8 U	25	2.8	1.1 U	0.77 J	31 D	1.2 U	1.1 U
1,3-Dichlorobenzene	280000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
1,3-Dichloropropane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
1,4-Dichlorobenzene	130000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
1,4-Dioxane	130000		NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	500000		NA	NA	NA	NA	NA	NA	NA	NA
Acetone	500000		NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
2-Chlorotoluene	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
4-Chlorotoluene	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
Benzene	44000		5.8 U	3.1 J	5.7	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
Bromobenzene	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
Bromochloromethane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
Bromodichloromethane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
Bromoform	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
Bromomethane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
Carbon tetrachloride	22000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
Chlorobenzene	500000		5.8 U	5.5 U	1.1 U	1.1 U	2.7	1.1 U	1.2 U	1.1 U
Chloroethane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
Chloroform	350000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
Chloromethane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
cis-1,2-Dichloroethene	500000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
cis-1,3-Dichloropropene	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U

Table 1. Summary of Volatile Organic Compounds in Soil, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:** / **Sample Date:** / **Sample Depth (ft bls):**	RA-1 01/13/04 6-8	RA-2 01/13/04 4-6	RA-3 01/13/04 2-4	RA-4 01/12/04 10-12	RA-5 01/12/04 4-6	RA-6 01/13/04 8-10	RA-7 01/12/04 10-12	RA-8 01/12/04 10-12
Dibromochloromethane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
Dibromomethane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
Dichlorodifluoromethane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
Ethylbenzene	390000		5.8 U	7	1.2	1.1 U	1.2 U	1.1 J	1.2 U	1.1 U
Hexachlorobutadiene	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
Isopropylbenzene	--		5.8 U	32	5.5	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
m+p-Xylene	--		5.8 U	50	6.9	1.1 U	0.76 J	4.5 JD	1.3	1.1 U
Methylene chloride	500000		5.8 U	5.5 U	1.1 U	1.1 U	1.2	1.1 J	1.5	1.1 U
MTBE	500000		NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	500000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
n-Propylbenzene	500000		5.8 U	56	5.6	1.1 U	1.2 U	5.2 JD	1.2 U	1.1 U
Naphthalene	500000		5.8 U	89	2.6	1.1 U	1.1 J	390 E	1.2 U	8.5
o-Xylene	--		5.8 U	17	2.3	1.1 U	1.2 U	3.8	1.2 U	1.1 U
p-Isopropyltoluene	--		5.8 U	30	3.5	1.1 U	1.2 U	21 D	1.2 U	1.1 U
sec-Butylbenzene	500000		5.8 U	9.1	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
Styrene	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
tert-Butylbenzene	500000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
Tetrachloroethene	150000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
Toluene	500000		4.8 J	4.3 J	2.6	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
trans-1,2-Dichloroethene	500000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
trans-1,3-Dichloropropene	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
Trichloroethene	200000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
Trichlorofluoromethane	--		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U
Vinyl chloride	13000		5.8 U	5.5 U	1.1 U	1.1 U	1.2 U	5.6 U	1.2 U	1.1 U
Xylenes (total)	500000		5.8 U	67	9.2	1.1 U	0.76	8.3	1.3	1.1 U
Total VOCs:			10.9	349.5	41	0	8.08	607.7	2.8	8.5

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
D - Dilution
E - Exceeds calibration limits
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards
NA - Not analyzed for by laboratory

Table 1. Summary of Volatile Organic Compounds in Soil, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:** / **Sample Date:** / **Sample Depth (ft bls):**	RA-9 1/26/2012 8-10	RA-10 1/25/2012 6-8	RA-11 1/25/2012 12-14	RA-12 1/24/2012 1-3	RA-13 1/26/2012 6-8	RA-14 1/25/2012 10-12	RA-15 1/25/2012 9-11	RA-16 1/26/2012 6-8
1,1,1,2-Tetrachloroethane	--		NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	500000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
1,1,2,2-Tetrachloroethane	--		NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	--		NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	240000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
1,1-Dichloroethene	500000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
1,1-Dichloropropene	--		NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	--		NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	--		NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	--		NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	190000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
1,2-Dibromo-3-chloropropane	--		NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	--		NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	500000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
1,2-Dichloroethane	30000		1.4 U	1.2 U	1.5 U	0.96 U	1.3 U	1.1 U	1.3 U	1.2 U
1,2-Dichloropropane	--		NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	190000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
1,3-Dichlorobenzene	280000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
1,3-Dichloropropane	--		NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	130000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
1,4-Dioxane	130000		180 U	150 U	190 U	120 U	170 U	140 U	170 U	150 U
2-Butanone (MEK)	500000		14 U	12 U	71.5	9.6 U	85	11 U	44.9	23.2
Acetone	500000		45.8	30.3	204	99.7	208	24	178	89.8
2,2-Dichloropropane	--		NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	--		NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	--		NA	NA	NA	NA	NA	NA	NA	NA
Benzene	44000		0.88 J	1.2 U	1.5 U	0.83 J	1.7	1.1 U	1.3 U	1.2 U
Bromobenzene	--		NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	--		NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	--		NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	--		NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	--		NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	22000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
Chlorobenzene	500000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
Chloroethane	--		NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	350000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
Chloromethane	--		NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	500000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
cis-1,3-Dichloropropene	--		NA	NA	NA	NA	NA	NA	NA	NA

Table 1. Summary of Volatile Organic Compounds in Soil, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:** / **Sample Date:** / **Sample Depth (ft bls):**	RA-9 1/26/2012 8-10	RA-10 1/25/2012 6-8	RA-11 1/25/2012 12-14	RA-12 1/24/2012 1-3	RA-13 1/26/2012 6-8	RA-14 1/25/2012 10-12	RA-15 1/25/2012 9-11	RA-16 1/26/2012 6-8
Dibromochloromethane	--		NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	--		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	--		NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	390000		0.93 J	1.2 U	1.5 U	2.1	1.6	1.1 U	1.3 U	1 J
Hexachlorobutadiene	--		NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	--		NA	NA	NA	NA	NA	NA	NA	NA
m+p-Xylene	--		1.3 J	1.2 U	1.5 U	5.9	1.6	1.1 U	1.3 U	1.4
Methylene chloride	500000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
MTBE	500000		1.4 U	1.2 U	1.5 U	0.96 U	1.3 U	1.1 U	1.3 U	1.2 U
n-Butylbenzene	500000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
n-Propylbenzene	500000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
Naphthalene	500000		NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	--		0.57 J	1.2 U	1.5 U	0.96 U	1.3 U	1.1 U	1.3 U	1.2 U
p-Isopropyltoluene	--		NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	500000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
Styrene	--		NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	500000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
Tetrachloroethene	150000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
Toluene	500000		0.84 J	1.2 U	1.5 U	1	1.3	1.1 U	1.3 U	1.2 U
trans-1,2-Dichloroethene	500000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
trans-1,3-Dichloropropene	--		NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	200000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
Trichlorofluoromethane	--		NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	13000		7.1 U	6 U	7.5 U	4.8 U	6.7 U	5.7 U	6.7 U	6.1 U
Xylenes (total)	500000		1.9	1.2 U	1.5 U	5.9	1.6	1.1 U	1.3 U	1.4
Total VOCs:			50.35	30.3	275.5	109.53	299.2	24	222.9	115.4

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
D - Dilution
E - Exceeds calibration limits
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards
NA - Not analyzed for by laboratory

Table 2. Summary of Semivolatile Organic Compounds in Soil, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	RA-9	RA-10	RA-11	RA-12	RA-13	RA-14	RA-15	RA-16
		Sample Date:	1/26/2012	1/25/2012	1/25/2012	1/24/2012	1/26/2012	1/25/2012	1/25/2012	1/26/2012
		Sample Depth (ft bls):	8-10	6-8	12-14	1-3	6-8	10-12	9-11	6-8
2-Methylphenol	500000		70 U	68 U	91 U	63 U	63 U	66 U	79 U	61 U
3&4-Methylphenol	--		70 U	68 U	91 U	63 U	63 U	66 U	79 U	61 U
Acenaphthene	500000		97.5	34 U	45 U	38.9	105	556	31.4 J	16.3 J
Acenaphthylene	500000		43.7	34 U	45 U	38.4	137	23.4 J	40 U	14.6 J
Anthracene	500000		275	23 J	45 U	99.5	294	676	103	40
Benzo[a]anthracene	5600		634	46.1	45 U	357	643	334	273	118
Benzo[a]pyrene	1000		572	43.6	45 U	334	687	224	259	131
Benzo[b]fluoranthene	5600		451	38.9	45 U	310	638	239	277	186
Benzo[g,h,i]perylene	500000		309	36.8	45 U	260	503	139	187	102
Benzo[k]fluoranthene	56000		344	34 U	45 U	343	416	126	130	90.5
Chrysene	56000		670	44.2	45 U	471	712	289	282	152
Dibenzo[a,h]anthracene	560		122	34 U	45 U	84.6	234	46.7	69.7	18.2 J
Dibenzofuran	350000		45.1 J	68 U	91 U	19.6 J	45.4 J	329	79 U	61 U
Fluoranthene	500000		1080	88.2	45 U	601	1610	1250	422	238
Fluorene	500000		116	34 U	45 U	30.5 J	120	618	34.9 J	17.1 J
Hexachlorobenzene	6000		70 U	68 U	91 U	63 U	63 U	66 U	79 U	61 U
Indeno[1,2,3-cd]pyrene	5600		288	28.2 J	45 U	217	418	123	169	109
Naphthalene	500000		26.7 J	34 U	45 U	24.3 J	75.8	158	22 J	16.1 J
Pentachlorophenol	6700		350 U	340 U	450 U	320 U	320 U	330 U	400 U	310 U
Phenanthrene	500000		1110	82.5	45 U	318	939	2010	270	138
Phenol	500000		70 U	68 U	91 U	63 U	63 U	66 U	79 U	61 U
Pyrene	500000		1150	137	45 U	616	1220	1150	570	202

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 3. Summary of Metals in Soil, Rego Park Z Property, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Commercial (mg/kg)	**Sample Designation:**	RA-1	RA-1	RA-1	RA-2	RA-2	RA-2	RA-3	RA-3
		Sample Date:	01/13/04	01/13/04	01/13/04	01/13/04	01/13/04	01/13/04	01/13/04	01/13/04
		Sample Depth (ft bls):	0-4	4-8	8-12	0-4	4-8	8-12	0-4	4-8
Arsenic	16		--	--	--	--	--	--	--	--
Barium	400		--	--	--	--	--	--	--	--
Beryllium	590		--	--	--	--	--	--	--	--
Cadmium	9.3		--	--	--	--	--	--	--	--
Chromium, Hexavalent	400		--	--	--	--	--	--	--	--
Chromium, Trivalent	1500		--	--	--	--	--	--	--	--
Chromium	1500		--	--	--	--	--	--	--	--
Copper	270		--	--	--	--	--	--	--	--
Cyanide, Free	27		--	--	--	--	--	--	--	--
Lead	1000		129	30.4	4.1	224	7.2	292	221	33.4
Manganese	10000		--	--	--	--	--	--	--	--
Mercury	2.8		--	--	--	--	--	--	--	--
Nickel	310		--	--	--	--	--	--	--	--
Selenium	1500		--	--	--	--	--	--	--	--
Silver	1500		--	--	--	--	--	--	--	--
Zinc	10000		--	--	--	--	--	--	--	--

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mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 3. Summary of Metals in Soil, Rego Park Z Property, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Commercial (mg/kg)	**Sample Designation:**	RA-3	RA-4	RA-4	RA-4	RA-5	RA-5	RA-5	RA-6
		Sample Date:	01/13/04	01/12/04	01/12/04	01/12/04	01/12/04	01/12/04	01/12/04	01/13/04
		Sample Depth (ft bls):	8-12	0-4	4-8	8-12	0-4	4-8	8-12	0-4
Arsenic	16		--	--	--	--	--	--	--	--
Barium	400		--	--	--	--	--	--	--	--
Beryllium	590		--	--	--	--	--	--	--	--
Cadmium	9.3		--	--	--	--	--	--	--	--
Chromium, Hexavalent	400		--	--	--	--	--	--	--	--
Chromium, Trivalent	1500		--	--	--	--	--	--	--	--
Chromium	1500		--	--	--	--	--	--	--	--
Copper	270		--	--	--	--	--	--	--	--
Cyanide, Free	27		--	--	--	--	--	--	--	--
Lead	1000		61.5	236	208	163	182	75.1	29.7	191
Manganese	10000		--	--	--	--	--	--	--	--
Mercury	2.8		--	--	--	--	--	--	--	--
Nickel	310		--	--	--	--	--	--	--	--
Selenium	1500		--	--	--	--	--	--	--	--
Silver	1500		--	--	--	--	--	--	--	--
Zinc	10000		--	--	--	--	--	--	--	--

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mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 3. Summary of Metals in Soil, Rego Park Z Property, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Commercial (mg/kg)	**Sample Designation:**	RA-6	RA-6	RA-7	RA-7	RA-7	RA-8	RA-8	RA-8
		Sample Date:	01/13/04	01/13/04	01/12/04	01/12/04	01/12/04	01/12/04	01/12/04	01/12/04
		Sample Depth (ft bls):	4-8	8-12	0-4	4-8	8-12	0-4	4-8	8-12
Arsenic	16		--	--	--	--	--	--	--	--
Barium	400		--	--	--	--	--	--	--	--
Beryllium	590		--	--	--	--	--	--	--	--
Cadmium	9.3		--	--	--	--	--	--	--	--
Chromium, Hexavalent	400		--	--	--	--	--	--	--	--
Chromium, Trivalent	1500		--	--	--	--	--	--	--	--
Chromium	1500		--	--	--	--	--	--	--	--
Copper	270		--	--	--	--	--	--	--	--
Cyanide, Free	27		--	--	--	--	--	--	--	--
Lead	1000		85.4	34.7	719	197	522	**1170**	19.3	612
Manganese	10000		--	--	--	--	--	--	--	--
Mercury	2.8		--	--	--	--	--	--	--	--
Nickel	310		--	--	--	--	--	--	--	--
Selenium	1500		--	--	--	--	--	--	--	--
Silver	1500		--	--	--	--	--	--	--	--
Zinc	10000		--	--	--	--	--	--	--	--

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mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 3. Summary of Metals in Soil, Rego Park Z Property, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Commercial (mg/kg)	**Sample Designation:** / **Sample Date:** / **Sample Depth (ft bls):**	RA-9 1/26/2012 8-10	RA-10 1/25/2012 6-8	RA-11 1/25/2012 12-14	RA-12 1/24/2012 1-3	RA-13 1/26/2012 6-8	RA-14 1/25/2012 10-12	RA-15 1/25/2012 9-11	RA-16 1/26/2012 6-8
Arsenic	16		10.1	11.6	9.7	10	8	2.4 U	15.1	2.9
Barium	400		**2300**	75.3	310	334	120	49.5	**967**	107
Beryllium	590		0.42	0.33	0.59	0.49	0.28	0.41	0.7	0.35
Cadmium	9.3		1.7	0.62 U	0.82 U	0.91	1.4	0.59 U	2.9	0.54 U
Chromium, Hexavalent	400		0.49 U	0.48 U	0.64 U	0.45 U	0.45 U	0.46 U	0.57 U	0.43 U
Chromium, Trivalent	1500		35.1	12.5	9.4	16.8	12.5	16.8	38.2	17
Chromium	1500		35.6	13	10	17.2	12.9	17.4	38.2	19.2
Copper	270		140	32.6	58.9	**388**	68.2	20.7	246	34.5
Cyanide, Free	27		0.28 U	0.27 U	0.39	0.27 U	0.25 U	0.28 U	0.33 U	0.24 U
Lead	1000		**2640**	86.7	572	837	458	34.6	**1720**	116
Manganese	10000		450	128	121	221	185	180	476	256
Mercury	2.8		0.45	0.097	0.83	0.33	0.24	0.061	0.33	0.076
Nickel	310		21.8	10.5	13	20.8	11.8	11.9	49.1	16.6
Selenium	1500		2.6 U	2.5 U	3.3 U	2.2 U	2.2 U	2.4 U	2.9 U	2.2 U
Silver	1500		1.7	0.62 U	0.82 U	0.66	0.55	0.59 U	0.79	0.54 U
Zinc	10000		1540	210	137	392	296	44.1	1930	188

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mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 4. Summary of Polychlorinated Biphenyls in Soil, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	RA-9	RA-10	RA-11	RA-12	RA-13	RA-14	RA-15	RA-16
		Sample Date:	1/26/2012	1/25/2012	1/25/2012	1/24/2012	1/26/2012	1/25/2012	1/25/2012	1/26/2012
		Sample Depth (ft bls):	8-10	6-8	12-14	1-3	6-8	10-12	9-11	6-8
Aroclor-1016	--		36 U	35 U	47 U	33 U	33 U	33 U	40 U	31 U
Aroclor-1221	--		36 U	35 U	47 U	33 U	33 U	33 U	40 U	31 U
Aroclor-1232	--		36 U	35 U	47 U	33 U	33 U	33 U	40 U	31 U
Aroclor-1242	--		36 U	35 U	47 U	33 U	33 U	33 U	40 U	31 U
Aroclor-1248	--		36 U	35 U	47 U	33 U	33 U	33 U	40 U	31 U
Aroclor-1254	--		36 U	35 U	47 U	33 U	33 U	33 U	40 U	31 U
Aroclor-1260	--		36 U	35 U	47 U	33 U	140	33 U	40 U	31 U
Total PCBs	1000		0	0	0	0	140	0	0	0

