REMEDIAL ACTION REPORT
CVS PHARMACY
i.Park EDGEWATER
45 RIVER ROAD
EDGEWATER, NEW JERSEY
ISRA CASE #E20030062 and
#E20040267

PREPARED FOR:
New Jersey Department of Environmental Protection
Bureau of Industrial Site Remediation
401 East State Street
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On behalf of:
i.Park Edgewater, LLC
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PROJECT NO: 41.0161318.04

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Transmittal

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REMARKS:

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i.park Edgewater, LLC

October 20, 2009

Michael P. Gaudio
New Jersey Department of Environmental Protection
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Re: Certification for CVS Pharmacy Remedial Action Report
i.Park Edgewater, LLC
45 River Road, Edgewater, New Jersey
ISRA Case #E20030062 and #E20040267

Pursuant to the ISRA regulations at N.J.A.C. 7:26B-1.6(a) I certify under penalty of law that I have personally examined and am familiar with the information submitted in the above references application and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of N.J.S.A. 13:1K-6 t seq., I am personally liable for the penalties set forth at N.J.S.A. 13:1K-13.

Sincerely,

Joseph Cotter
i.Park Edgewater, LLC

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1.0 INTRODUCTION

GZA GeoEnvironmental, Inc. (GZA) has prepared this *Remedial Action Report – CVS Pharmacy* (RAR) for a portion of the i.Park Edgewater property located at 45 River Road in Edgewater, Bergen County, New Jersey (**Figure 1**). For clarity, the term "Property" will be used herein to refer to the entire property located at 45 River Road, and the term "Site" will be used to refer to the portion of the Property which is the subject of this document. This report applies to the portion of the Property north of the main access road in the parking lot of Building 9, as depicted on **Figure 2**. The Site is the proposed location for a proposed CVS Pharmacy. At the time of remediation the Site was owned by i.Park Edgewater, the responsible party for remediation.

The RAR has been prepared in accordance with the guidelines outlined in the NJDEP Technical Requirements for Site Remediation (TRSR) (N.J.A.C. 7:26E). As such, this RAR includes: a summary of the remedial investigation completed to date; a description of the remedial action implemented; tables and figures documenting the completion of the remedial action; a summary of costs; copies of supporting documentation (including permits, manifests, and other relevant documents); a status of remedial actions that will be completed as part of the development construction activates as well as remedial actions that will take place on the remainder of the Property that have bearing on the Site; and, recommendations. The remainder of the introduction presents a brief background and site description. A Classification Exception Area (CEA) and Deed Notice will be provided as part of the Property-wide Remedial Action Report.

1.1 BACKGROUND SUMMARY

The objective of the remedial action (RA) was to address both surficial and subsurface soils impacted by historic fill material and arsenic at the Site. The remedial action selected to address the on-Site impacts included: arsenic impacted soils characterized by concentrations greater than 600 ppm; and capping of soils exceeding the Residential Direct Contact Soil Cleanup Criteria (RDCSCC). In addition, additional RAs will be implemented as part of the Property-wide remediation that will have bearing on the Site. These include: installation of water a tight storm water system with bentonite water stops at 100 foot intervals and installation of a groundwater barrier wall along the Hudson River.

Upon completion of the Property-wide remedial action, an indefinite CEA will be established for the inorganic impacted aquifer. Monitoring wells MW-48 and MW-69 on the downgradient side of the excavation will be monitored.

1.2 SITE DESCRIPTION

The Site is located on a portion of 45 River Road in Edgewater, Bergen County, New Jersey. The Site is located north of the main access road and east of River Road, in between the guard house and Building 9 **(Figure 2)**. As of June 22, 2009, the Site is owned by Edgewater Hudson, LLC 1401 Broad Street Clifton, NJ 07013.

The Site and Property history below was developed from the following sources:

- *Preliminary Site Assessment Report*, prepared by Langan Engineering and Environmental Services, Inc., dated April 2003;
- *Aerial Photographic Analysis of Quanta Resources Superfund Site Edgewater Borough, New Jersey*, prepared by the United States Environmental Protection Agency (USEPA), September 2006;
- Sanborn Maps from the years 1887, 1911, 1930, 1950, and 1968, prepared by The Sanborn Library, LLC;
- Aerial photographs for the years 1947, 1959, 1970 and 1986, obtained from Robinson Aerial Surveys, Inc.; and
- Lease agreement between Fredrick FG. Holst and the Barrett Division, Allied Chemical & Dye Corporation, dated December 1, 1943.

The Property, excluding the Site, is currently owned and operated by i.Park and was formerly owned and operated by Conopco, Inc. d/b/a Unilever Research and Development (Conopco). At the time of the remediation the Site was owned by i.Park. The Property was acquired by Conopco over a period of time between 1920 and 1985. The current Property consists of tax block numbers 96, 97, 98, 99, and 100 moving north to south along the Property. The Site is located on the western portions of tax blocks 97.

Prior to Unilever's ownership, three of the five parcels were occupied by other businesses while two were vacant land. The earliest Sanborn map from 1887 shows all four lots as primarily vacant. In the 1887 map the Site appears to be filled close to existing grade except for the extreme eastern portions of Block 96, 99 and 100. From 1909 to 1911, the Standard Oil Company occupied Block 96, James Pyle and Sons Soap Works occupied Block 97, and Bulls Ferry Chemical Company occupied the eastern portion of Block 98. By 1930, the Bulls Ferry Chemical Company buildings are no longer shown and sources indicate the plant was closed some time in the late 1910s. The remaining portions of the Site, Blocks 99 and 100 were vacant.

In the 1920s Unilever bought the soap works and Bulls Ferry parcels. In 1930, Block 96 was bought by Spencer Kellogg and Sons for the manufacturing of edible oils. Conopco began soap and edible oil manufacturing operations on the Property in 1930 or 1931. Through the 1930s and 1940s, manufacturing operations were expanded and Buildings 1, 2, 4, 5, and 6 were constructed. Conopco also constructed numerous aboveground storage tanks (ASTs) to hold cottonseed oil, No. 6 fuel oil, and caustic

materials. Nitrogen and/or hydrogen gas producing, holding and purification structures were also constructed to complement its operations.

By 1943 operations had expanded onto Block 99 and at this time, the Barrett Division of the Allied Chemical & Dye Company (Barrett) leased an approximately one acre portion of Block 99 for the storage of pitch. No other structures were shown on Block 99. According to the USEPA aerial photograph review, the pitch bay was "a large linear mound of material, which appears to be partially contained by a wall." A drainage pathway leads from two ASTs into the fill area. At this time, Lot 100 to the south of the impoundment was described as a "large fill area." In the 1947 aerial photograph, the pitch bay was present but did not contain any material and the large fill area on Block 100 was described as "now containing multi-toned mounded material over much of its surface." The next aerial photograph from 1961 shows Lot 100 developed close to its current configuration. Based on these aerial photographs it seems clear that the pitch material from the impoundment was spread across the southern portion of the Site for use as fill material. The only other area of significant filling observed in the 1940 aerial photograph was the northern portion of the Site near the pier; however, no additional filling of this area was observed in the 1947 aerial photograph. This suggests that the material in the pitch bay was deposited in the southern portion of the Site (Block 100) during regrading. Block 98 and 99 were developed sometime between 1930 and 1940. No large fill areas on this portion of the Site are apparent; therefore, it is not likely that significant amounts of pitch from the pitch bay were deposited at the northern portions of the Site or remaining Blocks as these areas were already developed.

By 1953, the pitch bay had been removed and fill material was added along the Hudson River shoreline on the southern portion of the Property. A new building and a parking lot were constructed on the fill area. The remaining portions of the Site remained mostly unchanged.

From 1978 to 1983-1984 the manufacturing buildings were generally unused and beginning to deteriorate. From 1983 to 1984, Conopco undertook a demolition project that involved the demolition of the manufacturing buildings and ASTs that existed on Blocks 96, 97, and 98. A new phase of construction in the early to mid-1980s resulted in the layout of the property as it currently exists and transformed the Site to strictly research and development operations. Recent construction in 1996 and 1997 included the new consumer test center (Building 9) and the pH neutralization building (Building 44). Around 1997, the western portion of the Site was lost by condemnation for the relocation of River Road. This coincided with the resurgence in redevelopment of property along the Hudson River waterfront that continues to this date. This redevelopment constitutes a shift from industrial and manufacturing land use to largely commercial and residential use today.

1.3 GEOLOGICAL SETTING

Edgewater is located in the southern portion of Bergen County and falls within the Piedmont Physiographic Province (a.k.a. Triassic Rift Basin) which occurs east of the Ramapo River Valley. This physiographic province is characterized by gently sloping and rolling topography including less rugged hills (as compared to the northwest portion of the county) that are generally elongated in a northeast to southwest direction. The Triassic Lowlands are underlain by rocks of the Newark Group (Late Triassic age) and consist of sedimentary and igneous rocks. Overlying these rocks are Quaternary age unconsolidated deposits of stratified and unstratified drift deposited by the Wisconsin Glacier. These deposits are typically thickest in valleys and low-lying areas and thinnest on steep slopes and on the tops of ridges. At the ground surface, Holocene sediments, the most recent deposits in Bergen County, consist of stream alluvium, freshwater marsh and swamp deposits and tidal marsh sediments.

Elevations on and within the vicinity of the Site range from mean sea level (MSL) along the Hudson River to approximately 20 feet above MSL at the base of the Palisades immediately west of the Site. The Site is relatively flat, with elevations ranging from 10 to 12 feet above MSL. The Palisades abruptly rises to elevations of approximately 150 to 200 feet above MSL just a few hundred feet west of the Site.

Nearby surface water bodies include the tidally influenced Hudson River, which bounds the Site to the east, and flows south past the Site into New York Harbor. The Hudson River is topographically downgradient of the Site and receives runoff from the Site. The Hudson River is a major navigable waterway that is also used for recreational purposes such as boating and fishing. Southwest of the Site and on top of the ridge is a reservoir that is located in North Hudson Park. This reservoir is not downgradient of the Site and is the only other surface water body in close proximity to the Site.

The Triassic Rift Basin is underlain by rocks of the Newark Group and includes the Passaic Formation (formerly known as the Brunswick Formation), the Hammer Creek Formation, the Stockton Formation, the Palisades Diabase and the Watchung Basalt.

The Passaic Formation, which underlies most of Bergen County, consists of freshwater red sandstone and conglomerate containing interbedded shale. In the eastern half of the county, minor amounts of siltstone, mudstone and arkose are also included.

Overlying the Passaic Formation are unconsolidated deposits of stratified and unstratified drift deposited by the Wisconsin Glacier and its melt waters during the Quaternary age. These deposits are generally thinnest on the tops of ridges and thickest in stream valleys and low-lying areas. Unstratified drift consists of a mixture of sand, silt, clay, gravel, and boulders that were deposited directly from the glacier. Stratified drift consists of sand, silt, clay, gravel that were sorted and deposited by melt water from the glacier.

Recent, or Holocene, alluvial deposits consist of reworked glacial sediments and generally occur along the stream channels. Along the Hudson River adjacent to the Site, sediments typically consist of stream alluvium and tidal marsh sediments.

River sediments consist of silt to clayey silt approximately 45 feet thick immediately east of the Site. These sediments thicken eastward toward the main Hudson River channel. The bedrock is reportedly approximately 250 feet below the river sediments in the main channel. Mud flats are exposed near the rip rap embankment and bulkhead during low tide and flooded during high tide.

The Soil Survey of Bergen County, New Jersey has identified the surficial soils in the vicinity of the Site as UR – Urban land. These soils are level or nearly level, irregular in shape and exhibit slopes of 1 to 5 percent. Typically these soils have been cut, filled and reworked.

2.0 SUMMARY OF REMEDIAL INVESTIGATIONS

Prior to submission of the Remedial Action Work Plan, several phases of remedial investigation were conducted to identify the extent of site-related impacts. Investigations of the Site have included a Remedial Investigation / Remedial Action Work Plan (RI/RAWP), a Supplemental RI/RAWP, and a revised RI/RAWP. The Site investigations are summarized as follows:

A loading platform, a railroad spur, a former 20,000 cubic feet hydrogen or nitrogen aboveground storage tank (AST), a former 75,000 cubic feet hydrogen AST, one former 9,740-gallon toluene AST and two unknown ASTs formerly occupied portions of the Site (**Figure 3**). Between 2001 and 2007, 9 soil borings (LB-3, LB-4, LB-24, LB-26, LB-27, LB-28, GZA-27, GZA-53, GZA-91) were installed on-Site (**Figure 4**). An additional 237 soil borings, 65 monitoring wells, and 15 temporary well points have been installed on other portions of the Property. Soil samples collected from the borings were analyzed for a variety of parameters including volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals, pesticides, total petroleum hydrocarbons (TPH), polychlorinated biphenyls (PCBs), cyanide, and phenols.

The fill under the Property and Site, which extends from land surface to the top of the native soils, has been previously characterized as historic fill material (HFM) as defined in the TRSR N.J.A.C. 7:26E-1.8. HFM in New Jersey have been found to contain arsenic, beryllium, cadmium, lead, zinc, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)pyrene at concentrations significantly above the NJDEP Soil Cleanup Criteria (SCC). Maximum concentrations of contaminants in HFM are provided in N.J.A.C. 7:26-4.6(b)6 Table 4.2. Laboratory analytical results for soil samples collected at the Site showed polynuclear aromatic hydrocarbons (PAHs) and metals

(antimony, arsenic, lead, and thallium) present above NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC), consistent with HFM contaminant concentrations listed in the NJDEP TRSR.

2.1 PREVIOUS SOIL ANALYTICAL TESTING RESULTS

VOCs, cyanide, total petroleum hydrocarbons (TPH) were detected in the soil samples below the RDCSCCs. A low level of PCBs at 0.85 parts per million (ppm) was detected in boring LB-4 and 1.16 ppm was detected in boring LB-26. These concentrations are below the Non-Residential Direct Contact Soil Cleanup Criteria (NRDCSCC) of 2 ppm, and the NJDEP has agreed that this level is consistent with historic fill found across the Property. Soil samples collected on-site contained exceedances above SCC the following SVOCs and metals: anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, antimony, arsenic, lead and nickel. Table 1 and **Figure 4** includes a summary of previous soil analytical data. The following is a more detailed discussion of previous Site investigations by AOC.

1e4: One Former 9,740 Gallon Toluene AST

Langan Engineering and Environmental Services, Inc. of Elmwood Park, New Jersey (Langan) conducted Site Investigation Part 2 (SI) in 2003. Field observations from soil boring LB-3 indicated historic fill material is present to approximately 11 feet below ground surface. Laboratory analyses of the soil boring indicated concentrations of BNs and arsenic above the SCC. The BNs and arsenic detected did not indicate evidence of a spill from the caustic acid AST.

1e17: Unknown Chemical ASTs

Unknown ASTs located in the Building 9 parking lot:

During Langan's SI Part 2, soil boring LB-17 was installed and contained historic fill material. Laboratory analysis of the soil boring indicated concentrations of arsenic, lead and thallium and BNs above SCC. The BNs and metals detected are attributable to the fill material.

During GZA's Remedial Investigation (RI), three soil borings were completed to evaluate AOC #1e17. One soil boring, GZA-27 was installed on-Site. Field observations from soil borings GZA-27 and the two other borings, GZA-26 and GZA-45 indicated historic fill material is present in this AOC. Samples were collected from 2 to 3 feet bgs beneath the former locations of the concrete pads at these three soil boring locations. Laboratory analyses of the soil samples located in AOC #1e17 indicated concentrations of arsenic and the BNs: benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, and indeno(1,2,3-cd)pyrene at concentrations above the SCC. The BNs and metals detected do not

indicate evidence of a spill and are consistent with both the NJDEP Maximum Historic Fill Concentrations and the historic fill material that is pervasive across the site.

2a: Former Railroad Spur and Unloading Area

During Langan's SI Part 2, soil boring LB-4 was installed and indicated historic fill material is present to approximately 11 feet bgs. Laboratory analysis indicated concentrations of the BNs, arsenic and lead are above SCC.

During Langan's SI Part 3, field observations from soil boring LB-26 indicated historic fill material is present to approximately 8 feet bgs. Laboratory analysis indicated concentrations of benzo(a)pyrene at a level above SCC.

During GZA's RI, three soil borings were completed to evaluate AOC 2a: GZA-26, GZA-27 and GZA-45; however GZA-27 is the only boring on-Site. A discussion of the laboratory analysis from these borings was described above under AOC 1e17.

Arsenic Contaminated Soils

Arsenic impacted soils are located at several locations the Site and Property. On the Site, previous soil analytical results indicated arsenic was present in the soil between 7.7 mg/kg in soil boring LB-26 up to 910 mg/kg in soil boring LB-27.

3.0 REMEDIAL ACTION

As is typical of complex historic industrial properties, the various former operations at the Conopco property involved the use, storage, and production of raw materials, finished products, hazardous wastes and petroleum products. The AOCs located on the Site are discussed in the *Preliminary Site Assessment Report*, prepared by Langan Engineering and Environmental Services, Inc., dated April 2003; depicted on **Figure 3** and include 1d2, 1d3, 1e4, 1e17 and 2a. To date, NFA and/or no further investigation determinations have been issued for AOCs 1d2, 1d3, 1e4, 1e17 and 2a.

The following is a summary of the AOCs and the remedial action selected for each.

1d2: Former 20,000 Cubic Foot Hydrogen or Nitrogen Aboveground Storage Tank

Investigation was not recommended for this AOC in the PAR and the NJDEP concurred.

1d3: Former 75,000 Cubic Foot Hydrogen Aboveground Storage Tank

Investigation was not recommended for this AOC in the PAR and the NJDEP concurred.

1e4: One Former 9,740 Gallon Toluene AST

No further investigation was accepted in the NJDEP's February 25, 2005 letter. i.Park will include the contaminants and concentrations detected in this area in the site-wide deed notice for the HFM.

1e17: Unknown Chemical ASTs

Unknown ASTs located in the Building 9 parking lot:

No further investigation was accepted in NJDEP's July 29, 2008 email.

2a: Former Railroad Spur and Unloading Area

No further investigation was accepted in the NJDEP's June 30, 2006 letter. i.Park will include the contaminants and concentrations detected in this area in the site-wide deed notice for the HFM.

Arsenic Contaminated Soils

Arsenic impacted soils are located at several locations the Site and Property. The NJDEP approved an alternative remedial standard of 600 ppm of arsenic in soil. One area of arsenic impacted soils greater than 600 ppm was identified during the previous RIs around LB-27. The RA consisted of excavation of soils above the alternative remedial standard of 600 ppm.

i.Park contracted Code Environmental Services Inc. of Carteret, New Jersey (Code) under the oversight of GZA to complete the remedial action for Site area soil. The remedial strategy included: excavation of an estimated 105 cubic yards of arsenic impacted soil and off-Site disposal of arsenic-impacted soil exceeding the alternative remedial standard of 600 ppm. In accordance with the requirement of a 14-day notification period, i.Park reported the commencement of remedial activities for Site area soil in an email to NJDEP dated April 7, 2009.

3.1 SITE PREPARATION

Site preparation activities included permitting, equipment mobilization, monitoring, utility markout, perimeter air monitoring setup and markout of the excavation area. Details of the Site preparation activities are documented in the PS/BH RAR.

3.2 ARSENIC-IMPACTED SOIL REMEDIATION

Code performed the remediation of the arsenic-impacted soil. Post-remediation samples were compared to the NJDEP approved site specific ARS for arsenic of 600 ppm. **Figure 5** includes the excavation footprint and the sample location plan. This

excavation was designed to excavate the arsenic contaminated soils around soil boring LB-27. LB-27 was previously sampled at 4.5-5 feet bgs and had a concentration of 900 ppm arsenic.

Field x-ray fluorescence (XRF) and laboratory analysis of this material indicated it contained arsenic above the alternative remedial standard of 600 ppm. Therefore the limits of this excavation were extended to address arsenic impacted soils.

The remediation was conducted during May through August, 2009, and included the following activities:

- Excavation
- Site restoration including backfilling
- Transportation
- Off-Site disposal

An XRF was used to field screen samples for arsenic in order to help delineate the vertical and lateral extent of the proposed excavations. The XRF field screening results were confirmed with laboratory analysis of post-excavation samples for arsenic.

3.2.1 Excavation

Code Environmental of Carteret, New Jersey performed the remediation of the arsenic-impacted soil. **Figure 5** includes the excavation footprint and the sample location plan. This excavation was designed to excavate the arsenic contaminated soils around soil boring LB-27. LB-27 was previously sampled at 4.5-5 feet bgs and had a concentration of 900 ppm arsenic.

Excavation and sampling activities were performed on May 1, 4 and 7, 2009. The excavation was backfilled on May 8 and 11, 2009. During the excavation activities, soils were screened with a field x-ray fluorescence meter (XRF) to help delineate the vertical and horizontal presence of arsenic and subsequently samples were collected and laboratory analyses were performed. On May 1, the excavation was approximately 10' by 10' around soil boring LB-27 and approximately 5.5' feet below ground surface (bgs). Code excavated a total of approximately 105 cubic yards of arsenic-impacted soils. These soils were excavated and added to the current stockpiles on-site for evaluation of on-site solidification/stabilization (S/S). On May 8, the excavation was backfilled with clean soils stockpiled on site and previously approved by the NJDEP. On May 11, the clean soils were covered with clean 2.5" gravel from the site.

3.2.2 Excavation Sampling and Results

GZA conducted post-remediation sampling to document the effectiveness of the arsenic-impacted soil remediation. Post-remediation samples were compared to the

NJDEP approved site specific alternative remedial standard for arsenic of 600 ppm. All sampling was performed per the New Jersey Department of Environmental Protection N.J.A.C. 7:26E Technical Requirements and the NJDEP Field Sampling Procedures Manual requiring one sample per every 30 feet of sidewall and one sample per every 900 square feet collected from the bottom of the excavation. One soil sample was taken from each sidewall and from the base of the excavation. All sidewall samples were collected near the interval of the exceedance in LB-27 (5 to 5.5 feet bgs) as required by NJDEP. Soil analysis was performed by TestAmerica, Inc. of Shelton, Connecticut, a New Jersey certified laboratory using SW-846 6010B methodologies. All soil samples were stored in a cooler, maintained at approximately 4°C and picked up by laboratory courier under chain of custody procedures. The laboratory analytical data packages and QA/QC documentation is attached. Sample results were compared to the Arsenic Remediation Standard (ARS) of 600 ppm.

The analytical results indicated the south wall had arsenic at 292 ppm. However the north, east, west and bottom samples contained arsenic at levels above the ARS of 600 ppm. On May 4, the excavation was extended north, east and west approximately 3 feet and the depth was extended to approximately 9.5 feet bgs. Additional samples were collected from the north, east and west sidewalls and from the base of the excavation. The soil analysis was performed by TestAmerica of Shelton, Connecticut (TestAmerica) and Alpha Analytical of Westborough, Massachusetts (Alpha), New Jersey certified laboratories using SW-846 6010B methodologies.

The analytical results indicated that the bottom of the excavation contained 500 ppm arsenic, however the north, east and west sidewall samples contained arsenic above 600 ppm ARS. On May 7, these sidewalls were extended further, approximately 2 more feet in each direction. Soil samples were collected from each side wall and analyzed by TestAmerica or Alpha. Results indicated that the north, east and west sidewalls contained arsenic at concentrations of 520 ppm, 180 ppm and 330 ppm, respectively.

A summary of analytical results is presented in **Table 2**. The laboratory analytical data packages and QA/QC documentation is included in **Appendix A.**

3.2.3 Stockpile Sampling

Additional soil samples were collected from the on-Site stockpiles for disposal purposes. Soil samples were collected from an excavator using stainless steel spoons and bowls. Composite samples were generated from five grab samples. A total of eight composite samples were collected for the following analyses: SVOCs, target analyte list (TAL) metals, polychlorinated biphenyls (PCBs), pesticides, hexavalent and trivalent chromium, full TCLP, cyanide, oil, grease, paint filter test, total solids and total volatile solids, ammonia, nitrogen, chemical oxygen demand and pH. In addition, eight VOC grab samples were collected and 20 additional grab samples were collected for total petroleum hydrocarbon (TPH) gasoline range organics (GRO), TPH

diesel range organics (DRO) and resource conservation and recovery act (RCRA) characteristics. A summary of the analytical results is presented in **Table 3**.

3.2.4 Transportation and Disposal

Environmental Transportation Group, Inc. (ETGI) of Flanders, New Jersey and Indian Valley Bulk Carriers of Tylersport, Pennsylvania and BF Landscape of Williamstown, New Jersey transported the arsenic-impacted soil along with the soil from the PS/BH excavations to Mid Atlantic Recycling Tech in Vineland, New Jersey.

All trucks used for transportation of excavated material were lined with a minimum six (6)-mil-thick polyethylene, covered with a tarpaulin to protect against wind and rain, and decontaminated prior to leaving the Site.

As the contaminated soils were added to the PS/BH stockpiles, shipping manifests, all disposal documentation and a table summarizing all of the disposal information will be included in the PS/BH RAR report.

3.3 PERIMETER AIR MONITORING

i.Park implemented the automated perimeter air monitoring program proposed in the perimeter Air Monitoring Work Plan. The objective of the real time air monitoring system was to identify changes in concentrations of VOC and/or respirable dust as they occurred so that Site personnel could implement corrective measures before target action levels were exceeded. Respirable dust was used as a surrogate for ambient polycyclic aromatic hydrocarbons (PAH) compounds and metals because real-time methods for monitoring particle bound PAHs and metals do not currently exist.

The perimeter air monitoring program was implemented during remediation activities to protect human health, evaluate the effectiveness of and need for vapor and dust suppression controls, and to document air quality during remediation activities. An automated perimeter air monitoring system was supplied by AirLogics and operated by GZA personnel. The system was operated during all intrusive activities. Daily air monitoring media was collected in accordance with USEPA approved sampling and analytical methods to confirm the system results.

Results of the Perimeter Air Monitoring Program indicate that the aggressive measures implemented during the excavation activities were effective in keeping dust exposures low and preventing VOC action level exceedances. A detailed description of the sampling procedures and a summary of all analytical results will be submitted with the Perimeter Air Monitoring Report under separate cover.

3.4 GROUNDWATER REMEDIATION

The groundwater remedy for the Site was designed and implemented as a two-part

strategy. The source of groundwater impact at the Site was actively remediated by removing arsenic impacted soils characterized by concentrations greater than 600 ppm. The second part of the groundwater remedy will consist of an indefinite CEA with groundwater monitoring. Data collected prior to the on-Site source removal and future sampling events will monitor natural attenuation of the impacted groundwater. Following is a more detailed discussion of the groundwater remediation activities.

3.4.1 Onsite Groundwater Impacts

i.Park actively treated impacted groundwater at the Site through the removal of source area impacted soils. **Section 4.3.1** of this document describes the removal of source material.

Groundwater samples from MW-48 and MW-69 were last collected in June 2007. During that sampling event, arsenic concentrations in MW-48 and MW-69 were 2,240 ug/L and 11,000 ug/L, respectively.

These two wells will continue to be monitored through the post remediation groundwater monitoring program being conducted by i.Park.

3.4.2 Post-Remediation Groundwater Monitoring Program

As a condition for approval of natural attenuation, the NJDEP requested that i.Park implement a post-remediation groundwater monitoring program. The purpose of the monitoring program will be to evaluate whether that removal of source area soils results in improvement of groundwater quality downgradient of source areas or to demonstrate that the dissolved arsenic plume is stable and not migrating. Groundwater monitoring will be conducted through monitoring wells MW-48 and MW-69.

There are two monitoring wells downgradient of the arsenic excavation. The post remediation groundwater monitoring program will consist of: quarterly sampling of MW-48 and MW-69 for two (2) years. After the second year, we recommend that post remediation groundwater monitoring data be reviewed to evaluate the need for additional monitoring.

3.5 SITE RESTORATION

Site restoration activities included backfilling the excavation and preparation of construction for the CVS Pharmacy parcel.

Backfill material used for the Site excavation consisted of the fines and 2.5-inch gravel derived from materials stockpiled on the Site. The source of this material was rock from the palisades sill removed as part of Church Hill Estates construction project.

Soils and rocks used on-Site from Church Hill Estates originated from 8701-8723 Church Hill Road, North Bergen, Hudson County, New Jersey, also known as Tax Assessor Block 435 Lot 30. Prior to these construction activities, this area was

undeveloped. This facility is owned by CHR Partners, LLC of North Bergen, New Jersey. Laboratory results for material imported to the Site as clean fill and a copy of the certification of virgin soil is included in **Appendix B**. A total of approximately 105 CY of material was used to backfill the excavations to existing grade.

3.6 REMEDIAL ACTION COST

The table below summarizes the costs to implement and report all remedial activities associated with this RA.

Tasks	Costs
Consulting and Laboratory	$ 20,000
Soil Excavation/Treatment and Site Work	$ 40,000
Total	$ 60,000

3.7 REMEDIAL ACTION COSTS FOR ENGINEERING AND INSTITUIONAL CONTROLS

The table below summarizes the costs to monitor, maintain and certify the protectiveness of the Site's engineering and institutional controls.

Tasks	Costs
Groundwater Monitoring and Reporting	$5,600 per year
Bi-annual Certifications	$1,500 each
Total (10 years)	$43,000

4.0 CONCLUSIONS

The remedial strategy presented in the RAWP, and the Remedial Action implemented as described in this document, successfully accomplished the following objectives:

- Removal/disposal of material contributing to groundwater impact;
- Removal of the direct contact exposure pathway;
- Reuse of treated soil as backfill; and
- Removal and disposal of arsenic-impacted soils exceeding the alternative remedial standard of 600 ppm.

5.0 ON-GOING ACTIVITIES

During development activities additional soil remedial measures will be implemented. These include installation of soil cap consisting of asphalt roadways, concrete building foundations and walkways or 2-feet of clean fill. See **Appendix C** for cap depictions. The CVS building slab will be constructed as depicted in **Appendix C**. The building slab will have a gas vapor barrier and ventilation system consisting of a minimum of 24-inches of crushed stone, a nonwoven drainage geotextile layer and 10-ml HDPE followed by a concrete floor slab.

Heavy duty paved areas will consist of compacted existing subgrade, topped with 10-inches of aggregate base, 2-inches of compaction level L base, 2-inches level L binder and 1-inch of compaction level L top.

Standard duty paved areas will consist of compacted existing subgrade, topped with 10-inches of aggregate base, 2-inches of compaction level L binder and 1-inch compaction level L top.

Landscaped areas will consist 2-feet of certified clean fill/top soil to protect the public from direct exposure to contaminants in the soil. The vegetation will consist of evergreen tress such as, White Pine, White Spruce and Serbian Spruce, ornamental trees such as English Oak and Himalayan Birch, shade trees such as October Glory Maple and Japanese Zelkova, shrubs such as Mountain Fire Andromeda, China Holly, Shamrock Inkberry, Skyrocket Juniper and Fragrant Snowball Viburum, and perennials such as Big Glue Liriope.

Groundwater remedies will be presented in a separate RAR for groundwater and will include groundwater sampling, a CEA, and post-remedial groundwater monitoring.

In addition to the RA discussed above, several additional RAs will be conducted as part of the Property-wide remediation. These RAs will include installation of a groundwater barrier wall along the Hudson River and installation of water tight storm water pipes with "water stops" consisting of bentonite backfill or equivalent.

TABLE 2
Summary of Soil Analytical Results
Remedial Action Report
CVS Pharmacy
45 River Road
Edgewater, New Jersey

Sample ID Lab Sample Number Sampling Date Matrix	NJDEP Residential Direct Contact Soil Cleanup Criteria	NJDEP Non-Residential Direct Contact Soil Cleanup Criteria	NJDEP Impact to Groundwater Direct Contact Soil Cleanup	Alternative Remedial Standard	LB27-N (5-5.5') 220-8975-1 5/1/09 Soil	LB27-S (5-5.5') 220-8975-2 5/1/09 Soil	DUP-SWALL 220-8975-6 5/1/09 Soil	LB27-E (5-5.5') 220-8975-3 5/1/09 Soil	LB27-W (5-5.5') 220-8975-4 5/1/09 Soil	LB27-B (5.5-6') 220-8975-5 5/1/09 Soil	LB27-NEP (5-5.5') L0905595-01 5/4/09 Soil
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals											
Arsenic	20	20	(h)	600	**2,520**	292	375	**1,720**	**770**	**1,280**	**1,600**

Sample ID Lab Sample Number Sampling Date Matrix	NJDEP Residential Direct Contact Soil Cleanup Criteria	NJDEP Non-Residential Direct Contact Soil Cleanup Criteria	NJDEP Impact to Groundwater Direct Contact Soil Cleanup	Alternative Remedial Standard	LB27-EEP (5-5.5') L0905595-02 5/4/09 Soil	LB27-WEP (5-5.5') L0905595-03 5/4/09 Soil	LB27-BEP (9-9.5') L0905595-04 5/4/09 Soil	E-LB27 (5-5.5') L0905821-01 5/7/09 Soil	W-LB27 (5-5.5') L0905821-02 5/7/09 Soil	W-LB27 (5-5.5') DUP L0905821-04 5/7/09 Soil	N-LB27 (5-5.5') L0905821-03 5/7/09 Soil
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Metals											
Arsenic	20	20	(h)	600	**1,200**	**670**	500	180	330	480	520

Notes:
Bolded values exceed the Alternative Remedial Standard
(h) The impact to groundwater values for inorganic constituents will be developed based upon site specific chemcial and physical parameters.