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards
PCBs- Polychlorinated Biphenyls

Table 5. Summary of Pesticides in Soil, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	RA-9	RA-10	RA-11	RA-12	RA-13	RA-14	RA-15	RA-16
		Sample Date:	1/26/2012	1/25/2012	1/25/2012	1/24/2012	1/26/2012	1/25/2012	1/25/2012	1/26/2012
		Sample Depth (ft bls):	8-10	6-8	12-14	1-3	6-8	10-12	9-11	6-8
2,4,5-TP	500000		3.5 U	3.4 U	4.6 U	3.2 U	3.2 U	3.3 U	4 U	3.1 U
4,4'-DDD	92000		0.72 U	0.7 U	0.93 U	9.9	0.66 U	0.66 U	0.81 U	0.62 U
4,4'-DDE	62000		0.72 U	0.7 U	0.93 U	5.3	0.66 U	0.66 U	0.81 U	0.62 U
4,4'-DDT	47000		0.72 U	0.7 U	0.93 U	1.9	0.66 U	0.66 U	0.81 U	0.62 U
Aldrin	680		0.72 U	0.7 U	0.93 U	0.67 U	0.66 U	0.66 U	0.81 U	0.62 U
alpha-BHC	3400		0.72 U	0.7 U	0.93 U	0.67 U	0.66 U	0.66 U	0.81 U	0.62 U
alpha-Chlordane	24000		0.72 U	0.7 U	0.93 U	0.67 U	0.66 U	0.66 U	0.81 U	0.62 U
beta-BHC	3000		0.72 U	0.7 U	0.93 U	0.67 U	0.66 U	0.66 U	0.81 U	0.62 U
delta-BHC	500000		0.72 U	0.7 U	0.93 U	0.67 U	0.66 U	0.66 U	0.81 U	0.62 U
Dieldrin	1400		0.72 U	0.7 U	0.93 U	0.67 U	0.66 U	0.66 U	0.81 U	0.62 U
Endosulfan I	200000		0.72 U	0.7 U	0.93 U	0.67 U	0.66 U	0.66 U	0.81 U	0.62 U
Endosulfan II	200000		0.72 U	0.7 U	0.93 U	0.67 U	0.66 U	0.66 U	0.81 U	0.62 U
Endosulfan sulfate	200000		0.72 U	0.7 U	0.93 U	0.67 U	0.66 U	0.66 U	0.81 U	0.62 U
Endrin	89000		0.72 U	0.7 U	0.93 U	0.67 U	0.66 U	0.66 U	0.81 U	0.62 U
gamma-BHC (Lindane)	9200		0.72 U	0.7 U	0.93 U	0.67 U	0.66 U	0.66 U	0.81 U	0.62 U
Heptachlor	15000		0.72 U	0.7 U	0.93 U	0.67 U	0.66 U	0.66 U	0.81 U	0.62 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 6. Summary of Toxicity Characteristic Leachate Procedure Metals in Soil, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in mg/L)	USEPA Regulatory Levels (mg/L)	**Sample Designation:** / **Sample Date:** / **Sample Depth (ft bls):**	P-67 08/02/94 0-4	P-67 08/02/94 4-8	P-67 08/02/94 8-12	P-68 08/02/94 0-4	P-68 08/02/94 4-8	P-68 08/02/94 8-12	P-69 08/02/94 0-4	P-69 08/02/94 4-8
Arsenic	5		--	--	--	--	--	--	--	--
Barium	100		--	--	--	--	--	--	--	--
Cadmium	1		--	--	--	--	--	--	--	--
Chromium	5		--	--	--	--	--	--	--	--
Lead	5		0.95	**9.4**	2.0	2.6	0.45	0.10	1.3	0.40
Mercury	0.2		--	--	--	--	--	--	--	--
Selenium	1		--	--	--	--	--	--	--	--
Silver	5		--	--	--	--	--	--	--	--

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
mg/L - Milligrams per liter
USEPA - United States Environmental Protection Agency
TCLP - Toxicity Characteristic Leaching Procedure
USEPA Regulatory Levels - United States Environmental Protection Agency Limits for RCRA Characteristic Waste for Toxicity
NA - Not Analyzed

Table 6. Summary of Toxicity Characteristic Leachate Procedure Metals in Soil, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in mg/L)	USEPA Regulatory Levels (mg/L)	**Sample Designation:** / **Sample Date:** / **Sample Depth (ft bls):**	P-69 08/02/94 8-12	P-70 08/02/94 0-4	P-70 08/02/94 4-8	P-70 08/02/94 8-12	P-71 08/02/94 0-4	P-71 08/02/94 4-8	P-71 08/02/94 8-12	RA-1 01/13/04 0-4
Arsenic	5		--	--	--	--	--	--	--	--
Barium	100		--	--	--	--	--	--	--	--
Cadmium	1		--	--	--	--	--	--	--	--
Chromium	5		--	--	--	--	--	--	--	--
Lead	5		1.3	0.47	0.80	0.30	0.50	0.75	1.5	NA
Mercury	0.2		--	--	--	--	--	--	--	--
Selenium	1		--	--	--	--	--	--	--	--
Silver	5		--	--	--	--	--	--	--	--

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
mg/L - Milligrams per liter
USEPA - United States Environmental Protection Agency
TCLP - Toxicity Characteristic Leaching Procedure
USEPA Regulatory Levels - United States Environmental Protection Agency Limits for RCRA Characteristic Waste for Toxicity
NA - Not Analyzed

Table 6. Summary of Toxicity Characteristic Leachate Procedure Metals in Soil, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in mg/L)	USEPA Regulatory Levels (mg/L)	**Sample Designation:** / **Sample Date:** / **Sample Depth (ft bls):**	RA-1 01/13/04 4-8	RA-1 01/13/04 8-12	RA-2 01/13/04 0-4	RA-2 01/13/04 4-8	RA-2 01/13/04 8-12	RA-3 01/13/04 0-4	RA-3 01/13/04 4-8	RA-3 01/13/04 8-12
Arsenic	5		--	--	--	--	--	--	--	--
Barium	100		--	--	--	--	--	--	--	--
Cadmium	1		--	--	--	--	--	--	--	--
Chromium	5		--	--	--	--	--	--	--	--
Lead	5		NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.2		--	--	--	--	--	--	--	--
Selenium	1		--	--	--	--	--	--	--	--
Silver	5		--	--	--	--	--	--	--	--

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
mg/L - Milligrams per liter
USEPA - United States Environmental Protection Agency
TCLP - Toxicity Characteristic Leaching Procedure
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NA - Not Analyzed

Table 6. Summary of Toxicity Characteristic Leachate Procedure Metals in Soil, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in mg/L)	USEPA Regulatory Levels (mg/L)	**Sample Designation:**	RA-4	RA-4	RA-4	RA-5	RA-5	RA-5	RA-6	RA-6
		Sample Date:	01/12/04	01/12/04	01/12/04	01/12/04	01/12/04	01/12/04	01/13/04	01/13/04
		Sample Depth (ft bls):	0-4	4-8	8-12	0-4	4-8	8-12	0-4	4-8
Arsenic	5		--	--	--	--	--	--	--	--
Barium	100		--	--	--	--	--	--	--	--
Cadmium	1		--	--	--	--	--	--	--	--
Chromium	5		--	--	--	--	--	--	--	--
Lead	5		NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.2		--	--	--	--	--	--	--	--
Selenium	1		--	--	--	--	--	--	--	--
Silver	5		--	--	--	--	--	--	--	--

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
mg/L - Milligrams per liter
USEPA - United States Environmental Protection Agency
TCLP - Toxicity Characteristic Leaching Procedure
USEPA Regulatory Levels - United States Environmental Protection Agency Limits for RCRA Characteristic Waste for Toxicity
NA - Not Analyzed

Table 6. Summary of Toxicity Characteristic Leachate Procedure Metals in Soil, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in mg/L)	USEPA Regulatory Levels (mg/L)	**Sample Designation:** / **Sample Date:** / **Sample Depth (ft bls):**	RA-6 01/13/04 8-12	RA-7 01/12/04 0-4	RA-7 01/12/04 4-8	RA-7 01/12/04 8-12	RA-8 01/12/04 0-4	RA-8 01/12/04 4-8	RA-8 01/12/04 8-12	RA-9 1/26/2012 8-10
Arsenic	5		--	--	--	--	--	--	--	0.5 U
Barium	100		--	--	--	--	--	--	--	5.7
Cadmium	1		--	--	--	--	--	--	--	0.034
Chromium	5		--	--	--	--	--	--	--	0.02 U
Lead	5		NA	**914**	NA	NA	**17.4**	NA	NA	**32.7**
Mercury	0.2		--	--	--	--	--	--	--	0.0002 U
Selenium	1		--	--	--	--	--	--	--	0.5 U
Silver	5		--	--	--	--	--	--	--	0.01 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
mg/L - Milligrams per liter
USEPA - United States Environmental Protection Agency
TCLP - Toxicity Characteristic Leaching Procedure
USEPA Regulatory Levels - United States Environmental Protection Agency Limits for RCRA Characteristic Waste for Toxicity
NA - Not Analyzed

Table 6. Summary of Toxicity Characteristic Leachate Procedure Metals in Soil, Supplemental Phase II ESA, Vornado Realty Trust, Rego Park, New York

Parameter (Concentrations in mg/L)	USEPA Regulatory Levels (mg/L)	**Sample Designation:** / **Sample Date:** / **Sample Depth (ft bls):**	RA-10 1/25/2012 6-8	RA-11 1/25/2012 12-14	RA-12 1/24/2012 1-3	RA-13 1/26/2012 6-8	RA-14 1/25/2012 10-12	RA-15 1/25/2012 9-11	RA-16 1/26/2012 6-8
Arsenic	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Barium	100		1 U	2	1.1	1 U	1 U	3.5	1 U
Cadmium	1		0.005 U	0.005 U	0.011	0.026	0.005 U	0.02	0.005 U
Chromium	5		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Lead	5		0.5 U	0.5 U	0.63	2.5	0.5 U	2.4	**29**
Mercury	0.2		0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Selenium	1		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	5		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
mg/L - Milligrams per liter
USEPA - United States Environmental Protection Agency
TCLP - Toxicity Characteristic Leaching Procedure
USEPA Regulatory Levels - United States Environmental Protection Agency Limits for RCRA Characteristic Waste for Toxicity
NA - Not Analyzed

FIGURES

1. Site Location Map
2. Supplemental Phase II Site Plan
3. Supplemental Phase II Exceedances of Soil Standards

QUADRANGLE LOCATION

N

SOURCE:
USGS; 1995, Mount Vernon, New York
7.5 Minute Topographic Quadrangle

Title:

SITE LOCATION MAP

REGO Z PARCEL

Prepared for:

ALEXANDERS OF REGO PARK III, INC.

ROUX

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: S.S.	Date: 05MAR12	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	1
Project Mgr.: C.W.	Project No.: 0987.0003Y000	
File: 0987.0016Y103.01.CDR		

V:\CAD\PROJECTS\0987\Y\0016Y\103\0987.0016Y103.01.CDR

high lead, TPH

high TPH, haz lead

high TPH

high lead

prev. investigation, haz lead

haz lead

LEGEND

RA–9 — LOCATION AND DESIGNATION OF 2012 PHASE II SOIL BORING

B–5 — LOCATION AND DESIGNATION OF MONITORING WELL

RA–1 — LOCATION AND DESIGNATION OF ROUX ASSOCIATES, INC. 2004 PHASE II SOIL BORING (APPROXIMATE LOCATION)

P–67 — LOCATION AND DESIGNATION OF PREVIOUS LANGAN 1994 SOIL BORING

REGO Z PROPERTY SITE LIMITS

ASPH.....ASPHALT
BK.....BRICK
BSMT.....BASEMENT
CC.....CURB CUT
CCR.....CONCRETE CURB ROUND
CD.....CELLAR DOOR
CLF.....CHAIN LINK FENCE
CO.....CATCH BASIN CLEAN OUT
CONC.....CONCRETE
CRF.....CHAIN ROPE FENCE
CWA.....CELLAR WINDOW AREA
DR.....DRAIN
EL.....ELEVATION
FAB.....FIRE ALARM BOX
FC.....FILL CAP
FL EL.....FLOOR ELEVATION
GP.....GUARD POLE
GV.....GAS VALVE
IF.....IRON FENCE
INL.....CATCH BASIN INLET ELEVATION
INV.....SEWER INVERT ELEVATION
.....LIGHT POLE
MB.....MAIL BOX
MHU.....UNKNOWN MANHOLE
OF.....OIL FILL
OHW.....OVERHEAD WIRES
P.....POLE
PAVT.....PAVEMENT
PM.....PARKING METER
PMULT.....POLE, MULTIPLE USAGE

PR.....PEDESTRIAN RAMP
RET.....RETAINING
RIM.....RIM ELEVATION SEWER MANHOLE
SFCR....STEEL FACED CURB ROUND
STY.....STORY
TB.....TOP OF BANK ELEVATION
.....TRAFFIC LIGHT
TEL.....TELEPHONE
TP.....TREE PIT
.....TRAFFIC SIGN
TW.....ELEVATION AT TOP OF WALL
UP.....UTILITY POLE
VU.....VALVE UNKNOWN
VLTU.....VAULT UNKNOWN
VP.....VENT PIPE
WV.....WATER VALVE
12"G.....GAS MAIN WITH SIZE
12"S.....SEWER MAIN WITH SIZE
12"W.....WATER MAIN WITH SIZE
.....CATCH BASIN
E .....ELECTRIC MANHOLE / VAULT
F .....FIRE MANHOLE
G .....GAS MANHOLE
S .....SEWER MANHOLE
T .....TELEPHONE MANHOLE
W .....WATER MANHOLE
TR .....TRAFFIC VAULT
.....HYDRANT
T8.....TREE WITH SIZE
17.0 ....ESTABLISHED GRADE

80' 0 80'

SOURCE FILE PREPARED BY MONTROSE SURVEYING CO., LLP DATED 08–20–07.

Title:

SUPPLEMENTAL PHASE II SITE PLAN

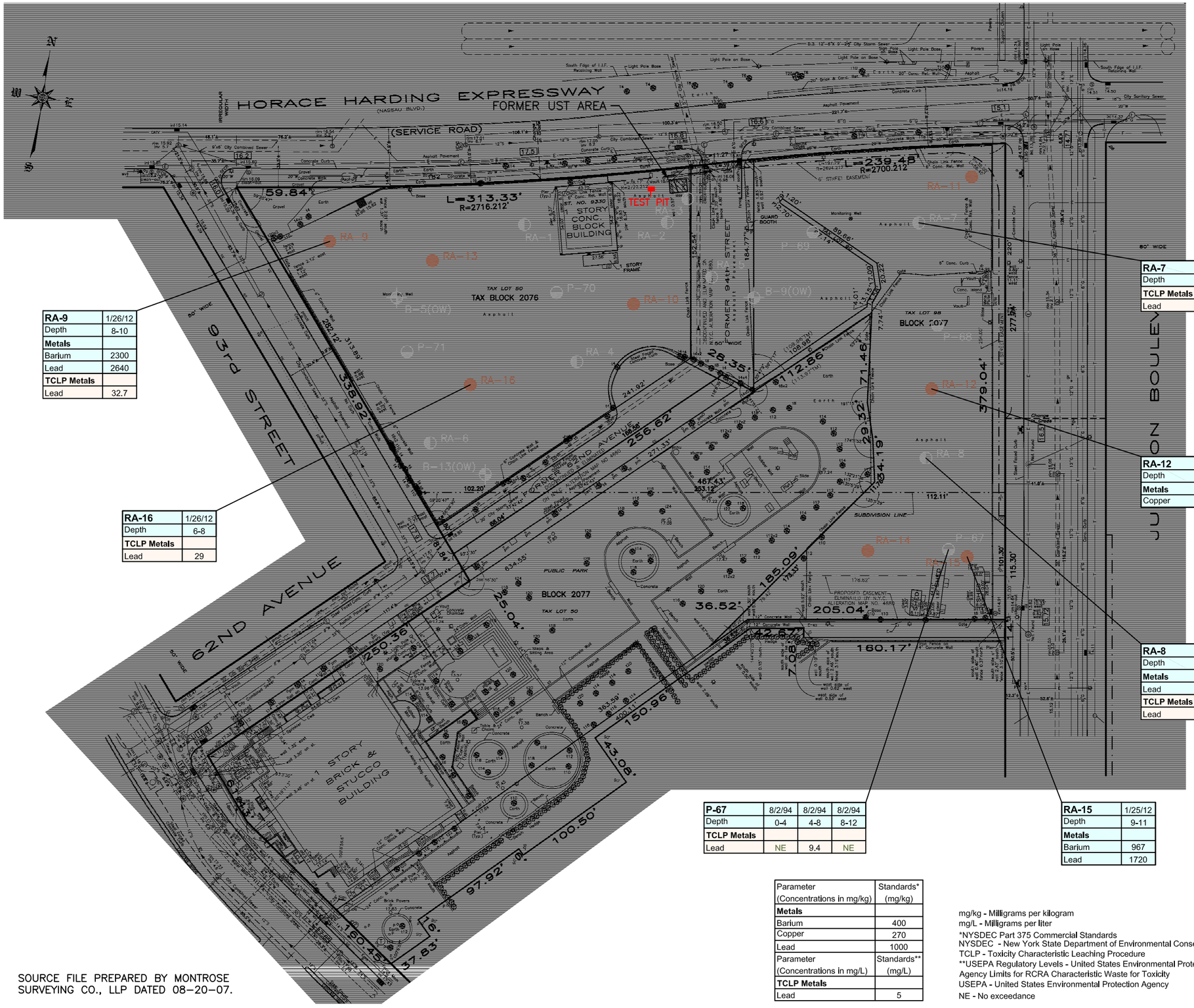
REGO Z PARCEL

Prepared For:
ALEXANDERS OF REGO PARK III, INC.

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: E.L.	Date: 05MAR12	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	2
Project Mgr: J.L.	Project: 0987.0016Y000	
File: 0987.0016Y103.02.DWG		

V:\CAD\PROJECTS\0987Y\0016Y\103\0987.0016Y103.02.DWG



RA-9	1/26/12
Depth	8-10
Metals	
Barium	2300
Lead	2640
TCLP Metals	
Lead	32.7

RA-16	1/26/12
Depth	6-8
TCLP Metals	
Lead	29

RA-7	1/12/04
Depth	0-4
TCLP Metals	
Lead	914

RA-12	1/24/12
Depth	1-3
Metals	
Copper	388

RA-8	1/12/04
Depth	0-4
Metals	
Lead	1170
TCLP Metals	
Lead	17.4

P-67	8/2/94	8/2/94	8/2/94
Depth	0-4	4-8	8-12
TCLP Metals			
Lead	NE	9.4	NE

RA-15	1/25/12
Depth	9-11
Metals	
Barium	967
Lead	1720

LEGEND

- RA–9 — LOCATION AND DESIGNATION OF 2012 PHASE II SOIL BORING
- B–5 — LOCATION AND DESIGNATION OF MONITORING WELL
- RA–1 — LOCATION AND DESIGNATION OF ROUX ASSOCIATES, INC. 2004 PHASE II SOIL BORING (APPROXIMATE LOCATION)
- P–67 — LOCATION AND DESIGNATION OF PREVIOUS LANGAN 1994 SOIL BORING

ASPH.....ASPHALT
BK.....BRICK
BSMT.....BASEMENT
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CCR.....CONCRETE CURB ROUND
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CRF.....CHAIN ROPE FENCE
CWA.....CELLAR WINDOW AREA
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PMULT.....POLE, MULTIPLE USAGE
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12"G.....GAS MAIN WITH SIZE
12"S.....SEWER MAIN WITH SIZE
12"W.....WATER MAIN WITH SIZE
.....CATCH BASIN
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F .....FIRE MANHOLE
G .....GAS MANHOLE
S .....SEWER MANHOLE
T .....TELEPHONE MANHOLE
W .....WATER MANHOLE
TR .....TRAFFIC VAULT
.....HYDRANT
TB.....TREE WITH SIZE
17.0 ...ESTABLISHED GRADE

80' 0 80'

Parameter (Concentrations in mg/kg)	Standards* (mg/kg)
Metals	
Barium	400
Copper	270
Lead	1000
Parameter (Concentrations in mg/L)	Standards** (mg/L)
TCLP Metals	
Lead	5

mg/kg - Milligrams per kilogram
mg/L - Milligrams per liter
*NYSDEC Part 375 Commercial Standards
NYSDEC - New York State Department of Environmental Conservation
TCLP - Toxicity Characteristic Leaching Procedure
**USEPA Regulatory Levels - United States Environmental Protection Agency Limits for RCRA Characteristic Waste for Toxicity
USEPA - United States Environmental Protection Agency
NE - No exceedance

SOURCE FILE PREPARED BY MONTROSE SURVEYING CO., LLP DATED 08–20–07.

V:\CAD\PROJECTS\0987Y\0016Y\103\0987.0016Y103.02.DWG

Title:

SUPPLEMENTAL PHASE II EXCEEDANCES OF SOIL STANDARDS

REGO Z PARCEL

Prepared For:
ALEXANDERS OF REGO PARK III, INC.

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: E.L.	Date: 05MAR12	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	3
Project Mgr: J.L.	Project: 0987.0016Y000	
File: 0987.0016Y103.02.DWG		

APPENDICES

A. Laboratory Data Sheets

B. Soil Boring Logs

APPENDIX A

Laboratory Data Sheets

New Jersey ACCUTEST LABORATORIES

03/05/12

Technical Report for

Roux Associates

Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

0987.0016Y000

Accutest Job Number: JA97858

Sampling Dates: 01/24/12 - 01/25/12

Report to:

Roux Associates

jlevine@rouxinc.com

ATTN: Josh Levine

Total number of pages in report: **56**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

Sample Summary

Roux Associates

Job No: JA97858

Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY
Project No: 0987.0016Y000

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA97858-2	01/24/12	09:15	EL	01/25/12	SO	Soil	RA-12(1-3)
JA97858-2A	01/24/12	09:15	EL	01/25/12	SO	Soil	RA-12(1-3)
JA97858-5	01/25/12	11:45	EL	01/25/12	SO	Soil	RA-11(12-14)
JA97858-5A	01/25/12	11:45	EL	01/25/12	SO	Soil	RA-11(12-14)
JA97858-6	01/25/12	13:00	EL	01/25/12	SO	Soil	RA-10(6-8)
JA97858-6A	01/25/12	13:00	EL	01/25/12	SO	Soil	RA-10(6-8)
JA97858-7	01/25/12	14:20	EL	01/25/12	SO	Soil	RA-14(10-12)
JA97858-7A	01/25/12	14:20	EL	01/25/12	SO	Soil	RA-14(10-12)
JA97858-8	01/25/12	15:00	EL	01/25/12	SO	Soil	RA-15(9-11)
JA97858-8A	01/25/12	15:00	EL	01/25/12	SO	Soil	RA-15(9-11)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Roux Associates	**Job No**	JA97858
Site:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway,	**Report Date**	2/10/2012 11:13:49 A

On 01/25/2012, 5 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 3 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JA97858 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG6786

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA97858-2MS, JA97858-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GCMS By Method SW846 8270D

Matrix: SO **Batch ID:** OP54485

- All samples were extracted within the recommended method holding time.
- Sample(s) JA97859-1MS, JA97859-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8081B

Matrix: SO **Batch ID:** OP54482

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA97859-1MS, JA97859-1MSD were used as the QC samples indicated.
- JA97858-2 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JA97858-2 for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.

Extractables by GC By Method SW846 8082A

Matrix: SO **Batch ID:** OP54481

- All samples were extracted within the recommended method holding time.
- Sample(s) JA97895-1MS, JA97895-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8151

Matrix: SO **Batch ID:** OP54487

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA97858-2MS, JA97858-2MSD were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: LEACHATE **Batch ID:** MP62494

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA97626-1MS, JA97626-1MSD, JA97626-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Lead, Selenium are outside control limits for sample MP62494-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP62494-SD1 for Chromium: Serial dilution indicates possible matrix interference.

Matrix: LEACHATE **Batch ID:** MP62549

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98195-15MS, JA98195-15MSD, JA98195-15SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Lead, Selenium are outside control limits for sample MP62549-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: SO **Batch ID:** MP62535

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98204-1MS, JA98204-1MSD, JA98204-1SDL were used as the QC samples for metals.
- Matrix Spike Duplicate Recovery(s) for Manganese are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for MS/MSD for Manganese are outside control limits for sample MP62535-S2. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Cadmium, Silver are outside control limits for sample MP62535-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix: LEACHATE **Batch ID:** MP62490

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA97626-1MS, JA97626-1MSD were used as the QC samples for metals.

Matrix: LEACHATE **Batch ID:** MP62542

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98195-15MS, JA98195-15MSD were used as the QC samples for metals.

Metals By Method SW846 7471B

Matrix: SO **Batch ID:** MP62565

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA97858-2MSD, JA97858-2MS were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Mercury are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Wet Chemistry By Method ASTM D1498-76M

Matrix: SO **Batch ID:** GN61401

- Sample(s) JA97861-7DUP were used as the QC samples for Redox Potential Vs H2.

Wet Chemistry By Method SM18 2540G

Matrix: SO **Batch ID:** GN61347

- The data for SM18 2540G meets quality control requirements.

Matrix: SO **Batch ID:** GN61423

- The data for SM18 2540G meets quality control requirements.

Wet Chemistry By Method SW846 3060A/7196A

Matrix: SO **Batch ID:** GP62892

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98069-2DUP, JA98069-2MS were used as the QC samples for Chromium, Hexavalent.
- Matrix Spike Recovery(s) for Chromium, Hexavalent are outside control limits. Soluble XCR matrix spike recovery indicates possible matrix interference. Low post spike recovery (71.3%) on this sample.Good pH adjusted post spike (93.1%). Good agreement between the sample and 1:5 dilution.
- GP62892-S2 for Chromium, Hexavalent: Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.

Wet Chemistry By Method SW846 6010/7196A M

Matrix: SO **Batch ID:** R106909

- The data for SW846 6010/7196A M meets quality control requirements.
- JA97858-2 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R106910

- The data for SW846 6010/7196A M meets quality control requirements.
- JA97858-5 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R106911

- The data for SW846 6010/7196A M meets quality control requirements.
- JA97858-6 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R106912

- The data for SW846 6010/7196A M meets quality control requirements.
- JA97858-7 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: SO **Batch ID:** R106913

- The data for SW846 6010/7196A M meets quality control requirements.
- JA97858-8 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Wet Chemistry By Method SW846 9012 M/LACHAT

Matrix: SO **Batch ID:** GP62797

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA97858-2DUP, JA97858-2MS were used as the QC samples for Cyanide.

Wet Chemistry By Method SW846 9045C,D

Matrix: SO **Batch ID:** GN61400

- Sample(s) JA97861-7DUP were used as the QC samples for pH.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	RA-12(1-3)		
Lab Sample ID:	JA97858-2	**Date Sampled:**	01/24/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8260B	**Percent Solids:**	88.3
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G145530.D	1	01/28/12	SJM	n/a	n/a	VG6786
Run #2							

	Initial Weight
Run #1	5.9 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	99.7	9.6	6.4	ug/kg	
71-43-2	Benzene	0.83	0.96	0.13	ug/kg	J
78-93-3	2-Butanone (MEK)	ND	9.6	4.2	ug/kg	
104-51-8	n-Butylbenzene	ND	4.8	0.23	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.8	0.15	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.8	0.13	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.8	0.33	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	0.31	ug/kg	
67-66-3	Chloroform	ND	4.8	0.46	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.27	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.18	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.16	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.8	0.21	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.96	0.17	ug/kg	
75-35-4	1,1-Dichloroethene	ND	4.8	0.59	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	4.8	0.31	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	4.8	0.41	ug/kg	
123-91-1	1,4-Dioxane	ND	120	56	ug/kg	
100-41-4	Ethylbenzene	2.1	0.96	0.14	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.96	0.17	ug/kg	
75-09-2	Methylene chloride	ND	4.8	0.22	ug/kg	
103-65-1	n-Propylbenzene	ND	4.8	0.33	ug/kg	
127-18-4	Tetrachloroethene	ND	4.8	0.18	ug/kg	
108-88-3	Toluene	1.0	0.96	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	0.23	ug/kg	
79-01-6	Trichloroethene	ND	4.8	0.24	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.12	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	0.44	ug/kg	
	m,p-Xylene	5.9	0.96	0.30	ug/kg	
95-47-6	o-Xylene	ND	0.96	0.18	ug/kg	
1330-20-7	Xylene (total)	5.9	0.96	0.18	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-12(1-3)		
Lab Sample ID:	JA97858-2	**Date Sampled:**	01/24/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8260B	**Percent Solids:**	88.3
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		67-131%
17060-07-0	1,2-Dichloroethane-D4	83%		66-130%
2037-26-5	Toluene-D8	95%		76-125%
460-00-4	4-Bromofluorobenzene	101%		53-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-12(1-3)
Lab Sample ID: JA97858-2 **Date Sampled:** 01/24/12
Matrix: SO - Soil **Date Received:** 01/25/12
Method: SW846 8270D SW846 3550C **Percent Solids:** 88.3
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M84638.D	1	02/03/12	OYA	01/27/12	OP54485	EM3378
Run #2							

	Initial Weight	Final Volume
Run #1	35.7 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	63	36	ug/kg	
	3&4-Methylphenol	ND	63	40	ug/kg	
87-86-5	Pentachlorophenol	ND	320	54	ug/kg	
108-95-2	Phenol	ND	63	33	ug/kg	
83-32-9	Acenaphthene	38.9	32	9.2	ug/kg	
208-96-8	Acenaphthylene	38.4	32	10	ug/kg	
120-12-7	Anthracene	99.5	32	11	ug/kg	
56-55-3	Benzo(a)anthracene	357	32	10	ug/kg	
50-32-8	Benzo(a)pyrene	334	32	9.7	ug/kg	
205-99-2	Benzo(b)fluoranthene	310	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	260	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	343	32	12	ug/kg	
218-01-9	Chrysene	471	32	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	84.6	32	11	ug/kg	
132-64-9	Dibenzofuran	19.6	63	9.4	ug/kg	J
206-44-0	Fluoranthene	601	32	14	ug/kg	
86-73-7	Fluorene	30.5	32	10	ug/kg	J
118-74-1	Hexachlorobenzene	ND	63	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	217	32	11	ug/kg	
91-20-3	Naphthalene	24.3	32	8.7	ug/kg	J
85-01-8	Phenanthrene	318	32	14	ug/kg	
129-00-0	Pyrene	616	32	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		21-116%
4165-62-2	Phenol-d5	71%		19-117%
118-79-6	2,4,6-Tribromophenol	97%		24-136%
4165-60-0	Nitrobenzene-d5	104%		21-122%
321-60-8	2-Fluorobiphenyl	97%		30-117%
1718-51-0	Terphenyl-d14	70%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-12(1-3)
Lab Sample ID: JA97858-2 **Date Sampled:** 01/24/12
Matrix: SO - Soil **Date Received:** 01/25/12
Method: SW846 8151 SW846 3550C **Percent Solids:** 88.3
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW107400.D	1	02/08/12	VDT	01/27/12	OP54487	GWW3784
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
93-72-1	2,4,5-TP (Silvex)	ND	3.2	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	98%		13-146%
19719-28-9	2,4-DCAA	86%		13-146%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-12(1-3)		
Lab Sample ID:	JA97858-2	**Date Sampled:**	01/24/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8081B SW846 3545A	**Percent Solids:**	88.3
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G71106.D	1	02/01/12	DS	01/27/12	OP54482	G1G2562
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.67	0.33	ug/kg	
319-84-6	alpha-BHC	ND	0.67	0.50	ug/kg	
319-85-7	beta-BHC	ND	0.67	0.47	ug/kg	
319-86-8	delta-BHC	ND	0.67	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.67	0.30	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.67	0.43	ug/kg	
60-57-1	Dieldrin	ND	0.67	0.52	ug/kg	
72-54-8	4,4'-DDD	9.9	0.67	0.34	ug/kg	
72-55-9	4,4'-DDE [a]	5.3	0.67	0.39	ug/kg	
50-29-3	4,4'-DDT [a]	1.9	0.67	0.49	ug/kg	
72-20-8	Endrin	ND	0.67	0.34	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.67	0.60	ug/kg	
959-98-8	Endosulfan-I	ND	0.67	0.32	ug/kg	
33213-65-9	Endosulfan-II	ND	0.67	0.44	ug/kg	
76-44-8	Heptachlor	ND	0.67	0.41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		23-137%
877-09-8	Tetrachloro-m-xylene	95%		23-137%
2051-24-3	Decachlorobiphenyl	60%		22-160%
2051-24-3	Decachlorobiphenyl	91%		22-160%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-12(1-3)		
Lab Sample ID:	JA97858-2	**Date Sampled:**	01/24/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8082A SW846 3545A	**Percent Solids:**	88.3
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G63061.D	1	01/31/12	AZ	01/27/12	OP54481	G2G2276
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	8.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	20	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	11	ug/kg	
12672-29-6	Aroclor 1248	ND	33	10	ug/kg	
11097-69-1	Aroclor 1254	ND	33	16	ug/kg	
11096-82-5	Aroclor 1260	ND	33	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		22-141%
877-09-8	Tetrachloro-m-xylene	102%		22-141%
2051-24-3	Decachlorobiphenyl	79%		18-163%
2051-24-3	Decachlorobiphenyl	110%		18-163%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-12(1-3)
Lab Sample ID: JA97858-2
Matrix: SO - Soil
Date Sampled: 01/24/12
Date Received: 01/25/12
Percent Solids: 88.3
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	10.0	2.2	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Barium	334	22	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.49	0.22	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.91	0.56	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Chromium	17.2	1.1	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Copper	388	2.8	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Lead	837	2.2	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Manganese	221	1.7	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.33	0.037	mg/kg	1	02/03/12	02/03/12	MP	SW846 7471B [2]	SW846 7471B [4]
Nickel	20.8	4.4	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Silver	0.66	0.56	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Zinc	392	2.2	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA27881
(2) Instrument QC Batch: MA27895
(3) Prep QC Batch: MP62535
(4) Prep QC Batch: MP62565

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-12(1-3)
Lab Sample ID: JA97858-2
Matrix: SO - Soil
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Date Sampled: 01/24/12
Date Received: 01/25/12
Percent Solids: 88.3