TABLE 3
Soil Waste Characterization Analytical Summary
Remedial Action Report
i.Park PS/BH
45 River Road
Edgewater, New Jersey

LOCATION		AS-1-TP-1		AS-1-TP-2		AS-2-TP-2		P-1-TP-1		AS-1-PH-1		AS-1-PH-2		AS-1-PH-3		AS-1-PH-4		AS-1-PH-5	
SAMPLING DATE		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09	
LAB SAMPLE ID		L0908171-01		L0908171-02		L0908171-03		L0908171-04		L0908171-09		L0908171-10		L0908171-11		L0908171-12		L0908171-13	
	Units		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
General Chemistry																			
Solids, Total	%	77		81		80		85		84		72		83		73		78	
Solids, Total Volatile	%	8.5		9		12		17		NA		NA		NA		NA		NA	
Cyanide, Total	mg/kg	1.2	U	4.5		1.2	U	1.1	U	NA		NA		NA		NA		NA	
pH	SU	NA		NA		NA		NA		7.4		6.8		7.4		6.7		7.6	
Nitrogen, Ammonia	mg/kg	9.4	U	9	U	9.2	U	8.6	U	NA		NA		NA		NA		NA	
Oil & Grease, Hem-Grav	mg/kg	1380		593		862		8660		NA		NA		NA		NA		NA	
Chromium, Hexavalent	mg/kg	1	U	0.99	U	1	U	0.94	U	NA		NA		NA		NA		NA	
Cyanide, Reactive	mg/kg	NA		NA		NA		NA		10	U	10	U	10	U	10	U	10	U
Sulfide, Reactive	mg/kg	NA		NA		NA		NA		10	U	10	U	10	U	10	U	10	U
Paint Filter Liquid	-		NEG		NEG		NEG		NEG	NA		NA		NA		NA		NA	
Chemical Oxygen Demand	mg/kg	1600		980		820		460		NA		NA		NA		NA		NA	
Ignitability of Solids																			
Ignitability	-	NA		NA		NA		NA		NI		NI		NI		NI		NI	
Total Metals																			
Aluminum, Total	mg/kg	6300		4400		5000		4100		NA		NA		NA		NA		NA	
Antimony, Total	mg/kg	17		27		25		5.7		NA		NA		NA		NA		NA	
Arsenic, Total	mg/kg	260		330		1200		18		NA		NA		NA		NA		NA	
Barium, Total	mg/kg	180		93		270		66		NA		NA		NA		NA		NA	
Beryllium, Total	mg/kg	0.52		0.76		0.47		0.33		NA		NA		NA		NA		NA	
Cadmium, Total	mg/kg	1.2		1.9		1.5		0.76		NA		NA		NA		NA		NA	
Calcium, Total	mg/kg	13000		120000		18000		5200		NA		NA		NA		NA		NA	
Chromium, Total	mg/kg	36		21		160		12		NA		NA		NA		NA		NA	
Cobalt, Total	mg/kg	6.6		9.7		9		6.2		NA		NA		NA		NA		NA	
Copper, Total	mg/kg	100		120		140		63		NA		NA		NA		NA		NA	
Iron, Total	mg/kg	19000		27000		18000		17000		NA		NA		NA		NA		NA	
Lead, Total	mg/kg	370		300		690		5400		NA		NA		NA		NA		NA	
Magnesium, Total	mg/kg	3200		1600		2000		2000		NA		NA		NA		NA		NA	
Manganese, Total	mg/kg	260		920		280		170		NA		NA		NA		NA		NA	
Mercury, Total	mg/kg	2		2.5		9		0.34		NA		NA		NA		NA		NA	
Nickel, Total	mg/kg	30		30		20		18		NA		NA		NA		NA		NA	
Potassium, Total	mg/kg	1200		530		920		650		NA		NA		NA		NA		NA	
Selenium, Total	mg/kg	1		1.2		6.7		1.1		NA		NA		NA		NA		NA	
Silver, Total	mg/kg	0.51	U	0.65		0.77		0.47		NA		NA		NA		NA		NA	
Sodium, Total	mg/kg	260		680		390		290		NA		NA		NA		NA		NA	
Thallium, Total	mg/kg	1.4		4.3		3.4		0.93	U	NA		NA		NA		NA		NA	
Vanadium, Total	mg/kg	22		22		19		17		NA		NA		NA		NA		NA	
Zinc, Total	mg/kg	180		180		230		150		NA		NA		NA		NA		NA	
Trivalent Chromium	mg/kg	36		21		160		12		NA		NA		NA		NA		NA	
TCLP pH Extraction Data																			
pH, Extraction Post-Filtration	SU	4.86		6.25		4.66		5.05		NA		NA		NA		NA		NA	

TABLE 3
Soil Waste Characterization Analytical Summary
Remedial Action Report
i.Park PS/BH
45 River Road
Edgewater, New Jersey

LOCATION		AS-1-TP-1		AS-1-TP-2		AS-2-TP-2		P-1-TP-1		AS-1-PH-1	AS-1-PH-2	AS-1-PH-3	AS-1-PH-4	AS-1-PH-5
SAMPLING DATE		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09	18-JUN-09	18-JUN-09	18-JUN-09	18-JUN-09
LAB SAMPLE ID		L0908171-01		L0908171-02		L0908171-03		L0908171-04		L0908171-09	L0908171-10	L0908171-11	L0908171-12	L0908171-13
	Units		Qual		Qual		Qual		Qual	Qual	Qual	Qual	Qual	Qual
TCLP Metals by EPA 1311														
Arsenic, TCLP	mg/kg	1	U	1	U	1	U	1	U	NA	NA	NA	NA	NA
Barium, TCLP	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	NA	NA	NA	NA	NA
Cadmium, TCLP	mg/kg	0.1	U	0.1	U	0.1	U	0.1	U	NA	NA	NA	NA	NA
Chromium, TCLP	mg/kg	0.2	U	0.2	U	0.2	U	0.2	U	NA	NA	NA	NA	NA
Copper, TCLP	mg/kg	0.2	U	0.2	U	0.2	U	0.2	U	NA	NA	NA	NA	NA
Lead, TCLP	mg/kg	0.5	U	0.5	U	0.5	U	240		NA	NA	NA	NA	NA
Mercury, TCLP	mg/kg	0.001	U	0.001	U	0.001	U	0.001	U	NA	NA	NA	NA	NA
Nickel, TCLP	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	NA	NA	NA	NA	NA
Selenium, TCLP	mg/kg	0.5	U	0.5	U	0.5	U	0.5	U	NA	NA	NA	NA	NA
Silver, TCLP	mg/kg	0.1	U	0.1	U	0.1	U	0.1	U	NA	NA	NA	NA	NA
Zinc, TCLP	mg/kg	1.3		0.59		1.5		1.3		NA	NA	NA	NA	NA
TCLP Pesticides by EPA 1311														
Chlordane	mg/kg	0.001	U	0.001	U	0.001	U	0.001	U	NA	NA	NA	NA	NA
Endrin	mg/kg	0.0002	U	0.0002	U	0.0002	U	0.0002	U	NA	NA	NA	NA	NA
Heptachlor	mg/kg	0.0001	U	0.0001	U	0.0001	U	0.0001	U	NA	NA	NA	NA	NA
Heptachlor epoxide	mg/kg	0.0001	U	0.0001	U	0.0001	U	0.0001	U	NA	NA	NA	NA	NA
Lindane	mg/kg	0.0001	U	0.0001	U	0.0001	U	0.0001	U	NA	NA	NA	NA	NA
Methoxychlor	mg/kg	0.001	U	0.001	U	0.001	U	0.001	U	NA	NA	NA	NA	NA
Toxaphene	mg/kg	0.001	U	0.001	U	0.001	U	0.001	U	NA	NA	NA	NA	NA
TCLP Herbicides by EPA 1311														
2,4,5-TP (Silvex)	mg/kg	0.003	U	0.003	U	0.003	U	0.003	U	NA	NA	NA	NA	NA
2,4-D	mg/kg	0.025	U	0.025	U	0.025	U	0.025	U	NA	NA	NA	NA	NA
TCLP Volatiles by EPA 1311														
1,1-Dichloroethene	mg/kg	0.005	U	0.005	U	0.005	U	0.005	U	NA	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	0.005	U	0.005	U	0.005	U	0.005	U	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	0.025	U	0.025	U	0.025	U	0.025	U	NA	NA	NA	NA	NA
2-Butanone	mg/kg	0.05	U	0.05	U	0.05	U	0.05	U	NA	NA	NA	NA	NA
Benzene	mg/kg	0.005	U	0.005	U	0.005	U	0.005	U	NA	NA	NA	NA	NA
Carbon tetrachloride	mg/kg	0.005	U	0.005	U	0.005	U	0.005	U	NA	NA	NA	NA	NA
Chlorobenzene	mg/kg	0.005	U	0.005	U	0.005	U	0.005	U	NA	NA	NA	NA	NA
Chloroform	mg/kg	0.0075	U	0.0075	U	0.0075	U	0.0075	U	NA	NA	NA	NA	NA
Tetrachloroethene	mg/kg	0.005	U	0.005	U	0.005	U	0.005	U	NA	NA	NA	NA	NA
Trichloroethene	mg/kg	0.005	U	0.005	U	0.005	U	0.005	U	NA	NA	NA	NA	NA
Vinyl chloride	mg/kg	0.01	U	0.01	U	0.01	U	0.01	U	NA	NA	NA	NA	NA
Volatile Organics by GC/MS-5035														
1,1,1-Trichloroethane	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002	U	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002	U	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	mg/kg	0.0046	U	0.0024	U	0.0052	U	0.003	U	NA	NA	NA	NA	NA
1,1-Dichloroethane	mg/kg	0.0046	U	0.0024	U	0.0052	U	0.003	U	NA	NA	NA	NA	NA
1,1-Dichloroethene	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002	U	NA	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002	U	NA	NA	NA	NA	NA
1,2-Dichloropropane	mg/kg	0.011	U	0.0057	U	0.012	U	0.0071	U	NA	NA	NA	NA	NA
2-Butanone	mg/kg	0.031	U	0.016	U	0.035	U	0.02	U	NA	NA	NA	NA	NA
Acetone	mg/kg	0.031	U	0.016	U	0.035	U	0.02	U	NA	NA	NA	NA	NA
Acrolein	mg/kg	0.077	U	0.041	U	0.087	U	0.051	U	NA	NA	NA	NA	NA
Acrylonitrile	mg/kg	0.012	U	0.0065	U	0.014	U	0.0081	U	NA	NA	NA	NA	NA

TABLE 3
Soil Waste Characterization Analytical Summary
Remedial Action Report
i.Park PS/BH
45 River Road
Edgewater, New Jersey

LOCATION		AS-1-TP-1		AS-1-TP-2		AS-2-TP-2		P-1-TP-1		AS-1-PH-1	AS-1-PH-2	AS-1-PH-3	AS-1-PH-4	AS-1-PH-5
SAMPLING DATE		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09	18-JUN-09	18-JUN-09	18-JUN-09	18-JUN-09
LAB SAMPLE ID		L0908171-01		L0908171-02		L0908171-03		L0908171-04		L0908171-09	L0908171-10	L0908171-11	L0908171-12	L0908171-13
	Units		Qual		Qual		Qual		Qual	Qual	Qual	Qual	Qual	Qual
Volatile Organics by GC/MS-5035														
Benzene	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002	U	NA	NA	NA	NA	NA
Bromodichloromethane	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002	U	NA	NA	NA	NA	NA
Bromoform	mg/kg	0.012	U	0.0065	U	0.014	U	0.0081	U	NA	NA	NA	NA	NA
Bromomethane	mg/kg	0.0062	U	0.0032	U	0.0069	U	0.004	U	NA	NA	NA	NA	NA
Carbon disulfide	mg/kg	0.031	U	0.016	U	0.035	U	0.02	U	NA	NA	NA	NA	NA
Carbon tetrachloride	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002	U	NA	NA	NA	NA	NA
Chlorobenzene	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002	U	NA	NA	NA	NA	NA
Chloroethane	mg/kg	0.0062	U	0.0032	U	0.0069	U	0.004	U	NA	NA	NA	NA	NA
Chloroform	mg/kg	0.0046	U	0.0024	U	0.0052	U	0.003	U	NA	NA	NA	NA	NA
Chloromethane	mg/kg	0.015	U	0.0081	U	0.017	U	0.01	U	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002	U	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002	U	NA	NA	NA	NA	NA
Dibromochloromethane	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002	U	NA	NA	NA	NA	NA
Ethylbenzene	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002		NA	NA	NA	NA	NA
Methylene chloride	mg/kg	0.031	U	0.016	U	0.035	U	0.02	U	NA	NA	NA	NA	NA
o-Xylene	mg/kg	0.0062	U	0.0032	U	0.0069	U	0.004	U	NA	NA	NA	NA	NA
p/m-Xylene	mg/kg	0.0062	U	0.0032	U	0.0069	U	0.004	U	NA	NA	NA	NA	NA
Styrene	mg/kg	0.0062	U	0.0032	U	0.0069	U	0.004	U	NA	NA	NA	NA	NA
Tetrachloroethene	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002	U	NA	NA	NA	NA	NA
Toluene	mg/kg	0.0046	U	0.0024	U	0.0052	U	0.003	U	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	mg/kg	0.0046	U	0.0024	U	0.0052	U	0.003	U	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002	U	NA	NA	NA	NA	NA
Trichloroethene	mg/kg	0.0031	U	0.0016	U	0.0035	U	0.002	U	NA	NA	NA	NA	NA
Vinyl chloride	mg/kg	0.0062	U	0.0032	U	0.0069	U	0.004	U	NA	NA	NA	NA	NA
Semivolatile Organics by GC/MS														
1,2,4-Trichlorobenzene	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	0.86	U	0.82	U	0.83	U	20	U	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	1.7	U	1.6	U	1.7	U	39	U	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	0.52	U	0.49	U	0.5	U	12	U	NA	NA	NA	NA	NA
2-Methylphenol	mg/kg	0.52	U	0.49	U	0.5	U	12	U	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	1.7	U	1.6	U	1.7	U	39	U	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	mg/kg	0.86	U	0.82	U	0.83	U	20	U	NA	NA	NA	NA	NA
3-Methylphenol/4-Methylphenol	mg/kg	0.52	U	0.49	U	0.5	U	12	U	NA	NA	NA	NA	NA
4,6-Dinitro-o-cresol	mg/kg	1.7	U	1.6	U	1.7	U	39	U	NA	NA	NA	NA	NA
4-Chloroaniline	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
Benzidine	mg/kg	4.3	U	4.1	U	4.2	U	98	U	NA	NA	NA	NA	NA

TABLE 1
Summary of Previous Soil Analytical Results
Remedial Action Report
CVS Pharmacy
45 River Road
Edgewater, New Jersey

Sample ID Laboratory ID Sampling Date Matrix Units	CAS No.	NJDEP Residential Direct Contact Soil Cleanup Criteria (mg/kg)	NJDEP Nonresidential Direct Contact Soil Cleanup Criteria (mg/kg)	NJDEP Impact to Groundwater Soil Cleanup Criteria (mg/kg)	LB-3 (3.5-4') AB77132 1/20/2003 Soil mg/kg	LB-4 (3.5-4') AB77131 1/20/2003 Soil mg/kg	LB-24 (4-4.5') AB85360 5/21/2003 Soil mg/kg	LB-26 (4.5-5') AB85465 5/22/2003 Soil mg/kg	LB-27 (4.5-5') AB85466 5/22/2003 Soil mg/kg	LB-28 (4.5-5') AB85467 5/22/2003 Soil mg/kg	GZA-27-2-3 T3548-02 07/08/05 Soil mg/kg
VOLATILE ORGANIC COMPOUNDS											
Acetone	67-64-1	1,000	1,000	100	3.2 U	3.6 U	2.9 U	2.8 U	2.5 U	2.5 U	0.42 J
SEMIVOLATILE ORGANIC COMPOUNDS											
2-Methylnaphthalene	91-57-6	NC	NC	NC	0.51 J	0.33 J	0.15 J	0.043 J	3.1 J	2.1 J	NA
Acenaphthene	83-32-9	3,400	10,000	100	1.1 J	0.93 J	0.46 J	0.16 J	6.2 J	11	1.6 J
Acenaphthylene	208-96-8	NC	NC	NC	0.24 J	1 J	0.14 J	0.04 J	8.7 U	7.7 U	0.63 U
Anthracene	120-12-7	10,000	10,000	100	1.5	2.4	0.77 J	0.33 J	9.6	31	3.1 J
Azobenzene	103-33-3	NC	NC	NC	NA	NA	NA	NA	NA	NA	0.79 U
Benzo[a]anthracene	56-55-3	0.9	4.0	500	**3.3**	**8.5**	**2.5**	**1.2**	**19**	**42**	9.3
Benzo[a]pyrene	50-32-8	0.66	0.66	100	**3.5**	**9.2**	**1.7**	**0.87**	**13**	**24**	5.6
Benzo[b]Fluoranthene	205-99-2	0.9	4.0	50	**5.4**	**15**	**2.6**	**2.0**	**16**	**36**	16
Benzo[g,h,i]perylene	191-24-2	NC	NC	NC	0.84 J	2.9	0.35 J	0.32 J	2 J	13	2.6 J
Benzo[k]Fluoranthene	207-08-9	0.9	4	500	**1.8**	**6.2**	**1.5**	0.75	**10**	**15**	3.5 J
Bis(2-Ethylhexyl)phthalate	117-81-7	49	210	100	1.2 U	1.2 U	0.27 J	0.18 J	8.7 U	7.7 U	0.75 U
Butylbenzylphthalate	85-68-7	1,100	10,000	100	1.2 U	0.33 J	1.4 U	0.65	8.7 U	7.7 U	0.63 U
Carbazole	86-74-8	NC	NC	NC	0.56 J	0.65 J	0.14 J	0.15 J	3.1 J	6.9 J	NA
Chrysene	218-01-9	9	40	500	3.2	8.7	2.7	1.1	**17**	**30**	7.9
Dibenzo[a,h]anthracene	53-70-3	0.66	0.66	100	0.32 J	**1.1** J	0.18 J	0.095 J	**1.2** J	**3.3** J	0.49 U
Dibenzofuran	132-64-9	NC	NC	NC	0.64 J	0.63 J	0.16 J	0.072 J	3.1 J	8.5	0.67 U
Di-n-butylphthalate	84-74-2	5,700	10,000	100	1.2 U	1.2 U	0.19 JB	0.091 JB	8.7 U	7.7 U	0.59 U
Fluoranthene	206-44-0	2,300	10,000	100	6.5	15	7.4	2.0	44	92	18
Fluorene	86-73-7	2,300	10,000	100	1.1 J	1.1 J	0.22 J	0.14 J	7.2 J	17	1.5 J
Indeno[1,2,3-cd]pyrene	193-39-5	0.9	4	500	**0.93** J	**3.3**	0.48 J	0.14 J	**2.8** J	**4.2** J	1 J
Naphthalene	91-20-3	230	4,200	100	1 J	0.87 J	0.17 J	0.055 J	2.4 J	3 J	0.67 U
Phenanthrene	85-01-8	NC	NC	NC	5.2	7.3	2.0	1.1	40	88	13
Pyrene	129-00-0	1,700	10,000	100	5.7	13	5.9	1.9	36	71	22
POLYCHLORINATED BIPHENYLS											
Aroclor-1221	11104-28-2	NC	NC	NC	0.02 U	0.4	0.023 U	0.019 U	0.022 U	0.019 U	0.0046 U
Aroclor-1242	53469-21-9	NC	NC	NC	0.02 U	0.02 U	0.023 U	0.49	0.022 U	0.019 U	0.0062 U
Aroclor-1254	11097-69-1	NC	NC	NC	0.11	0.45	0.066	0.019 U	0.022 U	0.019 U	0.002 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.02 U	0.02 U	0.023 U	0.67	0.022 U	0.019 U	0.005 U
Total PCBs		0.49	2	50	0.11	**0.85**	0.066	**1.16**	0.154 U	0.133 U	0.0307 U
PESTICIDES											
Beta-BHC	319-85-7	NC	NC	NC	0.0039 U	0.004 U	0.018	0.033	0.022 U	0.0077 U	NA
Endosulfan Sulfate	1031-07-8	NC	NC	NC	0.0039 U	0.004 U	0.0045 U	0.019 U	0.022 U	0.0077	NA
Endrin Aldehyde	7421-93-4	NC	NC	NC	0.0039 U	0.004 U	0.0097	0.030	0.022 U	0.0077 U	NA
Gamma-BHC	58-89-9	NC	NC	NC	0.0039 U	0.004 U	0.0045 U	0.019 U	0.022 U	0.0077	NA
P,P'-DDT	50-29-3	2	9	500	0.0039 U	0.0056	0.0087	0.019 U	0.034	0.017 U	NA
METALS											
Aluminum	7440-22-4	NC	NC	NC	18,000	5,900	11,000	6,100	4,600	4,900	NA
Antimony	7429-90-5	14	340	NC	4	**79**	**22**	2.3 U	**75**	9.4	24.9
Arsenic	7440-38-2	20	20	NC	**30**	**140**	**290**	7.7	**910**	**200**	154
Barium	7440-39-3	700	4,700	NC	62	150	320	71	280	130	NA
Beryllium	7440-41-7	2	2	NC	0.71 U	0.72 U	1.0	0.69 U	0.78 U	0.69 U	0.356 J
Cadmium	7440-70-2	39	100	NC	0.74	1.5	0.81 U	0.69 U	0.78 U	0.69 U	1.070
Calcium	7440-43-9	NC	NC	NC	11,000	5,000	15,000	36,000	20,000	4,200	NA
Chromium	7440-48-4	240/270	6,100/20	NC	26	41	42	25	40	35	37.8
Cobalt	7440-47-3	NC	NC	NC	11	8.9	13	8.0	7.3	8.3	NA
Copper	7440-50-8	600	600	NC	86	150	200	110	190	110	129
Iron	7439-89-6	NC	NC	NC	28,000	37,000	31,000	16,000	20,000	32,000	NA
Lead	7439-97-6	400	600	NC	170	**970**	**1000**	150	**910**	230	1290
Magnesium	7440-09-7	NC	NC	NC	5,800	1,200	1,300	3,000	1,600	1,800	NA
Manganese	7439-95-4	NC	NC	NC	330	320	260	250	330	330	NA
Mercury	7439-96-5	14	270	NC	0.48	3.3	2.5	0.49	**3.2**	0.56	1.0
Nickel	7440-23-5	250	2400	NC	26	89	36	**1,100**	40	35	40.3
Potassium	7440-02-0	NC	NC	NC	1,100	1,000	1,800	910	650 U	570 U	NA
Selenium	7439-92-1	63	3,100	NC	2.4 U	2.4 U	3.3	2.1 U	3.5	3.1	0.831 J
Sodium	7782-49-2	NC	NC	NC	820	600 U	890	570 U	650 U	570 U	NA
Thallium	7440-28-0	2	2	NC	1.4 U	1.4 U	1.6 U	1.4 U	1.8	1.4 U	0.950 J
Vanadium	7440-62-2	370	7,100	NC	37	35	23	25	25	28	NA
Zinc	7440-66-6	1,500	1,500	NC	120	190	190	160	340	100	200
GENERAL CHEMISTRY											
TPH		10,000	10,000	10,000	440	320	560	1,300	110	280	NA
Cyanide	57-12-5	1,100	21,000	NC	0.51	0.8	0.57	0.29 U	0.81	0.36	NA
% Solids		NC	NC	NC	85	83	74	87	77	87	NA

Notes:
U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the sample.
NA - Not analyzed.
NC - Not criteria.
Bolded values exceed NJDEP SCC.
Only detected compounds are listed.

TABLE 3
Soil Waste Characterization Analytical Summary
Remedial Action Report
i.Park PS/BH
45 River Road
Edgewater, New Jersey

LOCATION		AS-1-TP-1		AS-1-TP-2		AS-2-TP-2		P-1-TP-1		AS-1-PH-1	AS-1-PH-2	AS-1-PH-3	AS-1-PH-4	AS-1-PH-5
SAMPLING DATE		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09	18-JUN-09	18-JUN-09	18-JUN-09	18-JUN-09
LAB SAMPLE ID		L0908171-01		L0908171-02		L0908171-03		L0908171-04		L0908171-09	L0908171-10	L0908171-11	L0908171-12	L0908171-13
	Units		Qual		Qual		Qual		Qual	Qual	Qual	Qual	Qual	Qual
Semivolatile Organics by GC/MS														
Bis(2-chloroethoxy)methane	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
Bis(2-Ethylhexyl)phthalate	mg/kg	0.86	U	0.82	U	0.83	U	20	U	NA	NA	NA	NA	NA
Butyl benzyl phthalate	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
Carbazole	mg/kg	0.43		0.41	U	0.42	U	130		NA	NA	NA	NA	NA
Di-n-butylphthalate	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
Di-n-octylphthalate	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
Dibenzofuran	mg/kg	0.43	U	0.41	U	0.42	U	57		NA	NA	NA	NA	NA
Diethyl phthalate	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
Dimethyl phthalate	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	0.86	U	0.82	U	0.83	U	20	U	NA	NA	NA	NA	NA
Isophorone	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
n-Nitrosodi-n-propylamine	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
Nitrobenzene	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
NitrosoDiPhenylAmine(NDPA)/DPA	mg/kg	1.3	U	1.2	U	1.2	U	29	U	NA	NA	NA	NA	NA
P-Chloro-M-Cresol	mg/kg	0.43	U	0.41	U	0.42	U	9.8	U	NA	NA	NA	NA	NA
Phenol	mg/kg	0.61	U	0.58	U	0.58	U	14	U	NA	NA	NA	NA	NA
TCLP Semivolatiles by EPA 1311														
2,4,5-Trichlorophenol	mg/kg	0.025	U	0.025	U	0.025	U	0.025	U	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	0.025	U	0.025	U	0.025	U	0.025	U	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	0.03	U	0.03	U	0.03	U	0.03	U	NA	NA	NA	NA	NA
2-Methylphenol	mg/kg	0.03	U	0.03	U	0.03	U	0.03	U	NA	NA	NA	NA	NA
3-Methylphenol/4-Methylphenol	mg/kg	0.03	U	0.03	U	0.03	U	0.03	U	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	0.025	U	0.025	U	0.025	U	0.025	U	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	0.05	U	0.05	U	0.05	U	0.05	U	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	0.025	U	0.025	U	0.025	U	0.025	U	NA	NA	NA	NA	NA
Nitrobenzene	mg/kg	0.025	U	0.025	U	0.025	U	0.025	U	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	0.05	U	0.05	U	0.05	U	0.05	U	NA	NA	NA	NA	NA
Pyridine	mg/kg	0.25	U	0.25	U	0.25	U	0.25	U	NA	NA	NA	NA	NA
Semivolatile Organics by GC/MS-SIM														
2-Chloronaphthalene	mg/kg	0.17	U	0.16	U	0.83	U	16	U	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	0.5		0.16	U	0.83	U	180		NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	0.27		0.16	U	0.83	U	16	U	NA	NA	NA	NA	NA
Anthracene	mg/kg	1.5		0.34		1.6		210		NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	4.9		1.1		4.2		540		NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	4.9		1.3		4.4		530		NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	6.6		1.6		5.5		580		NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	3.2		0.84		3.1		290		NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	2.4		0.64		2.4		240		NA	NA	NA	NA	NA
Chrysene	mg/kg	6		1.2		4.5		540		NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	mg/kg	1		0.25		0.88		91		NA	NA	NA	NA	NA
Fluoranthene	mg/kg	9.5		1.6		9		890		NA	NA	NA	NA	NA
Fluorene	mg/kg	0.69		0.16	U	0.83	U	110		NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	0.69	U	0.66	U	3.3	U	63	U	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	0.43	U	0.41	U	2.1	U	39	U	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	0.69	U	0.66	U	3.3	U	63	U	NA	NA	NA	NA	NA

TABLE 3
Soil Waste Characterization Analytical Summary
Remedial Action Report
i.Park PS/BH
45 River Road
Edgewater, New Jersey

LOCATION		AS-1-TP-1		AS-1-TP-2		AS-2-TP-2		P-1-TP-1		AS-1-PH-1		AS-1-PH-2		AS-1-PH-3		AS-1-PH-4		AS-1-PH-5	
SAMPLING DATE		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09	
LAB SAMPLE ID		L0908171-01		L0908171-02		L0908171-03		L0908171-04		L0908171-09		L0908171-10		L0908171-11		L0908171-12		L0908171-13	
	Units		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
Semivolatile Organics by GC/MS-SIM																			
Indeno(1,2,3-cd)Pyrene	mg/kg	2.7		0.66		2.3		250		NA		NA		NA		NA		NA	
Naphthalene	mg/kg	0.48		0.16	U	0.83	U	100		NA		NA		NA		NA		NA	
Pentachlorophenol	mg/kg	0.69	U	0.66	U	3.3	U	63	U	NA		NA		NA		NA		NA	
Phenanthrene	mg/kg	5.8		0.83		3.8		660		NA		NA		NA		NA		NA	
Pyrene	mg/kg	8.5		1.7		8		780		NA		NA		NA		NA		NA	
PCB by GC																			
Aroclor 1016	mg/kg	0.0433	U	0.0412	U	0.0417	U	0.0392	U	NA		NA		NA		NA		NA	
Aroclor 1221	mg/kg	0.0433	U	0.0412	U	0.0417	U	0.0392	U	NA		NA		NA		NA		NA	
Aroclor 1232	mg/kg	0.0433	U	0.0412	U	0.0417	U	0.0392	U	NA		NA		NA		NA		NA	
Aroclor 1242	mg/kg	0.0433	U	0.0412	U	0.0417	U	0.0392	U	NA		NA		NA		NA		NA	
Aroclor 1248	mg/kg	0.0433	U	0.0412	U	0.0417	U	0.0392	U	NA		NA		NA		NA		NA	
Aroclor 1254	mg/kg	0.329		0.139		0.103		0.0392	U	NA		NA		NA		NA		NA	
Aroclor 1260	mg/kg	0.0642		0.0412	U	0.0417	U	0.0392	U	NA		NA		NA		NA		NA	
Aroclor 1262	mg/kg	0.0433	U	0.0412	U	0.0417	U	0.0392	U	NA		NA		NA		NA		NA	
Aroclor 1268	mg/kg	0.0433	U	0.0412	U	0.0417	U	0.0392	U	NA		NA		NA		NA		NA	
Pesticides by GC																			
4,4'-DDD	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
4,4'-DDE	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
4,4'-DDT	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Aldrin	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Alpha-BHC	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Beta-BHC	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Chlordane	mg/kg	0.216	U	0.206	U	0.0417	U	0.784	U	NA		NA		NA		NA		NA	
cis-Chlordane	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Delta-BHC	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Dieldrin	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Endosulfan I	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Endosulfan II	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Endosulfan sulfate	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Endrin	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Endrin aldehyde	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Endrin ketone	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Heptachlor	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Heptachlor epoxide	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Lindane	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Methoxychlor	mg/kg	0.0866	U	0.0823	U	0.0167	U	0.314	U	NA		NA		NA		NA		NA	
Toxaphene	mg/kg	0.216	U	0.206	U	0.0417	U	0.784	U	NA		NA		NA		NA		NA	
trans-Chlordane	mg/kg	0.0216	U	0.0206	U	0.00417	U	0.0784	U	NA		NA		NA		NA		NA	
Gasoline Range Organics																			
Gasoline Range Organics	mg/kg	NA		NA		NA		NA		3.2	U	3.3	U	3.7	U	4.2	U	3.8	U
Petroleum Hydrocarbon Quantitation																			
TPH	mg/kg	NA		NA		NA		NA		196		288		245		684		266	

TABLE 3
Soil Waste Characterization Analytical Summary
Remedial Action Report
i.Park PS/BH
45 River Road
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LOCATION		AS-1-PH-6		AS-1-PH-7		AS-1-PH-8		AS-1-PH-9		AS-1-PH-10		AS-2-PH-1		AS-2-PH-2		AS-2-PH-3		AS-2-PH-4	
SAMPLING DATE		18-JUN-09		18-JUN-09		18-JUN-09		01-JUL-09		01-JUL-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09	
LAB SAMPLE ID		L0908171-14		L0908171-15		L0908171-16		L0908905-01		L0908905-02		L0908171-17		L0908171-18		L0908171-19		L0908171-20	
	Units		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
General Chemistry																			
Solids, Total	%	82		85		84		87		86		80		79		68		76	
Solids, Total Volatile	%	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Cyanide, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
pH	SU	7.6		7.8		7.8		NA		NA		7.5		7.4		7.7		7.6	
Nitrogen, Ammonia	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Oil & Grease, Hem-Grav	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Chromium, Hexavalent	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Cyanide, Reactive	mg/kg	10	U	10	U	10	U	NA		NA		10	U	10	U	10	U	10	U
Sulfide, Reactive	mg/kg	10	U	10	U	10	U	NA		NA		10	U	10	U	10	U	10	U
Paint Filter Liquid	-	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Chemical Oxygen Demand	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Ignitability of Solids																			
Ignitability	-	NI		NI		NI		NA		NA		NI		NI		NI		NI	
Total Metals																			
Aluminum, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Antimony, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Arsenic, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Barium, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Beryllium, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Cadmium, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Calcium, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Chromium, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Cobalt, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Copper, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Iron, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Lead, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Magnesium, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Manganese, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Mercury, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Nickel, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Potassium, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Selenium, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Silver, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Sodium, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Thallium, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Vanadium, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Zinc, Total	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Trivalent Chromium	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
TCLP pH Extraction Data																			
pH, Extraction Post-Filtration	SU	NA		NA		NA		NA		NA		NA		NA		NA		NA	

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	Units	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
TCLP Metals by EPA 1311										
Arsenic, TCLP	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper, TCLP	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, TCLP	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, TCLP	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel, TCLP	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, TCLP	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc, TCLP	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Pesticides by EPA 1311										
Chlordane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor epoxide	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lindane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Herbicides by EPA 1311										
2,4,5-TP (Silvex)	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Volatiles by EPA 1311										
1,1-Dichloroethene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organics by GC/MS-5035										
1,1,1-Trichloroethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrolein	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA

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LAB SAMPLE ID		L0908171-14	L0908171-15	L0908171-16	L0908905-01	L0908905-02	L0908171-17	L0908171-18	L0908171-19	L0908171-20
	Units	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
Volatile Organics by GC/MS-5035										
Benzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
p/m-Xylene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Semivolatile Organics by GC/MS										
1,2,4-Trichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Methylphenol/4-Methylphenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-o-cresol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLING DATE		18-JUN-09	18-JUN-09	18-JUN-09	01-JUL-09	01-JUL-09	18-JUN-09	18-JUN-09	18-JUN-09	18-JUN-09
LAB SAMPLE ID		L0908171-14	L0908171-15	L0908171-16	L0908905-01	L0908905-02	L0908171-17	L0908171-18	L0908171-19	L0908171-20
	Units	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
Semivolatile Organics by GC/MS										
Bis(2-chloroethoxy)methane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-Ethylhexyl)phthalate	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octylphthalate	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodi-n-propylamine	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
NitrosoDiPhenylAmine(NDPA)/DPA	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
P-Chloro-M-Cresol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Semivolatiles by EPA 1311										
2,4,5-Trichlorophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Methylphenol/4-Methylphenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyridine	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Semivolatile Organics by GC/MS-SIM										
2-Chloronaphthalene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA

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SAMPLING DATE		18-JUN-09		18-JUN-09		18-JUN-09		01-JUL-09		01-JUL-09		18-JUN-09		18-JUN-09		18-JUN-09		18-JUN-09	
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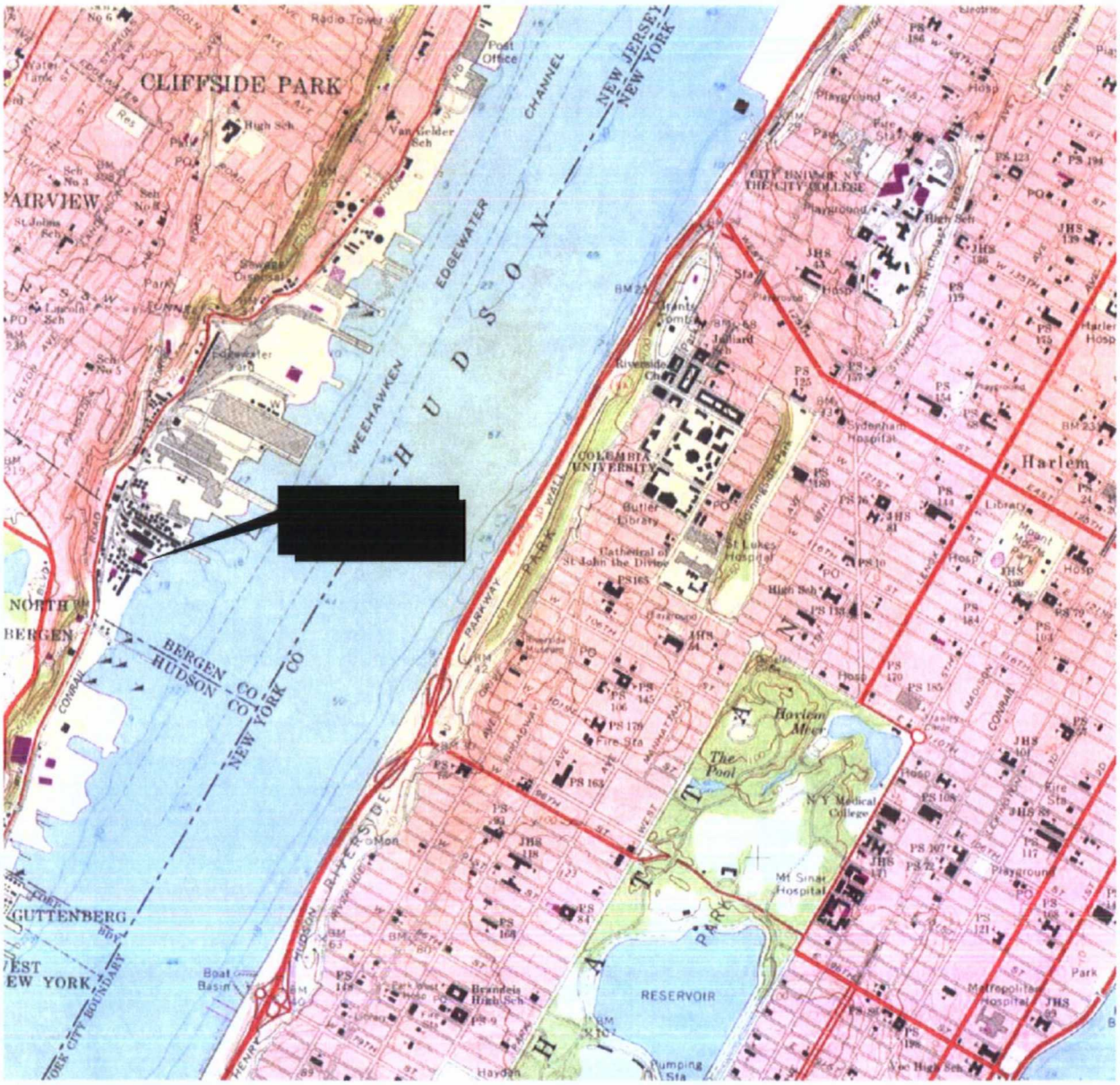
	Units		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
Semivolatile Organics by GC/MS-SIM																			
Indeno(1,2,3-cd)Pyrene	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Naphthalene	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Pentachlorophenol	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Phenanthrene	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Pyrene	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
PCB by GC																			
Aroclor 1016	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Aroclor 1221	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Aroclor 1232	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Aroclor 1242	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Aroclor 1248	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Aroclor 1254	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Aroclor 1260	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Aroclor 1262	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Aroclor 1268	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Pesticides by GC																			
4,4'-DDD	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
4,4'-DDE	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
4,4'-DDT	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Aldrin	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Alpha-BHC	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Beta-BHC	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Chlordane	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
cis-Chlordane	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Delta-BHC	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Dieldrin	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Endosulfan I	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Endosulfan II	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Endosulfan sulfate	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Endrin	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Endrin aldehyde	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Endrin ketone	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Heptachlor	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Heptachlor epoxide	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Lindane	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Methoxychlor	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Toxaphene	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
trans-Chlordane	mg/kg	NA		NA		NA		NA		NA		NA		NA		NA		NA	
Gasoline Range Organics																			
Gasoline Range Organics	mg/kg	3.6	U	2.9	U	3.1	U	2.9	U	3.3	U	3.4	U	3.8	U	4.3	U	3.6	U
Petroleum Hydrocarbon Quantitation																			
TPH	mg/kg	210		196	U	152		553		126		1160		718		401		794	