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.45	0.45	mg/kg	1	02/09/12 17:10	SY	SW846 3060A/7196A
Chromium, Trivalent [a]	16.8	1.6	mg/kg	1	02/09/12 17:10	SY	SW846 6010/7196A M
Cyanide	< 0.27	0.27	mg/kg	1	02/03/12 14:54	VA	SW846 9012 M/LACHAT
Redox Potential Vs H2	303		mv	1	02/07/12	SA	ASTM D1498-76M
Solids, Percent	88.3		%	1	02/06/12	BM	SM18 2540G
pH	8.16		su	1	02/07/12	SA	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-12(1-3)
Lab Sample ID: JA97858-2A
Matrix: SO - Soil
Date Sampled: 01/24/12
Date Received: 01/25/12
Percent Solids: 88.3
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Barium	1.1	D005	100	1.0	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Cadmium	0.011	D006	1.0	0.0050	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Lead	0.63	D008	5.0	0.50	mg/l	1	02/01/12	02/07/12	BL	SW846 6010C [3]	SW846 3010A [5]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	02/01/12	02/01/12	MP	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA27880
(2) Instrument QC Batch: MA27896
(3) Instrument QC Batch: MA27906
(4) Prep QC Batch: MP62490
(5) Prep QC Batch: MP62494

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Report of Analysis

Client Sample ID: RA-11(12-14)
Lab Sample ID: JA97858-5 **Date Sampled:** 01/25/12
Matrix: SO - Soil **Date Received:** 01/25/12
Method: SW846 8260B **Percent Solids:** 62.5
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G145533.D	1	01/28/12	SJM	n/a	n/a	VG6786
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	204	15	10	ug/kg	
71-43-2	Benzene	ND	1.5	0.20	ug/kg	
78-93-3	2-Butanone (MEK)	71.5	15	6.5	ug/kg	
104-51-8	n-Butylbenzene	ND	7.5	0.35	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.5	0.24	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.5	0.21	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.5	0.52	ug/kg	
108-90-7	Chlorobenzene	ND	7.5	0.49	ug/kg	
67-66-3	Chloroform	ND	7.5	0.73	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	7.5	0.42	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	7.5	0.29	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	7.5	0.26	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.5	0.33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.5	0.27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7.5	0.93	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7.5	0.49	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7.5	0.64	ug/kg	
123-91-1	1,4-Dioxane	ND	190	88	ug/kg	
100-41-4	Ethylbenzene	ND	1.5	0.22	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.5	0.27	ug/kg	
75-09-2	Methylene chloride	ND	7.5	0.35	ug/kg	
103-65-1	n-Propylbenzene	ND	7.5	0.52	ug/kg	
127-18-4	Tetrachloroethene	ND	7.5	0.29	ug/kg	
108-88-3	Toluene	ND	1.5	0.57	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.5	0.36	ug/kg	
79-01-6	Trichloroethene	ND	7.5	0.37	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.5	1.7	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.5	0.19	ug/kg	
75-01-4	Vinyl chloride	ND	7.5	0.70	ug/kg	
	m,p-Xylene	ND	1.5	0.47	ug/kg	
95-47-6	o-Xylene	ND	1.5	0.28	ug/kg	
1330-20-7	Xylene (total)	ND	1.5	0.28	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-11(12-14)		
Lab Sample ID:	JA97858-5	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8260B	**Percent Solids:**	62.5
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-131%
17060-07-0	1,2-Dichloroethane-D4	87%		66-130%
2037-26-5	Toluene-D8	95%		76-125%
460-00-4	4-Bromofluorobenzene	94%		53-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-11(12-14)		
Lab Sample ID:	JA97858-5	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	62.5
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M84630.D	1	02/03/12	OYA	01/27/12	OP54485	EM3378
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	91	52	ug/kg	
	3&4-Methylphenol	ND	91	58	ug/kg	
87-86-5	Pentachlorophenol	ND	450	78	ug/kg	
108-95-2	Phenol	ND	91	48	ug/kg	
83-32-9	Acenaphthene	ND	45	13	ug/kg	
208-96-8	Acenaphthylene	ND	45	15	ug/kg	
120-12-7	Anthracene	ND	45	16	ug/kg	
56-55-3	Benzo(a)anthracene	ND	45	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	45	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	45	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	45	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	45	17	ug/kg	
218-01-9	Chrysene	ND	45	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	45	15	ug/kg	
132-64-9	Dibenzofuran	ND	91	13	ug/kg	
206-44-0	Fluoranthene	ND	45	20	ug/kg	
86-73-7	Fluorene	ND	45	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	91	15	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	45	16	ug/kg	
91-20-3	Naphthalene	ND	45	12	ug/kg	
85-01-8	Phenanthrene	ND	45	21	ug/kg	
129-00-0	Pyrene	ND	45	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		21-116%
4165-62-2	Phenol-d5	68%		19-117%
118-79-6	2,4,6-Tribromophenol	108%		24-136%
4165-60-0	Nitrobenzene-d5	90%		21-122%
321-60-8	2-Fluorobiphenyl	87%		30-117%
1718-51-0	Terphenyl-d14	110%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-11(12-14)
Lab Sample ID: JA97858-5 **Date Sampled:** 01/25/12
Matrix: SO - Soil **Date Received:** 01/25/12
Method: SW846 8151 SW846 3550C **Percent Solids:** 62.5
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW107401.D	1	02/08/12	VDT	01/27/12	OP54487	GWW3784
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
93-72-1	2,4,5-TP (Silvex)	ND	4.6	0.80	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	59%		13-146%
19719-28-9	2,4-DCAA	74%		13-146%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-11(12-14)		
Lab Sample ID:	JA97858-5	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8081B SW846 3545A	**Percent Solids:**	62.5
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G71107.D	1	02/01/12	DS	01/27/12	OP54482	G1G2562
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.93	0.46	ug/kg	
319-84-6	alpha-BHC	ND	0.93	0.70	ug/kg	
319-85-7	beta-BHC	ND	0.93	0.65	ug/kg	
319-86-8	delta-BHC	ND	0.93	0.54	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.93	0.42	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.93	0.61	ug/kg	
60-57-1	Dieldrin	ND	0.93	0.72	ug/kg	
72-54-8	4,4'-DDD	ND	0.93	0.48	ug/kg	
72-55-9	4,4'-DDE	ND	0.93	0.55	ug/kg	
50-29-3	4,4'-DDT	ND	0.93	0.68	ug/kg	
72-20-8	Endrin	ND	0.93	0.48	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.93	0.84	ug/kg	
959-98-8	Endosulfan-I	ND	0.93	0.45	ug/kg	
33213-65-9	Endosulfan-II	ND	0.93	0.61	ug/kg	
76-44-8	Heptachlor	ND	0.93	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		23-137%
877-09-8	Tetrachloro-m-xylene	66%		23-137%
2051-24-3	Decachlorobiphenyl	51%		22-160%
2051-24-3	Decachlorobiphenyl	81%		22-160%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-11(12-14)		
Lab Sample ID:	JA97858-5	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8082A SW846 3545A	**Percent Solids:**	62.5
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G63062.D	1	01/31/12	AZ	01/27/12	OP54481	G2G2276
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	47	12	ug/kg	
11104-28-2	Aroclor 1221	ND	47	28	ug/kg	
11141-16-5	Aroclor 1232	ND	47	24	ug/kg	
53469-21-9	Aroclor 1242	ND	47	15	ug/kg	
12672-29-6	Aroclor 1248	ND	47	14	ug/kg	
11097-69-1	Aroclor 1254	ND	47	22	ug/kg	
11096-82-5	Aroclor 1260	ND	47	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		22-141%
877-09-8	Tetrachloro-m-xylene	84%		22-141%
2051-24-3	Decachlorobiphenyl	74%		18-163%
2051-24-3	Decachlorobiphenyl	100%		18-163%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-11(12-14)
Lab Sample ID: JA97858-5
Matrix: SO - Soil
Date Sampled: 01/25/12
Date Received: 01/25/12
Percent Solids: 62.5
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	9.7	3.3	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Barium	310	33	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.59	0.33	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Cadmium	< 0.82	0.82	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Chromium	10.0	1.6	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Copper	58.9	4.1	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Lead	572	3.3	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Manganese	121	2.5	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.83	0.053	mg/kg	1	02/03/12	02/03/12	MP	SW846 7471B [2]	SW846 7471B [4]
Nickel	13.0	6.6	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Selenium	< 3.3	3.3	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Silver	< 0.82	0.82	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Zinc	137	3.3	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA27881
(2) Instrument QC Batch: MA27895
(3) Prep QC Batch: MP62535
(4) Prep QC Batch: MP62565

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-11(12-14)
Lab Sample ID: JA97858-5
Matrix: SO - Soil
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Date Sampled: 01/25/12
Date Received: 01/25/12
Percent Solids: 62.5

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.64	0.64	mg/kg	1	02/09/12 17:10	SY	SW846 3060A/7196A
Chromium, Trivalent [a]	9.4	2.2	mg/kg	1	02/09/12 17:10	SY	SW846 6010/7196A M
Cyanide	0.39	0.36	mg/kg	1	02/03/12 14:58	VA	SW846 9012 M/LACHAT
Redox Potential Vs H2	327		mv	1	02/07/12	SA	ASTM D1498-76M
Solids, Percent	62.5		%	1	02/06/12	BM	SM18 2540G
pH	7.13		su	1	02/07/12	SA	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-11(12-14)
Lab Sample ID: JA97858-5A
Matrix: SO - Soil
Date Sampled: 01/25/12
Date Received: 01/25/12
Percent Solids: 62.5
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Barium	2.0	D005	100	1.0	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 0.0050	D006	1.0	0.0050	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Lead	< 0.50	D008	5.0	0.50	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	02/01/12	02/01/12	MP	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA27880
(2) Instrument QC Batch: MA27896
(3) Prep QC Batch: MP62490
(4) Prep QC Batch: MP62494

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Report of Analysis

Client Sample ID:	RA-10(6-8)		
Lab Sample ID:	JA97858-6	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8260B	**Percent Solids:**	83.5
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G145534.D	1	01/28/12	SJM	n/a	n/a	VG6786
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	30.3	12	7.9	ug/kg	
71-43-2	Benzene	ND	1.2	0.16	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	5.2	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	0.28	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.0	0.19	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.0	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	0.41	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	0.39	ug/kg	
67-66-3	Chloroform	ND	6.0	0.58	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.0	0.33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.0	0.23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.0	0.20	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	0.26	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.22	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.0	0.39	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	0.51	ug/kg	
123-91-1	1,4-Dioxane	ND	150	70	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.18	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.21	ug/kg	
75-09-2	Methylene chloride	ND	6.0	0.28	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	0.41	ug/kg	
127-18-4	Tetrachloroethene	ND	6.0	0.23	ug/kg	
108-88-3	Toluene	ND	1.2	0.45	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	0.29	ug/kg	
79-01-6	Trichloroethene	ND	6.0	0.30	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	0.15	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	0.55	ug/kg	
	m,p-Xylene	ND	1.2	0.38	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.22	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.22	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-10(6-8)		
Lab Sample ID:	JA97858-6	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8260B	**Percent Solids:**	83.5
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-131%
17060-07-0	1,2-Dichloroethane-D4	87%		66-130%
2037-26-5	Toluene-D8	96%		76-125%
460-00-4	4-Bromofluorobenzene	95%		53-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-10(6-8)		
Lab Sample ID:	JA97858-6	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	83.5
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M84631.D	1	02/03/12	OYA	01/27/12	OP54485	EM3378
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	68	39	ug/kg	
	3&4-Methylphenol	ND	68	43	ug/kg	
87-86-5	Pentachlorophenol	ND	340	59	ug/kg	
108-95-2	Phenol	ND	68	36	ug/kg	
83-32-9	Acenaphthene	ND	34	9.9	ug/kg	
208-96-8	Acenaphthylene	ND	34	11	ug/kg	
120-12-7	Anthracene	23.0	34	12	ug/kg	J
56-55-3	Benzo(a)anthracene	46.1	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	43.6	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	38.9	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	36.8	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	13	ug/kg	
218-01-9	Chrysene	44.2	34	12	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	12	ug/kg	
132-64-9	Dibenzofuran	ND	68	10	ug/kg	
206-44-0	Fluoranthene	88.2	34	15	ug/kg	
86-73-7	Fluorene	ND	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	28.2	34	12	ug/kg	J
91-20-3	Naphthalene	ND	34	9.3	ug/kg	
85-01-8	Phenanthrene	82.5	34	16	ug/kg	
129-00-0	Pyrene	137	34	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		21-116%
4165-62-2	Phenol-d5	67%		19-117%
118-79-6	2,4,6-Tribromophenol	98%		24-136%
4165-60-0	Nitrobenzene-d5	86%		21-122%
321-60-8	2-Fluorobiphenyl	84%		30-117%
1718-51-0	Terphenyl-d14	104%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-10(6-8)
Lab Sample ID: JA97858-6 **Date Sampled:** 01/25/12
Matrix: SO - Soil **Date Received:** 01/25/12
Method: SW846 8151 SW846 3550C **Percent Solids:** 83.5
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW107274.D	1	02/02/12	VDT	01/27/12	OP54487	GWW3779
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
93-72-1	2,4,5-TP (Silvex)	ND	3.4	0.60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	60%		13-146%
19719-28-9	2,4-DCAA	48%		13-146%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-10(6-8)		
Lab Sample ID:	JA97858-6	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8081B SW846 3545A	**Percent Solids:**	83.5
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G71108.D	1	02/01/12	DS	01/27/12	OP54482	G1G2562
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.70	0.35	ug/kg	
319-84-6	alpha-BHC	ND	0.70	0.52	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.49	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.41	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	0.32	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.70	0.46	ug/kg	
60-57-1	Dieldrin	ND	0.70	0.54	ug/kg	
72-54-8	4,4'-DDD	ND	0.70	0.36	ug/kg	
72-55-9	4,4'-DDE	ND	0.70	0.41	ug/kg	
50-29-3	4,4'-DDT	ND	0.70	0.51	ug/kg	
72-20-8	Endrin	ND	0.70	0.36	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.63	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.34	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.46	ug/kg	
76-44-8	Heptachlor	ND	0.70	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	51%		23-137%
877-09-8	Tetrachloro-m-xylene	57%		23-137%
2051-24-3	Decachlorobiphenyl	45%		22-160%
2051-24-3	Decachlorobiphenyl	67%		22-160%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-10(6-8)		
Lab Sample ID:	JA97858-6	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8082A SW846 3545A	**Percent Solids:**	83.5
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G63063.D	1	01/31/12	AZ	01/27/12	OP54481	G2G2276
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	9.1	ug/kg	
11104-28-2	Aroclor 1221	ND	35	21	ug/kg	
11141-16-5	Aroclor 1232	ND	35	18	ug/kg	
53469-21-9	Aroclor 1242	ND	35	11	ug/kg	
12672-29-6	Aroclor 1248	ND	35	11	ug/kg	
11097-69-1	Aroclor 1254	ND	35	16	ug/kg	
11096-82-5	Aroclor 1260	ND	35	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	62%		22-141%
877-09-8	Tetrachloro-m-xylene	64%		22-141%
2051-24-3	Decachlorobiphenyl	64%		18-163%
2051-24-3	Decachlorobiphenyl	86%		18-163%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-10(6-8)
Lab Sample ID: JA97858-6
Matrix: SO - Soil
Date Sampled: 01/25/12
Date Received: 01/25/12
Percent Solids: 83.5
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	11.6	2.5	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Barium	75.3	25	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.33	0.25	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Cadmium	< 0.62	0.62	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Chromium	13.0	1.2	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Copper	32.6	3.1	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Lead	86.7	2.5	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Manganese	128	1.9	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.097	0.040	mg/kg	1	02/03/12	02/03/12	MP	SW846 7471B [2]	SW846 7471B [4]
Nickel	10.5	4.9	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Selenium	< 2.5	2.5	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Silver	< 0.62	0.62	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Zinc	210	2.5	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA27881
(2) Instrument QC Batch: MA27895
(3) Prep QC Batch: MP62535
(4) Prep QC Batch: MP62565

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-10(6-8)
Lab Sample ID: JA97858-6
Matrix: SO - Soil
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Date Sampled: 01/25/12
Date Received: 01/25/12
Percent Solids: 83.5

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.52	0.48	mg/kg	1	02/09/12 17:10	SY	SW846 3060A/7196A
Chromium, Trivalent [a]	12.5	1.7	mg/kg	1	02/09/12 17:10	SY	SW846 6010/7196A M
Cyanide	< 0.27	0.27	mg/kg	1	02/03/12 14:59	VA	SW846 9012 M/LACHAT
Redox Potential Vs H2	346		mv	1	02/07/12	SA	ASTM D1498-76M
Solids, Percent	83.5		%	1	02/06/12	BM	SM18 2540G
pH	7.88		su	1	02/07/12	SA	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-10(6-8)
Lab Sample ID: JA97858-6A
Matrix: SO - Soil
Date Sampled: 01/25/12
Date Received: 01/25/12
Percent Solids: 83.5
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Barium	< 1.0	D005	100	1.0	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 0.0050	D006	1.0	0.0050	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Lead	< 0.50	D008	5.0	0.50	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	02/01/12	02/01/12	MP	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA27880
(2) Instrument QC Batch: MA27896
(3) Prep QC Batch: MP62490
(4) Prep QC Batch: MP62494

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Report of Analysis

Client Sample ID:	RA-14(10-12)		
Lab Sample ID:	JA97858-7	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8260B	**Percent Solids:**	86.6
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G145535.D	1	01/28/12	SJM	n/a	n/a	VG6786
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	24.0	11	7.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.15	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	4.9	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	0.27	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.7	0.18	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.7	0.16	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	0.39	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	0.36	ug/kg	
67-66-3	Chloroform	ND	5.7	0.55	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.7	0.31	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.7	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.7	0.19	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	0.25	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.21	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.7	0.69	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.7	0.36	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.7	0.48	ug/kg	
123-91-1	1,4-Dioxane	ND	140	66	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.17	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.20	ug/kg	
75-09-2	Methylene chloride	ND	5.7	0.26	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	0.39	ug/kg	
127-18-4	Tetrachloroethene	ND	5.7	0.22	ug/kg	
108-88-3	Toluene	ND	1.1	0.43	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	0.27	ug/kg	
79-01-6	Trichloroethene	ND	5.7	0.28	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	0.14	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	0.52	ug/kg	
	m,p-Xylene	ND	1.1	0.36	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.21	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.21	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-14(10-12)		
Lab Sample ID:	JA97858-7	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8260B	**Percent Solids:**	86.6
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		67-131%
17060-07-0	1,2-Dichloroethane-D4	83%		66-130%
2037-26-5	Toluene-D8	98%		76-125%
460-00-4	4-Bromofluorobenzene	80%		53-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-14(10-12)
Lab Sample ID: JA97858-7 **Date Sampled:** 01/25/12
Matrix: SO - Soil **Date Received:** 01/25/12
Method: SW846 8270D SW846 3550C **Percent Solids:** 86.6
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M84632.D	1	02/03/12	OYA	01/27/12	OP54485	EM3378
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	66	38	ug/kg	
	3&4-Methylphenol	ND	66	42	ug/kg	
87-86-5	Pentachlorophenol	ND	330	56	ug/kg	
108-95-2	Phenol	ND	66	35	ug/kg	
83-32-9	Acenaphthene	556	33	9.5	ug/kg	
208-96-8	Acenaphthylene	23.4	33	11	ug/kg	J
120-12-7	Anthracene	676	33	12	ug/kg	
56-55-3	Benzo(a)anthracene	334	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	224	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	239	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	139	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	126	33	12	ug/kg	
218-01-9	Chrysene	289	33	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	46.7	33	11	ug/kg	
132-64-9	Dibenzofuran	329	66	9.8	ug/kg	
206-44-0	Fluoranthene	1250	33	15	ug/kg	
86-73-7	Fluorene	618	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	66	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	123	33	11	ug/kg	
91-20-3	Naphthalene	158	33	9.0	ug/kg	
85-01-8	Phenanthrene	2010	33	15	ug/kg	
129-00-0	Pyrene	1150	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		21-116%
4165-62-2	Phenol-d5	71%		19-117%
118-79-6	2,4,6-Tribromophenol	101%		24-136%
4165-60-0	Nitrobenzene-d5	93%		21-122%
321-60-8	2-Fluorobiphenyl	89%		30-117%
1718-51-0	Terphenyl-d14	107%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-14(10-12)
Lab Sample ID: JA97858-7 **Date Sampled:** 01/25/12
Matrix: SO - Soil **Date Received:** 01/25/12
Method: SW846 8151 SW846 3550C **Percent Solids:** 86.6
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW107275.D	1	02/02/12	VDT	01/27/12	OP54487	GWW3779
Run #2							

	Initial Weight	Final Volume
Run #1	35.4 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
93-72-1	2,4,5-TP (Silvex)	ND	3.3	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	77%		13-146%
19719-28-9	2,4-DCAA	66%		13-146%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-14(10-12)		
Lab Sample ID:	JA97858-7	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8081B SW846 3545A	**Percent Solids:**	86.6
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G71111.D	1	02/01/12	DS	01/27/12	OP54482	G1G2562
Run #2							

	Initial Weight	Final Volume
Run #1	17.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.66	0.33	ug/kg	
319-84-6	alpha-BHC	ND	0.66	0.50	ug/kg	
319-85-7	beta-BHC	ND	0.66	0.47	ug/kg	
319-86-8	delta-BHC	ND	0.66	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.66	0.30	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.66	0.43	ug/kg	
60-57-1	Dieldrin	ND	0.66	0.51	ug/kg	
72-54-8	4,4'-DDD	ND	0.66	0.34	ug/kg	
72-55-9	4,4'-DDE	ND	0.66	0.39	ug/kg	
50-29-3	4,4'-DDT	ND	0.66	0.49	ug/kg	
72-20-8	Endrin	ND	0.66	0.34	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.66	0.60	ug/kg	
959-98-8	Endosulfan-I	ND	0.66	0.32	ug/kg	
33213-65-9	Endosulfan-II	ND	0.66	0.44	ug/kg	
76-44-8	Heptachlor	ND	0.66	0.41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%		23-137%
877-09-8	Tetrachloro-m-xylene	65%		23-137%
2051-24-3	Decachlorobiphenyl	73%		22-160%
2051-24-3	Decachlorobiphenyl	69%		22-160%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-14(10-12)		
Lab Sample ID:	JA97858-7	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8082A SW846 3545A	**Percent Solids:**	86.6
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G63064.D	1	01/31/12	AZ	01/27/12	OP54481	G2G2276
Run #2							

	Initial Weight	Final Volume
Run #1	17.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	8.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	20	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	11	ug/kg	
12672-29-6	Aroclor 1248	ND	33	10	ug/kg	
11097-69-1	Aroclor 1254	ND	33	16	ug/kg	
11096-82-5	Aroclor 1260	ND	33	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		22-141%
877-09-8	Tetrachloro-m-xylene	77%		22-141%
2051-24-3	Decachlorobiphenyl	79%		18-163%
2051-24-3	Decachlorobiphenyl	103%		18-163%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-14(10-12)
Lab Sample ID: JA97858-7
Matrix: SO - Soil
Date Sampled: 01/25/12
Date Received: 01/25/12
Percent Solids: 86.6
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 2.4	2.4	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Barium	49.5	24	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.41	0.24	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Cadmium	< 0.59	0.59	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Chromium	17.4	1.2	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Copper	20.7	2.9	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Lead	34.6	2.4	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Manganese	180	1.8	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.061	0.037	mg/kg	1	02/03/12	02/03/12	MP	SW846 7471B [2]	SW846 7471B [4]
Nickel	11.9	4.7	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Selenium	< 2.4	2.4	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Silver	< 0.59	0.59	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]
Zinc	44.1	2.4	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA27881
(2) Instrument QC Batch: MA27895
(3) Prep QC Batch: MP62535
(4) Prep QC Batch: MP62565

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-14(10-12)
Lab Sample ID: JA97858-7 **Date Sampled:** 01/25/12
Matrix: SO - Soil **Date Received:** 01/25/12
Percent Solids: 86.6
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.61	0.46	mg/kg	1	02/09/12 17:10	SY	SW846 3060A/7196A
Chromium, Trivalent [a]	16.8	1.7	mg/kg	1	02/09/12 17:10	SY	SW846 6010/7196A M
Cyanide	< 0.28	0.28	mg/kg	1	02/03/12 15:00	VA	SW846 9012 M/LACHAT
Redox Potential Vs H2	324		mv	1	02/07/12	SA	ASTM D1498-76M
Solids, Percent	86.6		%	1	02/06/12	BM	SM18 2540G
pH	7.32		su	1	02/07/12	SA	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-14(10-12)
Lab Sample ID: JA97858-7A
Matrix: SO - Soil
Date Sampled: 01/25/12
Date Received: 01/25/12
Percent Solids: 86.6
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Barium	< 1.0	D005	100	1.0	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 0.0050	D006	1.0	0.0050	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Lead	< 0.50	D008	5.0	0.50	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	02/02/12	02/02/12	MP	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA27885
(2) Instrument QC Batch: MA27896
(3) Prep QC Batch: MP62542
(4) Prep QC Batch: MP62549

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Report of Analysis

Client Sample ID: RA-15(9-11)
Lab Sample ID: JA97858-8 **Date Sampled:** 01/25/12
Matrix: SO - Soil **Date Received:** 01/25/12
Method: SW846 8260B **Percent Solids:** 70.7
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G145536.D	1	01/28/12	SJM	n/a	n/a	VG6786
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	178	13	8.8	ug/kg	
71-43-2	Benzene	ND	1.3	0.18	ug/kg	
78-93-3	2-Butanone (MEK)	44.9	13	5.8	ug/kg	
104-51-8	n-Butylbenzene	ND	6.7	0.31	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.7	0.21	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.7	0.18	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	0.46	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	0.43	ug/kg	
67-66-3	Chloroform	ND	6.7	0.64	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.7	0.37	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.7	0.26	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.7	0.23	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	0.29	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.24	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.7	0.82	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.7	0.43	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.7	0.57	ug/kg	
123-91-1	1,4-Dioxane	ND	170	78	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.20	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.24	ug/kg	
75-09-2	Methylene chloride	ND	6.7	0.31	ug/kg	
103-65-1	n-Propylbenzene	ND	6.7	0.46	ug/kg	
127-18-4	Tetrachloroethene	ND	6.7	0.25	ug/kg	
108-88-3	Toluene	ND	1.3	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	0.32	ug/kg	
79-01-6	Trichloroethene	ND	6.7	0.33	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.7	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.7	0.17	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	0.62	ug/kg	
	m,p-Xylene	ND	1.3	0.42	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.25	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.25	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-15(9-11)		
Lab Sample ID:	JA97858-8	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
Method:	SW846 8260B	**Percent Solids:**	70.7
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-131%
17060-07-0	1,2-Dichloroethane-D4	84%		66-130%
2037-26-5	Toluene-D8	102%		76-125%
460-00-4	4-Bromofluorobenzene	81%		53-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-15(9-11)
Lab Sample ID: JA97858-8 **Date Sampled:** 01/25/12
Matrix: SO - Soil **Date Received:** 01/25/12
Method: SW846 8270D SW846 3550C **Percent Solids:** 70.7
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M84633.D	1	02/03/12	OYA	01/27/12	OP54485	EM3378
Run #2							

	Initial Weight	Final Volume
Run #1	35.6 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	79	45	ug/kg	
	3&4-Methylphenol	ND	79	50	ug/kg	
87-86-5	Pentachlorophenol	ND	400	68	ug/kg	
108-95-2	Phenol	ND	79	42	ug/kg	
83-32-9	Acenaphthene	31.4	40	12	ug/kg	J
208-96-8	Acenaphthylene	ND	40	13	ug/kg	
120-12-7	Anthracene	103	40	14	ug/kg	
56-55-3	Benzo(a)anthracene	273	40	13	ug/kg	
50-32-8	Benzo(a)pyrene	259	40	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	277	40	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	187	40	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	130	40	15	ug/kg	
218-01-9	Chrysene	282	40	13	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	69.7	40	14	ug/kg	
132-64-9	Dibenzofuran	ND	79	12	ug/kg	
206-44-0	Fluoranthene	422	40	18	ug/kg	
86-73-7	Fluorene	34.9	40	13	ug/kg	J
118-74-1	Hexachlorobenzene	ND	79	13	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	169	40	14	ug/kg	
91-20-3	Naphthalene	22.0	40	11	ug/kg	J
85-01-8	Phenanthrene	270	40	18	ug/kg	
129-00-0	Pyrene	570	40	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		21-116%
4165-62-2	Phenol-d5	68%		19-117%
118-79-6	2,4,6-Tribromophenol	102%		24-136%
4165-60-0	Nitrobenzene-d5	92%		21-122%
321-60-8	2-Fluorobiphenyl	89%		30-117%
1718-51-0	Terphenyl-d14	109%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-15(9-11)
Lab Sample ID: JA97858-8 **Date Sampled:** 01/25/12
Matrix: SO - Soil **Date Received:** 01/25/12
Method: SW846 8151 SW846 3550C **Percent Solids:** 70.7
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW107276.D	1	02/02/12	VDT	01/27/12	OP54487	GWW3779
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
93-72-1	2,4,5-TP (Silvex)	ND	4.0	0.71	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	79%		13-146%
19719-28-9	2,4-DCAA	60%		13-146%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-15(9-11)
Lab Sample ID: JA97858-8 **Date Sampled:** 01/25/12
Matrix: SO - Soil **Date Received:** 01/25/12
Method: SW846 8081B SW846 3545A **Percent Solids:** 70.7
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G71112.D	1	02/01/12	DS	01/27/12	OP54482	G1G2562
Run #2							

	Initial Weight	Final Volume
Run #1	17.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.81	0.40	ug/kg	
319-84-6	alpha-BHC	ND	0.81	0.61	ug/kg	
319-85-7	beta-BHC	ND	0.81	0.57	ug/kg	
319-86-8	delta-BHC	ND	0.81	0.47	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.81	0.37	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.81	0.53	ug/kg	
60-57-1	Dieldrin	ND	0.81	0.63	ug/kg	
72-54-8	4,4'-DDD	ND	0.81	0.41	ug/kg	
72-55-9	4,4'-DDE	ND	0.81	0.48	ug/kg	
50-29-3	4,4'-DDT	ND	0.81	0.59	ug/kg	
72-20-8	Endrin	ND	0.81	0.41	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.81	0.73	ug/kg	
959-98-8	Endosulfan-I	ND	0.81	0.39	ug/kg	
33213-65-9	Endosulfan-II	ND	0.81	0.53	ug/kg	
76-44-8	Heptachlor	ND	0.81	0.50	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		23-137%
877-09-8	Tetrachloro-m-xylene	66%		23-137%
2051-24-3	Decachlorobiphenyl	67%		22-160%
2051-24-3	Decachlorobiphenyl	68%		22-160%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-15(9-11)
Lab Sample ID: JA97858-8 **Date Sampled:** 01/25/12
Matrix: SO - Soil **Date Received:** 01/25/12
Method: SW846 8082A SW846 3545A **Percent Solids:** 70.7
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G63065.D	1	01/31/12	AZ	01/27/12	OP54481	G2G2276
Run #2							

	Initial Weight	Final Volume
Run #1	17.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	11	ug/kg	
11104-28-2	Aroclor 1221	ND	40	24	ug/kg	
11141-16-5	Aroclor 1232	ND	40	20	ug/kg	
53469-21-9	Aroclor 1242	ND	40	13	ug/kg	
12672-29-6	Aroclor 1248	ND	40	12	ug/kg	
11097-69-1	Aroclor 1254	ND	40	19	ug/kg	
11096-82-5	Aroclor 1260	ND	40	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		22-141%
877-09-8	Tetrachloro-m-xylene	82%		22-141%
2051-24-3	Decachlorobiphenyl	79%		18-163%
2051-24-3	Decachlorobiphenyl	104%		18-163%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-15(9-11)
Lab Sample ID: JA97858-8
Matrix: SO - Soil
Date Sampled: 01/25/12
Date Received: 01/25/12
Percent Solids: 70.7
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	15.1	2.9	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [4]
Barium	967	29	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [4]
Beryllium	0.70	0.29	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [4]
Cadmium	2.9	0.71	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [4]
Chromium	38.2	1.4	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [4]
Copper	246	3.6	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [4]
Lead	1720	2.9	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [4]
Manganese	476	2.1	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [4]
Mercury	0.33	0.045	mg/kg	1	02/03/12	02/03/12	MP	SW846 7471B [3]	SW846 7471B [5]
Nickel	49.1	5.7	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [4]
Selenium	< 2.9	2.9	mg/kg	1	02/01/12	02/02/12	BL	SW846 6010C [2]	SW846 3050B [4]
Silver	0.79	0.71	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [4]
Zinc	1930	2.9	mg/kg	1	02/01/12	02/01/12	BL	SW846 6010C [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA27881
(2) Instrument QC Batch: MA27891
(3) Instrument QC Batch: MA27895
(4) Prep QC Batch: MP62535
(5) Prep QC Batch: MP62565

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-15(9-11)
Lab Sample ID: JA97858-8
Matrix: SO - Soil
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Date Sampled: 01/25/12
Date Received: 01/25/12
Percent Solids: 70.7

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.57	0.57	mg/kg	1	02/09/12 17:10	SY	SW846 3060A/7196A
Chromium, Trivalent [a]	38.2	2.0	mg/kg	1	02/09/12 17:10	SY	SW846 6010/7196A M
Cyanide	< 0.33	0.33	mg/kg	1	02/03/12 15:02	VA	SW846 9012 M/LACHAT
Redox Potential Vs H2	355		mv	1	02/07/12	SA	ASTM D1498-76M
Solids, Percent	70.7		%	1	02/07/12	HS	SM18 2540G
pH	7.53		su	1	02/07/12	SA	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-15(9-11)
Lab Sample ID: JA97858-8A
Matrix: SO - Soil
Date Sampled: 01/25/12
Date Received: 01/25/12
Percent Solids: 70.7
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Barium	3.5	D005	100	1.0	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Cadmium	0.020	D006	1.0	0.0050	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Lead	2.4	D008	5.0	0.50	mg/l	1	02/01/12	02/07/12	BL	SW846 6010C [3]	SW846 3010A [5]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	02/01/12	02/01/12	MP	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA27880
(2) Instrument QC Batch: MA27896
(3) Instrument QC Batch: MA27906
(4) Prep QC Batch: MP62490
(5) Prep QC Batch: MP62494