Notes:

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

NA - Not Analyzed



ACKNOWLEDGEMENT:

FIGURE BASED ON U.S. GEOLOGICAL SURVEY, CENTAL PARK QUADRANGLE (7.5 MINUTE SERIES TOPOGRAPHIC MAP), DATED 1966, PHOTOREVISED 1979

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File Name: figure 1.dwg

Project Mgr: DW Reviewed By: SF
Designed By: DW Drawn By: EM

Revision No.: Rev. Date/Time Revised: Sep 16, 2009-1:11pm

I. PARK EDGEWATER
45 River Road
Edgewater, New Jersey

Site Location Plan

CVS Pharmacy Remedial Action Report

SCALE
0 1000' 2000' 4000'

Project No. 41.0161318.04

Figure No. ***Figure 1***

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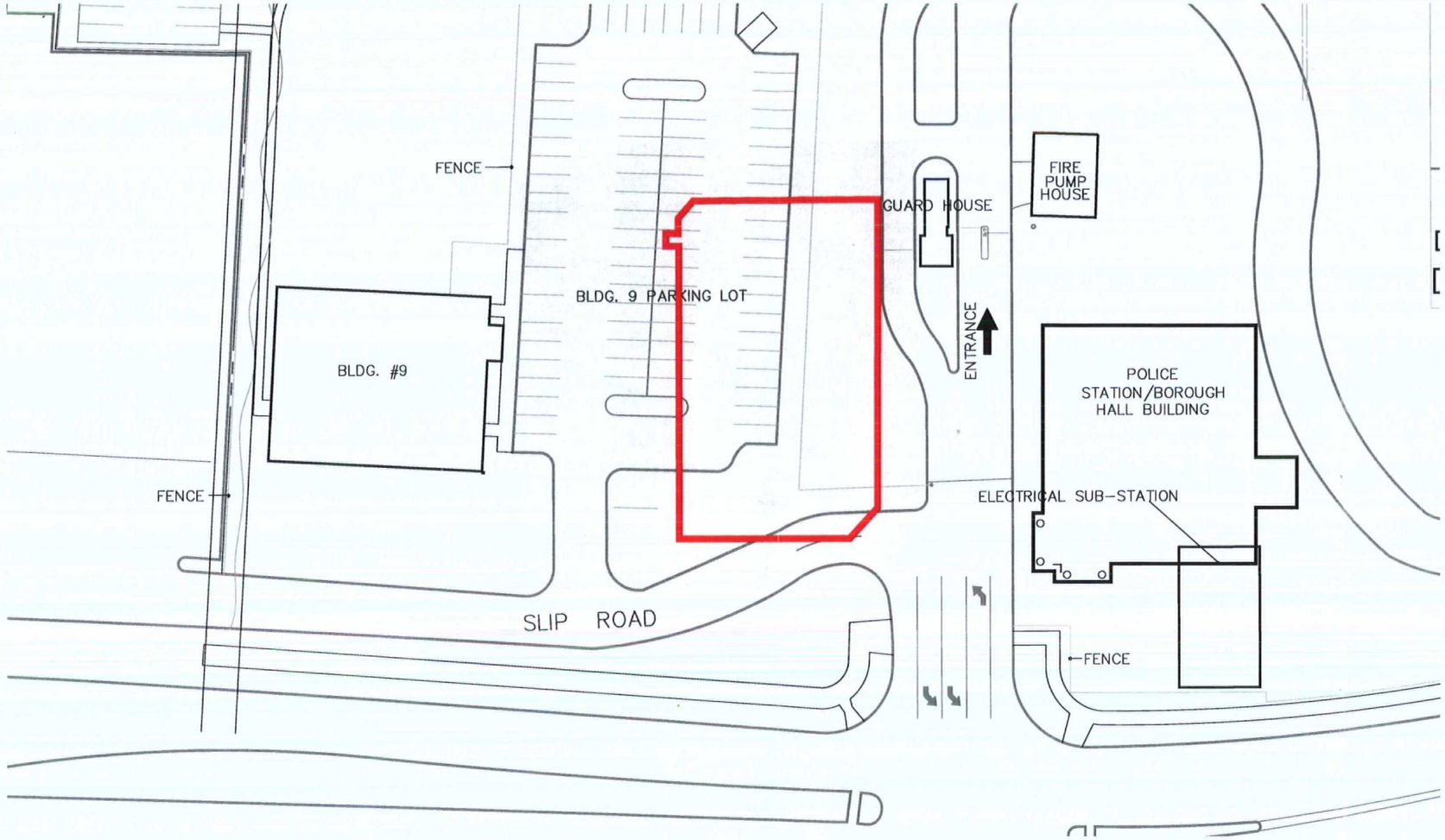

LEGEND:

EXTENT OF PROPOSED CVS PHARMACY BUILDING

EXTENT OF CVS PARCEL

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File Name: figure 2.dwg

Project Mgr: DW Reviewed By: SF
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Revision No.: Rev. Date/Time Revised: Sep 16, 2009-2:26pm

I. PARK EDGEWATER
45 River Road
Edgewater, New Jersey

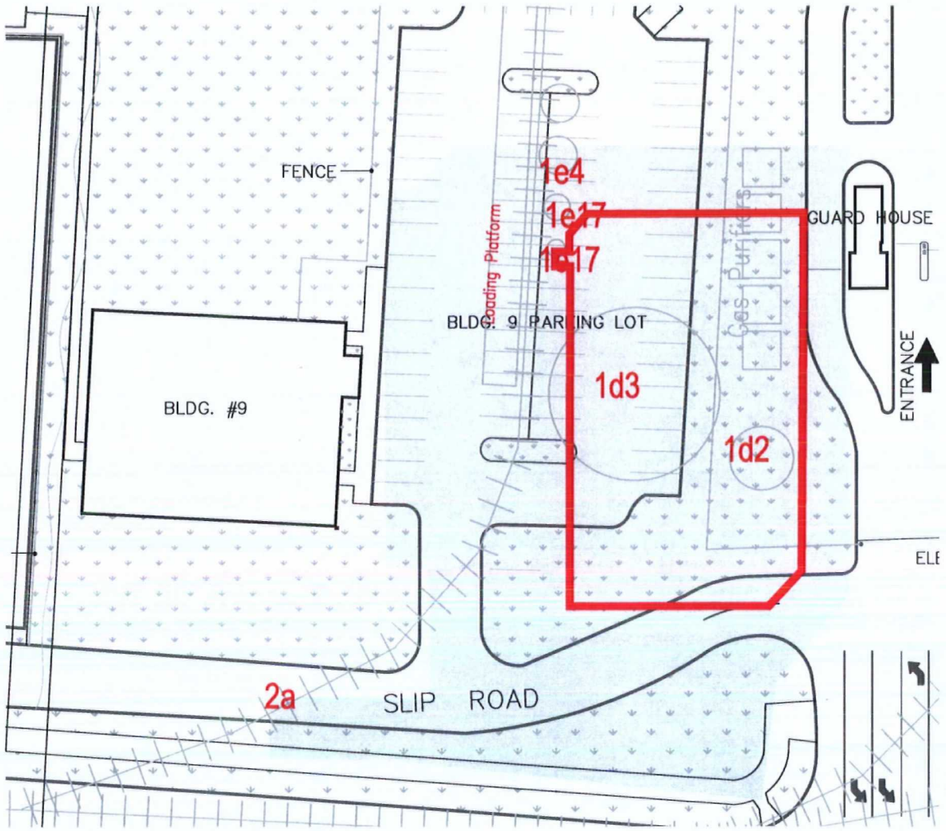
Site Plan

CVS Pharmacy Remedial Action Report

SCALE 0 30' 60'

Project No. 41.0161318.04

Exhibit 2



POTENTIALLY CONTAMINATED AREAS OF CONCERN

AREA OF CONCERN (AOC)	AOC#	Description	NFA
Gas Storage Tanks/Purifiers			
	1d2	One former 20,000 cubic foot hydrogen or nitrogen AST	X
	1d3	One former 75,000 cubic foot hydrogen or nitrogen AST	X
Former Chemical Storage Tanks/Bins	1e4	One former 9,740 gallon toluene AST	X
	1e17	Uknown AST	X
AOC#2 Loading and Unloading Areas	2a	Former railroad spurs (Block 97)	X

LEGEND:

EXTENT OF PROPOSED CVS PHARMACY BUILDING

EXTENT OF CVS PHARMACY PARCEL

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File Name: figure 3.dwg

Project Mgr: DW Reviewed By: SF
Designed By: Drawn By: MT

Revision No.: Rev. Date/Time Revised: Sep 28, 2009-9:45am

I. PARK EDGEWATER
45 River Road
Edgewater, New Jersey

Area of Concern Map - CVS Pharmacy

CVS Pharmacy Remedial Action Report

SCALE 0 30' 60'

Project No. 41.0161318.04

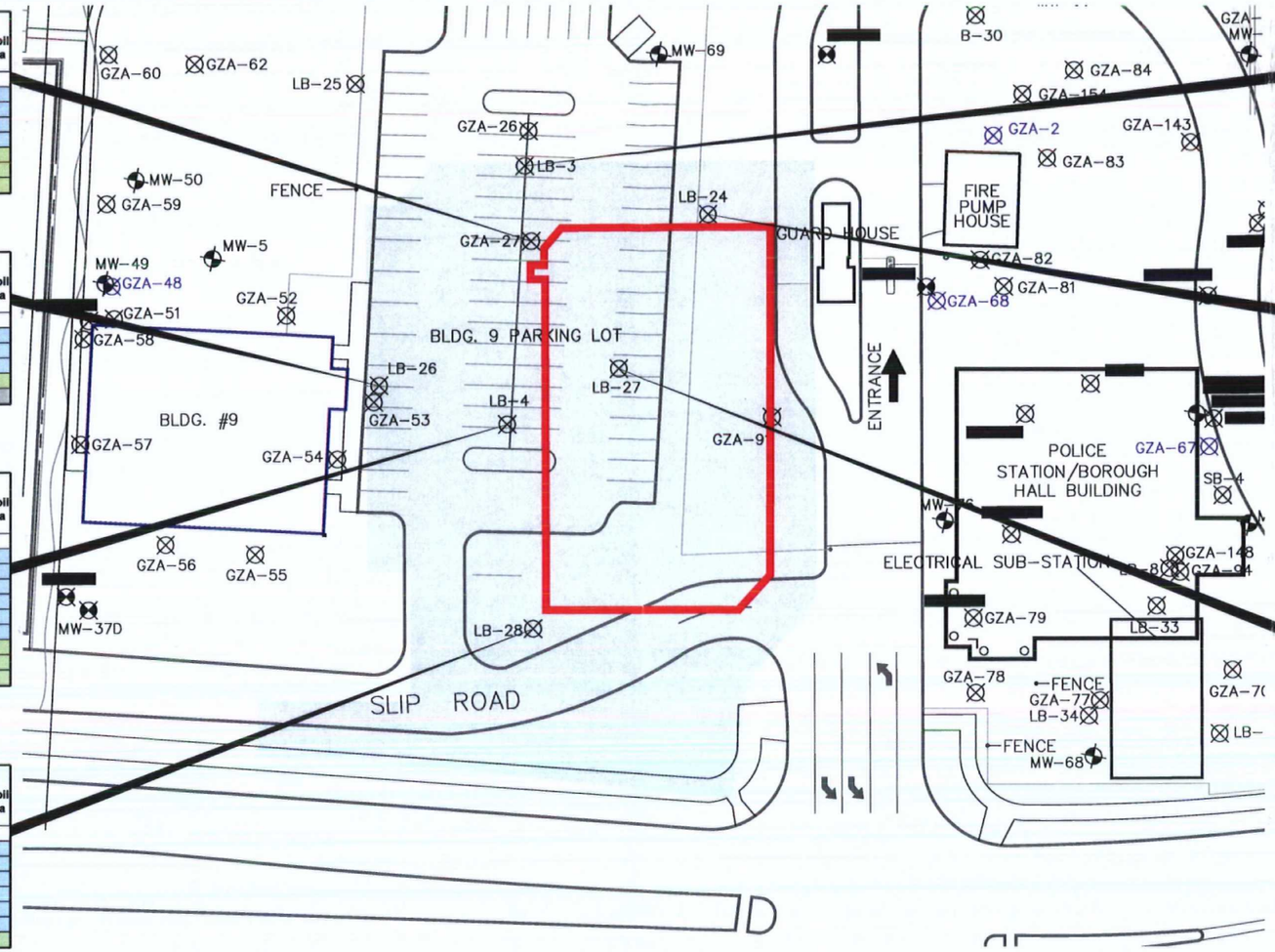
Exhibit 3

GZA-27 (2-3')	MG/KG	Residential Direct Contact Soil Cleanup Criteria MG/KG	Non-Residential Direct Contact Soil Cleanup Criteria MG/KG	Impact to Groundwater Soil Cleanup Criteria MG/KG
Benzo(a)anthracene	9.3	0.9	4	500
Benzo(a)pyrene	5.6	0.66	0.66	100
Benzo(b)fluoranthene	16	0.9	4	500
Benzo(k)fluoranthene	3.5	0.9	4	500
Antimony	25	14	340	NC
Arsenic	154	20	20	NC
Lead	1,290	400	600	NC

LB-26 (4-4.5')	MG/KG	Residential Direct Contact Soil Cleanup Criteria MG/KG	Non-Residential Direct Contact Soil Cleanup Criteria MG/KG	Impact to Groundwater Soil Cleanup Criteria MG/KG
Benzo(a)anthracene	1.2	0.9	4	500
Benzo(a)pyrene	0.87	0.66	0.66	100
Benzo(b)fluoranthene	2.0	0.9	4	500
Nickel	1,100	250	2,400	NC
PCBs	1.16	0.49	2	50

LB-4 (3.5-4')	MG/KG	Residential Direct Contact Soil Cleanup Criteria MG/KG	Non-Residential Direct Contact Soil Cleanup Criteria MG/KG	Impact to Groundwater Soil Cleanup Criteria MG/KG
Benzo(a)anthracene	8.5	0.9	4	500
Benzo(a)pyrene	9.2	0.66	0.66	100
Benzo(b)fluoranthene	15	0.9	4	500
Benzo(k)fluoranthene	6.2	0.9	4	500
Dibenzo(a,h)anthracene	1.1	0.66	0.66	100
Indeno(1,2,3-cd)pyrene	3.3	0.9	4	500
Antimony	79	14	340	NC
Arsenic	140	20	20	NC
Lead	970	400	600	NC

LB-28 (4.5-5')	MG/KG	Residential Direct Contact Soil Cleanup Criteria MG/KG	Non-Residential Direct Contact Soil Cleanup Criteria MG/KG	Impact to Groundwater Soil Cleanup Criteria MG/KG
Benzo(a)anthracene	42	0.9	4	500
Benzo(a)pyrene	24	0.66	0.66	100
Benzo(b)fluoranthene	36	0.9	4	500
Benzo(k)fluoranthene	15	0.9	4	500
Chrysene	30	9	40	500
Dibenzo(a,h)anthracene	3.3	0.66	0.66	100
Arsenic	200	20	20	NC



LB-3 (3.5-4')	MG/KG	Residential Direct Contact Soil Cleanup Criteria MG/KG	Non-Residential Direct Contact Soil Cleanup Criteria MG/KG	Impact to Groundwater Soil Cleanup Criteria MG/KG
Benzo(a)anthracene	3.3	0.9	4	500
Benzo(a)pyrene	3.5	0.66	0.66	100
Benzo(b)fluoranthene	5.4	0.9	4	500
Benzo(k)fluoranthene	1.8	0.9	4	500
Indeno(1,2,3-cd)pyrene	0.93	0.9	4	500
Arsenic	30	20	20	NC

LB-24 (4-4.5')	MG/KG	Residential Direct Contact Soil Cleanup Criteria MG/KG	Non-Residential Direct Contact Soil Cleanup Criteria MG/KG	Impact to Groundwater Soil Cleanup Criteria MG/KG
Benzo(a)anthracene	2.5	0.9	4	500
Benzo(a)pyrene	1.7	0.66	0.66	100
Benzo(b)fluoranthene	2.6	0.9	4	500
Benzo(k)fluoranthene	1.5	0.9	4	500
Antimony	22	14	340	NC
Arsenic	290	20	20	NC
Lead	1,000	400	600	NC

LB-27 (3-3.5')	MG/KG	Residential Direct Contact Soil Cleanup Criteria MG/KG	Non-Residential Direct Contact Soil Cleanup Criteria MG/KG	Impact to Groundwater Soil Cleanup Criteria MG/KG
Benzo(a)anthracene	19	0.9	4	500
Benzo(a)pyrene	13	0.66	0.66	100
Benzo(b)fluoranthene	16	0.9	4	500
Benzo(k)fluoranthene	10	0.9	4	500
Chrysene	150	9	40	500
Dibenzo(a,h)anthracene	1.2	0.66	0.66	100
Indeno(1,2,3-cd)pyrene	2.8	0.9	4	500
Antimony	75	14	340	NC
Arsenic	30	20	20	NC
Lead	450	400	600	NC

LEGEND:

MW-5 MONITORING WELL LOCATION

GZA-2 BORING LOCATION

GZA-49 TEMPORARY WELL POINTS

EXTENT OF PROPOSED CVS PHARMACY BUILDING

EXTENT OF CVS PHARMACY PARCEL

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File Name: figure 4.dwg

Project Mgr: DW Reviewed By: SF
Designed By: Drawn By: MT

Revision No.: Rev. Date/Time Revised: Oct 08, 2009-10:29am

I. PARK EDGEWATER
45 River Road
Edgewater, New Jersey

Boring and Well Location Plan

CVS Pharmacy Remedial Action Report

SCALE 0 30' 60'

Project No. 41.0161318.04

Exhibit 4

LB-27-BEP (5.5-6')	MG/KG	NJDEP Residential Direct Contact Soil Cleanup Criteria MG/KG	NJDEP Non-Residential Direct Contact Soil Cleanup Criteria MG/KG	NJDEP Impact to Groundwater Direct Contact Soil Cleanup Criteria MG/KG	Alternative Remedial Standard MG/KG
Arsenic	500	20	20	(h)	600

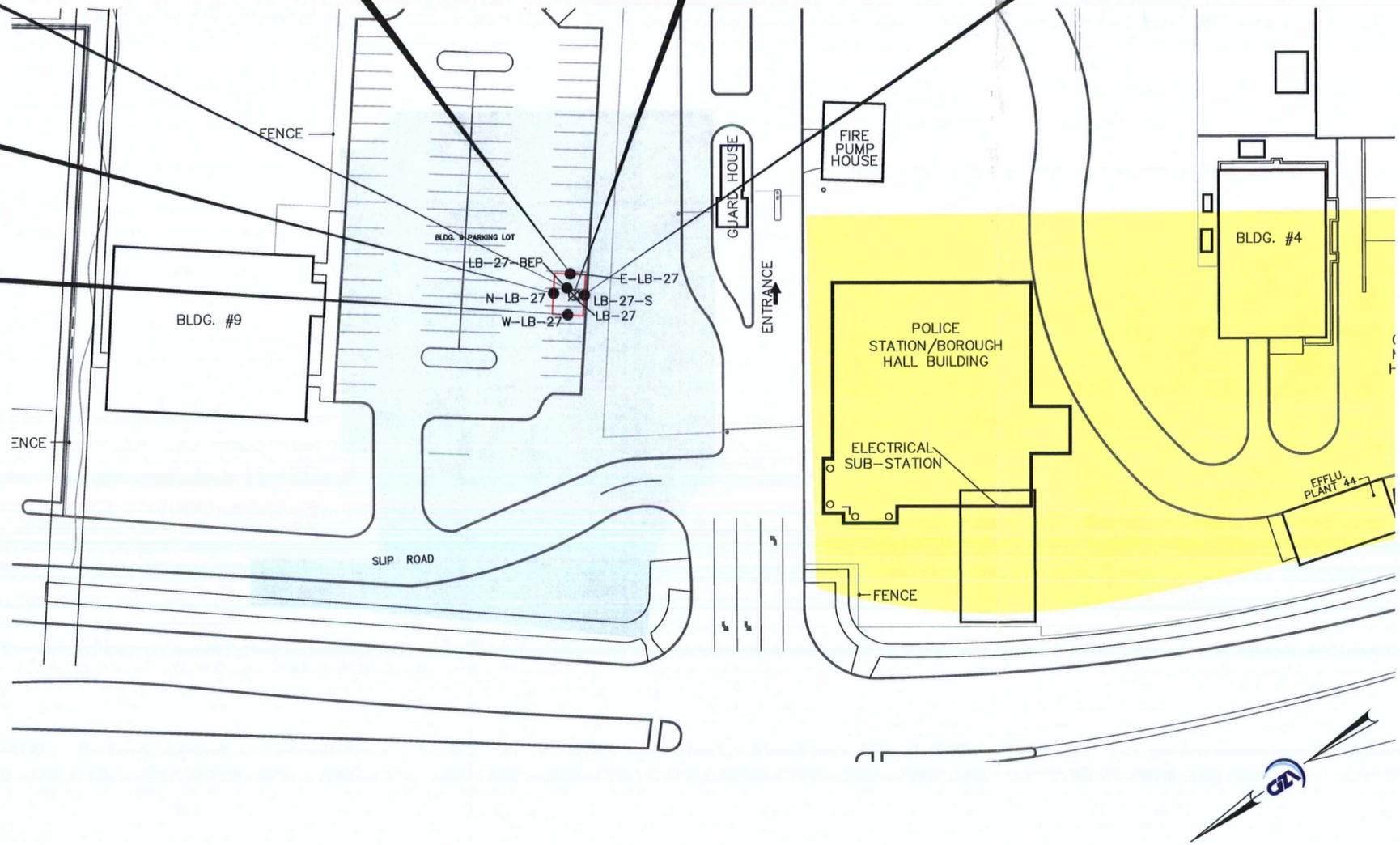
E-LB-27 (5-5.5')	MG/KG	NJDEP Residential Direct Contact Soil Cleanup Criteria MG/KG	NJDEP Non-Residential Direct Contact Soil Cleanup Criteria MG/KG	NJDEP Impact to Groundwater Direct Contact Soil Cleanup Criteria MG/KG	Alternative Remedial Standard MG/KG
Arsenic	180	20	20	(h)	600

LB-27(4.5-5')	MG/KG	NJDEP Residential Direct Contact Soil Cleanup Criteria MG/KG	NJDEP Non-Residential Direct Contact Soil Cleanup Criteria MG/KG	NJDEP Impact to Groundwater Direct Contact Soil Cleanup Criteria MG/KG	Alternative Remedial Standard MG/KG
Arsenic	900	20	20	(h)	600

LB-27-S (5-5.5')	MG/KG	NJDEP Residential Direct Contact Soil Cleanup Criteria MG/KG	NJDEP Non-Residential Direct Contact Soil Cleanup Criteria MG/KG	NJDEP Impact to Groundwater Direct Contact Soil Cleanup Criteria MG/KG	Alternative Remedial Standard MG/KG
Arsenic	292	20	20	(h)	600

N-LB-27 (5-5.5')	MG/KG	NJDEP Residential Direct Contact Soil Cleanup Criteria MG/KG	NJDEP Non-Residential Direct Contact Soil Cleanup Criteria MG/KG	NJDEP Impact to Groundwater Direct Contact Soil Cleanup Criteria MG/KG	Alternative Remedial Standard MG/KG
Arsenic	520	20	20	(h)	600

W-LB-27 (5-5.5')	MG/KG	NJDEP Residential Direct Contact Soil Cleanup Criteria MG/KG	NJDEP Non-Residential Direct Contact Soil Cleanup Criteria MG/KG	NJDEP Impact to Groundwater Direct Contact Soil Cleanup Criteria MG/KG	Alternative Remedial Standard MG/KG
Arsenic	330	20	20	(h)	600



LEGEND:

LB-27⊠ BORING LOCATION

LB-27-N● EXCAVATION SAMPLE

EXTENT OF POLICE STATION/BOROUGH HALL PARCEL

EXTENT OF CVS PHARMACY PARCEL

AREA OF EXCAVATION

(h) THE IMPACT TO GROUNDWATER VALUES FOR INORGANIC CONSTITUENTS WILL BE DEVELOPED BASED UPON SITE SPECIFIC CHEMICAL AND PHYSICAL PARAMETERS

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Project Mgr: DW Reviewed By: SF
Designed By: Drawn By: MT

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I. PARK EDGEWATER
45 River Road
Edgewater, New Jersey

Excavation Analytical Results Summary

CVS Pharmacy Remedial Action Report

SCALE 0 30' 60'

Project No. 41.0161318.04

Exhibit 5

APPENDIX A

LABORATORY ANALYTICAL DATA PACKAGES FOR POST-EXCAVATION SAMPLES

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8975-1

SDG Number: 220-8975

Job Description: 45 River Road, Edgewater, NJ

For:
GZA GeoEnvironmental, Inc.
440 9-th Ave., 18th Floor
New York, NY 10001

Attention: Mr. Dave Winslow

Joan Widomski

Approved for release.
Joan Widomski
5/8/2009 2:35 PM

Designee for
Jill M Duhancik
Project Manager I
jill.duhancik@testamericainc.com
05/08/2009

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

TestAmerica Laboratories, Inc.
TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484
Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

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Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
No analytical or quality issues were noted.

SAMPLE SUMMARY

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
Sdg Number: 220-8975

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8975-1	LB-27-N-5.5	Solid	05/01/2009 1045	05/01/2009 1730
220-8975-2	LB-27-S-5.5	Solid	05/01/2009 1045	05/01/2009 1730
220-8975-3	LB-27-E-5.5	Solid	05/01/2009 1045	05/01/2009 1730
220-8975-4	LB-27-W-5.5	Solid	05/01/2009 1045	05/01/2009 1730
220-8975-5	LB-27-B-6.0	Solid	05/01/2009 1045	05/01/2009 1730
220-8975-6	DUP-SWALL	Solid	05/01/2009 1045	05/01/2009 1730

EXECUTIVE SUMMARY - Detections

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
Sdg Number: 220-8975

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
220-8975-1	**LB-27-N-5.5**				
Arsenic		2520	6.9	mg/Kg	6010B
Percent Moisture		25.1	0.100	%	Moisture
Percent Solids		74.9	0.100	%	Moisture
220-8975-2	**LB-27-S-5.5**				
Arsenic		292	6.4	mg/Kg	6010B
Percent Moisture		18.5	0.100	%	Moisture
Percent Solids		81.5	0.100	%	Moisture
220-8975-3	**LB-27-E-5.5**				
Arsenic		1720	6.7	mg/Kg	6010B
Percent Moisture		24.3	0.100	%	Moisture
Percent Solids		75.7	0.100	%	Moisture
220-8975-4	**LB-27-W-5.5**				
Arsenic		770	6.7	mg/Kg	6010B
Percent Moisture		23.0	0.100	%	Moisture
Percent Solids		77.0	0.100	%	Moisture
220-8975-5	**LB-27-B-6.0**				
Arsenic		1280	6.7	mg/Kg	6010B
Percent Moisture		22.0	0.100	%	Moisture
Percent Solids		78.0	0.100	%	Moisture
220-8975-6	**DUP-SWALL**				
Arsenic		375	6.2	mg/Kg	6010B
Percent Moisture		18.9	0.100	%	Moisture
Percent Solids		81.1	0.100	%	Moisture

METHOD SUMMARY

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
Sdg Number: 220-8975

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL CT	SW846 6010B	
Preparation, Metals	TAL CT		SW846 3050B
Percent Moisture	TAL CT	EPA Moisture	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
Sdg Number: 220-8975

Method	Analyst	Analyst ID
SW846 6010B	Petronchak, Nestor	NP
EPA Moisture	Voytek, Joseph F	JFV

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
Sdg Number: 220-8975

Client Sample ID: **LB-27-N-5.5**

Lab Sample ID: 220-8975-1
Client Matrix: Solid
% Moisture: 25.1
Date Sampled: 05/01/2009 1045
Date Received: 05/01/2009 1730

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/04/2009 1101
Date Prepared: 05/02/2009 1153

Analysis Batch: 220-26819
Prep Batch: 220-26801

Instrument ID: TJA Trace ICAP
Lab File ID: W050409
Initial Weight/Volume: 2.04 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2520		2.2	6.9

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
Sdg Number: 220-8975

Client Sample ID: **LB-27-S-5.5**

Lab Sample ID: 220-8975-2
Client Matrix: Solid
% Moisture: 18.5
Date Sampled: 05/01/2009 1045
Date Received: 05/01/2009 1730

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/04/2009 1118
Date Prepared: 05/02/2009 1153

Analysis Batch: 220-26819
Prep Batch: 220-26801

Instrument ID: TJA Trace ICAP
Lab File ID: W050409
Initial Weight/Volume: 2.01 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		292		2.1	6.4

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
Sdg Number: 220-8975

Client Sample ID: **LB-27-E-5.5**

Lab Sample ID: 220-8975-3
Client Matrix: Solid

% Moisture: 24.3

Date Sampled: 05/01/2009 1045
Date Received: 05/01/2009 1730

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/04/2009 1124
Date Prepared: 05/02/2009 1153

Analysis Batch: 220-26819
Prep Batch: 220-26801

Instrument ID: TJA Trace ICAP
Lab File ID: W050409
Initial Weight/Volume: 2.06 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1720		2.2	6.7

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
Sdg Number: 220-8975

Client Sample ID: **LB-27-W-5.5**

Lab Sample ID:	220-8975-4			Date Sampled:	05/01/2009 1045
Client Matrix:	Solid	% Moisture:	23.0	Date Received:	05/01/2009 1730

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-26819		Instrument ID:	TJA Trace ICAP
Preparation:	3050B	Prep Batch: 220-26801		Lab File ID:	W050409
Dilution:	1.0			Initial Weight/Volume:	2.04 g
Date Analyzed:	05/04/2009 1130			Final Weight/Volume:	250 mL
Date Prepared:	05/02/2009 1153				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		770		2.1	6.7

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
Sdg Number: 220-8975

Client Sample ID: **LB-27-B-6.0**

Lab Sample ID: 220-8975-5
Client Matrix: Solid

% Moisture: 22.0

Date Sampled: 05/01/2009 1045
Date Received: 05/01/2009 1730

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/04/2009 1136
Date Prepared: 05/02/2009 1153

Analysis Batch: 220-26819
Prep Batch: 220-26801

Instrument ID: TJA Trace ICAP
Lab File ID: W050409
Initial Weight/Volume: 2.00 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1280		2.2	6.7

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
Sdg Number: 220-8975

Client Sample ID: **DUP-SWALL**

Lab Sample ID:	220-8975-6			Date Sampled:	05/01/2009 1045
Client Matrix:	Solid	% Moisture:	18.9	Date Received:	05/01/2009 1730

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-26819		Instrument ID:	TJA Trace ICAP
Preparation:	3050B	Prep Batch: 220-26801		Lab File ID:	W050409
Dilution:	1.0			Initial Weight/Volume:	2.08 g
Date Analyzed:	05/04/2009 1141			Final Weight/Volume:	250 mL
Date Prepared:	05/02/2009 1153				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		375		2.0	6.2

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
Sdg Number: 220-8975

General Chemistry

Client Sample ID: **LB-27-N-5.5**

Lab Sample ID: 220-8975-1
Client Matrix: Solid

Date Sampled: 05/01/2009 1045
Date Received: 05/01/2009 1730

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	25.1		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26814		Date Analyzed	05/04/2009 1016			
Percent Solids	74.9		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26814		Date Analyzed	05/04/2009 1016			

Client Sample ID: **LB-27-S-5.5**

Lab Sample ID: 220-8975-2
Client Matrix: Solid

Date Sampled: 05/01/2009 1045
Date Received: 05/01/2009 1730

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26814		Date Analyzed	05/04/2009 1016			
Percent Solids	81.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26814		Date Analyzed	05/04/2009 1016			

Client Sample ID: **LB-27-E-5.5**

Lab Sample ID: 220-8975-3
Client Matrix: Solid

Date Sampled: 05/01/2009 1045
Date Received: 05/01/2009 1730

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	24.3		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26814		Date Analyzed	05/04/2009 1016			
Percent Solids	75.7		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26814		Date Analyzed	05/04/2009 1016			

General Chemistry

Client Sample ID: **LB-27-W-5.5**

Lab Sample ID: 220-8975-4
Client Matrix: Solid

Date Sampled: 05/01/2009 1045
Date Received: 05/01/2009 1730

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	23.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26814		Date Analyzed	05/04/2009 1016			
Percent Solids	77.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26814		Date Analyzed	05/04/2009 1016			

Client Sample ID: **LB-27-B-6.0**

Lab Sample ID: 220-8975-5
Client Matrix: Solid

Date Sampled: 05/01/2009 1045
Date Received: 05/01/2009 1730

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	22.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26814		Date Analyzed	05/04/2009 1016			
Percent Solids	78.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26814		Date Analyzed	05/04/2009 1016			

Client Sample ID: **DUP-SWALL**

Lab Sample ID: 220-8975-6
Client Matrix: Solid

Date Sampled: 05/01/2009 1045
Date Received: 05/01/2009 1730

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18.9		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26814		Date Analyzed	05/04/2009 1016			
Percent Solids	81.1		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26814		Date Analyzed	05/04/2009 1016			

DATA REPORTING QUALIFIERS

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
Sdg Number: 220-8975

Lab Section	Qualifier	Description
Metals		
	*	Duplicate analysis not within control limits.
	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
SDG: 220-8975

Laboratory Chronicle

Lab ID: 220-8975-1 **Client ID:** LB-27-N-5.5

Sample Date/Time: 05/01/2009 10:45 Received Date/Time: 05/01/2009 17:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	220-8975-A-1-A		220-26819	220-26801	05/02/2009 11:53	1	TAL CT	BC
A:6010B	220-8975-A-1-A		220-26819	220-26801	05/04/2009 11:01	1	TAL CT	NP
A:Moisture	220-8975-A-1		220-26814		05/04/2009 10:16	1	TAL CT	JFV