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

New Jersey ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
Tel: 732-329-0200 FAX: 732-329-3499/3480
www. acutest.com

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # JA97858

Client / Reporting Information
Company Name: Roux Associates
Street Address: 209 Shafter St.
City: Islandia State: NY Zip: 11749
Project Contact: Josh Levine E-mail: jlevine@rouxinc.com
Phone #: (631) 232-2600 /9898 Fax #
Sampler(s) Name(s): E. Livingstone Phone #: (631) 926 2552

Project Information
Project Name: Rego Park 2 Property, Vornado
Street: 93-30 Horace Harding Expwy
City: Queens State: NY
Project #: 0987.0016Y000
Client Purchase Order #
Project Manager: Josh Levine

Billing Information (if different from Report to): Company Name, Street Address, City, State, Zip, Attention:

Requested Analysis (see TEST CODE sheet): TCL/PM, SVOC, Metals, PPCB, Herb (NY State Part 375); VOC; HERB; METALS; PPCB; SVOC

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TCL/PM, SVOC, Metals, PPCB, Herb	VOC	HERB	METALS	PPCB	SVOC	LAB USE ONLY
-1	~~FB-012512~~		1/25/12	1000	EL	WW	10	3		1		6					✓	✓	✓	✓	✓	MN 1/26/12
-2	RA-12 (1-3)		1/24/12	0915	EL	SO	3					3				✓	✓					Ex 3
-3	~~FB-012412~~		1/24/12	1415	EL	WW	10	2		1		6					✓	✓	✓	✓	✓	MN 1/26/12 AMET 24
-4	~~TRIP BLANK~~		1/23/12	0600	JK	WW	2	2									✓					MN 1/26/12 812
-5	RA-11 (12-14)		1/25/12	1145	EL	SO	3					3				✓	✓					UTC 25
-6	RA-10 (6-8)		1/25/12	1300	EL	SO	3					3				✓	✓					1902
-7	RA-14 (10-12)		1/25/12	1420	EL	SO	3					3				✓	✓					9016
-8	RA-15 (9-11)		1/25/12	1500	EL	SO	3					3				✓	✓					

FBx2 + TB not received per Josh Levine / MN 1/26/12

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL - Sludge, SED-Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB-Field Blank, EB-Equipment Blank, RB- Rinse Blank, TB-Trip Blank

Turnaround Time (Business days)
- [x] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [x] ~~NYASP Category B~~
- [ ] State Forms
- [ ] EDD Format
- [x] Other Electronic

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions
Deliverable: Electronic
TAT: w/in holding time for samples
Analyses: NY State Part 375

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1 E. Livingstone	Date Time: 1/25/12 1515	Received By: 1 Chris Law	Relinquished By: 2 Chris Law	Date Time: 1/25/12 1705	Received By: 2 [signature]
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Intact / Not intact; Preserved where applicable	On Ice: ☒ Cooler Temp. 3°C, 1°C

JA97858: Chain of Custody
Page 1 of 2

Job Change Order: JA97858_2/20/2012

Requested Date:	2/20/2012	**Received Date:**	1/25/2012
Account Name:	Roux Associates	**Due Date:**	2/8/2012
Project	Rego Park Z Property, Vornado, 93-30 Horace	**Deliverable:**	NYASPB
CSR:	MV	**TAT (Days):**	3

Sample #:
JA97858-2, 5, 6, 7, 8

Change: Relog for XXCRAR

Above Changes Per: Lab

Date: 2/20/2012

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

JA97858: Chain of Custody
Page 2 of 2

New Jersey ACCUTEST LABORATORIES

03/05/12

Technical Report for

Roux Associates

Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

0987.0016Y000

Accutest Job Number: JA97858R

Sampling Dates: 01/24/12 - 01/25/12

Report to:

Roux Associates

jlevine@rouxinc.com

ATTN: Josh Levine

Total number of pages in report: **13**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

Sections: 1 2 3 4

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Sample Summary

Roux Associates

Job No: JA97858R

Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY
Project No: 0987.0016Y000

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA97858-2R	01/24/12	09:15	EL	01/25/12	SO	Soil	RA-12(1-3)
JA97858-5R	01/25/12	11:45	EL	01/25/12	SO	Soil	RA-11(12-14)
JA97858-6R	01/25/12	13:00	EL	01/25/12	SO	Soil	RA-10(6-8)
JA97858-7R	01/25/12	14:20	EL	01/25/12	SO	Soil	RA-14(10-12)
JA97858-8R	01/25/12	15:00	EL	01/25/12	SO	Soil	RA-15(9-11)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Roux Associates	**Job No**	JA97858R
Site:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway,	**Report Date**	2/22/2012 1:21:58 PM

On 01/25/2012, 5 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 3 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JA97858R was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Wet Chemistry By Method SW846 3060A/7196A

Matrix: SO **Batch ID:** GP63122

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98069-3RDUP, JA98069-3RMS were used as the QC samples for Chromium, Hexavalent.
- Matrix Spike Recovery(s) for Chromium, Hexavalent are outside control limits. Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.
- GP63122-S1 for Chromium, Hexavalent: Soluble XCR matrix spike recovery indicates possible matrix interference. Good post spike recovery (105%) on this sample.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

New Jersey ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	RA-12(1-3)		
Lab Sample ID:	JA97858-2R	**Date Sampled:**	01/24/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
		Percent Solids:	88.3
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.45	0.45	mg/kg	1	02/21/12 12:11	SY	SW846 3060A/7196A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RA-11(12-14)		
Lab Sample ID:	JA97858-5R	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
		Percent Solids:	62.5
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.64	0.64	mg/kg	1	02/21/12 12:11	SY	SW846 3060A/7196A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RA-10(6-8)		
Lab Sample ID:	JA97858-6R	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
		Percent Solids:	83.5
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.48	0.48	mg/kg	1	02/21/12 12:11	SY	SW846 3060A/7196A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RA-14(10-12)		
Lab Sample ID:	JA97858-7R	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
		Percent Solids:	86.6
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.46	0.46	mg/kg	1	02/21/12 12:11	SY	SW846 3060A/7196A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RA-15(9-11)		
Lab Sample ID:	JA97858-8R	**Date Sampled:**	01/25/12
Matrix:	SO - Soil	**Date Received:**	01/25/12
		Percent Solids:	70.7
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.57	0.57	mg/kg	1	02/21/12 12:11	SY	SW846 3060A/7196A

RL = Reporting Limit

New Jersey ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

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Tel: 732-329-0200 FAX: 732-329-3499/3480
www.acutest.com

PAGE 1 OF 1

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job # JA97858

Client / Reporting Information

Company Name: Roux Associates
Street Address: 209 Shafter St.
City: Islandia State: NY Zip: 11749
Project Contact: Josh Levine E-mail: jlevine@rouxinc.com
Phone #: (631) 232-2600 /9898 Fax #
Sampler(s) Name(s): E. Livingstone Phone #: (631) 926 2552

Project Information

Project Name: Rego Park 2 Property, Vornado
Street: 93-30 Horace Harding Expwy
City: Queens State: NY
Project #: 0987.0016Y000
Client Purchase Order #
Project Manager: Josh Levine

Billing Information (if different from Report to)
Company Name
Street Address
City State Zip
Attention:

Requested Analysis (see TEST CODE sheet): TCL/PM, SVOC, Metals, PPCB, Herb (NY State Part 375); VOC; HERB; METALS; PPCB; SVOC

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL - Sludge, SED - Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB - Field Blank, EB - Equipment Blank, RB - Rinse Blank, TB - Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TCL/PM, SVOC, Metals, PPCB, Herb	VOC	HERB	METALS	PPCB	SVOC	LAB USE ONLY
-1	FB-012512		1/25/12	1000	EL	WW	10	3		1		6					✓	✓	✓	✓	✓	MN 1/26/12
-2	RA-12 (1-3)		1/24/12	0915	EL	SO	3					3				✓	✓					Ex 3
~~-3~~	~~FB-012412~~		~~1/24/12~~	~~1415~~	~~EL~~	~~WW~~	~~10~~	~~2~~		~~1~~		~~6~~					✓	✓	✓	✓	✓	MN 1/26/12 AMET 24
~~-4~~	~~TRIP BLANK~~		~~1/23/12~~	~~0600~~	~~JK~~	~~WW~~	~~2~~	~~2~~									✓					MN 1/26/12 812
-5	RA-11 (12-14)		1/25/12	1145	EL	SO	3					3				✓	✓					UTC 25
-6	RA-10 (6-8)		1/25/12	1300	EL	SO	3					3				✓	✓					1902
-7	RA-14 (10-12)		1/25/12	1420	EL	SO	3					3				✓	✓					9016
-8	RA-15 (9-11)		1/25/12	1500	EL	SO	3					3				✓	✓					

FBx2 + TB not needed per Josh Levine / MN 1/26/12

Turnaround Time (Business days)

- [x] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [x] Other Electronic

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Deliverable: Electronic
TAT: w/in holding time for samples
Analyses: NY State Part 375

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 E. Livingstone	1/25/12 1515	1 Chris Lau	2 Chris Lau	1/25/12 1705	2 [signature]
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	☐ Intact ☐ Not intact; Preserved where applicable	On Ice ☒; Cooler Temp. 3°C, 1°C

1A

JA97858R: Chain of Custody
Page 1 of 2

Job Change Order: JA97858_2/20/2012

Requested Date:	2/20/2012	**Received Date:**	1/25/2012
Account Name:	Roux Associates	**Due Date:**	2/8/2012
Project	Rego Park Z Property, Vornado, 93-30 Horace	**Deliverable:**	NYASPB
CSR:	MV	**TAT (Days):**	3

Sample #:
JA97858-2, 5, 6, 7, 8

Change: Relog for XXCRAR

Above Changes Per: Lab

Date: 2/20/2012

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

JA97858R: Chain of Custody
Page 2 of 2

Report of Analysis

Client Sample ID: RA-9 (8-10)
Lab Sample ID: JA98069-1 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8260B **Percent Solids:** 82.1
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A180159.D	1	01/31/12	OTR	n/a	n/a	VA6726
Run #2							

	Initial Weight
Run #1	4.3 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	45.8	14	9.4	ug/kg	
71-43-2	Benzene	0.88	1.4	0.19	ug/kg	J
78-93-3	2-Butanone (MEK)	ND	14	6.1	ug/kg	
104-51-8	n-Butylbenzene	ND	7.1	0.33	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.1	0.23	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.1	0.20	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.1	0.49	ug/kg	
108-90-7	Chlorobenzene	ND	7.1	0.46	ug/kg	
67-66-3	Chloroform	ND	7.1	0.68	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	7.1	0.39	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	7.1	0.27	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	7.1	0.24	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.1	0.31	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.26	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7.1	0.87	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7.1	0.46	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7.1	0.60	ug/kg	
123-91-1	1,4-Dioxane	ND	180	82	ug/kg	
100-41-4	Ethylbenzene	0.93	1.4	0.21	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.25	ug/kg	
75-09-2	Methylene chloride	ND	7.1	0.33	ug/kg	
103-65-1	n-Propylbenzene	ND	7.1	0.49	ug/kg	
127-18-4	Tetrachloroethene	ND	7.1	0.27	ug/kg	
108-88-3	Toluene	0.84	1.4	0.54	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	7.1	0.34	ug/kg	
79-01-6	Trichloroethene	ND	7.1	0.35	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.1	1.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.1	0.18	ug/kg	
75-01-4	Vinyl chloride	ND	7.1	0.65	ug/kg	
	m,p-Xylene	1.3	1.4	0.44	ug/kg	J
95-47-6	o-Xylene	0.57	1.4	0.26	ug/kg	J
1330-20-7	Xylene (total)	1.9	1.4	0.26	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-9 (8-10)		
Lab Sample ID:	JA98069-1	**Date Sampled:**	01/26/12
Matrix:	SO - Soil	**Date Received:**	01/27/12
Method:	SW846 8260B	**Percent Solids:**	82.1
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		67-131%
17060-07-0	1,2-Dichloroethane-D4	89%		66-130%
2037-26-5	Toluene-D8	103%		76-125%
460-00-4	4-Bromofluorobenzene	102%		53-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-9 (8-10)
Lab Sample ID: JA98069-1 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8270D SW846 3550C **Percent Solids:** 82.1
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P8470.D	1	02/07/12	NAP	01/30/12	OP54517	E3P400
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	44	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
83-32-9	Acenaphthene	97.5	35	10	ug/kg	
208-96-8	Acenaphthylene	43.7	35	11	ug/kg	
120-12-7	Anthracene	275	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	634	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	572	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	451	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	309	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	344	35	13	ug/kg	
218-01-9	Chrysene	670	35	12	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	122	35	12	ug/kg	
132-64-9	Dibenzofuran	45.1	70	10	ug/kg	J
206-44-0	Fluoranthene	1080	35	15	ug/kg	
86-73-7	Fluorene	116	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	288	35	12	ug/kg	
91-20-3	Naphthalene	26.7	35	9.5	ug/kg	J
85-01-8	Phenanthrene	1110	35	16	ug/kg	
129-00-0	Pyrene	1150	35	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	75%		21-116%
4165-62-2	Phenol-d5	69%		19-117%
118-79-6	2,4,6-Tribromophenol	95%		24-136%
4165-60-0	Nitrobenzene-d5	78%		21-122%
321-60-8	2-Fluorobiphenyl	83%		30-117%
1718-51-0	Terphenyl-d14	89%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-9 (8-10)
Lab Sample ID: JA98069-1 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8151 SW846 3550C **Percent Solids:** 82.1
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW107283.D	1	02/03/12	VDT	01/30/12	OP54518	GWW3779
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
93-72-1	2,4,5-TP (Silvex)	ND	3.5	0.61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	127%		13-146%
19719-28-9	2,4-DCAA	103%		13-146%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-9 (8-10)
Lab Sample ID: JA98069-1 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8081B SW846 3545A **Percent Solids:** 82.1
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G14684.D	1	02/03/12	CT	01/30/12	OP54531	G4G406
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.72	0.36	ug/kg	
319-84-6	alpha-BHC	ND	0.72	0.54	ug/kg	
319-85-7	beta-BHC	ND	0.72	0.50	ug/kg	
319-86-8	delta-BHC	ND	0.72	0.42	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.72	0.33	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.72	0.47	ug/kg	
60-57-1	Dieldrin	ND	0.72	0.55	ug/kg	
72-54-8	4,4'-DDD	ND	0.72	0.37	ug/kg	
72-55-9	4,4'-DDE	ND	0.72	0.42	ug/kg	
50-29-3	4,4'-DDT	ND	0.72	0.53	ug/kg	
72-20-8	Endrin	ND	0.72	0.37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.72	0.65	ug/kg	
959-98-8	Endosulfan-I	ND	0.72	0.35	ug/kg	
33213-65-9	Endosulfan-II	ND	0.72	0.47	ug/kg	
76-44-8	Heptachlor	ND	0.72	0.44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		23-137%
877-09-8	Tetrachloro-m-xylene	31%		23-137%
2051-24-3	Decachlorobiphenyl	34%		22-160%
2051-24-3	Decachlorobiphenyl	42%		22-160%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-9 (8-10)
Lab Sample ID: JA98069-1 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8082A SW846 3545A **Percent Solids:** 82.1
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF105946.D	1	01/31/12	CT	01/30/12	OP54530	GEF4411
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	9.3	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	18	ug/kg	
53469-21-9	Aroclor 1242	ND	36	11	ug/kg	
12672-29-6	Aroclor 1248	ND	36	11	ug/kg	
11097-69-1	Aroclor 1254	ND	36	17	ug/kg	
11096-82-5	Aroclor 1260	ND	36	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	43%		22-141%
877-09-8	Tetrachloro-m-xylene	82%		22-141%
2051-24-3	Decachlorobiphenyl	33%		18-163%
2051-24-3	Decachlorobiphenyl	64%		18-163%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-9 (8-10)
Lab Sample ID: JA98069-1 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Percent Solids: 82.1
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	10.1	2.6	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Barium	2300	26	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.42	0.26	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Cadmium	1.7	0.64	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Chromium	35.6	1.3	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Copper	140	3.2	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Lead	2640	2.6	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Manganese	450	1.9	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.45	0.040	mg/kg	1	02/08/12	02/08/12	VK	SW846 7471B [2]	SW846 7471B [4]
Nickel	21.8	5.1	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Selenium	< 2.6	2.6	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Silver	1.7	0.64	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Zinc	1540	2.6	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA27906
(2) Instrument QC Batch: MA27918
(3) Prep QC Batch: MP62590
(4) Prep QC Batch: MP62629

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-9 (8-10)
Lab Sample ID: JA98069-1 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Percent Solids: 82.1
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.53	0.49	mg/kg	1	02/09/12 17:10	SY	SW846 3060A/7196A
Chromium, Trivalent [a]	35.1	1.8	mg/kg	1	02/09/12 17:10	SY	SW846 6010/7196A M
Cyanide	< 0.28	0.28	mg/kg	1	02/03/12 19:01	CW	SW846 9012 M/LACHAT
Redox Potential Vs H2	277		mv	1	02/09/12	SA	ASTM D1498-76M
Solids, Percent	82.1		%	1	02/08/12	HS	SM18 2540G
pH	8.41		su	1	02/09/12	SA	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-9 (8-10)
Lab Sample ID: JA98069-1A
Matrix: SO - Soil
Date Sampled: 01/26/12
Date Received: 01/27/12
Percent Solids: 82.1
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Barium	5.7	D005	100	1.0	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Cadmium	0.034	D006	1.0	0.0050	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Chromium [a]	< 0.020	D007	5.0	0.020	mg/l	2	02/01/12	02/07/12	BL	SW846 6010C [3]	SW846 3010A [5]
Lead	32.7	D008	5.0	0.50	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	02/01/12	02/01/12	MP	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	02/01/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA27880
(2) Instrument QC Batch: MA27896
(3) Instrument QC Batch: MA27915
(4) Prep QC Batch: MP62491
(5) Prep QC Batch: MP62495

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Report of Analysis

Client Sample ID: RA-13 (6-8)
Lab Sample ID: JA98069-2 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8260B **Percent Solids:** 88.9
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G145622.D	1	02/01/12	SJM	n/a	n/a	VG6790
Run #2							

	Initial Weight
Run #1	4.2 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	208	13	8.9	ug/kg	
71-43-2	Benzene	1.7	1.3	0.18	ug/kg	
78-93-3	2-Butanone (MEK)	85.0	13	5.8	ug/kg	
104-51-8	n-Butylbenzene	ND	6.7	0.31	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.7	0.21	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.7	0.18	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	0.46	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	0.43	ug/kg	
67-66-3	Chloroform	ND	6.7	0.65	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.7	0.37	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.7	0.26	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.7	0.23	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	0.29	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.24	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.7	0.82	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.7	0.43	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.7	0.57	ug/kg	
123-91-1	1,4-Dioxane	ND	170	78	ug/kg	
100-41-4	Ethylbenzene	1.6	1.3	0.20	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.24	ug/kg	
75-09-2	Methylene chloride	ND	6.7	0.31	ug/kg	
103-65-1	n-Propylbenzene	ND	6.7	0.46	ug/kg	
127-18-4	Tetrachloroethene	ND	6.7	0.26	ug/kg	
108-88-3	Toluene	1.3	1.3	0.51	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	0.32	ug/kg	
79-01-6	Trichloroethene	ND	6.7	0.33	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.7	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.7	0.17	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	0.62	ug/kg	
	m,p-Xylene	1.6	1.3	0.42	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.25	ug/kg	
1330-20-7	Xylene (total)	1.6	1.3	0.25	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-13 (6-8)		
Lab Sample ID:	JA98069-2	**Date Sampled:**	01/26/12
Matrix:	SO - Soil	**Date Received:**	01/27/12
Method:	SW846 8260B	**Percent Solids:**	88.9
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-131%
17060-07-0	1,2-Dichloroethane-D4	92%		66-130%
2037-26-5	Toluene-D8	97%		76-125%
460-00-4	4-Bromofluorobenzene	102%		53-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-13 (6-8)
Lab Sample ID: JA98069-2 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8270D SW846 3550C **Percent Solids:** 88.9
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P8471.D	1	02/07/12	NAP	01/30/12	OP54517	E3P400
Run #2							

	Initial Weight	Final Volume
Run #1	35.5 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	63	36	ug/kg	
	3&4-Methylphenol	ND	63	40	ug/kg	
87-86-5	Pentachlorophenol	ND	320	54	ug/kg	
108-95-2	Phenol	ND	63	33	ug/kg	
83-32-9	Acenaphthene	105	32	9.2	ug/kg	
208-96-8	Acenaphthylene	137	32	10	ug/kg	
120-12-7	Anthracene	294	32	11	ug/kg	
56-55-3	Benzo(a)anthracene	643	32	10	ug/kg	
50-32-8	Benzo(a)pyrene	687	32	9.7	ug/kg	
205-99-2	Benzo(b)fluoranthene	638	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	503	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	416	32	12	ug/kg	
218-01-9	Chrysene	712	32	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	234	32	11	ug/kg	
132-64-9	Dibenzofuran	45.4	63	9.4	ug/kg	J
206-44-0	Fluoranthene	1610	32	14	ug/kg	
86-73-7	Fluorene	120	32	10	ug/kg	
118-74-1	Hexachlorobenzene	ND	63	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	418	32	11	ug/kg	
91-20-3	Naphthalene	75.8	32	8.7	ug/kg	
85-01-8	Phenanthrene	939	32	14	ug/kg	
129-00-0	Pyrene	1220	32	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	84%		21-116%
4165-62-2	Phenol-d5	76%		19-117%
118-79-6	2,4,6-Tribromophenol	103%		24-136%
4165-60-0	Nitrobenzene-d5	84%		21-122%
321-60-8	2-Fluorobiphenyl	93%		30-117%
1718-51-0	Terphenyl-d14	97%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-13 (6-8)
Lab Sample ID: JA98069-2 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8151 SW846 3550C **Percent Solids:** 88.9
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW107284.D	1	02/03/12	VDT	01/30/12	OP54518	GWW3779
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
93-72-1	2,4,5-TP (Silvex)	ND	3.2	0.56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	95%		13-146%
19719-28-9	2,4-DCAA	105%		13-146%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-13 (6-8)
Lab Sample ID: JA98069-2 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8081B SW846 3545A **Percent Solids:** 88.9
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G14685.D	1	02/03/12	CT	01/30/12	OP54531	G4G406
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.66	0.33	ug/kg	
319-84-6	alpha-BHC	ND	0.66	0.50	ug/kg	
319-85-7	beta-BHC	ND	0.66	0.46	ug/kg	
319-86-8	delta-BHC	ND	0.66	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.66	0.30	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.66	0.43	ug/kg	
60-57-1	Dieldrin	ND	0.66	0.51	ug/kg	
72-54-8	4,4'-DDD	ND	0.66	0.34	ug/kg	
72-55-9	4,4'-DDE	ND	0.66	0.39	ug/kg	
50-29-3	4,4'-DDT	ND	0.66	0.49	ug/kg	
72-20-8	Endrin	ND	0.66	0.34	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.66	0.60	ug/kg	
959-98-8	Endosulfan-I	ND	0.66	0.32	ug/kg	
33213-65-9	Endosulfan-II	ND	0.66	0.44	ug/kg	
76-44-8	Heptachlor	ND	0.66	0.41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	123%		23-137%
877-09-8	Tetrachloro-m-xylene	83%		23-137%
2051-24-3	Decachlorobiphenyl	150%		22-160%
2051-24-3	Decachlorobiphenyl	203% [a]		22-160%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-13 (6-8)
Lab Sample ID: JA98069-2 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8082A SW846 3545A **Percent Solids:** 88.9
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF105934.D	1	01/31/12	CT	01/30/12	OP54530	GEF4411
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	8.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	20	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	11	ug/kg	
12672-29-6	Aroclor 1248	ND	33	10	ug/kg	
11097-69-1	Aroclor 1254	ND	33	15	ug/kg	
11096-82-5	Aroclor 1260	140	33	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		22-141%
877-09-8	Tetrachloro-m-xylene	119%		22-141%
2051-24-3	Decachlorobiphenyl	117%		18-163%
2051-24-3	Decachlorobiphenyl	115%		18-163%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-13 (6-8)
Lab Sample ID: JA98069-2 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Percent Solids: 88.9
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	8.0	2.2	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Barium	120	22	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.28	0.22	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Cadmium	1.4	0.55	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Chromium	12.9	1.1	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Copper	68.2	2.7	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Lead	458	2.2	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Manganese	185	1.6	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.24	0.036	mg/kg	1	02/08/12	02/08/12	VK	SW846 7471B [2]	SW846 7471B [4]
Nickel	11.8	4.4	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Silver	0.55	0.55	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Zinc	296	2.2	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA27906
(2) Instrument QC Batch: MA27918
(3) Prep QC Batch: MP62590
(4) Prep QC Batch: MP62629

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-13 (6-8)
Lab Sample ID: JA98069-2 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Percent Solids: 88.9
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.45	0.45	mg/kg	1	02/09/12 16:31	SY	SW846 3060A/7196A
Chromium, Trivalent [a]	12.5	1.6	mg/kg	1	02/09/12 16:31	SY	SW846 6010/7196A M
Cyanide	< 0.25	0.25	mg/kg	1	02/03/12 19:02	CW	SW846 9012 M/LACHAT
Redox Potential Vs H2	285		mv	1	02/09/12	SA	ASTM D1498-76M
Solids, Percent	88.9		%	1	02/08/12	HS	SM18 2540G
pH	7.53		su	1	02/09/12	SA	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-13 (6-8)
Lab Sample ID: JA98069-2A
Matrix: SO - Soil
Date Sampled: 01/26/12
Date Received: 01/27/12
Percent Solids: 88.9
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Barium	< 1.0	D005	100	1.0	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	0.026	D006	1.0	0.0050	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Lead	2.5	D008	5.0	0.50	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	02/02/12	02/02/12	MP	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA27885
(2) Instrument QC Batch: MA27896
(3) Prep QC Batch: MP62542
(4) Prep QC Batch: MP62549

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Report of Analysis

Client Sample ID: RA-16 (6-8)
Lab Sample ID: JA98069-3 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8260B **Percent Solids:** 93.4
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G145623.D	1	02/01/12	SJM	n/a	n/a	VG6790
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	89.8	12	8.1	ug/kg	
71-43-2	Benzene	ND	1.2	0.16	ug/kg	
78-93-3	2-Butanone (MEK)	23.2	12	5.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.1	0.29	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.1	0.19	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.1	0.17	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	0.42	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	0.39	ug/kg	
67-66-3	Chloroform	ND	6.1	0.59	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.1	0.34	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.1	0.23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.1	0.21	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	0.27	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.22	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.1	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.1	0.39	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.1	0.52	ug/kg	
123-91-1	1,4-Dioxane	ND	150	71	ug/kg	
100-41-4	Ethylbenzene	1.0	1.2	0.18	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.22	ug/kg	
75-09-2	Methylene chloride	ND	6.1	0.28	ug/kg	
103-65-1	n-Propylbenzene	ND	6.1	0.42	ug/kg	
127-18-4	Tetrachloroethene	ND	6.1	0.23	ug/kg	
108-88-3	Toluene	ND	1.2	0.46	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	0.29	ug/kg	
79-01-6	Trichloroethene	ND	6.1	0.30	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	0.15	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	0.56	ug/kg	
	m,p-Xylene	1.4	1.2	0.38	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.22	ug/kg	
1330-20-7	Xylene (total)	1.4	1.2	0.22	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RA-16 (6-8)		
Lab Sample ID:	JA98069-3	**Date Sampled:**	01/26/12
Matrix:	SO - Soil	**Date Received:**	01/27/12
Method:	SW846 8260B	**Percent Solids:**	93.4
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

VOA Soil Cleanup Objectives Priority List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		67-131%
17060-07-0	1,2-Dichloroethane-D4	88%		66-130%
2037-26-5	Toluene-D8	95%		76-125%
460-00-4	4-Bromofluorobenzene	94%		53-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-16 (6-8)
Lab Sample ID: JA98069-3 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8270D SW846 3550C **Percent Solids:** 93.4
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z69339.D	1	02/10/12	RG	01/30/12	OP54517	EZ3627
Run #2							

	Initial Weight	Final Volume
Run #1	34.9 g	1.0 ml
Run #2		

ABN Soil Cleanup Objectives Priority List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	61	35	ug/kg	
	3&4-Methylphenol	ND	61	39	ug/kg	
87-86-5	Pentachlorophenol	ND	310	52	ug/kg	
108-95-2	Phenol	ND	61	32	ug/kg	
83-32-9	Acenaphthene	16.3	31	8.9	ug/kg	J
208-96-8	Acenaphthylene	14.6	31	9.8	ug/kg	J
120-12-7	Anthracene	40.0	31	11	ug/kg	
56-55-3	Benzo(a)anthracene	118	31	10	ug/kg	
50-32-8	Benzo(a)pyrene	131	31	9.4	ug/kg	
205-99-2	Benzo(b)fluoranthene	186	31	10	ug/kg	
191-24-2	Benzo(g,h,i)perylene	102	31	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	90.5	31	12	ug/kg	
218-01-9	Chrysene	152	31	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	18.2	31	10	ug/kg	J
132-64-9	Dibenzofuran	ND	61	9.1	ug/kg	
206-44-0	Fluoranthene	238	31	14	ug/kg	
86-73-7	Fluorene	17.1	31	10	ug/kg	J
118-74-1	Hexachlorobenzene	ND	61	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	109	31	11	ug/kg	
91-20-3	Naphthalene	16.1	31	8.4	ug/kg	J
85-01-8	Phenanthrene	138	31	14	ug/kg	
129-00-0	Pyrene	202	31	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		21-116%
4165-62-2	Phenol-d5	56%		19-117%
118-79-6	2,4,6-Tribromophenol	66%		24-136%
4165-60-0	Nitrobenzene-d5	52%		21-122%
321-60-8	2-Fluorobiphenyl	61%		30-117%
1718-51-0	Terphenyl-d14	67%		31-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-16 (6-8)
Lab Sample ID: JA98069-3 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8151 SW846 3550C **Percent Solids:** 93.4
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW107405.D	1	02/08/12	VDT	01/30/12	OP54518	GWW3784
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
93-72-1	2,4,5-TP (Silvex)	ND	3.1	0.53	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	142%		13-146%
19719-28-9	2,4-DCAA	140%		13-146%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-16 (6-8)
Lab Sample ID: JA98069-3 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8081B SW846 3545A **Percent Solids:** 93.4
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G14686.D	1	02/03/12	CT	01/30/12	OP54531	G4G406
Run #2							

	Initial Weight	Final Volume
Run #1	17.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.62	0.31	ug/kg	
319-84-6	alpha-BHC	ND	0.62	0.46	ug/kg	
319-85-7	beta-BHC	ND	0.62	0.43	ug/kg	
319-86-8	delta-BHC	ND	0.62	0.36	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.62	0.28	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.62	0.40	ug/kg	
60-57-1	Dieldrin	ND	0.62	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	0.62	0.32	ug/kg	
72-55-9	4,4'-DDE	ND	0.62	0.36	ug/kg	
50-29-3	4,4'-DDT	ND	0.62	0.45	ug/kg	
72-20-8	Endrin	ND	0.62	0.31	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.62	0.56	ug/kg	
959-98-8	Endosulfan-I	ND	0.62	0.30	ug/kg	
33213-65-9	Endosulfan-II	ND	0.62	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.62	0.38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		23-137%
877-09-8	Tetrachloro-m-xylene	76%		23-137%
2051-24-3	Decachlorobiphenyl	112%		22-160%
2051-24-3	Decachlorobiphenyl	98%		22-160%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-16 (6-8)
Lab Sample ID: JA98069-3 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Method: SW846 8082A SW846 3545A **Percent Solids:** 93.4
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF105935.D	1	01/31/12	CT	01/30/12	OP54530	GEF4411
Run #2							

	Initial Weight	Final Volume
Run #1	17.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	31	8.0	ug/kg	
11104-28-2	Aroclor 1221	ND	31	19	ug/kg	
11141-16-5	Aroclor 1232	ND	31	16	ug/kg	
53469-21-9	Aroclor 1242	ND	31	9.8	ug/kg	
12672-29-6	Aroclor 1248	ND	31	9.4	ug/kg	
11097-69-1	Aroclor 1254	ND	31	14	ug/kg	
11096-82-5	Aroclor 1260	ND	31	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%		22-141%
877-09-8	Tetrachloro-m-xylene	105%		22-141%
2051-24-3	Decachlorobiphenyl	99%		18-163%
2051-24-3	Decachlorobiphenyl	95%		18-163%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RA-16 (6-8)
Lab Sample ID: JA98069-3 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Percent Solids: 93.4
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9	2.2	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Barium	107	22	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Beryllium	0.35	0.22	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Cadmium	< 0.54	0.54	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Chromium	19.2	1.1	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Copper	34.5	2.7	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Lead	116	2.2	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Manganese	256	1.6	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.076	0.034	mg/kg	1	02/08/12	02/08/12	VK	SW846 7471B [2]	SW846 7471B [4]
Nickel	16.6	4.3	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Silver	< 0.54	0.54	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]
Zinc	188	2.2	mg/kg	1	02/06/12	02/07/12	BL	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA27906
(2) Instrument QC Batch: MA27918
(3) Prep QC Batch: MP62590
(4) Prep QC Batch: MP62629

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-16 (6-8)
Lab Sample ID: JA98069-3 **Date Sampled:** 01/26/12
Matrix: SO - Soil **Date Received:** 01/27/12
Percent Solids: 93.4
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	2.2	0.43	mg/kg	1	02/09/12 17:10	SY	SW846 3060A/7196A
Chromium, Trivalent [a]	17.0	1.5	mg/kg	1	02/09/12 17:10	SY	SW846 6010/7196A M
Cyanide	< 0.24	0.24	mg/kg	1	02/03/12 19:03	CW	SW846 9012 M/LACHAT
Redox Potential Vs H2	255		mv	1	02/09/12	SA	ASTM D1498-76M
Solids, Percent	93.4		%	1	02/08/12	HS	SM18 2540G
pH	8.96		su	1	02/09/12	SA	SW846 9045C,D

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID: RA-16 (6-8)
Lab Sample ID: JA98069-3A
Matrix: SO - Soil
Date Sampled: 01/26/12
Date Received: 01/27/12
Percent Solids: 93.4
Project: Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Barium	< 1.0	D005	100	1.0	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 0.0050	D006	1.0	0.0050	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Lead	29.0	D008	5.0	0.50	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	02/02/12	02/02/12	MP	SW846 7470A [1]	SW846 7470A [3]
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	02/02/12	02/04/12	BL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA27885
(2) Instrument QC Batch: MA27896
(3) Prep QC Batch: MP62542
(4) Prep QC Batch: MP62549