Lab ID: 220-8975-1 MS **Client ID:** LB-27-N-5.5

Sample Date/Time: 05/01/2009 10:45 Received Date/Time: 05/01/2009 17:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	220-8975-A-1-C MS		220-26819	220-26801	05/02/2009 11:53	1	TAL CT	BC
A:6010B	220-8975-A-1-C MS		220-26819	220-26801	05/04/2009 11:13	1	TAL CT	NP

Lab ID: 220-8975-1 DU **Client ID:** LB-27-N-5.5

Sample Date/Time: 05/01/2009 10:45 Received Date/Time: 05/01/2009 17:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	220-8975-A-1-B DU		220-26819	220-26801	05/02/2009 11:53	1	TAL CT	BC
A:6010B	220-8975-A-1-B DU		220-26819	220-26801	05/04/2009 11:07	1	TAL CT	NP
A:Moisture	220-8975-A-1 DU		220-26814		05/04/2009 10:16	1	TAL CT	JFV

Lab ID: 220-8975-2 **Client ID:** LB-27-S-5.5

Sample Date/Time: 05/01/2009 10:45 Received Date/Time: 05/01/2009 17:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	220-8975-A-2-A		220-26819	220-26801	05/02/2009 11:53	1	TAL CT	BC
A:6010B	220-8975-A-2-A		220-26819	220-26801	05/04/2009 11:18	1	TAL CT	NP
A:Moisture	220-8975-A-2		220-26814		05/04/2009 10:16	1	TAL CT	JFV

Lab ID: 220-8975-3 **Client ID:** LB-27-E-5.5

Sample Date/Time: 05/01/2009 10:45 Received Date/Time: 05/01/2009 17:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	220-8975-A-3-A		220-26819	220-26801	05/02/2009 11:53	1	TAL CT	BC
A:6010B	220-8975-A-3-A		220-26819	220-26801	05/04/2009 11:24	1	TAL CT	NP
A:Moisture	220-8975-A-3		220-26814		05/04/2009 10:16	1	TAL CT	JFV

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
SDG: 220-8975

Laboratory Chronicle

Lab ID: 220-8975-4 **Client ID:** LB-27-W-5.5

Sample Date/Time: 05/01/2009 10:45 Received Date/Time: 05/01/2009 17:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	220-8975-A-4-A		220-26819	220-26801	05/02/2009 11:53	1	TAL CT	BC
A:6010B	220-8975-A-4-A		220-26819	220-26801	05/04/2009 11:30	1	TAL CT	NP
A:Moisture	220-8975-A-4		220-26814		05/04/2009 10:16	1	TAL CT	JFV

Lab ID: 220-8975-5 **Client ID:** LB-27-B-6.0

Sample Date/Time: 05/01/2009 10:45 Received Date/Time: 05/01/2009 17:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	220-8975-A-5-A		220-26819	220-26801	05/02/2009 11:53	1	TAL CT	BC
A:6010B	220-8975-A-5-A		220-26819	220-26801	05/04/2009 11:36	1	TAL CT	NP
A:Moisture	220-8975-A-5		220-26814		05/04/2009 10:16	1	TAL CT	JFV

Lab ID: 220-8975-6 **Client ID:** DUP-SWALL

Sample Date/Time: 05/01/2009 10:45 Received Date/Time: 05/01/2009 17:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	220-8975-A-6-A		220-26819	220-26801	05/02/2009 11:53	1	TAL CT	BC
A:6010B	220-8975-A-6-A		220-26819	220-26801	05/04/2009 11:41	1	TAL CT	NP
A:Moisture	220-8975-A-6		220-26814		05/04/2009 10:16	1	TAL CT	JFV

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	MB 220-26801/1-A		220-26819	220-26801	05/02/2009 11:53	1	TAL CT	BC
A:6010B	MB 220-26801/1-A		220-26819	220-26801	05/04/2009 10:50	1	TAL CT	NP

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCS 220-26801/2-A		220-26819	220-26801	05/02/2009 11:53	1	TAL CT	BC
A:6010B	LCS 220-26801/2-A		220-26819	220-26801	05/04/2009 10:55	1	TAL CT	NP

Lab References:
TAL CT = TestAmerica Connecticut

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Connecticut Job Number: 220-8975-1

SDG No.: 220-8975

Project: 45 River Road, Edgewater, NJ

Client Sample ID	Lab Sample ID
LB-27-N-5.5	220-8975-1
LB-27-S-5.5	220-8975-2
LB-27-E-5.5	220-8975-3
LB-27-W-5.5	220-8975-4
LB-27-B-6.0	220-8975-5
DUP-SWALL	220-8975-6

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LB-27-N-5.5

Lab Sample ID: 220-8975-1

Lab Name: TestAmerica Connecticut

Job No.: 220-8975-1

SDG ID.: 220-8975

Matrix: Solid

Date Sampled: 05/01/2009 10:45

Reporting Basis: DRY

Date Received: 05/01/2009 17:30

% Solids: 74.9

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2520	6.9	2.2	mg/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LB-27-S-5.5

Lab Sample ID: 220-8975-2

Lab Name: TestAmerica Connecticut

Job No.: 220-8975-1

SDG ID.: 220-8975

Matrix: Solid

Date Sampled: 05/01/2009 10:45

Reporting Basis: DRY

Date Received: 05/01/2009 17:30

% Solids: 81.4

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	292	6.4	2.1	mg/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LB-27-E-5.5

Lab Sample ID: 220-8975-3

Lab Name: TestAmerica Connecticut

Job No.: 220-8975-1

SDG ID.: 220-8975

Matrix: Solid

Date Sampled: 05/01/2009 10:45

Reporting Basis: DRY

Date Received: 05/01/2009 17:30

% Solids: 75.7

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1720	6.7	2.2	mg/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LB-27-W-5.5

Lab Sample ID: 220-8975-4

Lab Name: TestAmerica Connecticut

Job No.: 220-8975-1

SDG ID.: 220-8975

Matrix: Solid

Date Sampled: 05/01/2009 10:45

Reporting Basis: DRY

Date Received: 05/01/2009 17:30

% Solids: 77.0

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	770	6.7	2.1	mg/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: LB-27-B-6.0
Lab Sample ID: 220-8975-5
Lab Name: TestAmerica Connecticut
Job No.: 220-8975-1
SDG ID.: 220-8975
Matrix: Solid
Date Sampled: 05/01/2009 10:45
Reporting Basis: DRY
Date Received: 05/01/2009 17:30
% Solids: 78.0

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1280	6.7	2.2	mg/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DUP-SWALL

Lab Sample ID: 220-8975-6

Lab Name: TestAmerica Connecticut

Job No.: 220-8975-1

SDG ID.: 220-8975

Matrix: Solid

Date Sampled: 05/01/2009 10:45

Reporting Basis: DRY

Date Received: 05/01/2009 17:30

% Solids: 81.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	375	6.2	2.0	mg/Kg			1	6010B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-8975-1

SDG No.: 220-8975

Concentration Units: ug/L Lab File ID: W050409

ICV Source: micvp_00043 CCV Source: mccvp_00045

Analyte	ICV 220-26819/3 05/04/2009 10:08				CCV 220-26819/8 05/04/2009 10:37				CCV2 220-26819/20 05/04/2009 11:53			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
As	1000		1000	104	510		500	103	500		500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-8975-1

SDG No.: 220-8975

Concentration Units: ug/L Lab File ID: W050409

ICV Source: micvp_00043 CCV Source: mccvp_00045

Analyte	CCV3 220-26819/32 05/04/2009 13:02											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
As	510		500	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-8975-1

SDG No.: 220-8975

Analysis Method: 6010B Instrument ID: ICAP2

Lab Sample ID: CRI 220-26819/5 Concentration Units: ug/L

CRQL Check Standard Source: mcri_00030

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	15	J	74	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-8975-1

SDG No.: 220-8975

Concentration Units: ug/L Lab File ID: W050409

Analyte	RL	ICB 220-26819/4 05/04/2009 10:14		CCB 220-26819/9 05/04/2009 10:44		CCB2 220-26819/21 05/04/2009 11:59		CCB3 220-26819/33 05/04/2009 13:08	
		Found	C	Found	C	Found	C	Found	C
As	30	30	U	30	U	30	U	30	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-8975-1

SDG No.: 220-8975

Concentration Units: mg/Kg Lab Sample ID: MB 220-26801/1-A

Instrument Code: ICAP2 Batch No.: 26819

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	5.2	U		6010B

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-8975-1

SDG No.: 220-8975

Lab Sample ID: ICSA 220-26819/6 Instrument ID: ICAP2

Lab File ID: W050409 ICS Source: micsa_00028

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
As		**0.0068**	
Ag		-0.740	
Al	500000	431911	86
Ba		1.10	
Be		0.0849	
Ca	500000	419592	84
Cd		-0.518	
Co		-3.37	
Cr		0.938	
Cu		0.774	
Fe	200000	177705	89
K		24.7	
Mg	500000	450310	90
Mn		9.37	
Mo		-1.96	
Na		85.2	
Ni		-0.0750	
Pb		0.321	
Sb		1.24	
Se		0.460	
Si		231	
Sn		0.910	
Sr		1.26	
Ti		-4.46	
Tl		1.63	
V		1.70	
Zn		-12.3	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-8975-1

SDG No.: 220-8975

Lab Sample ID: ICSAB 220-26819/7 Instrument ID: ICAP2

Lab File ID: W050409 ICS Source: micsabT_00001

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
As	**100**	**89.7**	**90**
Ag	*200*	*208*	*104*
Al	*500000*	*426852*	*85*
Ba	*500*	*475*	*95*
Be	*500*	*449*	*90*
Ca	*500000*	*409982*	*82*
Cd	*1000*	*893*	*89*
Co	*500*	*437*	*87*
Cr	*500*	*450*	*90*
Cu	*500*	*530*	*106*
Fe	*200000*	*174787*	*87*
Mg	*500000*	*444830*	*89*
Mn	*500*	*462*	*92*
Ni	*1000*	*894*	*89*
Pb	*50.0*	*46.1*	*92*
Sb	*600*	*554*	*92*
Se	*50.0*	*47.2*	*94*
Tl	*100*	*77.3*	*77*
V	*500*	*452*	*90*
Zn	*1000*	*885*	*89*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: LB-27-N-5.5 MS

Lab ID: 220-8975-1 MS

Lab Name: TestAmerica Connecticut

Job No.: 220-8975-1

SDG No.: 220-8975

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 74.9

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	2275		2520		2.61	-9440	75-125	4	6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

6-IN
DUPLICATES
METALS

Client ID: LB-27-N-5.5 DU

Lab ID: 220-8975-1 DU

Lab Name: TestAmerica Connecticut

Job No.: 220-8975-1

SDG No.: 220-8975

% Solids for Sample: 74.9

% Solids for Duplicate: 74.9

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	6.8	2520		1995		23	*	6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 220-26801/2-A

Lab Name: TestAmerica Connecticut Job No.: 220-8975-1

Sample Matrix: Solid LCS Source: MLCS3_00003

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	250	259.3		104	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 220-8975-6

SDG No: 220-8975

Lab Name: TestAmerica Connecticut Job No: 220-8975-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	375		376		0.27		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Connecticut
Job Number: 220-8975-1
SDG Number: 220-8975
Matrix: Solid
Instrument ID: ICAP2
Analysis Method: 6010B
MDL Date: 03/15/2009 17:34
Prep Method: 3050B
Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Arsenic	188.98	4.2	1.35

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Connecticut Job Number: 220-8975-1

SDG No.: 220-8975

ICP-AES Instrument ID: ICAP2 Date: 01/15/2009

Analyte	Wave Length	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	308.20														
Antimony	206.83										-0.00223		0.00005		
Arsenic	189.00			0.00005							-0.00223				
Barium	493.40														
Beryllium	313.00														
Boron	249.67									0.00077	0.00033		0.000096		
Cadmium	226.50	0.000008			0.000027					0			0.000126		
Calcium	317.93														
Chromium	267.70				-0.000054				-0.000122						
Cobalt	228.61		-0.000028		0.000066				-0.00061		0.00035			0.000001	
Copper	324.75		0.000021								0.00035				
Iron	271.44									0.0656	0.00331				
Lead	220.35	0.00023		0.000078						-0.000021			0.000034	0.000006	0.000009
Magnesium	279.07												0.000034		
Manganese	257.61														
Molybdenum	202.03														
Nickel	231.60		0.000029							-0.00246			0.00001		
Potassium	766.49														
Selenium	196.02				0.000042	0.000021					-0.000065		-0.00005		
Silicon	228.15										-0.0086				
Silver	328 06			0.000008											
Sodium	588.90														
Strontium	421.55							0.000021							
Thallium	190.80	0.000018								-0.00196	0.000931		-0.000088		
Tin	189.98												-0.00002		
Titanium	334.94	0.000001						-0.000005			0.00013		-0.000088		0.000013
Vanadium	292.40												0.000014		
Zinc	213.85										-0.001		0.000123		

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Connecticut Job Number: 220-8975-1

SDG No.: 220-8975

ICP-AES Instrument ID: ICAP2 Date: 01/15/2009

Analyte	Wave Length	Mn	Mo	Na	Ni	Pb	Sb	Se	Sn	Ti	Tl	V	Zn	Zr	
Aluminum	308.20		0.00151									0.0187			
Antimony	206.83		0.000156		-0.000041				-0.0012	-0.0032		-0.0009			
Arsenic	189.00	-0.0001	-0.0001												
Barium	493.40														
Beryllium	313.00									-0.00023		0.0001			
Boron	249.67				0.00042										
Cadmium	226.50														
Calcium	317.93									-0.000081					
Chromium	267.70	0.00034								0.00005		-0.00024			
Cobalt	228.61	-0.0023	-0.0023		0.0001					0.0029					
Copper	324.75	0.000383	0.000383									-0.0001			
Iron	271.44	0.000915	0.000915									0.00839			
Lead	220.35	0.000071	-0.00109		0.00039					0.000266					
Magnesium	279.07	-0.0064													
Manganese	257.61											-0.00009			
Molybdenum	202.03														
Nickel	231.60	-0.000044		0.000002											
Potassium	766.49														
Selenium	196.02	0.000227	0.000096		-0.00016										
Silicon	228.15		-0.00108						0.0047	0.00677					
Silver	328.06	-0.000119	-0.00012									0.00005			
Sodium	588.90											0.00005			
Strontium	421.55														
Thallium	190.80	-0.00066								0.000645		-0.00189			
Tin	189.98									-0.00118					
Titanium	334.94														
Vanadium	292.40		-0.010516							0.000165					
Zinc	213.85	0.000092	0.000346		-0.00021										

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Connecticut Job No: 220-8975-1

SDG No.: 220-8975

Instrument ID: ICAP2 Date: 01/30/2008 10:51

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		10000	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-8975-1

SDG No.: 220-8975

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 220-26801/1-A	05/02/2009 11:53	26801	2.00		250
LCS 220-26801/2-A	05/02/2009 11:53	26801	1.00		250
220-8975-1	05/02/2009 11:53	26801	2.04		250
220-8975-1 DU	05/02/2009 11:53	26801	2.07		250
220-8975-1 MS	05/02/2009 11:53	26801	2.05		250
220-8975-2	05/02/2009 11:53	26801	2.01		250
220-8975-3	05/02/2009 11:53	26801	2.06		250
220-8975-4	05/02/2009 11:53	26801	2.04		250
220-8975-5	05/02/2009 11:53	26801	2.00		250
220-8975-6	05/02/2009 11:53	26801	2.08		250

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-8975-1

SDG No.: 220-8975

Instrument ID: ICAP2 Method: 6010B

Start Date: 05/04/2009 09:56 End Date: 05/04/2009 18:41

Lab Sample ID	D/F	Type	Time	Analytes																			
				As																			
STD1 220-26819/1 IC			09:56	X																			
STD2 220-26819/2 IC			10:02	X																			
ICV 220-26819/3	1		10:08	X																			
ICB 220-26819/4	1		10:14	X																			
CRI 220-26819/5	1		10:19	X																			
ICSA 220-26819/6	1		10:25	X																			
ICSAB 220-26819/7	1		10:31	X																			
CCV 220-26819/8	1		10:37	X																			
CCB 220-26819/9	1		10:44	X																			
MB 220-26801/1-A	1	T	10:50	X																			
LCS 220-26801/2-A	1	T	10:55	X																			
220-8975-1	1	T	11:01	X																			
220-8975-1 DU	1	T	11:07	X																			
220-8975-1 MS	1	T	11:13	X																			
220-8975-2	1	T	11:18	X																			
220-8975-3	1	T	11:24	X																			
220-8975-4	1	T	11:30	X																			
220-8975-5	1	T	11:36	X																			
220-8975-6	1	T	11:41	X																			
CCV2 220-26819/20	1		11:53	X																			
CCB2 220-26819/21	1		11:59	X																			
220-8975-6 SD	5	T	12:05	X																			
ZZZZZZ			12:11																				
ZZZZZZ			12:16																				
ZZZZZZ			12:22																				
ZZZZZZ			12:28																				
ZZZZZZ			12:34																				
ZZZZZZ			12:39																				
ZZZZZZ			12:45																				
ZZZZZZ			12:51																				
ZZZZZZ			12:57																				
CCV3 220-26819/32	1		13:02	X																			
CCB3 220-26819/33	1		13:08	X																			
ZZZZZZ			13:14																				
ZZZZZZ			13:20																				
ZZZZZZ			13:25																				
ZZZZZZ			13:31																				
ZZZZZZ			13:49																				
ZZZZZZ			13:55																				
ZZZZZZ			14:01																				
ZZZZZZ			14:07																				
ZZZZZZ			14:12																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-8975-1

SDG No.: 220-8975

Instrument ID: ICAP2 Method: 6010B

Start Date: 05/04/2009 09:56 End Date: 05/04/2009 18:41

Lab Sample ID	D/F	Type	Time	Analytes																				
				As																				
ZZZZZZ			14:18																					
CCV4 220-26819/44			14:24																					
CCB4 220-26819/45			14:30																					
ZZZZZZ			14:35																					
ZZZZZZ			14:41																					
ZZZZZZ			14:47																					
ZZZZZZ			14:53																					
ZZZZZZ			14:58																					
ZZZZZZ			15:04																					
ZZZZZZ			15:10																					
ZZZZZZ			15:16																					
ZZZZZZ			15:21																					
ZZZZZZ			15:27																					
CCV5 220-26819/56			15:33																					
CCB5 220-26819/57			15:39																					
ZZZZZZ			15:45																					
ZZZZZZ			15:50																					
ZZZZZZ			15:56																					
ZZZZZZ			16:02																					
ZZZZZZ			16:11																					
ZZZZZZ			16:17																					
ZZZZZZ			16:22																					
ZZZZZZ			16:28																					
ZZZZZZ			16:34																					
ZZZZZZ			16:40																					
CCV6 220-26819/68			16:46																					
CCB6 220-26819/69			16:51																					
ZZZZZZ			16:57																					
ZZZZZZ			17:03																					
ZZZZZZ			17:09																					
ZZZZZZ			17:14																					
ZZZZZZ			17:21																					
ZZZZZZ			17:26																					
ZZZZZZ			17:32																					
ZZZZZZ			17:38																					
ZZZZZZ			17:44																					
ZZZZZZ			17:49																					
CCV 220-26819/80			17:55																					
CCB 220-26819/81			18:01																					
ZZZZZZ			18:07																					
ZZZZZZ			18:12																					
ZZZZZZ			18:18																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Connecticut Job No.: 220-8975-1

SDG No.: 220-8975

Instrument ID: ICAP2 Method: 6010B

Start Date: 05/04/2009 09:56 End Date: 05/04/2009 18:41

Lab Sample ID	D / F	Type	Time	Analytes																			
				As																			
ZZZZZZ			18:24																				
ZZZZZZ			18:30																				
CCV 220-26819/87			18:35																				
CCB 220-26819/88			18:41																				

Prep Types

D = Dissolved

E = SPLP East

T = Total/NA

MISCELLANEOUS DOCUMENTS

8975

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice): DAVID WINSLOW
Company: GZA GEOENVIRONMENTAL
Address: 440 NINTH AVE 18TH FLOOR
City: NY State: NY
Phone: 10001 Fax:

Samplers Name (Printed): ANNA MAZZARIELLO
P.O. #: AM [redacted]

Site/Project Identification: EDGEWATER NJ
State (Location of site): NJ: X NY: ☐ Other:
Regulatory Program:

Analysis Turnaround Time
Standard ☐
Rush Chrages Authorized For:
2 Week ☐
1 Week ☐
Other ☑ BY MON (5/4/09) AM

LAB USE ONLY
Project No:
Job No:

Sample Identification		Date	Time	Matrix	No. of Cont.	ARSENIC	Sample Numbers
LB-27-N-5.5	1	5/1/09	1045	SOIL		X	
LB-27-S-5.5	2	↓	↓	↓		X	
LB-27-E-9.5	3					X	
LB-27-W-5.5	4					X	
LB-27-B-6.0	5					X	
DUP-SWALL	6	✓	✓	✓		X	
							PASSED RAD SCREEN
QA/QC BY 9 AM BY 5/4/09 PLEASE							

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____
Soil:
Water:

Special Instructions: Samples run over weekend, results ASAP PLEASE! THANK YOU ← BY 9:00 AM MON.
Water Metals Filtered (Yes/No)?

Relinquished by	Company	Date / Time	Received by	Company
[signature]	GZA	5/1/09 14:15	1) Richard Ford	TA
Relinquished by 2)	Company	Date / Time	Received by 2) [signature] 5-1-09	Company 5-30
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company 4.0°C

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

05/08/2009

220-8975
EZA

TestAmerica - Connecticut
Internal Chain-of-Custody

Due MONDAY

Trip Blank:

QC: Air:

FB:

Soil: 1-6 Water:

Date Received: 5-1-09

Sample #s: 1-6

Locations: B1

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1-6	MT	BC	4-2	1130	MTL	BC	MT	4-2	1500
1-6	MT	JV	5/4/09	1015	MTL	JV	MT	5/4/09	1035

TestAmerica Form# SMF00508.CT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA CONNECTICUT - CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number: 8975 **Sample Numbers:** 1-6

Prep Batch Number: 26801

WATER - (SOIL) - SLUDGE - TCLP/SPLP

I confirm that I have performed the preparation below following SOP guidelines and authorize the transfer of these digestates to the metals instrument lab.:

Sample Prep:

Bill Capece — Analysts — 5-3-9 — Date(s) — **ICP**

_____ — Analysts — _____ — Date(s) — **Mercury**

I confirm that I have performed the analysis below following SOP guidelines:

Analysis:

_____ — Analysts — 5/5/09 — Date(s) — **ICP**

_____ — Chemist — _____ — Date(s) — **Mercury**

I have reviewed and authorized the release of the job:

Complete: _____ — Supervisor — 5/5/09 — Date

QAF02602.CT

Login Sample Receipt Check List

Client: GZA GeoEnvironmental, Inc.

Job Number: 220-8975-1
SDG Number: 220-8975

Login Number: 8975
Creator: Teixeira, Maria L
List Number: 1

List Source: TestAmerica Connecticut

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L0905595
Client:	GZA GeoEnvironmental, Inc. 440 9TH AVENUE New York, NY 10001
ATTN:	David Winslow
Project Name:	EDGEWATER NJ IPARK
Project Number:	Not Specified
Report Date:	05/05/09

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

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

Project Name: EDGEWATER NJ IPARK
Project Number: Not Specified

Lab Number: L0905595
Report Date: 05/05/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0905595-01	LB27-NEP-5.5	EDGEWATER NJ IPARK	05/04/09 13:50
L0905595-02	LB27-EEP-5.5	EDGEWATER NJ IPARK	05/04/09 13:50
L0905595-03	LB27-WEP-5.5	EDGEWATER NJ IPARK	05/04/09 13:50
L0905595-04	LB27-BEP-9.5	EDGEWATER NJ IPARK	05/04/09 13:50

Project Name: EDGEWATER NJ IPARK
Project Number: Not Specified

Lab Number: L0905595
Report Date: 05/05/09

Case Narrative

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

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

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

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

Arsenic, Total

The WG361164-4 MS recovery (0%), associated with L0905595-01, is invalid because the sample concentration is greater than four times the spike amount added.

The WG361164-6 post-digestion spike recovery is invalid because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature: Rick L. Westerman

Title: Technical Director/Representative

Date: 05/05/09

METALS

Project Name:	EDGEWATER NJ IPARK	**Lab Number:**	L0905595
Project Number:	Not Specified	**Report Date:**	05/05/09

SAMPLE RESULTS

Lab ID:	L0905595-01	Date Collected:	05/04/09 13:50
Client ID:	LB27-NEP-5.5	Date Received:	05/04/09
Sample Location:	EDGEWATER NJ IPARK	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Arsenic, Total	1600		mg/kg	0.55	1	05/04/09 22:00	05/05/09 09:53	EPA 3050B	1,6010B	MG

Project Name:	EDGEWATER NJ IPARK	**Lab Number:**	L0905595
Project Number:	Not Specified	**Report Date:**	05/05/09

SAMPLE RESULTS

Lab ID:	L0905595-02	Date Collected:	05/04/09 13:50
Client ID:	LB27-EEP-5.5	Date Received:	05/04/09
Sample Location:	EDGEWATER NJ IPARK	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	69%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Arsenic, Total	1200		mg/kg	0.58	1	05/04/09 22:00	05/05/09 10:04	EPA 3050B	1,6010B	MG

Project Name:	EDGEWATER NJ IPARK	**Lab Number:**	L0905595
Project Number:	Not Specified	**Report Date:**	05/05/09

SAMPLE RESULTS

Lab ID:	L0905595-03	Date Collected:	05/04/09 13:50
Client ID:	LB27-WEP-5.5	Date Received:	05/04/09
Sample Location:	EDGEWATER NJ IPARK	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Arsenic, Total	670		mg/kg	0.57	1	05/04/09 22:00	05/05/09 10:07	EPA 3050B	1,6010B	MG

Project Name:	EDGEWATER NJ IPARK	**Lab Number:**	L0905595
Project Number:	Not Specified	**Report Date:**	05/05/09

SAMPLE RESULTS

Lab ID:	L0905595-04	Date Collected:	05/04/09 13:50
Client ID:	LB27-BEP-9.5	Date Received:	05/04/09
Sample Location:	EDGEWATER NJ IPARK	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	66%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Arsenic, Total	500		mg/kg	0.62	1	05/04/09 22:00	05/05/09 10:10	EPA 3050B	1,6010B	MG

Project Name: EDGEWATER NJ IPARK
Project Number: Not Specified

Lab Number: L0905595
Report Date: 05/05/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG361164-1									
Arsenic, Total	ND		mg/kg	0.40	1	05/04/09 22:00	05/05/09 09:45	1,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: EDGEWATER NJ IPARK
Project Number: Not Specified

Lab Number: L0905595
Report Date: 05/05/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG361164-2					
Arsenic, Total	101	-	75-125	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: EDGEWATER NJ IPARK
Project Number: Not Specified

Lab Number: L0905595
Report Date: 05/05/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG361164-4 QC Sample: L0905595-01 Client ID: LB27-NEP-5.5									
Arsenic, Total	1600	6.67	1600	0	-	-	75-125	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: EDGEWATER NJ IPARK
Project Number: Not Specified

Lab Number: L0905595
Report Date: 05/05/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG361164-3 QC Sample: L0905595-01 Client ID: LB27-NEP-5.5					
Arsenic, Total	1600	1600	mg/kg	0	35

INORGANICS
&
MISCELLANEOUS

Project Name: EDGEWATER NJ IPARK
Project Number: Not Specified

Lab Number: L0905595
Report Date: 05/05/09

SAMPLE RESULTS

Lab ID: L0905595-01
Client ID: LB27-NEP-5.5
Sample Location: EDGEWATER NJ IPARK
Matrix: Soil

Date Collected: 05/04/09 13:50
Date Received: 05/04/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	74		%	0.10	1	-	05/04/09 22:53	30,2540G	TL

Project Name: EDGEWATER NJ IPARK
Project Number: Not Specified

Lab Number: L0905595
Report Date: 05/05/09

SAMPLE RESULTS

Lab ID: L0905595-02
Client ID: LB27-EEP-5.5
Sample Location: EDGEWATER NJ IPARK
Matrix: Soil

Date Collected: 05/04/09 13:50
Date Received: 05/04/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	69		%	0.10	1	-	05/04/09 22:53	30,2540G	TL

Project Name: EDGEWATER NJ IPARK
Project Number: Not Specified

Lab Number: L0905595
Report Date: 05/05/09

SAMPLE RESULTS

Lab ID: L0905595-03
Client ID: LB27-WEP-5.5
Sample Location: EDGEWATER NJ IPARK
Matrix: Soil

Date Collected: 05/04/09 13:50
Date Received: 05/04/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	72		%	0.10	1	-	05/04/09 22:53	30,2540G	TL

Project Name: EDGEWATER NJ IPARK
Project Number: Not Specified

Lab Number: L0905595
Report Date: 05/05/09

SAMPLE RESULTS

Lab ID: L0905595-04
Client ID: LB27-BEP-9.5
Sample Location: EDGEWATER NJ IPARK
Matrix: Soil

Date Collected: 05/04/09 13:50
Date Received: 05/04/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	66		%	0.10	1	-	05/04/09 22:53	30,2540G	TL

Lab Duplicate Analysis
Batch Quality Control

Project Name: EDGEWATER NJ IPARK
Project Number: Not Specified

Lab Number: L0905595
Report Date: 05/05/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG361166-1 QC Sample: L0905510-01 Client ID: DUP Sample					
Solids, Total	80	81	%	1	20

Project Name: EDGEWATER NJ IPARK
Project Number: Not Specified

Lab Number: L0905595
Report Date: 05/05/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0905595-01A	Other container unpreserved	A	N/A	4.6	Y	Absent	AS-TI(180),TS(7)
L0905595-02A	Other container unpreserved	A	N/A	4.6	Y	Absent	AS-TI(180),TS(7)
L0905595-03A	Other container unpreserved	A	N/A	4.6	Y	Absent	AS-TI(180),TS(7)
L0905595-04A	Other container unpreserved	A	N/A	4.6	Y	Absent	AS-TI(180),TS(7)

*Hold days indicated by values in parentheses

Project Name: EDGEWATER NJ IPARK **Lab Number:** L0905595
Project Number: Not Specified **Report Date:** 05/05/09

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

ND - Not detected at the reported detection limit for the sample.

NI - Not Ignitable.

RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

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

Data Qualifiers

* - The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

N - The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)

P - The RPD between the results for the two columns exceeds the method-specified criteria.

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

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

Project Name: EDGEWATER NJ IPARK **Lab Number:** L0905595
Project Number: Not Specified **Report Date:** 05/05/09

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised February 18, 2009 - Westboro Facility

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

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: MA0086.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 3540C, 3545, 3550B, 3580A, 5035L, 5035H.)

New York Department of Health Certificate/Lab ID: 11148.
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, SM2540B, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. Registered Laboratory.

05050911:56

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ALPHA Job #: L0905595

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): DAVID WINSLOW	Samplers Name (Printed): ANNA MAZZARIELLO	Site/Project Identification: Edgewater NJ iPark
Company: GZA	P. O. #: 161318	State (Location of site): NJ: [X] NY: [ ] Other:
		Regulatory Program:
Address: 440 NINTH AVE 8th FLOOR	Analysis Turnaround Time: Standard [ ]	
City: NY State: NY	Rush Charges Authorized For: 2 Week [ ] 1 Week [ ] Other [X] 1 DAY	
Phone: 212.594.8140 Fax: 212.279.8180		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No:

Sample Identification	Date	Time	Matrix	No. of Cont.	ARSENIC	Sample Numbers
LB27-NEP-5.5	5/4/09	1350	SOIL		X	
LB27-EEP-5.5	↓	↓	↓		X	
LB27-WEP-5.5	↓	↓	↓		X	
LB27-BEP-9.5	↓	↓	↓		X	

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil:
Water:

Special Instructions: PLEASE HAVE RESULTS 24hr TURNAROUND (5/5/09)

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) [signature]	GZA	5/4/09 1630	1) [signature]	
2) [signature]		5/4/09 17:50	2) [signature]	Alpha
3) [signature]	Alpha	5/4/09 19:00	3) [signature]	Alpha
4) [signature]	Alpha	5/4/09 21:35	4) [signature]	Alpha

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

ALPHA TICAL

ANALYTICAL REPORT

Lab Number:	L0905821
Client:	GZA GeoEnvironmental, Inc. 440 9TH AVENUE New York, NY 10001
ATTN:	David Winslow
Project Name:	45 RIVER RD.
Project Number:	41-0161318.04
Report Date:	05/08/09

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

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

Project Name: 45 RIVER RD.
Project Number: 41-0161318.04

Lab Number: L0905821
Report Date: 05/08/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0905821-01	E-LB27-5.5	45 RIVER RD.	05/07/09 10:00
L0905821-02	W-LB27-5.5	45 RIVER RD.	05/07/09 10:55
L0905821-03	N-LB27-5.5	45 RIVER RD.	05/07/09 08:40
L0905821-04	W-LB27-5.5 DUP	45 RIVER RD.	05/07/09 10:55

Project Name: 45 RIVER RD.
Project Number: 41-0161318.04

Lab Number: L0905821
Report Date: 05/08/09

Case Narrative

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

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

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

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

Arsenic, Total

The WG361715-4 MS recovery (1120%) associated with L0905821-02 is invalid because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature: Kim L. Weston

Title: Technical Director/Representative

Date: 05/08/09

METALS

Project Name:	45 RIVER RD.	**Lab Number:**	L0905821
Project Number:	41-0161318.04	**Report Date:**	05/08/09

SAMPLE RESULTS

Lab ID:	L0905821-01	Date Collected:	05/07/09 10:00
Client ID:	E-LB27-5.5	Date Received:	05/07/09
Sample Location:	45 RIVER RD.	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Arsenic, Total	180		mg/kg	0.51	1	05/07/09 21:20	05/08/09 09:15	EPA 3050B	1,6010B	MG

Project Name:	45 RIVER RD.	**Lab Number:**	L0905821
Project Number:	41-0161318.04	**Report Date:**	05/08/09

SAMPLE RESULTS

Lab ID:	L0905821-02	Date Collected:	05/07/09 10:55
Client ID:	W-LB27-5.5	Date Received:	05/07/09
Sample Location:	45 RIVER RD.	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Arsenic, Total	330		mg/kg	0.51	1	05/07/09 21:20	05/08/09 09:21	EPA 3050B	1,6010B	MG

Project Name: 45 RIVER RD.
Project Number: 41-0161318.04

Lab Number: L0905821
Report Date: 05/08/09

SAMPLE RESULTS

Lab ID: L0905821-03
Client ID: N-LB27-5.5
Sample Location: 45 RIVER RD.
Matrix: Soil
Percent Solids: 79%

Date Collected: 05/07/09 08:40
Date Received: 05/07/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Arsenic, Total	520		mg/kg	0.51	1	05/07/09 21:20	05/08/09 09:32	EPA 3050B	1,6010B	MG

Project Name:	45 RIVER RD.	**Lab Number:**	L0905821
Project Number:	41-0161318.04	**Report Date:**	05/08/09

SAMPLE RESULTS

Lab ID:	L0905821-04	Date Collected:	05/07/09 10:55
Client ID:	W-LB27-5.5 DUP	Date Received:	05/07/09
Sample Location:	45 RIVER RD.	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab										
Arsenic, Total	480		mg/kg	0.52	1	05/07/09 21:20	05/08/09 09:35	EPA 3050B	1,6010B	MG

Project Name: 45 RIVER RD.
Project Number: 41-0161318.04

Lab Number: L0905821
Report Date: 05/08/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG361715-1									
Arsenic, Total	ND		mg/kg	0.40	1	05/07/09 21:20	05/08/09 09:10	1,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 45 RIVER RD.
Project Number: 41-0161318.04

Lab Number: L0905821
Report Date: 05/08/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG361715-2					
Arsenic, Total	105	-	75-125	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 45 RIVER RD.
Project Number: 41-0161318.04

Lab Number: L0905821
Report Date: 05/08/09

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG361715-4 QC Sample: L0905821-02 Client ID: W-LB27-5.5									
Arsenic, Total	330	6.22	400	1120	-	-	75-125	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 RIVER RD.
Project Number: 41-0161318.04

Lab Number: L0905821
Report Date: 05/08/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG361715-3 QC Sample: L0905821-02 Client ID: W-LB27-5.5					
Arsenic, Total	330	350	mg/kg	6	35

INORGANICS
&
MISCELLANEOUS

Project Name: 45 RIVER RD.
Project Number: 41-0161318.04

Lab Number: L0905821
Report Date: 05/08/09

SAMPLE RESULTS

Lab ID: L0905821-01
Client ID: E-LB27-5.5
Sample Location: 45 RIVER RD.
Matrix: Soil

Date Collected: 05/07/09 10:00
Date Received: 05/07/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	77		%	0.10	1	-	05/07/09 22:18	30,2540G	TL

Project Name: 45 RIVER RD.
Project Number: 41-0161318.04

Lab Number: L0905821
Report Date: 05/08/09

SAMPLE RESULTS

Lab ID: L0905821-02
Client ID: W-LB27-5.5
Sample Location: 45 RIVER RD.
Matrix: Soil

Date Collected: 05/07/09 10:55
Date Received: 05/07/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	79		%	0.10	1	-	05/07/09 22:18	30,2540G	TL

Project Name: 45 RIVER RD.
Project Number: 41-0161318.04

Lab Number: L0905821
Report Date: 05/08/09

SAMPLE RESULTS

Lab ID: L0905821-03
Client ID: N-LB27-5.5
Sample Location: 45 RIVER RD.
Matrix: Soil

Date Collected: 05/07/09 08:40
Date Received: 05/07/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	79		%	0.10	1	-	05/07/09 22:18	30,2540G	TL

Project Name: 45 RIVER RD.
Project Number: 41-0161318.04

Lab Number: L0905821
Report Date: 05/08/09

SAMPLE RESULTS

Lab ID: L0905821-04
Client ID: W-LB27-5.5 DUP
Sample Location: 45 RIVER RD.
Matrix: Soil

Date Collected: 05/07/09 10:55
Date Received: 05/07/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	79		%	0.10	1	-	05/07/09 22:18	30,2540G	TL

Lab Duplicate Analysis
Batch Quality Control

Project Name: 45 RIVER RD.
Project Number: 41-0161318.04

Lab Number: L0905821
Report Date: 05/08/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG361698-1 QC Sample: L0905596-01 Client ID: DUP Sample					
Solids, Total	87	86	%	1	20

Project Name: 45 RIVER RD.
Project Number: 41-0161318.04

Lab Number: L0905821
Report Date: 05/08/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0905821-01A	Amber 250ml unpreserved	A	N/A	2.3	Y	Absent	AS-TI(180),TS(7)
L0905821-02A	Amber 250ml unpreserved	A	N/A	2.3	Y	Absent	AS-TI(180),TS(7)
L0905821-03A	Amber 250ml unpreserved	A	N/A	2.3	Y	Absent	AS-TI(180),TS(7)
L0905821-04A	Amber 250ml unpreserved	A	N/A	2.3	Y	Absent	AS-TI(180),TS(7)

*Hold days indicated by values in parentheses

Project Name: 45 RIVER RD. **Lab Number:** L0905821
Project Number: 41-0161318.04 **Report Date:** 05/08/09

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

ND - Not detected at the reported detection limit for the sample.

NI - Not Ignitable.

RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

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

Data Qualifiers

* - The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

N - The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)

P - The RPD between the results for the two columns exceeds the method-specified criteria.

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

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

Project Name: 45 RIVER RD.
Project Number: 41-0161318.04

Lab Number: L0905821
Report Date: 05/08/09

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised February 18, 2009 - Westboro Facility

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

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: MA0086.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 3540C, 3545, 3550B, 3580A, 5035L, 5035H.)

New York Department of Health Certificate/Lab ID: 11148.
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, SM2540B, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. Registered Laboratory.

05080912:38

CHAIN OF CUSTODY

PAGE ____ OF ____

Date Rec'd in Lab: 5/7/09 | ALPHA Job #: L0905821

WESTBORO MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: GZA
Address: 440 Ninth Ave
NY, NY 10001
Phone: 212 594-8140
Fax: 212 279 8180
Email: david.winslow@gza.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 45 River Rd
Project Location: 45 River Rd
Project #: 41-0161318.04
Project Manager: Dave Winslow
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)

Date Due: 5/8/09 Time: 12:00

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria NJDEP Reduced

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

NJDEP Reduced Deliverables
SCCs * Note take duplicate from W-LB27

SAMPLE HANDLING

Filtration ____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS AS	Sample Specific Comments	TOTAL # BOTTLES
05821 -01	E-LB27 5.5	5/7/09	10:00	S	DW	X		
-02	W-LB27-5.5	↓	10:55	S	DW	X		
-03	N-LB27-5.5	↓	8:40	S	DB	X		
-04	W-LB27 5.5 Dup	↓	10:55	S	DW	X		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type	G
Preservative	I

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/7/09 1:20	[signature]	5/7/09 13:20
[signature]	5/7/09	[signature]	5/7/09 16:20
[signature]	5/7/09 20:30	[signature]	5/7/09 20:30

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

FORM NO: 01-01 (rev. 14-OCT-07)

APPENDIX B

LABORATORY ANALYTICAL DATA PACKAGES FOR CHURCH HILL ESTATES

CHR PARTNERS, LLC
8719 Churchill Road
North Bergen, NJ 07047
T 1.201.945.1972
F 1.201.945.1973

December 06, 2007

Re: Churchill Estates
8701-8723 Churchill Road
North Bergen, NJ 07047
"Site Work Scope of Work"

To whom it may concern:

Please be advised that the area currently being excavated for the Hi-Rise structure consists of pure virgin soil which had no prior structures on the site.

Should you need any additional information relative to this project please advise the undersigned at your convenience.

Very Truly Yours,

Vincent H. Salvatoriello
Project Director
JH Mack, LLC

cc: File

New Jersey ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

03/06/07

Technical Report for

PMK Group Overpeck Soil Labs

Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ

Accutest Job Number: J54236

Sampling Date: 02/20/07

Report to:

Latz Construction Services
65 Piermont Road
Tenafly, NJ 07670

ATTN: Glen Latz

Total number of pages in report: 533

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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.

Vincent J. Pugliese
President

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

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

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Sample Summary

PMK Group Overpeck Soil Labs

Job No: J54236

Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
J54236-1	02/20/07	13:55 HM	02/20/07	SO	Soil	COMPOSITE OF SOIL PILE
J54236-1A	02/20/07	13:55 HM	02/20/07	SO	Soil	COMPOSITE OF SOIL PILE
J54236-2	02/20/07	13:50 HM	02/20/07	SO	Soil	SOIL PILE BORING "A"
J54236-2A	02/20/07	13:50 HM	02/20/07	SO	Soil	SOIL PILE BORING "A"

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

ACCUTEST Laboratories

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	PMK Group Overpeck Soil Labs	Job No	J54236
Site:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, Nor	Report Date	3/6/2007 12:48:49 PM

2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 02/20/2007 and were received at Accutest on 02/20/2007 properly preserved, at 6 Deg. C and intact. These Samples received an Accutest job number of J54236. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix LEACHATE	Batch ID: GP37760

- Sample(s) J53485-1LS were used as the QC samples indicated.

Matrix SO	Batch ID: VD4930

- All samples were analyzed within the recommended method holding time.
- Sample(s) J54049-1MS, J54049-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Acrolein are outside control limits. Outside control limits due to matrix interference.

Extractables by GCMS By Method SW846 8270C

Matrix LEACHATE	Batch ID: OP26576

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) J53849-4ALS, J54310-1LS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- J54236-1A: Confirmation run.

Matrix SO	Batch ID: OP26584

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) J54238-1MS, J54238-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Benzidine are outside control limits. Outside control limits due to matrix interference.

Extractables by GC By Method SW846 8081A

Matrix LEACHATE	Batch ID: OP26581

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) J53849-3ALS, J54236-1ALS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix SO	Batch ID: OP26495

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J53778-1AMS, J53778-1AMSD, OP26495-MSMSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 4,4'-DDT, Endosulfan sulfate are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 4,4'-DDT are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for Chlordane, Endosulfan sulfate are outside control limits for sample OP26495-MSD. Probable cause due to matrix interference.

Extractables by GC By Method SW846 8082

Matrix SO	Batch ID: OP26562

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) J54167-21MS, J54167-21MSD, OP26562-MSMSD 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 LEACHATE	Batch ID: OP26573

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) J53849-3ALS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Metals By Method SW846 6010B

Matrix LEACHATE	Batch ID: MP38068

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J53605-2MS, J53605-2MSD, J53605-2SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Selenium are outside control limits for sample MP38068-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix SO	Batch ID: MP38157

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J54182-1MS, J54182-1MSD, J54182-1SDL were used as the QC samples for metals.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Recovery(s) for Chromium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Antimony, Copper, Lead are outside control limits for sample MP38157-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix LEACHATE	Batch ID: MP38074

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J53605-2MS, J53605-2MSD were used as the QC samples for metals.
- RPD(s) for MSD for Mercury are outside control limits for sample MP38074-S2. High rpd due to possible sample matrix interference.

Metals By Method SW846 7471A

Matrix SO	Batch ID: MP38171

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J54234-3MS, J54234-3MSD were used as the QC samples for metals.

Wet Chemistry By Method ASTM 4643-00

Matrix SO	Batch ID: GN612

- The data for ASTM 4643-00 meets quality control requirements.

Matrix SO	Batch ID: GN616

- The data for ASTM 4643-00 meets quality control requirements.

Wet Chemistry By Method SW846 9012 M/LACHAT

Matrix SO	Batch ID: GP37921

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J53826-1DUP, J53826-1MS were used as the QC samples for Cyanide.

Wet Chemistry By Method SW846 9066 M/LACHAT

Matrix SO	Batch ID: GP37949

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) J53332-1MS, J53332-1DUP were used as the QC samples for Phenols.
- RPD(s) for Duplicate for Phenols are outside control limits for sample GP37949-D1. RPD acceptable due to low duplicate and sample concentrations.
- J54236-1 for Phenols: Not for compliance or enforcement purposes.

The Accutest Laboratories of New Jersey certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NJ, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(J54236).

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	COMPOSITE OF SOIL PILE		
Lab Sample ID:	J54236-1	Date Sampled:	02/20/07
Matrix:	SO - Soil	Date Received:	02/20/07
Method:	SW846 8270C SW846 3550B	Percent Solids:	89.1
Project:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E5588.D	1	02/23/07	OYA	02/21/07	OP26584	E3E225
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	32	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	47	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	62	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	95	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	740	56	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	740	32	ug/kg	
88-75-5	2-Nitrophenol	ND	190	46	ug/kg	
100-02-7	4-Nitrophenol	ND	740	51	ug/kg	
87-86-5	Pentachlorophenol	ND	740	42	ug/kg	
108-95-2	Phenol	ND	190	46	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	31	ug/kg	
83-32-9	Acenaphthene	ND	74	19	ug/kg	
208-96-8	Acenaphthylene	ND	74	15	ug/kg	
120-12-7	Anthracene	31.2	74	14	ug/kg	J
92-87-5	Benzidine	ND	740	1.7	ug/kg	
56-55-3	Benzo(a)anthracene	118	74	18	ug/kg	
50-32-8	Benzo(a)pyrene	112	74	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	90.1	74	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	76.6	74	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	90.3	74	28	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	19	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	28	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	52	ug/kg	
106-47-8	4-Chloroaniline	ND	190	23	ug/kg	
218-01-9	Chrysene	115	74	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	24	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	19	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	74	28	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	74	16	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	74	25	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	74	20	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:	COMPOSITE OF SOIL PILE		
Lab Sample ID:	J54236-1	Date Sampled:	02/20/07
Matrix:	SO - Soil	Date Received:	02/20/07
Method:	SW846 8270C SW846 3550B	Percent Solids:	89.1
Project:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	74	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	74	43	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	74	42	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	35	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	25.7	74	19	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	74	24	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	74	32	ug/kg	
84-66-2	Diethyl phthalate	ND	74	16	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	74	48	ug/kg	
206-44-0	Fluoranthene	214	74	13	ug/kg	
86-73-7	Fluorene	ND	74	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	21	ug/kg	
87-68-3	Hexachlorobutadiene	ND	74	24	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	740	27	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	67.6	74	24	ug/kg	J
78-59-1	Isophorone	ND	74	18	ug/kg	
91-20-3	Naphthalene	ND	74	21	ug/kg	
98-95-3	Nitrobenzene	ND	74	26	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	74	22	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	24	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	15	ug/kg	
85-01-8	Phenanthrene	152	74	16	ug/kg	
129-00-0	Pyrene	236	74	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	74	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		33-105%
4165-62-2	Phenol-d5	54%		34-110%
118-79-6	2,4,6-Tribromophenol	71%		33-124%
4165-60-0	Nitrobenzene-d5	76%		26-113%
321-60-8	2-Fluorobiphenyl	69%		40-106%
1718-51-0	Terphenyl-d14	93%		35-142%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.13	150000	ug/kg	J
	system artifact	3.93	760	ug/kg	J

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:	COMPOSITE OF SOIL PILE		
Lab Sample ID:	J54236-1	Date Sampled:	02/20/07
Matrix:	SO - Soil	Date Received:	02/20/07
Method:	SW846 8270C SW846 3550B	Percent Solids:	89.1
Project:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	7.69	250	ug/kg	J
	alkane	20.05	200	ug/kg	J
	alkane	20.58	200	ug/kg	J
	alkane	21.08	280	ug/kg	J
	alkane	21.55	280	ug/kg	J
	alkane	22.00	260	ug/kg	J
	alkane	22.44	170	ug/kg	J
	alkane	22.85	220	ug/kg	J
	Total TIC, Semi-Volatile		1610	ug/kg	J

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	COMPOSITE OF SOIL PILE		
Lab Sample ID:	J54236-1	Date Sampled:	02/20/07
Matrix:	SO - Soil	Date Received:	02/20/07
Method:	SW846 8081A SW846 3545	Percent Solids:	89.1
Project:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA35429.D	1	02/27/07	TDR	02/21/07	OP26495	GOA1253
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.5	0.33	ug/kg	
319-84-6	alpha-BHC	ND	1.5	0.27	ug/kg	
319-85-7	beta-BHC	ND	1.5	0.32	ug/kg	
319-86-8	delta-BHC	ND	1.5	0.54	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.5	0.30	ug/kg	
12789-03-6	Chlordane	ND	37	9.6	ug/kg	
60-57-1	Dieldrin	ND	1.5	0.37	ug/kg	
72-54-8	4,4'-DDD	ND	1.5	0.36	ug/kg	
72-55-9	4,4'-DDE	ND	1.5	0.37	ug/kg	
50-29-3	4,4'-DDT	ND	1.5	0.45	ug/kg	
72-20-8	Endrin	ND	1.5	0.37	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.5	0.40	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.5	0.35	ug/kg	
959-98-8	Endosulfan-I	ND	1.5	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	1.5	0.39	ug/kg	
76-44-8	Heptachlor	ND	1.5	0.38	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.5	0.41	ug/kg	
72-43-5	Methoxychlor	ND	3.7	0.49	ug/kg	
8001-35-2	Toxaphene	ND	18	7.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		38-130%
877-09-8	Tetrachloro-m-xylene	74%		38-130%
2051-24-3	Decachlorobiphenyl	75%		32-142%
2051-24-3	Decachlorobiphenyl	83%		32-142%

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:	COMPOSITE OF SOIL PILE		
Lab Sample ID:	J54236-1	Date Sampled:	02/20/07
Matrix:	SO - Soil	Date Received:	02/20/07
Method:	SW846 8082 SW846 3545	Percent Solids:	89.1
Project:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G17322.D	1	02/23/07	JSE	02/21/07	OP26562	G2G694
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	7.0	ug/kg	
11104-28-2	Aroclor 1221	ND	37	22	ug/kg	
11141-16-5	Aroclor 1232	ND	37	20	ug/kg	
53469-21-9	Aroclor 1242	ND	37	12	ug/kg	
12672-29-6	Aroclor 1248	ND	37	13	ug/kg	
11097-69-1	Aroclor 1254	ND	37	17	ug/kg	
11096-82-5	Aroclor 1260	ND	37	7.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		37-140%
877-09-8	Tetrachloro-m-xylene	101%		37-140%
2051-24-3	Decachlorobiphenyl	94%		40-151%
2051-24-3	Decachlorobiphenyl	90%		40-151%

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

3.1

Client Sample ID:	COMPOSITE OF SOIL PILE		
Lab Sample ID:	J54236-1	Date Sampled:	02/20/07
Matrix:	SO - Soil	Date Received:	02/20/07
		Percent Solids:	89.1
Project:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 2.2	2.2	mg/kg	1	02/22/07	02/23/07	ND	SW846 6010B [1]	SW846 3050B [3]
Arsenic	6.1	2.2	mg/kg	1	02/22/07	02/23/07	ND	SW846 6010B [1]	SW846 3050B [3]
Beryllium	0.86	0.54	mg/kg	1	02/22/07	02/23/07	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.54	0.54	mg/kg	1	02/22/07	02/23/07	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	58.1	1.1	mg/kg	1	02/22/07	02/23/07	ND	SW846 6010B [1]	SW846 3050B [3]
Copper	56.8	2.7	mg/kg	1	02/22/07	02/23/07	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	72.0	2.2	mg/kg	1	02/22/07	02/23/07	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.036	0.036	mg/kg	1	02/23/07	02/23/07	JW	SW846 7471A [2]	SW846 7471A [4]
Nickel	29.6	4.4	mg/kg	1	02/22/07	02/23/07	ND	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	02/22/07	02/23/07	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	02/22/07	02/23/07	ND	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	02/22/07	02/23/07	ND	SW846 6010B [1]	SW846 3050B [3]
Zinc	146	2.2	mg/kg	1	02/22/07	02/23/07	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA18809
(2) Instrument QC Batch: MA18812
(3) Prep QC Batch: MP38157
(4) Prep QC Batch: MP38171

RL = Reporting Limit

Report of Analysis

Client Sample ID:	COMPOSITE OF SOIL PILE		
Lab Sample ID:	J54236-1	Date Sampled:	02/20/07
Matrix:	SO - Soil	Date Received:	02/20/07
		Percent Solids:	89.1
Project:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.24	0.24	mg/kg	1	02/23/07 11:21	NR	SW846 9012 M/LACHAT
Phenols [a]	< 2.1	2.1	mg/kg	1	02/26/07 16:14	JA	SW846 9066 M/LACHAT
Solids, Percent	89.1		%	1	02/23/07	MC	ASTM 4643-00

(a) Not for compliance or enforcement purposes.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

3.2

Client Sample ID:	COMPOSITE OF SOIL PILE		
Lab Sample ID:	J54236-1A	Date Sampled:	02/20/07
Matrix:	SO - Soil	Date Received:	02/20/07
Method:	SW846 8270C SW846 3510C	Percent Solids:	89.1
Project:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H86048.D	1	02/26/07	KLS	02/23/07	OP26576	EH3647
Run #2 [a]	B81135.D	1	02/28/07	KLS	02/28/07	OP26576	EB2350

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2	100 ml	1.0 ml

ABN TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.050	0.014	mg/l	
	3&4-Methylphenol	ND	D024	200	0.050	0.013	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.20	0.019	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.019	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.013	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0018	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0086	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0054	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.020	0.0018	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0028	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0042	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0064	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%	34%	10-69%
4165-62-2	Phenol-d5	39%	21%	10-52%
118-79-6	2,4,6-Tribromophenol	81%	82%	33-125%
4165-60-0	Nitrobenzene-d5	84%	72%	27-120%
321-60-8	2-Fluorobiphenyl	75%	68%	31-111%
1718-51-0	Terphenyl-d14	93%	84%	31-124%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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:	COMPOSITE OF SOIL PILE		
Lab Sample ID:	J54236-1A	Date Sampled:	02/20/07
Matrix:	SO - Soil	Date Received:	02/20/07
Method:	SW846 8151 SW846 3510C	Percent Solids:	89.1
Project:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF68978.D	1	03/01/07	OPM	02/23/07	OP26573	GEF3232
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

Herbicide TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0050	0.0033	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0015	0.00034	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	98%		54-141%
19719-28-9	2,4-DCAA	106%		54-141%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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

Accutest Laboratories

Report of Analysis

3.2

Client Sample ID:	COMPOSITE OF SOIL PILE		
Lab Sample ID:	J54236-1A	Date Sampled:	02/20/07
Matrix:	SO - Soil	Date Received:	02/20/07
Method:	SW846 8081A SW846 3510C	Percent Solids:	89.1
Project:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA35404.D	1	02/24/07	TDR	02/23/07	OP26581	GOA1252
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

Pesticide TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.00020	0.000026	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0050	0.00092	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.00020	0.00011	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.00020	0.000059	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.00020	0.00011	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00050	0.00012	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0025	0.0025	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		30-128%
877-09-8	Tetrachloro-m-xylene	72%		30-128%
2051-24-3	Decachlorobiphenyl	91%		10-138%
2051-24-3	Decachlorobiphenyl	91%		10-138%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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

Accutest Laboratories

Report of Analysis

Client Sample ID:	COMPOSITE OF SOIL PILE		
Lab Sample ID:	J54236-1A	Date Sampled:	02/20/07
Matrix:	SO - Soil	Date Received:	02/20/07
		Percent Solids:	89.1
Project:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ		

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	02/23/07	02/26/07	WP	SW846 6010B [1]	SW846 3010A [3]
Barium	< 1.0	D005	100	1.0	mg/l	1	02/23/07	02/26/07	WP	SW846 6010B [1]	SW846 3010A [3]
Cadmium	< 0.0050	D006	1.0	0.0050	mg/l	1	02/23/07	02/26/07	WP	SW846 6010B [1]	SW846 3010A [3]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	02/23/07	02/26/07	WP	SW846 6010B [1]	SW846 3010A [3]
Lead	< 0.50	D008	5.0	0.50	mg/l	1	02/23/07	02/26/07	WP	SW846 6010B [1]	SW846 3010A [3]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	02/26/07	02/26/07	JW	SW846 7470A [2]	SW846 7470A [4]
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	02/23/07	02/26/07	WP	SW846 6010B [1]	SW846 3010A [3]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	02/23/07	02/26/07	WP	SW846 6010B [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA18819
(2) Instrument QC Batch: MA18822
(3) Prep QC Batch: MP38068
(4) Prep QC Batch: MP38074

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	SOIL PILE BORING "A"		
Lab Sample ID:	J54236-2	Date Sampled:	02/20/07
Matrix:	SO - Soil	Date Received:	02/20/07
Method:	SW846 8260B SW846 5035	Percent Solids:	88.0
Project:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D123681.D	1	02/21/07	YL	02/21/07 08:00	n/a	VD4930
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.0 g	5.0 ml	100 ul
Run #2			

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	2700	320	ug/kg	
107-13-1	Acrylonitrile	ND	2700	190	ug/kg	
71-43-2	Benzene	ND	54	26	ug/kg	
75-27-4	Bromodichloromethane	ND	270	25	ug/kg	
75-25-2	Bromoform	ND	270	24	ug/kg	
74-83-9	Bromomethane	ND	270	20	ug/kg	
56-23-5	Carbon tetrachloride	ND	270	51	ug/kg	
108-90-7	Chlorobenzene	ND	270	23	ug/kg	
75-00-3	Chloroethane	ND	270	94	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1400	130	ug/kg	
67-66-3	Chloroform	ND	270	32	ug/kg	
74-87-3	Chloromethane	ND	270	25	ug/kg	
124-48-1	Dibromochloromethane	ND	270	30	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	270	25	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	270	26	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	270	25	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	270	43	ug/kg	
75-34-3	1,1-Dichloroethane	ND	270	26	ug/kg	
107-06-2	1,2-Dichloroethane	ND	54	29	ug/kg	
75-35-4	1,1-Dichloroethene	ND	270	37	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	270	36	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	270	37	ug/kg	
78-87-5	1,2-Dichloropropane	ND	270	30	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	270	22	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	270	21	ug/kg	
100-41-4	Ethylbenzene	ND	54	24	ug/kg	
75-09-2	Methylene chloride	ND	270	37	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	270	31	ug/kg	
127-18-4	Tetrachloroethene	ND	270	45	ug/kg	
108-88-3	Toluene	ND	54	29	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	270	32	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	270	29	ug/kg	

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

Report of Analysis

Client Sample ID:	SOIL PILE BORING "A"		
Lab Sample ID:	J54236-2	Date Sampled:	02/20/07
Matrix:	SO - Soil	Date Received:	02/20/07
Method:	SW846 8260B SW846 5035	Percent Solids:	88.0
Project:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	270	28	ug/kg	
75-69-4	Trichlorofluoromethane	ND	270	39	ug/kg	
75-01-4	Vinyl chloride	ND	270	35	ug/kg	
1330-20-7	Xylene (total)	ND	110	27	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-120%
17060-07-0	1,2-Dichloroethane-D4	101%		61-133%
2037-26-5	Toluene-D8	95%		75-123%
460-00-4	4-Bromofluorobenzene	91%		65-142%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	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

Accutest Laboratories

Report of Analysis

Client Sample ID:	SOIL PILE BORING "A"		
Lab Sample ID:	J54236-2A	Date Sampled:	02/20/07
Matrix:	SO - Soil	Date Received:	02/20/07
Method:	SW846 8260B SW846 1311	Percent Solids:	88.0
Project:	Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C36121.D	5	03/01/07	HSS	02/22/07	GP37760	V1C1436
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0050	0.0011	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.050	0.013	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0015	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0011	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.0011	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0012	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0015	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0016	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0014	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0014	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		77-121%
17060-07-0	1,2-Dichloroethane-D4	118%		65-133%
2037-26-5	Toluene-D8	99%		80-117%
460-00-4	4-Bromofluorobenzene	103%		79-124%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
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

4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

N

Accutest Job #: J54236
Accutest Quote #:

Client Information

LATZ Construction Services
Name: 65 Piermont Rd
Address: Tenafly NJ 07670
City: Glen Latz State: Zip:
Send Report to:
Phone #:

Facility Information

Overpeck Soil Labs
Project Name:
Location: 8719 Churchill Rd. North Bergen, NJ
Project No.
PMK #
FAX #:

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	HCL	H2SO4	HNO3	Methan	None	PP + 40 (less Vos)	TCLP Full (less Vos)			V0 + 10	TCLP vo		
-1 Composite of Soil Pile	2/20/07	13:55	HM	So	2					x	X	X					ex	38
																	1902	%29
-2 Soil Pile Boring "A" Δ	2/20/07	13:50	HM	So	3					x					X	X	14H	6M

Turnaround Information

- [ ] 15 Day (Bussiness)
- [ ] 14 Days RUSH
- [ ] 7 Days EMERGENCY
- [X] Other 5 day

Approved By:

21 Day Turnaround Hardcopy, Emergency or RUSH is FAX Data unless previously approved.

Data Deliverable Information

- [X] NJ Reduced
- [ ] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] State Forms

Comments / Remarks

Copy of Report to: PMK Group
Δ Lou/Sampy 65 Jackson Drive
2-20-07 P.O. Box 5000
Cranford, N.J. 07016
att: Mr. Bhuvnesh Parekh

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	02/20/07 17:00	1 [signature]	2		2
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By: 5	Seal #	Preserve where applicable ☐	On Ice ☒ Temperature 6°C

1A

PWD

J54236: Chain of Custody
Page 1 of 1

Internal Sample Tracking Chronicle

PMK Group Overpeck Soil Labs

Job No: J54236

Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
J54236-1	Collected: 20-FEB-07 13:55 By: HM		Received: 20-FEB-07 By: SK			
COMPOSITE OF SOIL PILE						
J54236-1	ASTM 4643-00	23-FEB-07	MC			%SOL
J54236-1	SW846 6010B	23-FEB-07 03:45	ND	22-FEB-07	DM	AG,AS,BE,CD,CR,CU,NI,PB,SB, SE,TL,ZN
J54236-1	SW846 8082	23-FEB-07 04:01	JSE	21-FEB-07	GGP	P8082PCBAO
J54236-1	SW846 9012 M/LACHAT	23-FEB-07 11:21	NR	22-FEB-07	JV	CN
J54236-1	SW846 7471A	23-FEB-07 15:20	JW	23-FEB-07	JW	HG
J54236-1	SW846 8270C	23-FEB-07 16:52	OYA	21-FEB-07	SJG	AB8270PPL+
J54236-1	SW846 9066 M/LACHAT	26-FEB-07 16:14	JA	23-FEB-07	HF	PN
J54236-1	SW846 8081A	27-FEB-07 00:35	TDR	21-FEB-07	SJG	P8081PESTPPL
J54236-2	Collected: 20-FEB-07 13:50 By: HM		Received: 20-FEB-07 By: SK			
SOIL PILE BORING "A"						
J54236-2	SW846 8260B	21-FEB-07 12:58	YL			V8260PPL+10
J54236-2	ASTM 4643-00	23-FEB-07	MC			%SOL
J54236-1A	Collected: 20-FEB-07 13:55 By: HM		Received: 20-FEB-07 By: SK			
COMPOSITE OF SOIL PILE						
J54236-1A	SW846 8081A	24-FEB-07 19:17	TDR	23-FEB-07	CAS	P8081TCLP
J54236-1A	SW846 8270C	26-FEB-07 14:22	KLS	23-FEB-07	CAS	AB8270TCLP
J54236-1A	SW846 7470A	26-FEB-07 16:21	JW	26-FEB-07	JW	EHG
J54236-1A	SW846 6010B	26-FEB-07 18:09	WP	23-FEB-07	TP	EAG,EAS,EBA,ECD,ECR,EPB,ESE
J54236-1A	SW846 8270C	28-FEB-07 16:59	KLS	28-FEB-07	DSZ	AB8270TCLP
J54236-1A	SW846 8151	01-MAR-07 01:13	OPM	23-FEB-07	GGP	H8151TCLP
J54236-2A	Collected: 20-FEB-07 13:50 By: HM		Received: 20-FEB-07 By: SK			
SOIL PILE BORING "A"						
J54236-2A	SW846 8260B	01-MAR-07 19:31	HSS	22-FEB-07	AE	V8260TCLP

Accutest Internal Chain of Custody

Job Number: J54236
Account: PMKOSL PMK Group Overpeck Soil Labs
Project: Overpeck Soil Labs, Latz Construction Serv., 8719 Churchill Rd, North Bergen, NJ
Received: 02/20/07

4.3

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
J54236-1.1	Secured Storage	Todd Shoemaker	02/21/07 08:12	Retrieve from Storage
J54236-1.1	Todd Shoemaker	Dayu Song	02/21/07 08:18	Custody Transfer
J54236-1.1	Dayu Song	Komal Patel	02/21/07 08:32	Custody Transfer
J54236-1.1	Komal Patel	Secured Storage	02/21/07 12:31	Return to Storage
J54236-1.1	Secured Storage	Mandi Chen	02/21/07 16:57	Retrieve from Storage
J54236-1.1	Mandi Chen	Secured Storage	02/21/07 22:21	Return to Storage
J54236-1.1	Secured Storage	Todd Shoemaker	02/22/07 08:03	Retrieve from Storage
J54236-1.1	Todd Shoemaker	Joette Viggiano	02/22/07 08:05	Custody Transfer
J54236-1.1	Joette Viggiano	Adam Ellenberger	02/22/07 11:42	Custody Transfer
J54236-1.1	Adam Ellenberger	Secured Storage	02/22/07 16:05	Return to Storage
J54236-1.1	Secured Storage	Todd Shoemaker	02/23/07 08:12	Retrieve from Storage
J54236-1.1	Todd Shoemaker	Jieyu Wang	02/23/07 08:13	Custody Transfer
J54236-1.1	Jieyu Wang	Hussain Fatakdawala	02/23/07 09:10	Custody Transfer
J54236-1.1	Hussain Fatakdawala	Secured Storage	02/23/07 15:40	Return to Storage
J54236-1.1.1	Komal Patel	Organics Prep	02/21/07 08:32	Extract from J54236-1.1
J54236-1.1.1	Organics Prep	Komal Patel	02/21/07 15:20	Extract from J54236-1.1
J54236-1.1.1	Komal Patel	Extract Storage	02/21/07 15:20	Return to Storage
J54236-1.1.1	Extract Storage	Toya Dagena Raffington	02/26/07 15:09	Retrieve from Storage
J54236-1.1.1	Toya Dagena Raffington	GCOA	02/26/07 15:09	Load on Instrument
J54236-1.1.1	GCOA	Toya Dagena Raffington	02/27/07 15:49	Unload from Instrument
J54236-1.1.1	Toya Dagena Raffington	Extract Freezer	02/27/07 15:50	Return to Storage
J54236-1.1.2	Komal Patel	Organics Prep	02/21/07 08:33	Extract from J54236-1.1
J54236-1.1.2	Organics Prep	Komal Patel	02/21/07 15:20	Extract from J54236-1.1
J54236-1.1.2	Komal Patel	Extract Storage	02/21/07 15:20	Return to Storage
J54236-1.1.2	Extract Storage	Jennifer Elliott	02/22/07 14:29	Retrieve from Storage
J54236-1.1.2	Jennifer Elliott	GC2G	02/22/07 14:29	Load on Instrument
J54236-1.1.2	GC2G	Jennifer Elliott	02/23/07 12:11	Unload from Instrument
J54236-1.1.2	Jennifer Elliott	Extract Freezer	02/23/07 12:11	Return to Storage
J54236-1.1.3	Mandi Chen	Organics Prep	02/21/07 16:58	Extract from J54236-1.1
J54236-1.1.3	Organics Prep	Mandi Chen	02/21/07 22:20	Extract from J54236-1.1
J54236-1.1.3	Mandi Chen	Extract Storage	02/21/07 22:20	Return to Storage
J54236-1.1.3	Extract Storage	Olga Azarihn	02/23/07 11:56	Retrieve from Storage
J54236-1.1.3	Olga Azarihn	GCMS3E	02/23/07 11:56	Load on Instrument
J54236-1.1.3	GCMS3E	Olga Azarihn	02/27/07 11:49	Unload from Instrument
J54236-1.1.3	Olga Azarihn	Extract Freezer	02/27/07 11:49	Return to Storage
J54236-1.1.4	Adam Ellenberger	TCLP	02/22/07 16:05	Leachate from J54236-1.1
J54236-1.1.4	TCLP	Adam Ellenberger	02/23/07 09:23	Leachate from J54236-1.1
J54236-1.1.4	Adam Ellenberger	Secured Storage	02/23/07 10:06	Return to Storage
J54236-1.1.4	Secured Storage	Tatiana Pidgainy	02/23/07 14:20	Retrieve from Storage
J54236-1.1.4	Tatiana Pidgainy	Secured Storage	02/23/07 14:23	Return to Storage

Summary of Analytical Results
Churchill Estate
8719 Churchill Road
North Bergen, New Jersey

Sample Field ID: Lab ID: Sampling Date: Unit:	W-1 6070192-01 7/7/06 ppm	RDC SCC ppm	NRD SCC ppm	IGW SCC ppm
Cyanide:	ND	1100	21,000	+
Priority Pollutant Metals:				
Arsenic	4.8	20	20	+
Beryllium	0.83	2	2	+
Cadmium	0.38	39	100	+
Chromium	28	120,000*	-	+
Copper	31	600	600	+
Lead	49	400	600	+
Nickel	17	250	2400	+
Silver	0.96	110	4100	+
Thallium	0.11	2	2	+
Zinc	86	1500	1500	+
Organochlorine Pesticides:	ND	-	-	
PCBs:	ND	0.49	2.0	50
Volatile Organics:	ND	-	-	-
VO TICs:	ND	-	-	-
Base Neutrals:				
Benz (a) anthracene	0.110	0.9	4	500
Benzo (a) pyrene	0.120	0.66	0.66	100
Benzo (b) fluoranthene	0.160	0.9	4	50
Chrysene	0.110	9	40	500
Fluoranthene	0.210	2,300	10,000	100
Phenanthrene	0.110	-	-	-
Pyrene	0.180	1,700	10,000	100
BN TICs:	ND	-	-	-

This soil sample meets the most stringent cleanup standards as outlined in N.J.A.C. 7:26D cleanup standards for contaminated sites.