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

New Jersey ACCUTEST LABORATORIES

02/24/12

Technical Report for

Roux Associates

Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY

0987.0016Y000

Accutest Job Number: JA98069R

Sampling Date: 01/26/12

Report to:

Roux Associates

jlevine@rouxinc.com

ATTN: Josh Levine

Total number of pages in report: **12**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

Sections: 1 2 3 4

Table of Contents

Sample Summary

Roux Associates

Job No: JA98069R

Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY
Project No: 0987.0016Y000

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JA98069-1R	01/26/12	09:00	EL	01/27/12	SO	Soil	RA-9 (8-10)
JA98069-2R	01/26/12	10:00	EL	01/27/12	SO	Soil	RA-13 (6-8)
JA98069-3R	01/26/12	11:00	EL	01/27/12	SO	Soil	RA-16 (6-8)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Roux Associates	**Job No**	JA98069R
Site:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway,	**Report Date**	2/21/2012 5:04:54 PM

On 01/27/2012, 3 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 3 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JA98069R was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Wet Chemistry By Method SW846 3060A/7196A

Matrix: SO **Batch ID:** GP63122

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA98069-3RDUP, JA98069-3RMS were used as the QC samples for Chromium, Hexavalent.
- Matrix Spike Recovery(s) for Chromium, Hexavalent are outside control limits. Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.
- GP63122-S1 for Chromium, Hexavalent: Soluble XCR matrix spike recovery indicates possible matrix interference. Good post spike recovery (105%) on this sample.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

New Jersey ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	RA-9 (8-10)		
Lab Sample ID:	JA98069-1R	**Date Sampled:**	01/26/12
Matrix:	SO - Soil	**Date Received:**	01/27/12
		Percent Solids:	82.1
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.49	0.49	mg/kg	1	02/21/12 12:11	SY	SW846 3060A/7196A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RA-13 (6-8)		
Lab Sample ID:	JA98069-2R	**Date Sampled:**	01/26/12
Matrix:	SO - Soil	**Date Received:**	01/27/12
		Percent Solids:	88.9
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.45	0.45	mg/kg	1	02/21/12 12:11	SY	SW846 3060A/7196A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RA-16 (6-8)		
Lab Sample ID:	JA98069-3R	**Date Sampled:**	01/26/12
Matrix:	SO - Soil	**Date Received:**	01/27/12
		Percent Solids:	93.4
Project:	Rego Park Z Property, Vornado, 93-30 Horace Harding Expressway, Queens, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.43	0.43	mg/kg	1	02/21/12 11:28	SY	SW846 3060A/7196A

RL = Reporting Limit

New Jersey ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
Tel: 732-329-0200 FAX: 732-329-3499/3480
www.acutest.com

PAGE 1 OF 1

FED-EX Tracking #	Bottle Order Control #
Acutest Quote #	Acutest Job # JA98069

Client / Reporting Information

Company Name: Rowe Associates
Street Address: 209 Shafter St.
City: Islandia State: NY Zip: 11749
Project Contact: Josh Levine E-mail: jlevine@rowe-inc.com
Phone #: (631) 232-2600 Fax #: 9898
Sampler(s) Name(s): E. Livingstone (631) 786-2552 Phone #

Project Information

Project Name: Rego Park 2 Property, Vornado
Street: 93-30 Horace Harding Expwy
City: Queens State: NY
Project #: 0987.00164.000
Client Purchase Order #:
Project Manager: Josh Levine

Billing Information (if different from Report to)
Company Name:
Street Address:
City State Zip
Attention:

Requested Analysis (see TEST CODE sheet)

Acutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	D. Water	MEOH	ENCORE	TCLP VOCs, SVOC, Metals, PPCB, HERB (NYSPart375)	VOCs	HERB	Metals	PPCB	SVOC	LAB USE ONLY
~~[illegible]~~	~~[illegible]~~		~~1/26/12~~	~~0830~~	~~EL~~	~~SO~~	~~3~~	~~3~~		~~1~~		~~6~~										EX76
~~[illegible]~~	~~[illegible]~~					~~WW~~	~~2~~	~~2~~														1946
1	RA-9 (8-10)		1/26/12	0900	EL	SO	3					3				✓	✓					0070
2	RA-13 (6-8)		1/26/12	1000	EL	SO	3					3				✓	✓					
3	RA-16 (6-8)		1/26/12	1100	EL	SO	3					3				✓	✓					

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Turnaround Time (Business days)

- [x] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Acutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [x] Other Electronic

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Turnaround Time: Standard (w/in holding)
Data Deliverable: Electronic
Analysis: NY State Part 375
no field or trip blank

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	E. Livingstone	1/26/12 1600	1 Chris Lauf	2 Chris Lauf	1/27/12 1575	2
3	Relinquished By Sampler:	Date Time:	3	4 Relinquished By:	Date Time:	4 Received By:
5	Relinquished by:	Date Time:	5	Custody Seal # 720	Intact / Not intact	Preserved where applicable / On Ice / Cooler Temp. 3°C

TAT 1/27/12

A B C

4.1 4

JA98069R: Chain of Custody
Page 1 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA98069 **Client:**

Date / Time Received: 1/27/2012 **Project:**

No. Coolers: 1 **Airbill #'s:** **Delivery Method:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Bar Therm		
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA98069R: Chain of Custody
Page 2 of 3

Job Change Order: JA98069_2/16/2012 R

Requested Date:	2/16/2012	**Received Date:**	1/27/2012
Account Name:	Roux Associates	**Due Date:**	2/10/2012
Project	Rego Park Z Property, Vornado, 93-30 Horace	**Deliverable:**	NYASPB
CSR:	MV	**TAT (Days):**	3

Sample #:
JA98069-1, 2, 3

Change: Relog for XXCRAR

Above Changes Per: Liz Livingstone **Date:** 2/16/2012

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

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JA98069R: Chain of Custody
Page 3 of 3

APPENDIX B

Soil Boring Logs

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING
RA-9	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
0987.0016Y000 / Vornado Rego Park Z Property	**93-30 Horace Harding Boulevard**
APPROVED BY: **E. Livingstone** / LOGGED BY: **C. Prete**	**Rego Park, NY**
DRILLING CONTRACTOR/DRILLER: **ADT / Andrea**	GEOGRAPHIC AREA

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-inches / Drive Sampler	**2-inches**	**6620 / Geoprobe**	**2" Macro-Core**	**1/24/12-1/26/12**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**12' bls (Feet BLS)**	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Asphalt			
		Dark brown, fine to coarse SAND and GRAVEL (fill), moist		0.0	
		Brown, fine to coarse SAND and GRAVEL, trace wood (fill), moist		G	
5		Dark brown to gray, fine to coarse SAND and GRAVEL, trace brick (fill), moist		0.0	5
		Red brown, BRICK, some fine to coarse sand and coarse gravel (fill), moist			
		Brown to gray and black, fine to coarse SAND and GRAVEL, some brick (fill), moist			Collect Sample RA-9 (8'-10')
10		Dark gray to brown, fine to coarse SAND, some gravel, trace silt and brick (fill), moist		0.0	10
		Red brown, fine to coarse SAND and Gravel, trace silt (fill), moist		0.1	
		Dark brown to gray, fine to coarse SAND and GRAVEL, trace silt (fill), wet		0.0	
	▽ GROUND WATER LEVEL 1/26/12				
15					End of boring 15

BORING/FEET 0987.0016Y000.GPJ ROUX.GDT 3/6/12

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING
RA-10	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
0987.0016Y000 / Vornado Rego Park Z Property	**93-30 Horace Harding Boulevard**
APPROVED BY: **E. Livingstone** / LOGGED BY: **C. Prete**	**Rego Park, NY**
DRILLING CONTRACTOR/DRILLER: **ADT / Andrea**	GEOGRAPHIC AREA

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-inches / Drive Sampler	**2-inches**	**6620 / Geoprobe**	**2" Macro-Core**	**1/24/12-1/25/12**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**15' bls (Feet BLS)**	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Asphalt			
		Dark brown to gray, fine to coarse SAND and GRAVEL (fill), moist		7.9	
				8.8	
				2.4	
5		Dark brown to black, fine to coarse SAND and GRAVEL (fill), moist		2.4	5
		Dark brown, fine to coarse SAND, little gravel (fill), moist		0.2	Collect Sample RA-10 (6'-8')
		Black, white, brown and gray, medium to coarse SAND and GRAVEL (fill), moist		0.9	
		Dark brown, fine to coarse SAND, little gravel, trace silt (fill), moist		1.6	
10				1.6	10
		Dark brown, fine to coarse SAND, little gravel and silt (fill), moist		0.2	
		Brown to gray, fine to coarse SAND, little gravel and silt (fill), moist to wet		1.0	
15					End of boring 15

GROUND WATER LEVEL 1/25/12

BORING/FEET 0987.0016Y000.GPJ ROUX.GDT 3/6/12

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

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Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING
RA-11	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
0987.0016Y000 / Vornado Rego Park Z Property	**93-30 Horace Harding Boulevard**
APPROVED BY: **E. Livingstone** / LOGGED BY: **C. Prete**	**Rego Park, NY**
DRILLING CONTRACTOR/DRILLER: **ADT / Andrea**	GEOGRAPHIC AREA

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-inches / Drive Sampler	**2-inches**	**6620 / Geoprobe**	**2" Macro-Core**	**1/24/12-1/25/12**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**13' bls (Feet BLS)**	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Asphalt			
		Dark brown, medium to coarse SAND and GRAVEL, trace brick (fill), moist		0.0	
				0.2	
				0.0	
5					5
		Black to brown, medium to coarse SAND and GRAVEL (fill), moist		0.0	
		Gray to brown, fine to coarse SAND and GRAVEL (fill), moist			
10					10
		Gray, medium to coarse SAND and GRAVEL (fill), moist		0.0	
		Brown, medium to coarse SAND and GRAVEL (fill), moist			Collect Sample RA-11 (12'-14')
		Gray, medium to coarse SAND and GRAVEL (fill), wet			
	▽ GROUND WATER LEVEL 1/25/12				
		Black to brown, fine to coarse SAND, some gravel, trace silt (fill), wet			
		Gray, medium to coarse Sand and GRAVEL, trace silt (fill), wet			
15					End of boring 15

BORING/FEET 0987.0016Y000.GPJ ROUX.GDT 3/6/12

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING
RA-12	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
0987.0016Y000 / Vornado Rego Park Z Property	**93-30 Horace Harding Boulevard**
APPROVED BY: **E. Livingstone** / LOGGED BY: **C. Prete**	**Rego Park, NY**
DRILLING CONTRACTOR/DRILLER: **ADT / Andrea**	GEOGRAPHIC AREA

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-inches / Drive Sampler	**2-inches**	**6620 / Geoprobe**	**2" Macro-Core**	**1/24/12-1/25/12**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**14' bls (Feet BLS)**	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Asphalt			
		Dark brown, medium to coarse SAND and GRAVEL (fill), moist		1.1	Collect Sample RA-12 (1'-3')
				0.9	
5		Brown, fine to coarse SAND, little gravel (fill), moist		0.1	
		Dark brown to gray, fine to coarse SAND and GRAVEL (fill), moist		0.0	
10				0.2	
		Dark brown, fine to coarse SAND and GRAVEL, some wood chips and glass (fill), moist		0.0	
	▽ GROUND WATER LEVEL 1/25/12				
15		Dark brown, medium to coarse SAND and GRAVEL (fill), wet			End of Boring

BORING/FEET 0987.0016Y000.GPJ ROUX.GDT 3/6/12

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING
RA-13	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
0987.0016Y000 / Vornado Rego Park Z Property	**93-30 Horace Harding Boulevard**
APPROVED BY: **E. Livingstone** / LOGGED BY: **C.Prete**	**Rego Park, NY**
DRILLING CONTRACTOR/DRILLER: **ADT / Andrea**	GEOGRAPHIC AREA

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-inches / Drive Sampler	**2-inches**	**6620 / Geoprobe**	**2" Macro-Core**	**1/24/12-1/26/12**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**12' bls (Feet BLS)**	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Asphalt			
		Dark brown to gray, fine to coarse SAND and GRAVEL (fill), wet		0.0	
				0.0	
			G		
				0.1	
5					5
		Dark brown to gray, fine to coarse SAND and GRAVEL, trace silt (fill), moist		0.1	
				13.0	Collect Sample RA-13 (6'-8')
		Gray to brown, wood (fill), moist		1.8	
		Gray and Red, coarse BRICK and GRAVEL (fill), moist		0.0	
		Black, medium to coarse SAND and coarse GRAVEL (fill), moist		15.6	
		Tan, white and black, fine to coarse SAND and coarse GRAVEL (fill), moist		8.0	
10				8.0	10
GROUND WATER LEVEL 01/26/2012		Brown, fine to coarse SAND and coarse GRAVEL, trace glass (fill), wet		6.9	
		Black, fine to coarse SAND and coarse GRAVEL (fill), wet		12.8	
		Brown to gray, fine to coarse SAND and GRAVEL, some glass and wood, trace silt (fill), wet			
15					End of boring 15

BORING/FEET 0987.0016Y000.GPJ ROUX.GDT 3/6/12

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

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Telephone: (631) 232-2600
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SOIL BORING LOG

WELL NO.	NORTHING	EASTING
RA-14	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
0987.0016Y000 / Vornado Rego Park Z Property	**93-30 Horace Harding Boulevard**
APPROVED BY: **E. Livingstone** / LOGGED BY: **C. Prete**	**Rego Park, NY**
DRILLING CONTRACTOR/DRILLER: **ADT / Andrea**	GEOGRAPHIC AREA

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-inches / Drive Sampler	**2-inches**	**6620 / Geoprobe**	**2" Macro-Core**	**1/24/12-1/25/12**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**12' bls (Feet BLS)**	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Dark brown, TOPSOIL, some coarse rock (fill), moist		1.5	
		Dark brown, medium to coarse SAND and GRAVEL (fill), wet		0.6	
				1.6	
5				1.6	5
		Dark brown to black, medium to coarse SAND and GRAVEL, trace brick (fill), moist		3.3	
		Brown, fine to coarse SAND, some gravel, trace black rock (fill), moist		0.3	
10					10
		Brown, fine to coarse SAND, some silt, little gravel (fill), wet		38.7	Collect Sample RA-14 (10'-12')
	▽ GROUND WATER LEVEL 1/25/12	Brown, wood, chemically treated wood odor (fill), wet		406	
		White to gray, wood, chemically treated wood odor (fill), wet			
		Brown, wood, chemically treated wood odor (fill), wet			
15					End of boring 15

BORING/FEET 0987.0016Y000.GPJ ROUX.GDT 3/6/12

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING
RA-15	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
0987.0016Y000 / Vornado Rego Park Z Property	**93-30 Horace Harding Boulevard**
APPROVED BY: **E. Livingstone** / LOGGED BY: **C. Prete**	**Rego Park, NY**
DRILLING CONTRACTOR/DRILLER: **ADT / Andrea**	GEOGRAPHIC AREA

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-inches / Drive Sampler	**2-inches**	**6620 / Geoprobe**	**2" Macro-Core**	**1/24/12-1/25/12**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**11' bls (Feet BLS)**	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Dark brown, TOPSOIL (fill), moist		0.0	
		Dark brown, medium to coarse SAND and GRAVEL (fill), moist			
5		Brown to black, medium to coarse SAND and GRAVEL (fill), moist		0.0	5
		Black, white and brown, medium to coarse SAND and GRAVEL, trace silt (fill), moist			Collect Sample RA-15 (9'-11')
10				0.0	10
		Brown to gray, medium to coarse SAND and GRAVEL, trace silt (fill), wet			
	▽ GROUND WATER LEVEL 1/25/12				
15					End of boring 15

BORING/FEET 0987.0016Y000.GPJ ROUX.GDT 3/6/12

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING
RA-16	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
0987.0016Y000 / Vornado Rego Park Z Property	**93-30 Horace Harding Boulevard**
APPROVED BY: **E. Livingstone** / LOGGED BY: **C. Prete**	**Rego Park, NY**
DRILLING CONTRACTOR/DRILLER: **ADT / Andrea**	GEOGRAPHIC AREA

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-inches / Drive Sampler	**2-inches**	**6620 / Geoprobe**	**2" Macro-Core**	**1/24/12-1/26/12**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**12' bls (Feet BLS)**	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Asphalt			
		Dark brown to gray, medium to coarse SAND and GRAVEL (fill); moist		0.2 31.8	
				22.8	
5		Dark brown to gray, fine to coarse SAND and GRAVEL, trace brick and wood (fill); moist		22.8 45.2	Collect Sample RA-16(6'-8')
		Gray and tan, fine to coarse SAND and coarse GRAVEL (fill), moist		0.0	
		Dark brown to gray, fine to coarse SAND and GRAVEL, trace silt (fill), moist		0.0	
10				0.0	
	▽ GROUND WATER LEVEL 1/26/12	Dark brown to gray, fine to coarse SAND and GRAVEL, trace silt (fill), wet		43.0	
15					End of boring

BORING/FEET 0987.0016Y000.GPJ ROUX.GDT 3/6/12