Notes:
All values in Parts per million (ppm) or mg/L
ND = Not Detected
- = Not Available/Applicable
+ = Criterion will be determined based on site-specific parameters. Draft numerical standards were proposed by NJDEP in July 2004
* = Criteria based on Chromium Trivalent (III)
PCBs = Polychlorinated Biphenyls
TICs = Tentatively Identified Compounds
RDC = Residential Direct Contact
NRDC = Non-Residential Direct Contact
IGW = Impact to Ground Water
SCC = Soil Cleanup Criteria for Contaminated Sites (N.J.A.C. 7:26D)
Bolded values exceed NJDEP Guideline / SCC
Test America Laboratories of King of Prussia, PA, conducted analyses of soil samples.

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19 July 2006
Alex Arcega

Envirotech Consultants, Inc.
216 Little Falls Road (Units 13-14)
Cedar Grove, NJ 07009

RE: Churchill Estate - 8719 Churchill Rd.

Enclosed are the results of analyses for samples received by the laboratory on 07/07/06 14:00. If you have any questions concer report, please feel free to contact me.

Sincerely,

K Shetn

Kristy Shetn
Project Manager

TestAmerica
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Envirotech Consultants, Inc. 216 Little Falls Road (Units 13-14) Cedar Grove NJ 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 07/19/06 15:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W - 1	6070192-01	Soil	07/07/06 00:00	07/07/06 14:00

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K Sheth

Kristy Sheth, Project Manager

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Envirotech Consultants, Inc.	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	07/19/06 15:55

Priority Pollutant Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W - 1 (6070192-01) Soil Sampled: 07/07/06 00:00 Received: 07/07/06 14:00									
Antimony	ND	5.0	mg/kg dry	1	6071303	07/13/06	07/13/06	EPA 6010B	G02
Beryllium	0.83	0.20	"	"	"	"	"	"	
Cadmium	0.38	0.20	"	"	"	"	"	"	G02
Chromium	28	1.0	"	"	"	"	"	"	G02
Copper	31	0.50	"	"	"	"	"	"	G02
Lead	49	5.0	"	"	"	"	"	"	
Nickel	17	2.5	"	"	"	"	"	"	G02
Selenium	ND	2.5	"	"	"	"	"	"	G02
Silver	0.96	0.50	"	"	"	"	"	"	G02
Zinc	86	1.0	"	"	"	"	"	"	G02

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K Sheth

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Envirotech Consultants, Inc. 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arrega	Reported: 07/19/06 15:55

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W - 1 (6070192-01) Soil Sampled: 07/07/06 00:00 Received: 07/07/06 14:00									
Arsenic	4.8	1.2	mg/kg dry	5	6071304	07/13/06	07/13/06	EPA 7060A	DILN
Mercury	ND	0.100	"	1	6071312	07/13/06	07/14/06	EPA 7471A	
Thallium	0.11	0.10	"	"	6071304	07/13/06	07/14/06	EPA 7841	

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K Sheth

Kristy Sheth, Project Manager

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Envirotech Consultants, Inc.	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ 07009	Project Manager: Alex Arcega	07/19/06 15:55

Organochlorine Pesticides by EPA Method 8081A

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W - 1 (6070192-01) Soil Sampled: 07/07/06 00:00 Received: 07/07/06 14:00									10
Aldrin	ND	1.0	ug/kg dry	1	6071223	07/13/06	07/13/06	EPA 8081A	
alpha-BHC	ND	1.0	"	"	"	"	"	"	
beta-BHC	ND	1.0	"	"	"	"	"	"	
delta-BHC	ND	1.0	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.0	"	"	"	"	"	"	
Chlordane (tech)	ND	20	"	"	"	"	"	"	
alpha-Chlordane	ND	2.0	"	"	"	"	"	"	
gamma-Chlordane	ND	2.0	"	"	"	"	"	"	
4,4'-DDD	ND	6.0	"	"	"	"	"	"	
4,4'-DDE	ND	2.0	"	"	"	"	"	"	
4,4'-DDT	ND	6.0	"	"	"	"	"	"	
Dieldrin	ND	2.0	"	"	"	"	"	"	
Endosulfan I	ND	2.0	"	"	"	"	"	"	
Endosulfan II	ND	2.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	6.0	"	"	"	"	"	"	
Endrin	ND	2.0	"	"	"	"	"	"	
Endrin aldehyde	ND	6.0	"	"	"	"	"	"	
Endrin ketone	ND	6.0	"	"	"	"	"	"	
Heptachlor	ND	1.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.0	"	"	"	"	"	"	
Methoxychlor	ND	20	"	"	"	"	"	"	
Toxaphene	ND	80	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*83.0 %*	*53-110*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*5.32 %*	*27-110*		"	"	"	"	*O4*

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K Sheth

Kristy Sheth, Project Manager

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Envirotech Consultants, Inc. 216 Little Falls Road (Units 13-14) Cedar Grove NJ 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 07/19/06 15:55

Polychlorinated Biphenyls by EPA Method 8082

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W - 1 (6070192-01) Soil Sampled: 07/07/06 00:00 Received: 07/07/06 14:00									
PCB-1016	ND	50	ug/kg dry	1	6071223	07/13/06	07/13/06	EPA 8082	
PCB-1221	ND	50	"	"	"	"	"	"	
PCB-1232	ND	50	"	"	"	"	"	"	
PCB-1242	ND	50	"	"	"	"	"	"	
PCB-1248	ND	50	"	"	"	"	"	"	
PCB-1254	ND	50	"	"	"	"	"	"	
PCB-1260	ND	50	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*70.8 %*		*43-112*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*66.2 %*		*17-110*	"	"	"	"	

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Envirotech Consultants, Inc.	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ 07009	Project Manager: Alex Arrega	07/19/06 15:55

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W - 1 (6070192-01) Soil Sampled: 07/07/06 00:00 Received: 07/07/06 14:00									
Acetone	ND	10000	ug/kg dry	50	6071110	07/11/06	07/12/06	EPA 8260B	
Benzene	ND	100	"	"	"	"	"	"	
Bromodichloromethane	ND	100	"	"	"	"	"	"	
Bromoform	ND	210	"	"	"	"	"	"	
Bromomethane	ND	310	"	"	"	"	"	"	
2-Butanone	ND	10000	"	"	"	"	"	"	
Carbon disulfide	ND	1600	"	"	"	"	"	"	
Carbon tetrachloride	ND	210	"	"	"	"	"	"	
Chlorobenzene	ND	210	"	"	"	"	"	"	
Chlorodibromomethane	ND	210	"	"	"	"	"	"	
Chloroethane	ND	420	"	"	"	"	"	"	
Chloroform	ND	210	"	"	"	"	"	"	
Chloromethane	ND	1000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	210	"	"	"	"	"	"	
1,2-Dichloroethane	ND	210	"	"	"	"	"	"	
1,1-Dichloroethene	ND	210	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	210	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	210	"	"	"	"	"	"	
1,2-Dichloropropane	ND	210	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	210	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	210	"	"	"	"	"	"	
Ethylbenzene	ND	210	"	"	"	"	"	"	
2-Hexanone	ND	1000	"	"	"	"	"	"	
Methylene chloride	ND	3100	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	1000	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	210	"	"	"	"	"	"	
Styrene	ND	210	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	210	"	"	"	"	"	"	
Tetrachloroethene	ND	100	"	"	"	"	"	"	
Toluene	ND	210	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	210	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	210	"	"	"	"	"	"	
Trichloroethene	ND	100	"	"	"	"	"	"	
Trichlorofluoromethane	ND	210	"	"	"	"	"	"	
Vinyl chloride	ND	210	"	"	"	"	"	"	

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K Sheth

Kristy Sheth, Project Manager

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Envirotech Consultants, Inc 216 Little Falls Road (Units 13-14) Cedar Grove NJ 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 07/19/06 15:55

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W - 1 (6070193-01) Soil Sampled: 07/07/06 00:00 Received: 07/07/06 14:00									
Xylenes (total)	ND	630	ug/kg dry	50	6071110	07/11/06	07/12/06	EPA 8260B	
Surrogate: Dibromofluoromethane		*97.8 %*		*72.2-131*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*		*66.5-144*		"	"	"	
Surrogate: Toluene-d8		*101 %*		*74.4-124*		"	"	"	

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K Sheth

Kristy Sheth, Project Manager

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Envirotech Consultants, Inc. 216 Little Falls Road (Units 13-14) Cedar Grove NJ 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 07/19/06 15:55

Tentatively Identified Compounds by GC/MS 8260B (Estimated Concentration)

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W - 1 (6070192-01) Soil Sampled: 07/07/06 00:00 Received: 07/07/06 14:00									
none detected	ND	520	ug/kg dry	50	6071110	07/11/06	07/12/06	EPA 8260B	

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Envirotech Consultants, Inc.
216 Little Falls Road (Units 13-14)
Cedar Grove NJ 07009

Project: Churchill Estate - 8719 Churchill Rd.
Project Number: NA
Project Manager: Alex Arcega

Reported:
07/19/06 15:55

Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W - 1 (6070192-01) Soil Sampled: 07/07/06 00:00 Received: 07/07/06 14:00									
Acenaphthene	ND	100	ug/kg dry	1	6071224	07/13/06	07/13/06	EPA 8270D	
Acenaphthylene	ND	100	"	"	"	"	"	"	
Aniline	ND	100	"	"	"	"	"	"	
Anthracene	ND	100	"	"	"	"	"	"	
Benzoic acid	ND	500	"	"	"	"	"	"	
Benz (a) anthracene	110	100	"	"	"	"	"	"	
Benzo (a) pyrene	120	100	"	"	"	"	"	"	G03
Benzo (b) fluoranthene	160	100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	100	"	"	"	"	"	"	
Benzyl alcohol	ND	100	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	100	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	100	"	"	"	"	"	"	
4-Chloroaniline	ND	100	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	100	"	"	"	"	"	"	
2-Chloronaphthalene	ND	100	"	"	"	"	"	"	
2-Chlorophenol	ND	100	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Chrysene	110	100	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	100	"	"	"	"	"	"	
Dibenzofuran	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	500	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	100	"	"	"	"	"	"	
Diethyl phthalate	ND	100	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	100	"	"	"	"	"	"	
Dimethyl phthalate	ND	100	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	500	"	"	"	"	"	"	

TestAmerica - King Of Prussia, PA

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K Sheth

Kristy Sheth, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

1008 W 9th Ave - King of Prussia, Pa 19406
1090 King Georges Post Road - Suite 803 - Edison, NJ 08837

(610) 337-9992 - FAX (610) 337-9939
(732) 661-0777 - FAX (610) 661-0305

Envirotech Consultants, Inc. 216 Little Falls Road (Units 13-14) Cedar Grove NJ 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 07/19/06 15:55

Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W - 1 (6070192-01) Soil Sampled: 07/07/06 00:00 Received: 07/07/06 14:00									
2,4-Dinitrotoluene	ND	100	ug/kg dry	1	6071224	07/13/06	07/13/06	EPA 8270D	
2,6-Dinitrotoluene	ND	100	"	"	"	"	"	"	
Diphenylamine	ND	100	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	100	"	"	"	"	"	"	
Fluoranthene	210	100	"	"	"	"	"	"	
Fluorene	ND	100	"	"	"	"	"	"	
Hexachlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	100	"	"	"	"	"	"	
Hexachloroethane	ND	100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	100	"	"	"	"	"	"	
Isophorone	ND	100	"	"	"	"	"	"	
2-Methylnaphthalene	ND	100	"	"	"	"	"	"	
2-Methylphenol	ND	100	"	"	"	"	"	"	
3,4-Methylphenol	ND	100	"	"	"	"	"	"	
Naphthalene	ND	100	"	"	"	"	"	"	
2-Nitroaniline	ND	500	"	"	"	"	"	"	
3-Nitroaniline	ND	500	"	"	"	"	"	"	
4-Nitroaniline	ND	500	"	"	"	"	"	"	
Nitrobenzene	ND	100	"	"	"	"	"	"	
2-Nitrophenol	ND	100	"	"	"	"	"	"	
4-Nitrophenol	ND	500	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	100	"	"	"	"	"	"	
Pentachlorophenol	ND	500	"	"	"	"	"	"	
Phenanthrene	110	100	"	"	"	"	"	"	
Phenol	ND	100	"	"	"	"	"	"	
Pyrene	180	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	500	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	100	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*80.2 %*	*25-121*		"	"	"	"	
Surrogate: Phenol-d6		*86.4 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*82.9 %*	*23-120*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*87.9 %*	*30-115*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*95.5 %*	*19-122*		"	"	"	"	
Surrogate: Terphenyl-d14		*90.5 %*	*18-137*		"	"	"	"	

TestAmerica - King Of Prussia, PA

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K Sheth

Kristy Sheth, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

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(732) 661-0777 - FAX (610) 661-0305

Envirotech Consultants, Inc. 216 Little Falls Road (Units 13-14) Cedar Grove NJ 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 07/19/06 15:55

Tentatively Identified Compounds (TICs) by GCMS 8270D (Estimated Concentration)

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W - 1 (6070192-01) Soil Sampled: 07/07/06 00:00 Received: 07/07/06 14:00									
none	ND	250	ug/kg dry	1	6071224	07/13/06	07/13/06	EPA 8270D	

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K Sheth

Kristy Sheth, Project Manager

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ANALYTICAL TESTING CORPORATION
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Envirotech Consultants, Inc.	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ 07009	Project Manager: Alex Arcega	07/19/06 15:55

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W - 1 (6070192-01) Soil Sampled: 07/07/06 00:00 Received: 07/07/06 14:00									
% Solids	83.2	0.01	% by Weight	1	6071103	07/11/06	07/11/06	EPA 160.3	

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K Sheth

Kristy Sheth, Project Manager

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ANALYTICAL TESTING CORPORATION
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(732) 661-0777 - FAX (610) 661-0305

Envirotech Consultants, Inc.
216 Little Falls Road (Units 13-14)
Cedar Grove NJ 07009

Project: Churchill Estate - 8719 Churchill Rd.
Project Number: NA
Project Manager: Alex Arcega

Reported:
07/19/06 15:55

General Chemistry Parameters
TestAmerica - Nashville, TN

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W - 1 (6070192-01) Soil Sampled: 07/07/06 00:00 Received: 07/07/06 14:00									
Cyanide	ND	0.00601	mg/l, dry	1	6071719	07/12/06	07/13/06	SW846 9012A	
% Dry Solids	83.2	0.500	%	"	6071773	07/11/06	07/13/06	SW-846	

TestAmerica - King Of Prussia, PA

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K Sheth

Kristy Sheth, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

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1090 King George Post Road - Suite 803 - Edison, NJ 08837 (732) 661-0777 - FAX (610) 661-0305

Envirotech Consultants, Inc.	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Aceen	07/19/06 15:55

Notes and Definitions

P1	The average response factor met method criteria for the check standard following this sample however these compounds were high : gamma-BHC, heptachlor, aldrin.
P	The average response factor met method criteria for the check standard following this sample however these compounds were low: G-BHC, heptachlor, endrin.
O5	One or more surrogate recoveries were above the laboratory's established acceptance criteria.
O4	One or more surrogate recoveries were below the laboratory's established acceptance criteria.
G04	The laboratory control spike recoveries associated with this sample were below the laboratory's established acceptance criteria.
G03	The laboratory control spike recoveries associated with this sample were above the laboratory's established acceptance criteria.
G02	The matrix QC recoveries associated with this sample were below the laboratory's established acceptance criteria.
G01	The matrix QC recoveries associated with this sample were above the laboratory's established acceptance criteria.
DILN	Due to matrix interference and or sample dilution the detection limits for this sample have been elevated.
I1	This compound was above the method control limits in the Check Standard associated with this sample.
I0	This compound was below the method control limits in the Check Standard associated with this sample.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

K Sheth

Kristy Sheth, Project Manager

WORK ORDER

NPG0976

TestAmerica - Nashville, TN

Client: TestAmerica Analytical - King of Prussia (11631)
Project: New Jersey Deliverable Sites

Project Manager: Jennifer Gamblll
Project Number: 6070192

Report To:
TestAmerica Analytical - King of Prussia (11631)
Kristy Sheth
1008 West Ninth Ave
King of Prussia, PA 19406
Phone: (610) 337-9992
Fax. (610) 337-9939

Invoice To:
TestAmerica Analytical - King of Prussia (11631)
Accts Payable
1008 West Ninth Ave
King of Prussia, PA 19406
Phone :(610) 337-9992
Fax: (610) 337-9939

Received By: Paul Buckingham
Logged In By: Paul Buckingham
Sampled By

Date Received: 07/11/06 08:00
Date Due: 07/14/06 23:59

Project Location: New Jersey

Salesperson: In House Account

Samples Received at: 2.3°C
Custody Seals: Yes Received On Ice: Yes
Containers Intact: Yes
COC/Labels Agree: Yes
Preservation Confirm: Yes

Use Work Order number for Project Number.
8270C Extended list has 1,2-Diphenylhydrazine only.

analysis | comments

NPG0976-01 6070192-01 [Soil] Sampled 07/07/06 00:00 Eastern

Extractions

Solids Percent Dry Weight — NJ Documentation

WetChem

Cyanide Total 9012 A — NJ Documentation

WORK ORDER

Printed: 7/10/2006 12:25:05PM

6070192

TestAmerica Analytical - King Of Prussia

Client: Envirotech Consultants, Inc.
Project: Churchill Estate - 8719 Churchill Rd.

Project Manager: Kristy Sheth
Project Number: NA

Report To:
Envirotech Consultants, Inc.
Alex Arcega
216 Little Falls Road (Units 13-14)
Cedar Grove, NJ 07009
Phone: (973) 571-2202
Fax: (973) 571-2203

Invoice To:
Envirotech Consultants, Inc. -Bill To
Robert Dydo
216 Little Falls Road (Units 13-14)
Cedar Grove, NJ 07009
Phone :(973) 571-2202
Fax: (973) 571-2203

Date Due: 07/14/06 18:00 (5 day TAT)

Received By: Glorice Johnson
Date Received: 07/07/06 14:00

Logged In By: Jake Zanck
Date Logged In: 07/10/06 12:22

Samples Received at 4°C
Custody Seals No Received On Ice Yes
Containers Intact Yes
COC/Labels Agree Yes
Preservation Confin Yes

Analysis	Due	TAT	Expires	Comments
6070192-01 W - 1 [Soil] Sampled 07/07/06 00:00 Eastern				
Solids, Dry Weight	07/14/06 17:00	5	08/06/06 00:00	
NJ Reduced Deliverable Package	07/14/06 17:00	5	07/21/06 00:00	
NJ Priority Poll Soil	07/14/06 17:00	5	07/21/06 00:00	
8270 TICS	07/14/06 17:00	5	07/21/06 00:00	tics to 20.
8260 TICS	07/14/06 17:00	5	07/21/06 00:00	Tics to 20.

Test America - Nashville

6070192-01 W - 1 [Soil] Sampled 07/07/06 00:00 Eastern				
NJ Reduced Deliverable Package--Subc	07/14/06 17:00	5	08/04/06 00:00	
Cyanide, Total	07/14/06 17:00	5	07/21/06 00:00	

Analysis groups included in this work order

NJ Priority Poll Soil

Tl Total GFAA 7841	Pests 8081	PCB 8082	NJ Metal PP ICP
Hg Soil 7471	Cyanide, Total	As, Total GFAA 7060A	8270
8260			

K.S. 7/10/06

Reviewed By Date

RUSH (days or hours):

LP-I or CLP-II Other (specified below)
USEPA)

Request for change(s):

Quote No:

Envirotech Contact: Alex A.

ENVIROTECH Consultants, LLC

216 LITTLE FALLS ROAD
CEDAR GROVE, NJ 07009
TEL (973) 571-2202 FAX (973) 571-2203

ENVIRONMENTAL SERVICES
SITE INVESTIGATION
SITE REMEDIATION

September 28, 2007

Carl Mountheit
I-Park
45 River Road
Edgewater, NJ 07020

Re: Lab Results for
87-19 Churchill Road
North Bergen, NJ

Dear Mr. Mountheit:

Per your request Envirotech Consultants, LLC (Envirotech) is pleased to forward the lab results of sample SA collected from the above referenced site on September 13, 2007 and was analyzed for PP+40. The analytical results indicated that the targeted contaminant concentrations are in compliance with the New Jersey Residential Soil Cleanup Criteria.

If you need additional information or have any questions please call the undersigned at (973) 571-2202.

Sincerely,

Emilie Hillebrand
Evironmental Scientist
Envirotech Consultants, LLC

ENVIROTECH Consultants, LLC

216 LITTLE FALLS ROAD
CEDAR GROVE, NJ 07009
TEL (973) 571-2202 FAX (973) 571-2203

ENVIRONMENTAL SERVICES
SITE INVESTIGATION
SITE REMEDIATION

September 27, 2007

Mr. Colin Machleder
Filco
390 Adams St.
PO Box 2098
Newark, NJ 07114

Re: Lab Results for
87-19 Churchill Road
North Bergen, NJ

Dear Mr. Machleder:

Envirotech Consultants, LLC (Envirotech) is pleased to forward the lab results of sample SA collected from the above-referenced site on September 13, 2007 and was analyzed for PP+40. The analytical results indicated that the targeted contaminant concentrations are in compliance with the New Jersey Residential Soil Cleanup Criteria.

If you need additional information or have any questions please call the undersigned at (973) 571-2202.

Sincerely,

Envirotech Consultants, LLC
Alex S. Arcega, P.G.
Senior Geologist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

26 September 2007

Envirotech Consultants, LLC

Alex Arcega
216 Little Falls Road (Units 13-14)
Cedar Grove, NJ 07009

RE: Churchill Estate - 8719 Churchill Rd.

Enclosed are the results of analyses for samples received by the laboratory on 09/13/07 15:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

K Sheth

Kristy Sheth
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406

(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	**Reported:** 09/26/07 16:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-A	KQI0290-01	Soil	09/13/07 08:00	09/13/07 15:30

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K Sheth

Kristy Sheth, Project Manager

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	09/26/07 16:05

Priority Pollutant Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQI0290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
Antimony	ND	5.0	mg/kg dry	1	7091706	09/17/07	09/18/07	EPA 6010B	
Beryllium	**0.99**	0.20	"	"	"	"	"	"	
Cadmium	**0.43**	0.20	"	"	"	"	"	"	
Chromium	**33**	1.0	"	"	"	"	"	"	
Copper	**38**	0.50	"	"	"	"	"	"	
Lead	**63**	5.0	"	"	"	"	"	"	
Nickel	**20**	2.5	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	2.5	"	"	"	"	"	"	
Zinc	**160**	1.0	"	"	"	"	"	"	

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K Sheth

Kristy Sheth, Project Manager

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 09/26/07 16:05

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQI0290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
Arsenic	3.7	1.2	mg/kg dry	5	7091708	09/17/07	09/18/07	EPA 7060A	DILN, G01
Mercury	ND	0.100	"	1	7091809	09/18/07	09/18/07	EPA 7471A	
Thallium	0.14	0.10	"	"	7091708	09/17/07	09/18/07	EPA 7841	

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K Sheth

Kristy Sheth, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	09/26/07 16:05

Organochlorine Pesticides by EPA Method 8081A

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQI0290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									**P**
Aldrin	ND	1.0	ug/kg dry	1	7091721	09/17/07	09/18/07	EPA 8081A	
alpha-BHC	ND	1.0	"	"	"	"	"	"	
beta-BHC	ND	1.0	"	"	"	"	"	"	
delta-BHC	ND	1.0	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.0	"	"	"	"	"	"	
Chlordane (tech)	ND	20	"	"	"	"	"	"	
alpha-Chlordane	ND	2.0	"	"	"	"	"	"	
gamma-Chlordane	ND	2.0	"	"	"	"	"	"	
4,4'-DDD	ND	6.0	"	"	"	"	"	"	
4,4'-DDE	ND	2.0	"	"	"	"	"	"	
4,4'-DDT	ND	6.0	"	"	"	"	"	"	
Dieldrin	ND	2.0	"	"	"	"	"	"	
Endosulfan I	ND	2.0	"	"	"	"	"	"	
Endosulfan II	ND	2.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	6.0	"	"	"	"	"	"	
Endrin	ND	2.0	"	"	"	"	"	"	
Endrin aldehyde	ND	6.0	"	"	"	"	"	"	
Endrin ketone	ND	6.0	"	"	"	"	"	"	
Heptachlor	ND	1.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.0	"	"	"	"	"	"	
Methoxychlor	ND	20	"	"	"	"	"	"	
Toxaphene	ND	80	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*71.1 %*	*53-110*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*64.0 %*	*22-110*		"	"	"	"	

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K Sheth

Kristy Sheth, Project Manager

TestAmerica

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 09/26/07 16:05

Polychlorinated Biphenyls by EPA Method 8082

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQI0290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
PCB-1016	ND	50	ug/kg dry	1	7091721	09/17/07	09/18/07	EPA 8082	
PCB-1221	ND	50	"	"	"	"	"	"	
PCB-1232	ND	50	"	"	"	"	"	"	
PCB-1242	ND	50	"	"	"	"	"	"	
PCB-1248	ND	50	"	"	"	"	"	"	
PCB-1254	ND	50	"	"	"	"	"	"	
PCB-1260	ND	50	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*87.3 %*	*43-112*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*81.6 %*	*17-110*		"	"	"	"	

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K Sheth

Kristy Sheth, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	09/26/07 16:05

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQI0290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
Acetone	ND	9400	ug/kg dry	50	7091427	09/14/07	09/15/07	EPA 8260B	
Benzene	ND	380	"	"	"	"	"	"	
Bromodichloromethane	ND	380	"	"	"	"	"	"	
Bromoform	ND	380	"	"	"	"	"	"	
Bromomethane	ND	380	"	"	"	"	"	"	
2-Butanone	ND	9400	"	"	"	"	"	"	
Carbon disulfide	ND	380	"	"	"	"	"	"	
Carbon tetrachloride	ND	380	"	"	"	"	"	"	
Chlorobenzene	ND	380	"	"	"	"	"	"	
Chlorodibromomethane	ND	380	"	"	"	"	"	"	
Chloroethane	ND	380	"	"	"	"	"	"	
Chloroform	ND	380	"	"	"	"	"	"	
Chloromethane	ND	940	"	"	"	"	"	"	
1,1-Dichloroethane	ND	380	"	"	"	"	"	"	
1,2-Dichloroethane	ND	380	"	"	"	"	"	"	
1,1-Dichloroethene	ND	380	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	380	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	380	"	"	"	"	"	"	
1,2-Dichloropropane	ND	380	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	380	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	380	"	"	"	"	"	"	
Ethylbenzene	ND	380	"	"	"	"	"	"	
2-Hexanone	ND	940	"	"	"	"	"	"	
Methylene chloride	ND	2800	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	940	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	380	"	"	"	"	"	"	
Styrene	ND	380	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	380	"	"	"	"	"	"	
Tetrachloroethene	ND	380	"	"	"	"	"	"	
Toluene	ND	380	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	380	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	380	"	"	"	"	"	"	
Trichloroethene	ND	380	"	"	"	"	"	"	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 09/26/07 16:05

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQI0290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
Trichlorofluoromethane	ND	380	ug/kg dry	50	7091427	09/14/07	09/15/07	EPA 8260B	
Vinyl chloride	ND	380	"	"	"	"	"	"	
Xylenes (total)	ND	1100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*42.6-163*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*48.2-167*		"	"	"	"	
Surrogate: Toluene-d8		*96.9 %*	*41.6-167*		"	"	"	"	

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K Sheth

Kristy Sheth, Project Manager

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	**Reported:**
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	09/26/07 16:05

Tentatively Identified Compounds by GC/MS 8260B (Estimated Concentration)

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQI0290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
none detected	ND	470	ug/kg dry	50	7091427	09/14/07	09/15/07	EPA 8260B	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill-Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 09/26/07 16:05

Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQI0290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
Acenaphthene	ND	100	ug/kg dry	1	7091420	09/17/07	09/19/07	EPA 8270D	G04
Acenaphthylene	ND	100	"	"	"	"	"	"	
Aniline	ND	100	"	"	"	"	"	"	
Anthracene	ND	100	"	"	"	"	"	"	
Benzoic acid	ND	500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	100	"	"	"	"	"	"	G04
Benzo (a) pyrene	ND	100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	100	"	"	"	"	"	"	
Benzyl alcohol	ND	100	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	100	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	100	"	"	"	"	"	"	
4-Chloroaniline	ND	100	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	100	"	"	"	"	"	"	G04
2-Chloronaphthalene	ND	100	"	"	"	"	"	"	
2-Chlorophenol	ND	100	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Chrysene	ND	100	"	"	"	"	"	"	G04
Dibenz (a,h) anthracene	ND	100	"	"	"	"	"	"	
Dibenzofuran	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
3,3'-Dichlorobenzidine cas#91941	ND	500	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	100	"	"	"	"	"	"	
Diethyl phthalate	ND	100	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	100	"	"	"	"	"	"	
Dimethyl phthalate	ND	100	"	"	"	"	"	"	

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K Sheth

Kristy Sheth, Project Manager

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	09/26/07 16:05

Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQI0290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
Di-n-butyl phthalate	ND	330	ug/kg dry	1	7091420	09/17/07	09/19/07	EPA 8270D	
4,6-Dinitro-2-methylphenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	100	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	100	"	"	"	"	"	"	
Diphenylamine	ND	100	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	100	"	"	"	"	"	"	
Fluoranthene	ND	100	"	"	"	"	"	"	G04
Fluorene	ND	100	"	"	"	"	"	"	G04
Hexachlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	100	"	"	"	"	"	"	
Hexachloroethane	ND	100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	100	"	"	"	"	"	"	
Isophorone	ND	100	"	"	"	"	"	"	
2-Methylnaphthalene	ND	100	"	"	"	"	"	"	
2-Methylphenol	ND	100	"	"	"	"	"	"	
3&4-Methylphenol	ND	100	"	"	"	"	"	"	
Naphthalene	ND	100	"	"	"	"	"	"	
2-Nitroaniline	ND	500	"	"	"	"	"	"	
3-Nitroaniline	ND	500	"	"	"	"	"	"	
4-Nitroaniline	ND	500	"	"	"	"	"	"	
Nitrobenzene	ND	100	"	"	"	"	"	"	
2-Nitrophenol	ND	100	"	"	"	"	"	"	
4-Nitrophenol	ND	500	"	"	"	"	"	"	G04
N-Nitrosodi-n-propylamine	ND	100	"	"	"	"	"	"	G04
Pentachlorophenol	ND	500	"	"	"	"	"	"	G04
Phenanthrene	ND	100	"	"	"	"	"	"	G04
Phenol	ND	100	"	"	"	"	"	"	
Pyrene	ND	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	500	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	100	"	"	"	"	"	"	

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Kristy Sheth, Project Manager

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Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQI0290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
Surrogate: 2-Fluorophenol		*75.5 %*	*25-121*		*7091420*	*09/17/07*	*09/19/07*	*EPA 8270D*	
Surrogate: Phenol-d6		*77.5 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*81.5 %*	*23-120*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*80.7 %*	*30-115*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*85.4 %*	*19-122*		"	"	"	"	
Surrogate: Terphenyl-d14		*80.9 %*	*18-137*		"	"	"	"	

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	09/26/07 16:05

Tentatively Identified Compounds (TICs) by GCMS 8270D (Estimated Concentration)

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQI0290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
unknown (a)	310	250	ug/kg dry	1	7091420	09/17/07	09/19/07	EPA 8270D	

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General Chemistry

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQI0290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
% Solids	**89.8**	0.01	% by Weight	1	7091801	09/18/07	09/18/07	EPA 160.3	

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Cedar Grove NJ, 07009	Project Manager: Alex Arcega	09/26/07 16:05

Notes and Definitions

P	The average response factor met method criteria for the check standard following this sample however these compounds were low: DDT, Methoxychlor, endrin ketone, endosulfan sulfate, endrin ketone
MS4X	The source sample result for this MS/MSD is greater than 4 times the spike level, therefore % recoveries are statistically insignificant.
G04	The laboratory control spike recoveries associated with this sample were below the laboratory's established acceptance criteria.
G02	The matrix QC recoveries associated with this sample were below the laboratory's established acceptance criteria.
G01	The matrix QC recoveries associated with this sample were above the laboratory's established acceptance criteria.
Dup	The %RSD between the sample and its duplicate is outside the method acceptable criteria.
DILN	Due to matrix interference and or sample dilution the detection limits for this sample have been elevated.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

PROJECT NO. KQI0290

KQI0290 NEW JERSEY

Lot #: A7I150160

Kristy Sheth

TestAmerica - King of Prussia
West 9th Street
King of Prussia, PA 19406

TESTAMERICA LABORATORIES, INC.

Lois D. Ezzo
Project Manager

September 25, 2007

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CASE NARRATIVE

CASE NARRATIVE

A7I150160

The following report contains the analytical results for one solid sample submitted to TestAmerica North Canton by TestAmerica King Of Prussia from the KQI0290 New Jersey Site, project number KQI0290. The sample was received September 15, 2007, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The sample presented in this report was analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Kristy Sheth on September 20, 2007. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters, which are never reported on a dry weight basis, is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Lois D. Ezzo, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 3.8°C.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton (formerly STL North Canton) conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton (formerly STL North Canton) requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A7I150160

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
KQI0290-01 09/13/07 08:00 001				
Percent Solids	91.2	10.0	%	MCAWW 160.3 MOD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A7I150160

PARAMETER	ANALYTICAL METHOD
Total cyanide	SM18 4500-CN E
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SAMPLE SUMMARY

SAMPLE SUMMARY

A7I150160

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J6X15	001	KQI0290-01	09/13/07	08:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SHIPPING AND RECEIVING DOCUMENTS

SUBCONTRACT ORDER

TestAmerica - King Of Prussia, PA

KQI0290

SENDING LABORATORY:

TestAmerica - King Of Prussia, PA
1008 West Ninth Avenue
King of Prussia, PA 19406
Phone: 610.337.9992
Fax: 610.337.9939
Project Manager: Kristy Sheth
Client: Envirotech Consultants, LLC

RECEIVING LABORATORY:

TestAmerica North Canton
4101 Shuffel Drive NW
North Canton, OH 44720
Phone :(330) 497-9396
Fax: (330) 491-0772
Project Location: New Jersey
Receipt Temperature: 3.8 °C Ice: Y / N

RUSH TAT Due 9/19

*EDD required

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
Sample ID: KQI0290-01	**Soil**		Sampled: 09/13/07 08:00			
Cyanide, Total	mg/kg	09/19/07	09/27/07 08:00	$20.03	0%	
NJ Reduced Deliverable Pac	%	09/19/07	10/11/07 08:00	$0.00	0%	

Containers Supplied:
2 oz. jar (B)

Released By	9/14/07 Date/Time	Fedex Received By	Date/Time
Released By	Date/Time	Matt Jerl TAL/N C Received By	15 Sep 2007 0930 Date/Time

TestAmerica North Canton

TestAmerica Cooler Receipt Form/Narrative **Lot Number:** AEI160160
North Canton Facility

Client: TAL/KOP Project: _____ Quote#: _____
Cooler Received on: 15 SEPT 2007 Opened on: 15 SEPT 2007 By: [signature] (Signature)
Fedx ☒ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ TestAmerica Courier ☐
Stetson ☐ US Cargo ☐ Other: _____

TestAmerica Cooler No# _____ Foam Box ☐ Client Cooler ☒ Other _____

1. Were custody seals on the outside of the cooler? Yes ☒ No ☐ Intact? Yes ☒ No ☐ NA ☐
   If YES, Quantity ONE
   Were the custody seals signed and dated? Yes ☒ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☒ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other: ICE BAG
6. Cooler temperature upon receipt 3.8 °C (see back of form for multiple coolers/temp)

METHOD: IR ☒ Other ☐ _____
COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☒ No ☐
9. Were samples at the correct pH upon receipt? Yes ☐ No ☐ NA ☐
10. Were correct bottles used for the tests indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a Trip Blank present in the cooler? Yes ☐ No ☒ Were VOAs on the COC? Yes ☐ No ☒

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐
Concerning: _____

1. CHAIN OF CUSTODY

The following discrepancies occurred:

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #042607-HNO3 - Sulfuric Acid Lot # 092006-H2SO4; Sodium Hydroxide Lot # 122805 -NaOH; Hydrochloric Acid Lot # 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot # 050205-CH3COO2ZN/NaOH*
Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials

SOP: NC-SC-0005, Sample Receiving
N:\QAQC\NARRATIV\STL\Cooler Receipt TestAmerica\COOLER_TestAmerica_Rev 63 073007.doc

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp °C	Method	Coolant

Discrepancies Cont'd

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

GENERAL CHEMISTRY DATA

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SAMPLE DATA

TestAmerica King of Prussia

Client Sample ID: KQI0290-01

General Chemistry

Lot-Sample #...: A7I150160-001 **Work Order #...:** J6X15 **Matrix.....:** SO
Date Sampled...: 09/13/07 08:00 **Date Received..:** 09/15/07
% Moisture.....: 8.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**91.2**	**10.0**	**%**	**MCAWW 160.3 MOD**	**09/15-09/17/07**	**7258089**
		Dilution Factor: 1		MDL.....: 10.0		
Total Cyanide	ND	0.55	mg/kg	SM18 4500-CN E	09/20/07	7263353
		Dilution Factor: 1		MDL.....: 0.12		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A7I150160 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids		Work Order #: J60KJ1AA		MB Lot-Sample #:	A7I150000-089	
	ND	10.0	%	MCAWW 160.3 MOD	09/15-09/17/07	7258089
		Dilution Factor: 1				
Total Cyanide		Work Order #: J69HP1AA		MB Lot-Sample #:	A7I200000-353	
	ND	0.50	mg/kg	SM18 4500-CN E	09/20/07	7263353
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7I150160 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: J69HP1AC	LCS Lot-Sample#: A7I200000-353		
	108	(68 - 123)	SM18 4500-CN E	09/20/07	7263353
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A7I150160 Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			Work Order #: J69HP1AC		LCS Lot-Sample#: A7I200000-353		
	18.5	19.9	mg/kg	108	SM18 4500-CN E	09/20/07	7263353
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7I150160 **Matrix.....:** SOLID
Date Sampled...: 09/18/07 09:05 **Date Received..:** 09/19/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
						% Moisture.....: 100	
Cyanide, Total		WO#: J66DG1AN-MS/J66DG1AP-MSD				MS Lot-Sample #: A7I190182-004	
	81	(50 - 134)			SM18 4500-CN E	09/20/07	7263352
	81	(50 - 134)	0.29	(0-20)	SM18 4500-CN E	09/20/07	7263352
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A7I150160 **Matrix.....:** SOLID
Date Sampled...: 09/18/07 09:05 **Date Received..:** 09/19/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
							% Moisture.....: 100		
Cyanide, Total			WO#: J66DG1AN-MS/J66DG1AP-MSD				MS Lot-Sample #: A7I190182-004		
	ND	2.0	1.7	mg/kg	81		SM18 4500-CN	09/20/07	7263352
	ND	2.0	1.7	mg/kg	81	0.29	SM18 4500-CN	09/20/07	7263352
			Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A7I150160 **Work Order #...:** J6X15-SMP J6X15-DUP **Matrix.....:** SO

Date Sampled...: 09/13/07 08:00 **Date Received..:** 09/15/07

% Moisture.....: 8.8

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #:	A7I150160-001	
	91.2	89.5	%	1.9	(0-20)	MCAWW 160.3 MOD	09/15-09/17/07	7258089

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A7I150160 **Work Order #...:** J6X7Q-SMP J6X7Q-DUP **Matrix.....:** SOLID

Date Sampled...: 09/14/07 10:15 **Date Received..:** 09/15/07

% Moisture.....: 9.0

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #:	A7I150178-022	
	91.0	90.6	%	0.44	(0-20)	MCAWW 160.3 MOD	09/15-09/17/07	7258089

Dilution Factor: 1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SUPPORTIVE RAW DATA

			TestAmerica, North Canton			
		Percent Total Solid/Percent Moisture Logsheet				
Analysis	TS			Batch	7258089	
Prep Date	9/15/2007	Time In	14:15	Analyst	BW	
Anal date	9/17/2007	Time Out	11:46	RL	10	
Sample	Tare	Wet	Dry	Result TS	Result MS	comments
ID	wt	wt	wt	%	%	
BLK B	4.5334	4.4398	4.4218	3.12	ND	
J6X7Q	4.5334	11.1741	10.5795	91.046	8.954	
J6X7QX	4.5334	9.5218	9.0551	90.644	9.356	
J6X7T	4.5334	15.8881	14.9460	91.703	8.297	
J6X71	4.5334	14.1154	13.5463	94.061	5.939	
J6X72	4.5334	14.7619	13.8382	90.969	9.031	
J6X75	4.5334	14.4441	13.9007	94.517	5.483	
J6X76	4.5334	16.3707	15.7420	94.689	5.311	
J6X79	4.5334	13.7384	13.1317	93.409	6.591	
J6X8A	4.5334	15.0931	14.5637	94.987	5.013	
J6X8D	4.5334	16.5840	16.0201	95.321	4.679	
J6X8H	4.5334	12.7761	12.4716	96.306	3.694	
J6X8J	4.5334	17.2167	16.4535	93.983	6.017	
J6X8L	4.5334	18.3172	17.2126	91.986	8.014	
J6X8P	4.5334	14.4344	14.2573	98.211	1.789	
J6X8Q	4.5334	15.1330	14.6507	95.450	4.550	
J6X15	4.5334	10.9965	10.4263	91.178	8.822	
J6X15X	4.5334	7.5080	7.1951	89.481	10.519	

TestAmerica, North Canton

General Chemistry Data Review Checklist

Parameter(s): CN- solid

Batch(es): 7263352/53

Method #/SOP#: 9012A

Review Items	Level I Review			Level II Review		
A. Initial Calibration	YES	NO	N/A	YES	NO	N/A
1. Initial calibration correlation coefficient ≥ 0.995?	✓			✓		
2. Calibration curve consist of the minimum number of calibration standards?	✓			✓		
3. ICV analyzed at immediately after calibration and within control limits ? (90-110%)	✓			✓		
4. ICB analyzed immediately after ICV and within criteria (± RL)?	✓			✓		
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?	✓			✓		
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?	✓			✓		
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?			✓			✓
2. All reported results bracketed by in control QC ?	✓			✓		
3. Sample analyses done within holding time ?	✓			✓		
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*	✓			✓		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?	✓			✓		
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			✓			✓
E. Titrant						
1. Titrant standardized?			✓			✓
2. If no, standardization expires			✓			
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?			✓			✓
2. Calculations checked for error ?	✓			✓		
3. Transcriptions checked for error ?	✓			✓		
4. All client/project specific requirements met ?	✓			✓		
5. Date/time of preparation and analysis verified as correct ?	✓			✓		
6. Units verified as correct?	✓			✓		
7. Dilutions have been properly applied and RL's adjusted appropriately?			✓			✓
8. SOP followed?	✓			✓		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?			✓	✓		
10. All reagent and standard numbers recorded in logbook?	✓			✓		
11. Edits dated and initialed	✓			✓		

Comment on any "NO" response(s):

Level I reviewer: Courtney Tenn Date: 9/20/07

Level II Reviewer: OC Date: 9/20/07

N:\Inorganics\spreadsheets2\Use This Wet Chem_Level I.doc
Corporate Policy, QA-012
Revision date: 08/25/00

Result Report AquaKem 6.5 Page: 1

STL-Canton
Konelab 250

Date : 2007-09-20
Time : 13.57

Test Cyanide
Unit mg/l

Sample ID:	Result	Resp.	Dilut	Man.dilut	Date and Time
CCV-CN	0.0957	0.102			2007-09-20 12.26
CCB-CN	0.0014	0.007			2007-09-20 12.26
CCV-CN	0.0931	0.100			2007-09-20 13.06
CCB-CN	0.0017	0.008			2007-09-20 13.06
BLANK	0.0021	0.008	0.105		2007-09-20 13.06
J6X15	0.0027	0.009	0.135		2007-09-20 13.06
J6VNK	0.0043	0.010	0.215		2007-09-20 13.06
LOW 1	0.0249	0.031			2007-09-20 13.06
CCV-CN	0.0929	0.099			2007-09-20 13.12
CCB-CN	0.0016	0.007			2007-09-20 13.12
J6VN2	0.0044	0.010	0.220		2007-09-20 13.12
J628K	0.0015	0.007	0.075		2007-09-20 13.12
J626T	0.0041	0.010	0.205		2007-09-20 13.12
J626V	0.0037	0.009	0.185		2007-09-20 13.12
J63JV	0.0022	0.008	0.110		2007-09-20 13.12
~~J6EC4~~ J66C4	0.0023	0.008	0.115		2007-09-20 13.12
J66DE	0.0020	0.008	0.100		2007-09-20 13.12
1AM J66DG	0.0021	0.008	0.105		2007-09-20 13.12
J66DG MS	0.0344	0.040	~~0.172~~ 1.720		2007-09-20 13.12
J66DG MSD	0.0345	0.041	1.725		2007-09-20 13.12
CCV-CN	0.0963	0.103			2007-09-20 13.15
CCB-CN	0.0014	0.007			2007-09-20 13.15
ICV	0.0953	0.102			2007-09-20 13.15
MRL	0.0079	0.014			2007-09-20 13.15
CCV-CN	0.0936	0.100			2007-09-20 13.17
CCB-CN	0.0017	0.008			2007-09-20 13.17
LCS TV=18.5	0.3984	0.046	1+9.0	19.92	2007-09-20 13.20
CCV-CN	0.0990	0.105			2007-09-20 13.21
CCB-CN	0.0014	0.007			2007-09-20 13.21
CCV-CN	0.0946	0.101			2007-09-20 13.44
CCB-CN	0.0019	0.008			2007-09-20 13.44
HIGH 1	0.0908	0.097			2007-09-20 13.44
CCV-CN	0.0977	0.104			2007-09-20 13.45
CCB-CN	0.0017	0.008			2007-09-20 13.45

Solid samples. X50

Test results AquaKem 6.5 Page: 1

STL-Canton
Konelab 250
Wet Chemistry

20.09.2007 13:55

Test: Cyanide

Sample Id	Result	Dil. 1 +	Response	Errors
CCB-CN	0.0298	0.0	0.036	Rule 1 violated
CCV-CN	0.0996	0.0	0.106	
CCB-CN	0.0014	0.0	0.007	
CCV-CN	0.0890	0.0	0.098	Rule 1 violated
CCV-CN	0.0957	0.0	0.102	
CCB-CN	0.0014	0.0	0.007	
CCV-CN	0.0931	0.0	0.100	
CCB-CN	0.0017	0.0	0.008	
BLANK	0.0021	0.0	0.008	
LCS	0.3592	0.0	0.367	Dil. limit high
J6X15	0.0027	0.0	0.009	
J6VNK	0.0043	0.0	0.010	
HIGH 1	0.0883	0.0	0.095	
HIGH 2	0.0803	0.0	0.087	
HIGH 3	0.0737	0.0	0.080	
LOW 1	0.0249	0.0	0.031	
LOW 2	0.0196	0.0	0.026	
LOW 3	0.0195	0.0	0.025	
CCV-CN	0.0929	0.0	0.099	
CCB-CN	0.0016	0.0	0.007	
J6VN2	0.0044	0.0	0.010	
J628K	0.0015	0.0	0.007	
J626T	0.0041	0.0	0.010	
J626V	0.0037	0.0	0.009	
J63JV	0.0022	0.0	0.008	
J6CC4	0.0023	0.0	0.008	
J66DE	0.0020	0.0	0.008	
J66DG	0.0021	0.0	0.008	
J66DG MS	0.0344	0.0	0.040	
J66DG MSD	0.0345	0.0	0.041	
CCV-CN	0.0963	0.0	0.103	
CCB-CN	0.0014	0.0	0.007	
ICV	0.0953	0.0	0.102	
MRL	0.0079	0.0	0.014	
CCV-CN	0.0936	0.0	0.100	
CCB-CN	0.0017	0.0	0.008	
LCS	0.3984	9.0	0.046	
CCV-CN	0.0990	0.0	0.105	
CCB-CN	0.0014	0.0	0.007	
CCV-CN	0.0946	0.0	0.101	
CCB-CN	0.0019	0.0	0.008	
HIGH 1	0.0908	0.0	0.097	
HIGH 2	0.0831	0.0	0.089	
CCV-CN	0.0977	0.0	0.104	
CCB-CN	0.0017	0.0	0.008	

N	25
Mean	0.0576
SD	0.10257
CV%	177.94

TestAmerica, North Canton
Cyanide Reagent Sheet

Date: 9/20/2007

Analyst: BR

	Reagent Name	Reagent Number
	Sulfamic Acid	WR70793
	Magnesium Chloride	WR71013
	NaOH	WR70995
	Ottawa Sand	WR70439
	H2SO4	WR70865
	Chloromine T	EST 1010182
	Phosphate Buffer	EST LOT 1010059
	Pyridine Barbituric Acid	EST LOT 1009036
A	Calcium Hypochlorite	WR70943
A	Ascorbic Acid	WR70219
F	Zinc Acetate	WR71017
F	Sodium Acetate	WR70944
F	Methyl Red	WR71016

Cadmium carbonate: Sigma-Aldrich batch # 0306PB exp: 11/10/08

Conc.	Standard #	prep date
10 ppm p	CY7221	9/13/2007
10 ppm s	CY7225	
1 ppm s	CY7226	
ICV 0.1	CY7227	
MRL .005	CY7224	
Cal 0.2	CY7222	
CCV 0.1	CY7223	

LCS ERA LOT P138-502 TV= 0.370 mg/L, 18.5 mg/kg
LCS 2 ml 1ppm s + 50 ml .25 N NaOH
tv=0.04 mg/L or 2.0 mg/kg
MS/MSD: 2 ml 1ppm s. + 50 ML SAMPLE Tv= .04 mg/L
1g Sample + 50 ml DI tv=2.0 mg/kg

Calibration results AquaKem 6.5 Page: 1

STL-Canton
Konelab 250
Wet Chemistry

20.09.2007 12:50

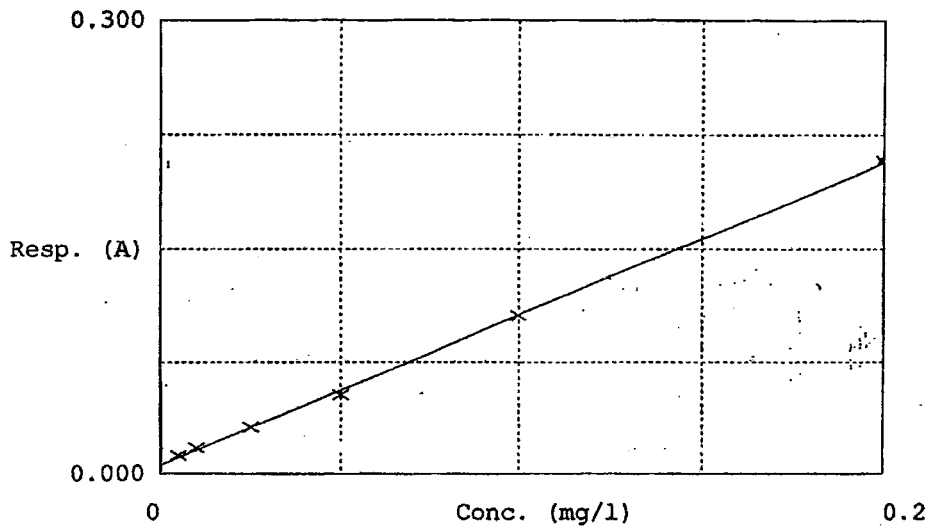
Test Cyanide

Accepted 20.09.2007 12:49

Factor 0.993
Bias 0.006

Coeff. of det. 0.999454

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CN-0.2	0.012	0.00629	0.00500	
2	CN-0.2	0.017	0.01139	0.01000	
3	CN-0.2	0.031	0.02514	0.02500	
4	CN-0.2	0.053	0.04679	0.05000	
5	CN-0.2	0.106	0.09940	0.10000	
6	CN-0.2	0.208	0.20098	0.20000	
7	CCB-CN(control)	0.007	0.00145	0.00000	
8	CCV-CN(control)	0.102	0.09574	0.10000	

TESTAMERICA, NORTH CANTON
CYANIDE DISTILLATION LOGSHEET

Prep/Anal Date 9/20/07 Analyst(s) BR Batch 7263352/53

LCS No P138-502 MS/MSD No CY7226 MS Prep Date 9/13/07

Start Time 10:45 End Time 11:45 Cool Down Time 15min

Sample	Type T	Type C	Type F	pH >12	S	Cl2	Sample Volume (mL)	Final Volume (mL)	Comments
BLANK	T	C	F	X	X	X	50 ml Hg	50 ml	
LCS	T	C	F	X	X	X	50 ml Hg	50 ml	TV = (370) x 50 = 18.5 mg/kg
J6X15	T	C	F	X	X	X	50 ml Hg	50 ml	
VNK	T	C	F	X	X	X	50 ml Hg	50 ml	
VN2	T	C	F	X	X	X	50 ml Hg	50 ml	
28K	T	C	F	X	X	X	50 ml Hg	50 ml	
26T	T	C	F	X	X	X	50 ml Hg	50 ml	
26V	T	C	F	X	X	X	50 ml Hg	50 ml	
BR 9/20/07 ~~63V~~ 3JV	T	C	F	X	X	X	50 ml Hg	50 ml	
6C4	T	C	F	X	X	X	50 ml Hg	50 ml	
6DE	T	C	F	X	X	X	50 ml Hg	50 ml	
IAM 6DG	T	C	F	X	X	X	50 ml Hg	50 ml	
6DGMS	T	C	F	X	X	X	50 ml Hg	50 ml	(50 x .04) = 2ml 1ppm 2° = 2
6DGMSD	T	C	F	X	X	X	50 ml Hg	50 ml	(50 x .04) = 2ml 1ppm 2° = 2
High 1	T	C	F	X	X	X	50 ml	50 ml	.1 = .5ml 10ppm 1°
high 2	T	C	F	X	X	X	50 ml	50 ml	.1 = .5ml 10ppm 1°
high 3	T	C	F	X	X	X	50 ml	50 ml	.1 = .5ml 10ppm 1°
Low 1	T	C	F	X	X	X	50 ml	50 ml	.025 = .125ml 10ppm 1°
Low 2	T	C	F	X	X	X	50 ml	50 ml	.025 = .125ml 10ppm 1°
Low 3	T	C	F	X	X	X	50 ml	50 ml	.025 = .125ml 10ppm 1°
	T	C	F	X	X	X	50 ml	50 ml	
	T	C	F	X	X	X	50 ml	50 ml	
	T	C	F	X	X	X	50 ml	50 ml	
	T	C	F	X	X	X	50 ml	50 ml	
	T	C	F	X	X	X	50 ml	50 ml	
	T	C	F	X	X	X	50 ml	50 ml	

Type: T = Total C = Chlorinated F = Free

S and Cl2 Column – a check mark in these columns indicates the sample was checked for this interference. If the interference is present, the analyst will address this in the comments section.

N:\QAQC\LAB_FORM\Wet Chem CN Distillation Log.doc Revision 0, 06/01/01 DJL

MS# 7263174

TestAmerica North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by
A7I150160	1		J6X151AE	Cyanide, Total (4500CN-E, colorimetric)	09/20/07	Courtaney Tenn
A7I150160	1		J6X151AA	Solids, Percent (as TS - 160.3 MOD) - Solids	09/15/07	Bruce Woodward
A7I150160	1	X	J6X151AD	Solids, Percent (as TS - 160.3 MOD) - Solids	09/15/07	Bruce Woodward

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

END OF REPORT

ENVIROTECH Consultants, LLC.
216 Little Falls Road
Cedar Grove, NJ 07009
Tel. (973) 571-2202 Fax (973) 571-2203

CHAIN OF CUSTODY RECORD

SITE NAME: CHURCHILL ESTATE
ADDRESS: 8717 CHURCHILL ROAD, NORTH BERGEN, NJ

Envirotech Sample ID	Laboratory ID	Sample Matrix	# of Jars	Date and Time Collected		Collected By	Sample Location	Analysis Requested	MeOH Jar #
S-A	KQI0290-01	SOIL	6	9/13/07	8 00 AM	AA	STOCKPILED SOIL	PP+40	

Notes: * EDD REQUIRED

Turnaround Time: 4 DAY T.A.T.

RUSH (days or hours): 4-DAY T.A.T.

Analytical Data Deliverables (encircle):
Full Deliverables (NJAC 7:26E-2.1) — Reduced Deliverables CLP-I or CLP-II (NJAC 7:26E-2.1) (USEPA) — Other (specified below)

Relinquished by (1): ALEX ARCEO	Organization: E.C.L.	Date/Time: 9/13/07 3:30	Request for change(s):
Received by (1): [signature]	Organization: Test America	Date/Time: 9/13/07 3:30	
Relinquished by (2): Lusha Smith	Organization: Test America	Date/Time: 9/13/07 1735	
Received by (2): Fed Ex # 8612 7970 5806	Organization: Fed Ex	Date/Time: 9/13/07 1735	
Relinquished by (3): Fed Ex	Organization: [signature]	Date/Time: 9/13/07 1330	Quote No:
Received by (3):	Organization:	Date/Time:	Case No:
			Job No:

ENVIROTECH Consultants, LLC

216 LITTLE FALLS ROAD
CEDAR GROVE, NJ 07009
TEL (973) 571-2202 FAX (973) 571-2203

ENVIRONMENTAL SERVICES
SITE INVESTIGATION
SITE REMEDIATION

November 9, 2007

Mr. Colin Machleder
Filco
390 Adams St.
PO Box 2098
Newark, NJ 07114

Re: Lab Results for Soil Sample S-B
87-19 Churchill Road
North Bergen, NJ

Dear Mr. Machleder:

Envirotech Consultants, LLC (Envirotech) is pleased to forward the lab results of sample S-B collected from the above-referenced site on October 25, 2007 and was analyzed for PP+40. The analytical results indicated that the targeted contaminant concentrations are in compliance with the New Jersey Residential Soil Cleanup Criteria. (The preliminary results were faxed to you on November 2, 2007.)

If you need additional information or have any questions please call the undersigned at (973) 571-2202.

Sincerely,

Envirotech Consultants, LLC
Alex S. Arcega, P.G.
Senior Geologist

Table 1. Soil Sampling Results (S-B)
87-19 Churchill Road
North Bergen, New Jersey

Field ID: Laboratory Sampling ID: Sample Date: Unit:	S-B 0665-01 10/25/07 ppm	NJDEP RDCSCC ppm	NJDEP NRDCSCC ppm	NJDEP IGWSCC ppm
Volatile Organics:	ND	-	-	-
VO TICS:	ND	-	-	-
Semivolatile Organics:				
Benzo (a) anthracene	0.230	0.9	4	500
Benzo (a) pyrene	0.250	0.66	0.66	100
Benzo (b) fluroanthene	0.120	0.9	4	500
Chrysene	0.190	9	40	500
Fluoranthene	0.560	2300	1000	100
Indeno (1,2,3-cd) pyrene	0.120	0.9	4	500
Phenanthrene	0.130	-	-	-
Pyrene	0.430	1700	10000	100
Semivolatile Organics TICs	ND	-	-	-
Pesticides/PCBs:	ND	**	**	**
Metals:				
Antimony	ND	14	340	+
Arsenic	3.7	20	20	+
Beryllium	0.90	2	2	+
Cadmium	0.62	39	100	+
Chromium	57	*	*	+
Copper	56	600	600	+
Lead	41	400	600	+
Mercury	0.403	14	270	+
Nickel	32	250	2400	+
Selenium	ND	63	3100	+
Silver	ND	110	4100	+
Thallium	ND	2	2	+
Zinc	81	1500	1500	+
Cyanide (total):	ND	1100	21000	+

Notes:
ND = Not Detected
VO = Volatile Organics
ppm = Parts per million or mg/l
TICS = Tentatively Identified Compounds
RDC = Residential Direct Contact
NRDC = Non-Residential Direct Contact
IGW = Impact to Groundwater
PCBs = Polychlorinated Biphynels
SCC = Soil Cleanup Criteria for Contaminated Sites (N.J.A.C. 7:26D)
- = Indicates not applicable/available
+ = Cleanup criteria based on site specific parameters determined by the NJDEP
* = There is no current standard for chromium. The standards for chromium-hexavalent are 240 ppm and 270 ppm (based on inhalation exposure pathway) for RDC; and 6100 ppm and 20 ppm (based on inhalation exposure pathway) for NRDC. The standard for chromium-trivalent is 120,000 ppm for RDC; there is no standard for NRDC.
** = SCC values were deleted since contaminants were not detected.
Samples collected by Envirotech Consultants, Inc. and analyzed by Test America, King of Prussia, PA.

TestAmerica

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1008 W 9th Ave - King of Prussia, Pa 19406

(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	**Reported:**
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	11/07/07 09:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-B	KQJ0665-01	Soil	10/25/07 14:30	10/26/07 11:30

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Andrea Ludivico

Andrea Ludivico For Kristy Sheth, Project Manager

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	**Reported:** 11/07/07 09:38

Priority Pollutant Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B (KQJ0665-01) Soil Sampled: 10/25/07 14:30 Received: 10/26/07 11:30									
Antimony	ND	5.0	mg/kg dry	1	7102906	10/29/07	11/01/07	EPA 6010B	
Beryllium	**0.90**	0.20	"	"	"	"	"	"	
Cadmium	**0.62**	0.20	"	"	"	"	"	"	
Chromium	**57**	1.0	"	"	"	"	"	"	
Copper	**56**	0.50	"	"	"	"	"	"	
Lead	**41**	5.0	"	"	"	"	"	"	
Nickel	**32**	2.5	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	2.5	"	"	"	"	"	"	
Zinc	**81**	1.0	"	"	"	"	"	"	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	**Reported:** 11/07/07 09:38

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B (KQJ0665-01) Soil Sampled: 10/25/07 14:30 Received: 10/26/07 11:30									
Arsenic	**3.7**	1.2	mg/kg dry	5	7103104	10/31/07	10/31/07	EPA 7060A	DILN
Mercury	**0.403**	0.100	"	1	7102908	10/29/07	10/30/07	EPA 7471A	11
Thallium	ND	0.10	"	"	7103104	10/31/07	10/31/07	EPA 7841	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 11/07/07 09:38

Organochlorine Pesticides by EPA Method 8081A

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B (KQJ0665-01) Soil Sampled: 10/25/07 14:30 Received: 10/26/07 11:30									P
Aldrin	ND	1.0	ug/kg dry	1	7102915	10/30/07	10/31/07	EPA 8081A	
alpha-BHC	ND	1.0	"	"	"	"	"	"	
beta-BHC	ND	1.0	"	"	"	"	"	"	
delta-BHC	ND	1.0	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.0	"	"	"	"	"	"	
Chlordane (tech)	ND	20	"	"	"	"	"	"	
alpha-Chlordane	ND	2.0	"	"	"	"	"	"	
gamma-Chlordane	ND	2.0	"	"	"	"	"	"	
4,4'-DDD	ND	6.0	"	"	"	"	"	"	
4,4'-DDE	ND	2.0	"	"	"	"	"	"	
4,4'-DDT	ND	6.0	"	"	"	"	"	"	
Dieldrin	ND	2.0	"	"	"	"	"	"	
Endosulfan I	ND	2.0	"	"	"	"	"	"	
Endosulfan II	ND	2.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	6.0	"	"	"	"	"	"	
Endrin	ND	2.0	"	"	"	"	"	"	
Endrin aldehyde	ND	6.0	"	"	"	"	"	"	
Endrin ketone	ND	6.0	"	"	"	"	"	"	
Heptachlor	ND	1.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.0	"	"	"	"	"	"	
Methoxychlor	ND	20	"	"	"	"	"	"	
Toxaphene	ND	80	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*85.1 %*	*53-110*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*59.5 %*	*22-110*		"	"	"	"	

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	11/07/07 09:38

Polychlorinated Biphenyls by EPA Method 8082

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B (KQJ0665-01) Soil Sampled: 10/25/07 14:30 Received: 10/26/07 11:30									**10**
PCB-1016	ND	50	ug/kg dry	1	7102915	10/30/07	10/31/07	EPA 8082	
PCB-1221	ND	50	"	"	"	"	"	"	
PCB-1232	ND	50	"	"	"	"	"	"	
PCB-1242	ND	50	"	"	"	"	"	"	
PCB-1248	ND	50	"	"	"	"	"	"	
PCB-1254	ND	50	"	"	"	"	"	"	
PCB-1260	ND	50	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*69.1 %*	*43-112*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*126 %*	*17-110*		"	"	"	"	*O4*

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 11/07/07 09:38

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B (KQJ0665-01) Soil Sampled: 10/25/07 14:30 Received: 10/26/07 11:30									
Acetone	ND	10000	ug/kg dry	50	7102612	10/26/07	10/29/07	EPA 8260B	
Benzene	ND	400	"	"	"	"	"	"	
Bromodichloromethane	ND	400	"	"	"	"	"	"	
Bromoform	ND	400	"	"	"	"	"	"	
Bromomethane	ND	400	"	"	"	"	"	"	
2-Butanone	ND	10000	"	"	"	"	"	"	
Carbon disulfide	ND	400	"	"	"	"	"	"	
Carbon tetrachloride	ND	400	"	"	"	"	"	"	
Chlorobenzene	ND	400	"	"	"	"	"	"	
Chlorodibromomethane	ND	400	"	"	"	"	"	"	
Chloroethane	ND	400	"	"	"	"	"	"	
Chloroform	ND	400	"	"	"	"	"	"	
Chloromethane	ND	1000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	400	"	"	"	"	"	"	
1,2-Dichloroethane	ND	400	"	"	"	"	"	"	
1,1-Dichloroethene	ND	400	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	400	"	"	"	"	"	"	
1,2-Dichloropropane	ND	400	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	400	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	400	"	"	"	"	"	"	
Ethylbenzene	ND	400	"	"	"	"	"	"	
2-Hexanone	ND	1000	"	"	"	"	"	"	
Methylene chloride	ND	1500	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	1000	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	400	"	"	"	"	"	"	
Styrene	ND	400	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	400	"	"	"	"	"	"	
Tetrachloroethene	ND	400	"	"	"	"	"	"	
Toluene	ND	400	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	400	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	400	"	"	"	"	"	"	
Trichloroethene	ND	400	"	"	"	"	"	"	

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Andrea Ludivico For Kristy Sheth, Project Manager

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(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	11/07/07 09:38

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B (KQJ0665-01) Soil Sampled: 10/25/07 14:30 Received: 10/26/07 11:30									
Trichlorofluoromethane	ND	400	ug/kg dry	50	7102612	10/26/07	10/29/07	EPA 8260B	
Vinyl chloride	ND	400	"	"	"	"	"	"	
Xylenes (total)	ND	1200	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.7 %*	*42.6-163*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*48.2-167*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*41.6-167*		"	"	"	"	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 11/07/07 09:38

Tentatively Identified Compounds by GC/MS 8260B (Estimated Concentration)

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B (KQJ0665-01) Soil Sampled: 10/25/07 14:30 Received: 10/26/07 11:30									
none detected	ND	2000	ug/kg dry	50	7102612	10/26/07	10/29/07	EPA 8260B	

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Andrea Ludivico For Kristy Sheth, Project Manager

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1008 W 9th Ave - King of Prussia, Pa 19406

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	11/07/07 09:38

Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B (KQJ0665-01) Soil Sampled: 10/25/07 14:30 Received: 10/26/07 11:30									
Acenaphthene	ND	100	ug/kg dry	1	7103137	11/01/07	11/02/07	EPA 8270D	
Acenaphthylene	ND	100	"	"	"	"	"	"	
Aniline	ND	100	"	"	"	"	"	"	
Anthracene	ND	100	"	"	"	"	"	"	
Benzoic acid	ND	500	"	"	"	"	"	"	
Benzo (a) anthracene	**230**	100	"	"	"	"	"	"	
Benzo (a) pyrene	**250**	100	"	"	"	"	"	"	
Benzo (b) fluoranthene	**290**	100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	100	"	"	"	"	"	"	
Benzo (k) fluoranthene	**120**	100	"	"	"	"	"	"	
Benzyl alcohol	ND	100	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	100	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	100	"	"	"	"	"	"	
4-Chloroaniline	ND	100	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	100	"	"	"	"	"	"	
2-Chloronaphthalene	ND	100	"	"	"	"	"	"	
2-Chlorophenol	ND	100	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Chrysene	**190**	100	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	100	"	"	"	"	"	"	
Dibenzofuran	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
3,3'-Dichlorobenzidine cas#91941	ND	500	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	100	"	"	"	"	"	"	
Diethyl phthalate	ND	100	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	100	"	"	"	"	"	"	
Dimethyl phthalate	ND	100	"	"	"	"	"	"	

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Andrea Ludivico

Andrea Ludivico For Kristy Sheth, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 11/07/07 09:38

Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B (KQJ0665-01) Soil Sampled: 10/25/07 14:30 Received: 10/26/07 11:30									
Di-n-butyl phthalate	ND	330	ug/kg dry	1	7103137	11/01/07	11/02/07	EPA 8270D	
4,6-Dinitro-2-methylphenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	100	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	100	"	"	"	"	"	"	
Diphenylamine	ND	100	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	100	"	"	"	"	"	"	
Fluoranthene	**560**	100	"	"	"	"	"	"	
Fluorene	ND	100	"	"	"	"	"	"	
Hexachlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	100	"	"	"	"	"	"	
Hexachloroethane	ND	100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	**120**	100	"	"	"	"	"	"	
Isophorone	ND	100	"	"	"	"	"	"	
2-Methylnaphthalene	ND	100	"	"	"	"	"	"	
2-Methylphenol	ND	100	"	"	"	"	"	"	
3&4-Methylphenol	ND	100	"	"	"	"	"	"	
Naphthalene	ND	100	"	"	"	"	"	"	
2-Nitroaniline	ND	500	"	"	"	"	"	"	
3-Nitroaniline	ND	500	"	"	"	"	"	"	
4-Nitroaniline	ND	500	"	"	"	"	"	"	
Nitrobenzene	ND	100	"	"	"	"	"	"	
2-Nitrophenol	ND	100	"	"	"	"	"	"	
4-Nitrophenol	ND	500	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	100	"	"	"	"	"	"	
Pentachlorophenol	ND	500	"	"	"	"	"	"	
Phenanthrene	**130**	100	"	"	"	"	"	"	
Phenol	ND	100	"	"	"	"	"	"	
Pyrene	**430**	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	500	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	100	"	"	"	"	"	"	

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Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B (KQJ0665-01) Soil Sampled: 10/25/07 14:30 Received: 10/26/07 11:30									
Surrogate: 2-Fluorophenol		*75.1 %*		*25-121*	*7103137*	*11/01/07*	*11/02/07*	*EPA 8270D*	
Surrogate: Phenol-d6		*76.7 %*		*24-113*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*81.1 %*		*23-120*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*81.8 %*		*30-115*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*90.2 %*		*19-122*	"	"	"	"	
Surrogate: Terphenyl-d14		*91.7 %*		*18-137*	"	"	"	"	

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Tentatively Identified Compounds (TICs) by GCMS 8270D (Estimated Concentration)

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B (KQJ0665-01) Soil Sampled: 10/25/07 14:30 Received: 10/26/07 11:30									
none	ND	250	ug/kg dry	1	7103137	11/01/07	11/02/07	EPA 8270D	

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	11/07/07 09:38

General Chemistry

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B (KQJ0665-01) Soil Sampled: 10/25/07 14:30 Received: 10/26/07 11:30									
% Solids	**81.7**	0.01	% by Weight	1	7103001	10/30/07	10/30/07	EPA 160.3	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	**Reported:** 11/07/07 09:38

Notes and Definitions

RPD	The Relative Percent Difference was above the acceptance limit of 20%.
P	The average response factor met method criteria for the check standard following this sample however these compounds were low: Heptachlor, Endrin, DDT, Methoxychlor, Enrin Ketone
G4	One or more surrogate recoveries were below the laboratory's established acceptance criteria.
MS4X	The source sample result for this MS/MSD is greater than 4 times the spike level, therefore % recoveries are statistically insignificant.
G02	The matrix QC recoveries associated with this sample were below the laboratory's established acceptance criteria.
G01	The matrix QC recoveries associated with this sample were above the laboratory's established acceptance criteria.
Dup	The %RSD between the sample and its duplicate is outside the method acceptable criteria.
DILN	Due to matrix interference and or sample dilution the detection limits for this sample have been elevated.
11	This compound was above the method control limits in the Check Standard associated with this sample.
10	This compound was below the method control limits in the Check Standard associated with this sample.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

TestAmerica King of Prussia

Lot #: A7J300214

KQJ0665 ENVIROTECH CONSULTANTS

Date Reported: 11/02/07

Project Number: KQJ0665

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Client Sample ID: KQJ0665-01				
Sample #: 001 Date Sampled: 10/25/07 14:30 Date Received: 10/30/07 Matrix: SOLID				
Inorganic Analysis				Reviewed
Total cyanide	ND	0.57	mg/kg	SM18 4500-CN E
Total Residue as Percent Solids	**88.0**	**10.0**	**%**	**MCAWW 160.3 MOD**

Results and reporting limits have been adjusted for dry weight.

ENVIROTECH Consultants, LLC.
216 Little Falls Road
Cedar Grove, NJ 07009
Tel. (973) 571-2202 Fax (973) 571-2203

CHAIN OF CUSTODY RECORD

SITE NAME: CHURCHILL ESTATE
ADDRESS: 8719 Churchill Road, North Bergen, NJ

Envirotech Sample ID	Laboratory ID	Sample Matrix	# of Jars	Date and Time Collected		Collected By	Sample Location	Analysis Requested	MeOH Jar #
S-B		Soil	5	10/25/07	14:30	MA	Stockpiled Soil	PP+40 KWJ0665-01	

Notes:
*EDD Required

Turnaround Time: 4-DAY TAT
RUSH (days or hours): 4-DAY TAT

Analytical Data Deliverables (encircle):
Full Deliverables (NJAC 7:26E-2.1) | Reduced Deliverables (NJAC 7:26E-2.1) | CLP-I or CLP-II (USEPA) | Other (specified below)

Relinquished by (1): [signature]	Organization: E.C.L.	Date/Time: 10/26/07 9:45am	Request for change(s):
Received by (1): [signature]	Organization: [illegible]	Date/Time: 10/26/07 0946	* custody seals intact EL 10/27/07 2C
Relinquished by (2): [signature]	Organization: TestAmerica	Date/Time: 10/26/07 1130	
Received by (2): Tisha Smith	Organization: TestAmerica	Date/Time: 10/26/07 1130	
Relinquished by (3): Tisha Smith	Organization: TestAmerica	Date/Time: 10/26/07 1755	Quote No:
Received by (3): Fed Ex #801279633435	Organization: Fed Ex	Date/Time: 10/26/07 1755	Case No:
Rel: Fed Ex	Fed Ex		Job No: 61073
Rec: [signature]	TA	10/27/07 9:50	

ENVIROTECH Consultants, LLC

216 LITTLE FALLS ROAD
CEDAR GROVE, NJ 07009
TEL (973) 571-2202 FAX (973) 571-2203

ENVIRONMENTAL SERVICES
SITE INVESTIGATION
SITE REMEDIATION

Via Fax: (201) 945 1973 and
Regular Mail

November 27, 2007

Mr. Colin Machleder
Filco
390 Adams St.
PO Box 2098
Newark, NJ 07114

Re: Lab Results for Soil Samples S-C and S-D
87-19 Churchill Road
North Bergen, NJ

Dear Mr. Machleder:

Envirotech Consultants, LLC ("Envirotech") is pleased to forward the summaries of the lab results of samples S-B and S-C collected from the above-referenced site on November 13, 2007 and November 14, 2007, respectively. Both samples were analyzed for PP+40. The analytical results indicate that the targeted contaminant concentrations are in compliance with the New Jersey Residential Soil Cleanup Criteria. (The preliminary results were faxed to you on November 26, 2007.)

If you need additional information or have any questions please call the undersigned at (973) 571-2202.

Sincerely,

Envirotech Consultants, LLC
Alex S. Arcega, P.G.
Senior Geologist

Table 1. Soil Sampling Results (S-C, S-D)
Churchill Estate
North Bergen, New Jersey

Field ID: Laboratory Sampling ID: Sample Date: Unit:	S-C 0320-01 11/13/07 ppm	S-D 0320-01 11/13/07 ppm	NJDEP RDCSCC ppm	NJDEP NRDCSCC ppm	NJDEP IGWSCC ppm
Volatile Organics:	ND		-	-	-
VO TICS:	ND		-	-	-
Semivolatile Organics:					
Anthracene	ND	0.16	1000	1000	100
Benzo (a) anthracene	ND	0.48	0.9	4	500
Benzo (a) pyrene	ND	0.32	0.66	0.66	100
Benzo (b) fluroanthene	ND	0.42	0.9	4	500
Benzo (k) fluroanthene	ND	0.15	0.9	4	500
Benzo (g,h,i) perylene	ND	0.19	-	-	-
Chrysene	ND	0.43	9	40	500
Fluoranthene	ND	1.1	2300	1000	100
Indeno (1,2,3-cd) pyrene	ND	0.22	0.9	4	500
Phenanthrene	ND	0.57	-	-	-
Pyrene	ND	0.74	1700	10000	100
Semivolatile Organics TICs					
Benzo (e) pyrene	ND	330	-	-	-
Pesticides					
alpha-Chlordane	0.0029	0.0043	-	-	-
gamma-Chlordane	ND	0.0033	-	-	-
Dieldrin	ND	0.0048	-	-	-
PCBs	ND	ND	**	**	**
Metals:					
Antimony	ND	ND	14	340	+
Arsenic	4.2	6.6	20	20	+
Beryllium	0.65	0.56	2	2	+
Cadmium	0.20	0.21	39	100	+
Chromium	25	20	*	*	+
Copper	23	26	600	600	+
Lead	26	150	400	600	+
Mercury	ND	0.178	14	270	+
Nickel	22	16	250	2400	+
Selenium	ND	ND	63	3100	+
Silver	ND	ND	110	4100	+
Thallium	ND	ND	2	2	+
Zinc	78	100	1500	1500	+
Cyanide (total):	ND	3.3	1100	21000	+

Notes:
ND = Not Detected
VO = Volatile Organics
ppm = Parts per million or mg/l
TICS = Tentatively Identified Compounds
RDC = Residential Direct Contact
NRDC = Non-Residential Direct Contact
IGW = Impact to Groundwater
SCC = Soil Cleanup Criteria for Contaminated Sites (N.J.A.C. 7:26D)
- = Indicates not applicable/available
+ = Cleanup criteria based on site specific parameters determined by the NJDEP
* = There is no current standard for chromium. The standards for chromium-hexavalent are 240 ppm and 270 ppm (based on inhalation exposure pathway) for RDC; and 6100 ppm and 20 ppm (based on inhalation exposure pathway) for NRDC. The standard for chromium-trivalent is 120,000 ppm for RDC; there is no standard for NRDC.
** = SCC values were deleted since contaminants were not detected.
Samples collected by Envirotech Consultants, LLC and analyzed by Test America, King of Prussia, PA.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406

(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	11/26/07 14:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-C	KQK0320-01	Soil	11/13/07 14:00	11/14/07 16:50
S-D	KQK0320-02	Soil	11/14/07 14:00	11/14/07 16:50

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 11/26/07 14:53

Priority Pollutant Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-C (KQK0320-01) Soil Sampled: 11/13/07 14:00 Received: 11/14/07 16:50									
Antimony	ND	5.0	mg/kg dry	1	7111603	11/16/07	11/16/07	EPA 6010B	
Beryllium	**0.65**	0.20	"	"	"	"	"	"	
Cadmium	**0.20**	0.20	"	"	"	"	"	"	
Chromium	**25**	1.0	"	"	"	"	"	"	
Copper	**23**	0.50	"	"	"	"	"	"	
Lead	**26**	5.0	"	"	"	"	"	"	
Nickel	**22**	2.5	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	2.5	"	"	"	"	"	"	10, 11, B, G04
Zinc	**78**	1.0	"	"	"	"	"	"	
S-D (KQK0320-02) Soil Sampled: 11/14/07 14:00 Received: 11/14/07 16:50									
Antimony	ND	5.0	mg/kg dry	1	7111603	11/16/07	11/16/07	EPA 6010B	
Beryllium	**0.56**	0.20	"	"	"	"	"	"	
Cadmium	**0.21**	0.20	"	"	"	"	"	"	
Chromium	**20**	1.0	"	"	"	"	"	"	
Copper	**26**	0.50	"	"	"	"	"	"	
Lead	**150**	5.0	"	"	"	"	"	"	
Nickel	**16**	2.5	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	2.5	"	"	"	"	"	"	10, 11, B, G04
Zinc	**100**	1.0	"	"	"	"	"	"	

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Total Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-C (KQK0320-01) Soil Sampled: 11/13/07 14:00 Received: 11/14/07 16:50									
Arsenic	**4.2**	1.2	mg/kg dry	5	7111905	11/19/07	11/20/07	EPA 7060A	DILN, G01
Mercury	ND	0.100	"	1	7111907	11/19/07	11/19/07	EPA 7471A	
Thallium	ND	0.10	"	"	7111905	11/19/07	11/20/07	EPA 7841	G02
S-D (KQK0320-02) Soil Sampled: 11/14/07 14:00 Received: 11/14/07 16:50									
Arsenic	**6.6**	1.2	mg/kg dry	5	7111905	11/19/07	11/20/07	EPA 7060A	DILN
Mercury	**0.178**	0.100	"	1	7111907	11/19/07	11/19/07	EPA 7471A	
Thallium	ND	0.10	"	"	7111905	11/19/07	11/20/07	EPA 7841	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	**Reported:** 11/26/07 14:53

Organochlorine Pesticides by EPA Method 8081A

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-C (KQK0320-01) Soil Sampled: 11/13/07 14:00 Received: 11/14/07 16:50									10
Aldrin	ND	1.0	ug/kg dry	1	7110920	11/16/07	11/21/07	EPA 8081A	
alpha-BHC	ND	1.0	"	"	"	"	"	"	
beta-BHC	ND	1.0	"	"	"	"	"	"	
delta-BHC	ND	1.0	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.0	"	"	"	"	"	"	
Chlordane (tech)	ND	20	"	"	"	"	"	"	
alpha-Chlordane	**2.9**	2.0	"	"	"	"	"	"	GCRPD
gamma-Chlordane	ND	2.0	"	"	"	"	"	"	
4,4'-DDD	ND	6.0	"	"	"	"	"	"	
4,4'-DDE	ND	2.0	"	"	"	"	"	"	
4,4'-DDT	ND	6.0	"	"	"	"	"	"	GCRPD
Dieldrin	ND	2.0	"	"	"	"	"	"	
Endosulfan I	ND	2.0	"	"	"	"	"	"	
Endosulfan II	ND	2.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	6.0	"	"	"	"	"	"	
Endrin	ND	2.0	"	"	"	"	"	"	
Endrin aldehyde	ND	6.0	"	"	"	"	"	"	
Endrin ketone	ND	6.0	"	"	"	"	"	"	
Heptachlor	ND	1.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.0	"	"	"	"	"	"	
Methoxychlor	ND	20	"	"	"	"	"	"	
Toxaphene	ND	80	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*72.4 %*	*53-110*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*75.9 %*	*22-110*		"	"	"	"	

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	**Reported:**
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	11/26/07 14:53

Organochlorine Pesticides by EPA Method 8081A

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-D (KQK0320-02) Soil Sampled: 11/14/07 14:00 Received: 11/14/07 16:50									**10**
Aldrin	ND	1.0	ug/kg dry	1	7110920	11/16/07	11/22/07	EPA 8081A	
alpha-BHC	ND	1.0	"	"	"	"	"	"	
beta-BHC	ND	1.0	"	"	"	"	"	"	
delta-BHC	ND	1.0	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.0	"	"	"	"	"	"	
Chlordane (tech)	ND	20	"	"	"	"	"	"	
alpha-Chlordane	**4.3**	2.0	"	"	"	"	"	"	
gamma-Chlordane	**3.3**	2.0	"	"	"	"	"	"	
4,4'-DDD	ND	6.0	"	"	"	"	"	"	
4,4'-DDE	ND	2.0	"	"	"	"	"	"	
4,4'-DDT	ND	6.0	"	"	"	"	"	"	
Dieldrin	**4.8**	2.0	"	"	"	"	"	"	
Endosulfan I	ND	2.0	"	"	"	"	"	"	
Endosulfan II	ND	2.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	6.0	"	"	"	"	"	"	
Endrin	ND	2.0	"	"	"	"	"	"	
Endrin aldehyde	ND	6.0	"	"	"	"	"	"	
Endrin ketone	ND	6.0	"	"	"	"	"	"	
Heptachlor	ND	1.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.0	"	"	"	"	"	"	
Methoxychlor	ND	20	"	"	"	"	"	"	
Toxaphene	ND	80	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*63.5 %*	*53-110*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*41.8 %*	*22-110*		"	"	"	"	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 11/26/07 14:53

Polychlorinated Biphenyls by EPA Method 8082

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-C (KQK0320-01) Soil Sampled: 11/13/07 14:00 Received: 11/14/07 16:50									
PCB-1016	ND	50	ug/kg dry	1	7110920	11/16/07	11/21/07	EPA 8082	
PCB-1221	ND	50	"	"	"	"	"	"	
PCB-1232	ND	50	"	"	"	"	"	"	
PCB-1242	ND	50	"	"	"	"	"	"	
PCB-1248	ND	50	"	"	"	"	"	"	
PCB-1254	ND	50	"	"	"	"	"	"	
PCB-1260	ND	50	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*69.4 %*		*43-112*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*85.1 %*		*17-110*	"	"	"	"	
S-D (KQK0320-02) Soil Sampled: 11/14/07 14:00 Received: 11/14/07 16:50									
PCB-1016	ND	50	ug/kg dry	1	7110920	11/16/07	11/21/07	EPA 8082	
PCB-1221	ND	50	"	"	"	"	"	"	
PCB-1232	ND	50	"	"	"	"	"	"	
PCB-1242	ND	50	"	"	"	"	"	"	
PCB-1248	ND	50	"	"	"	"	"	"	
PCB-1254	ND	50	"	"	"	"	"	"	
PCB-1260	ND	50	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*65.9 %*		*43-112*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*70.2 %*		*17-110*	"	"	"	"	

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	11/26/07 14:53

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-C (KQK0320-01) Soil Sampled: 11/13/07 14:00 Received: 11/14/07 16:50									
Acetone	ND	10000	ug/kg dry	50	7111511	11/15/07	11/16/07	EPA 8260B	
Benzene	ND	410	"	"	"	"	"	"	
Bromodichloromethane	ND	410	"	"	"	"	"	"	
Bromoform	ND	410	"	"	"	"	"	"	
Bromomethane	ND	410	"	"	"	"	"	"	
2-Butanone	ND	10000	"	"	"	"	"	"	
Carbon disulfide	ND	410	"	"	"	"	"	"	
Carbon tetrachloride	ND	410	"	"	"	"	"	"	
Chlorobenzene	ND	410	"	"	"	"	"	"	
Chlorodibromomethane	ND	410	"	"	"	"	"	"	
Chloroethane	ND	410	"	"	"	"	"	"	
Chloroform	ND	410	"	"	"	"	"	"	
Chloromethane	ND	1000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	410	"	"	"	"	"	"	
1,2-Dichloroethane	ND	410	"	"	"	"	"	"	
1,1-Dichloroethene	ND	410	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	410	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	410	"	"	"	"	"	"	
1,2-Dichloropropane	ND	410	"	"	"	"	"	"	10
cis-1,3-Dichloropropene	ND	410	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	410	"	"	"	"	"	"	
Ethylbenzene	ND	410	"	"	"	"	"	"	10
2-Hexanone	ND	1000	"	"	"	"	"	"	
Methylene chloride	ND	1500	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	1000	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	410	"	"	"	"	"	"	
Styrene	ND	410	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	410	"	"	"	"	"	"	
Tetrachloroethene	ND	410	"	"	"	"	"	"	
Toluene	ND	410	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	410	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	410	"	"	"	"	"	"	
Trichloroethene	ND	410	"	"	"	"	"	"	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 11/26/07 14:53

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-C (KQK0320-01) Soil Sampled: 11/13/07 14:00 Received: 11/14/07 16:50									
Trichlorofluoromethane	ND	410	ug/kg dry	50	7111511	11/15/07	11/16/07	EPA 8260B	
Vinyl chloride	ND	410	"	"	"	"	"	"	
Xylenes (total)	ND	1200	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.2 %*		*42.6-163*		"	"	"	"
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*		*48.2-167*		"	"	"	"
Surrogate: Toluene-d8		*94.9 %*		*41.6-167*		"	"	"	"
S-D (KQK0320-02) Soil Sampled: 11/14/07 14:00 Received: 11/14/07 16:50									
Acetone	ND	10000	ug/kg dry	50	7111511	11/15/07	11/16/07	EPA 8260B	
Benzene	ND	410	"	"	"	"	"	"	
Bromodichloromethane	ND	410	"	"	"	"	"	"	
Bromoform	ND	410	"	"	"	"	"	"	
Bromomethane	ND	410	"	"	"	"	"	"	
2-Butanone	ND	10000	"	"	"	"	"	"	
Carbon disulfide	ND	410	"	"	"	"	"	"	
Carbon tetrachloride	ND	410	"	"	"	"	"	"	
Chlorobenzene	ND	410	"	"	"	"	"	"	
Chlorodibromomethane	ND	410	"	"	"	"	"	"	
Chloroethane	ND	410	"	"	"	"	"	"	
Chloroform	ND	410	"	"	"	"	"	"	
Chloromethane	ND	1000	"	"	"	"	"	"	
1,1-Dichloroethane	ND	410	"	"	"	"	"	"	
1,2-Dichloroethane	ND	410	"	"	"	"	"	"	
1,1-Dichloroethene	ND	410	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	410	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	410	"	"	"	"	"	"	
1,2-Dichloropropane	ND	410	"	"	"	"	"	"	10
cis-1,3-Dichloropropene	ND	410	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	410	"	"	"	"	"	"	
Ethylbenzene	ND	410	"	"	"	"	"	"	10
2-Hexanone	ND	1000	"	"	"	"	"	"	
Methylene chloride	ND	1500	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	1000	"	"	"	"	"	"	

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	11/26/07 14:53

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-D (KQK0320-02) Soil Sampled: 11/14/07 14:00 Received: 11/14/07 16:50									
Methyl tert-butyl ether	ND	410	ug/kg dry	50	7111511	11/15/07	11/16/07	EPA 8260B	
Styrene	ND	410	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	410	"	"	"	"	"	"	
Tetrachloroethene	ND	410	"	"	"	"	"	"	
Toluene	ND	410	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	410	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	410	"	"	"	"	"	"	
Trichloroethene	ND	410	"	"	"	"	"	"	
Trichlorofluoromethane	ND	410	"	"	"	"	"	"	
Vinyl chloride	ND	410	"	"	"	"	"	"	
Xylenes (total)	ND	1200	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.3 %*	*42.6-163*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.3 %*	*48.2-167*		"	"	"	"	
Surrogate: Toluene-d8		*95.8 %*	*41.6-167*		"	"	"	"	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 11/26/07 14:53

Tentatively Identified Compounds by GC/MS 8260B (Estimated Concentration)

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-C (KQK0320-01) Soil Sampled: 11/13/07 14:00 Received: 11/14/07 16:50									
none detected	ND	510	ug/kg dry	50	7111511	11/15/07	11/16/07	EPA 8260B	
S-D (KQK0320-02) Soil Sampled: 11/14/07 14:00 Received: 11/14/07 16:50									
none detected	ND	510	ug/kg dry	50	7111511	11/15/07	11/16/07	EPA 8260B	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 11/26/07 14:53

Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-C (KQK0320-01) Soil Sampled: 11/13/07 14:00 Received: 11/14/07 16:50									**A-01, PRLM**
Acenaphthene	ND	100	ug/kg dry	1	7111522	11/16/07	11/18/07	EPA 8270D	
Acenaphthylene	ND	100	"	"	"	"	"	"	
Aniline	ND	100	"	"	"	"	"	"	
Anthracene	ND	100	"	"	"	"	"	"	
Benzoic acid	ND	500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	100	"	"	"	"	"	"	
Benzo (a) pyrene	ND	100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	100	"	"	"	"	"	"	
Benzyl alcohol	ND	100	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	100	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	100	"	"	"	"	"	"	
4-Chloroaniline	ND	100	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	100	"	"	"	"	"	"	
2-Chloronaphthalene	ND	100	"	"	"	"	"	"	
2-Chlorophenol	ND	100	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Chrysene	ND	100	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	100	"	"	"	"	"	"	
Dibenzofuran	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
3,3'-Dichlorobenzidine cas#91941	ND	500	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	100	"	"	"	"	"	"	
Diethyl phthalate	ND	100	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	100	"	"	"	"	"	"	
Dimethyl phthalate	ND	100	"	"	"	"	"	"	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 11/26/07 14:53

Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-C (KQK0320-01) Soil Sampled: 11/13/07 14:00 Received: 11/14/07 16:50									**A-01, PRLM**
Di-n-butyl phthalate	ND	330	ug/kg dry	1	7111522	11/16/07	11/18/07	EPA 8270D	
4,6-Dinitro-2-methylphenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	100	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	100	"	"	"	"	"	"	
Diphenylamine	ND	100	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	100	"	"	"	"	"	"	
Fluoranthene	**170**	100	"	"	"	"	"	"	
Fluorene	ND	100	"	"	"	"	"	"	
Hexachlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	100	"	"	"	"	"	"	
Hexachloroethane	ND	100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	100	"	"	"	"	"	"	
Isophorone	ND	100	"	"	"	"	"	"	
2-Methylnaphthalene	ND	100	"	"	"	"	"	"	
2-Methylphenol	ND	100	"	"	"	"	"	"	
3&4-Methylphenol	ND	100	"	"	"	"	"	"	
Naphthalene	ND	100	"	"	"	"	"	"	
2-Nitroaniline	ND	500	"	"	"	"	"	"	
3-Nitroaniline	ND	500	"	"	"	"	"	"	
4-Nitroaniline	ND	500	"	"	"	"	"	"	
Nitrobenzene	ND	100	"	"	"	"	"	"	
2-Nitrophenol	ND	100	"	"	"	"	"	"	
4-Nitrophenol	ND	500	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	100	"	"	"	"	"	"	
Pentachlorophenol	ND	500	"	"	"	"	"	"	
Phenanthrene	ND	100	"	"	"	"	"	"	
Phenol	ND	100	"	"	"	"	"	"	
Pyrene	**120**	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	500	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	100	"	"	"	"	"	"	

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	11/26/07 14:53

Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-C (KQK0320-01) Soil Sampled: 11/13/07 14:00 Received: 11/14/07 16:50									**A-01, PRLM**
Surrogate: 2-Fluorophenol		*73.7 %*	*25-121*		*7111522*	*11/16/07*	*11/18/07*	*EPA 8270D*	
Surrogate: Phenol-d6		*72.7 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*69.2 %*	*23-120*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*81.7 %*	*30-115*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*85.4 %*	*19-122*		"	"	"	"	
Surrogate: Terphenyl-d14		*73.3 %*	*18-137*		"	"	"	"	
S-D (KQK0320-02) Soil Sampled: 11/14/07 14:00 Received: 11/14/07 16:50									**A-01, PRLM**
Acenaphthene	ND	100	ug/kg dry	1	7111522	11/16/07	11/18/07	EPA 8270D	
Acenaphthylene	ND	100	"	"	"	"	"	"	
Aniline	ND	100	"	"	"	"	"	"	
Anthracene	**160**	100	"	"	"	"	"	"	
Benzoic acid	ND	500	"	"	"	"	"	"	
Benzo (a) anthracene	**480**	100	"	"	"	"	"	"	
Benzo (a) pyrene	**320**	100	"	"	"	"	"	"	
Benzo (b) fluoranthene	**420**	100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	**190**	100	"	"	"	"	"	"	
Benzo (k) fluoranthene	**150**	100	"	"	"	"	"	"	
Benzyl alcohol	ND	100	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	100	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	100	"	"	"	"	"	"	
4-Chloroaniline	ND	100	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	100	"	"	"	"	"	"	
2-Chloronaphthalene	ND	100	"	"	"	"	"	"	
2-Chlorophenol	ND	100	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Chrysene	**430**	100	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	100	"	"	"	"	"	"	
Dibenzofuran	ND	100	"	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andrea Ludivico

Andrea Ludivico For Kristy Sheth, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 11/26/07 14:53

Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-D (KQK0320-02) Soil Sampled: 11/14/07 14:00 Received: 11/14/07 16:50									**A-01, PRLM**
1,2-Dichlorobenzene	ND	100	ug/kg dry	1	7111522	11/16/07	11/18/07	EPA 8270D	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
3,3'-Dichlorobenzidine cas#91941	ND	500	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	100	"	"	"	"	"	"	
Diethyl phthalate	ND	100	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	100	"	"	"	"	"	"	
Dimethyl phthalate	ND	100	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	330	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	100	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	100	"	"	"	"	"	"	
Diphenylamine	ND	100	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	100	"	"	"	"	"	"	
Fluoranthene	**1100**	100	"	"	"	"	"	"	
Fluorene	ND	100	"	"	"	"	"	"	
Hexachlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	100	"	"	"	"	"	"	
Hexachloroethane	ND	100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	**220**	100	"	"	"	"	"	"	
Isophorone	ND	100	"	"	"	"	"	"	
2-Methylnaphthalene	ND	100	"	"	"	"	"	"	
2-Methylphenol	ND	100	"	"	"	"	"	"	
3&4-Methylphenol	ND	100	"	"	"	"	"	"	
Naphthalene	ND	100	"	"	"	"	"	"	
2-Nitroaniline	ND	500	"	"	"	"	"	"	
3-Nitroaniline	ND	500	"	"	"	"	"	"	
4-Nitroaniline	ND	500	"	"	"	"	"	"	
Nitrobenzene	ND	100	"	"	"	"	"	"	
2-Nitrophenol	ND	100	"	"	"	"	"	"	
4-Nitrophenol	ND	500	"	"	"	"	"	"	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 11/26/07 14:53

Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-D (KQK0320-02) Soil Sampled: 11/14/07 14:00 Received: 11/14/07 16:50									**A-01, PRLM**
N-Nitrosodi-n-propylamine	ND	100	ug/kg dry	1	7111522	11/16/07	11/18/07	EPA 8270D	
Pentachlorophenol	ND	500	"	"	"	"	"	"	
Phenanthrene	**570**	100	"	"	"	"	"	"	
Phenol	ND	100	"	"	"	"	"	"	
Pyrene	**740**	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	500	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	100	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*64.2 %*		*25-121*	"	"	"	"	
Surrogate: Phenol-d6		*65.6 %*		*24-113*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*62.2 %*		*23-120*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*75.5 %*		*30-115*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*78.9 %*		*19-122*	"	"	"	"	
Surrogate: Terphenyl-d14		*68.7 %*		*18-137*	"	"	"	"	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 11/26/07 14:53

Tentatively Identified Compounds (TICs) by GCMS 8270D (Estimated Concentration)

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-C (KQK0320-01) Soil Sampled: 11/13/07 14:00 Received: 11/14/07 16:50									**A-01, PRLM**
none	ND	250	ug/kg dry	1	7111522	11/16/07	11/18/07	EPA 8270D	
S-D (KQK0320-02) Soil Sampled: 11/14/07 14:00 Received: 11/14/07 16:50									**A-01, PRLM**
benzo(e)pyrene	330	250	ug/kg dry	1	7111522	11/16/07	11/18/07	EPA 8270D	

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Andrea Ludivico For Kristy Sheth, Project Manager

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	**Reported:** 11/26/07 14:53

General Chemistry

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-C (KQK0320-01) Soil Sampled: 11/13/07 14:00 Received: 11/14/07 16:50									
% Solids	**81.8**	0.01	% by Weight	1	7111513	11/15/07	11/15/07	EPA 160.3	
S-D (KQK0320-02) Soil Sampled: 11/14/07 14:00 Received: 11/14/07 16:50									
% Solids	**86.6**	0.01	% by Weight	1	7111513	11/15/07	11/15/07	EPA 160.3	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 11/26/07 14:53

Notes and Definitions

PRLM	Preliminary results
O4	One or more surrogate recoveries were below the laboratory's established acceptance criteria.
GCRPD	The RPD between the primary and secondary columns was greater than the method specified RPD of 40%.
G04	The laboratory control spike recoveries associated with this sample were below the laboratory's established acceptance criteria.
G02	The matrix QC recoveries associated with this sample were below the laboratory's established acceptance criteria.
G01	The matrix QC recoveries associated with this sample were above the laboratory's established acceptance criteria.
DILN	Due to matrix interference and or sample dilution the detection limits for this sample have been elevated.
B	The blank associated with this sample contained 2.82 ppm of this compound.
A-01	QC needed
11	This compound was above the method control limits in the Check Standard associated with this sample.
10	This compound was below the method control limits in the Check Standard associated with this sample.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Andrea Ludivico

Andrea Ludivico For Kristy Sheth, Project Manager

TESTAMERICA LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

TestAmerica King of Prussia
KQK0320 ENVIROTECH CONSULTANTS
Project Number: KQK0320

Lot #: A7K160189

Date Reported: 11/19/07

Client Sample ID: KQK0320-01
Sample #: 001 Date Sampled: 11/13/07 14:00 Date Received: 11/16/07 Matrix: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Inorganic Analysis				Reviewed
Total cyanide	ND	0.61	mg/kg	SM18 4500-CN E
Total Residue as Percent Solids	81.5	10.0	%	MCAWW 160.3 MOD

Results and reporting limits have been adjusted for dry weight.

Client Sample ID: KQK0320-02
Sample #: 002 Date Sampled: 11/13/07 14:00 Date Received: 11/16/07 Matrix: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Inorganic Analysis				Reviewed
Total cyanide	3.3	0.59	mg/kg	SM18 4500-CN E
Total Residue as Percent Solids	85.4	10.0	%	MCAWW 160.3 MOD

Results and reporting limits have been adjusted for dry weight.

ENVIROTECH Consultants, LLC.
216 Little Falls Road
Cedar Grove, NJ 07009
Tel. (973) 571-2202 Fax (973) 571-2203

CHAIN OF CUSTODY RECORD

SITE NAME: CHURCHILL ESTATE
ADDRESS: 3719 CHURCHILL ROAD, NORTH BERGEN NJ

Envirotech Sample ID	Laboratory ID	Sample Matrix	# of Jars	Date and Time Collected		Collected By	Sample Location	Analysis Requested	MeOH Jar #
S-C		SOIL	5	11/13/07	14:00	MA	STOCKPILED SOIL	PP+40	
S-D		SOIL	3	11/14/07	14:00	MA	STOCKPILED SOIL	PP+40	

Notes:
* EDD REQUIRED
Please email preliminary results to glayfield@envirotechllc.com

Turnaround Time: 4-DAY T.A.T.
RUSH (days or hours): 4-DAY T.A.T

Analytical Data Deliverables (encircle):
Full Deliverables (NJAC 7:26E-2.1) | Reduced Deliverables (NJAC 7:26E-2.1) | CLP-I or CLP-II (USEPA) | Other (specified below)

Relinquished by (1): [signature]	Organization: ENVIROTECH	Date/Time: 11/14/07 1500	Request for change(s):
Received by (1): Jesha Smith	Organization: Test AMERICA	Date/Time: 11/14/07 1500	
Relinquished by (2): Jesha Smith	Organization: Test AMERICA	Date/Time: 11/14/07 1650	
Received by (2): Fed Ex #8612796331 60	Organization: Fed Ex	Date/Time: 11/14/07 1650	
Relinquished by (3): FEDEX	Organization: FEDEX	Date/Time: 11/15/07 11.45	Quote No:
Received by (3): [signature]	Organization: TEST AMERICA	Date/Time: 11/15/07 1145	Case No: Job No: 61073

CHR PARTNERS, LLC
8719 Churchill Road
North Bergen, NJ 07047
T 1.201.945.1972
F 1.201.945.1973

December 06, 2007

Re: Churchill Estates
8701-8723 Churchill Road
North Bergen, NJ 07047
"Site Work Scope of Work"

To whom it may concern:

Please be advised that the area currently being excavated for the Hi-Rise structure consists of pure virgin soil which had no prior structures on the site.

Should you need any additional information relative to this project please advise the undersigned at your convenience.

Very Truly Yours,

Vincent H. Salvatoriello
Project Director
JH Mack, LLC

cc: File

[redacted]

216 LITTLE FALLS ROAD, CEDAR GROVE, NJ 07009
TEL (973) 571-2202
FAX (973) 571-2203

ENVIRONMENTAL SERVICES
SITE INVESTIGATION
SITE REMEDIATION

FAX COVER SHEET

To: Colin Machleder **Of:** Filco Industries

Date: September 27, 2007 **Fax #** (201) 945 1973

From: Alex Arcega **Fax # (973) 571-2203 Phone # (973) 571-2202**

Re: 8719 Churchill Road/Soil Sample **No. of pages: 19**

Colin:

I'm faxing you the analytical results of soil sample S-A (summary) collected from the above-referenced site. The complete lab data deliverables will be mailed to you immediately.

If you need additional information or have any question, please call our office at (973) 571-2202.

Envirotech Consultants, LLC
Alex Arcega, P.G.
Senior Geologist

In responding or for any questions, please call at (973) 571-2202

CONFIDENTIAL, LEGALLY PRIVILEGED DOCUMENT(S)

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ENVIROTECH Consultants, LLC

216 LITTLE FALLS ROAD
CEDAR GROVE, NJ 07009
TEL (973) 571-2202 FAX (973) 571-2203

ENVIRONMENTAL SERVICES
SITE INVESTIGATION
SITE REMEDIATION

September 27, 2007

Mr. Colin Machleder
Filco
390 Adams St.
PO Box 2098
Newark, NJ 07114

Re: Lab Results for
87-19 Churchill Road
North Bergen, NJ

Dear Mr. Machleder:

Envirotech Consultants, LLC (Envirotech) is pleased to forward the lab results of sample SA collected from the above-referenced site on September 13, 2007 and was analyzed for PP+40. The analytical results indicated that the targeted contaminant concentrations are in compliance with the New Jersey Residential Soil Cleanup Criteria.

If you need additional information or have any questions please call the undersigned at (973) 571-2202.

Sincerely,

Envirotech Consultants, LLC
Alex S. Arcega, P.G.
Senior Geologist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

26 September 2007

Envirotech Consultants, LLC

Alex Arcega
216 Little Falls Road (Units 13-14)
Cedar Grove, NJ 07009

RE: Churchill Estate - 6719 Churchill Rd.

Enclosed are the results of analyses for samples received by the laboratory on 09/13/07 15:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

K Sheth

Kristy Sheth
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1005 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arenga	Reported: 09/26/07 16:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-A	KQ10290-01	Soil	09/13/07 08:00	09/13/07 15:30

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Kristy Sheth, Project Manager

TestAmerica
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1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 09/26/07 16:05

Priority Pollutant Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQM290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 16:30									
Antimony	ND	5.0	mg/kg dry	1	7091706	09/17/07	09/18/07	EPA 6010B	
Beryllium	0.99	0.20	"	"	"	"	"	"	
Cadmium	0.43	0.20	"	"	"	"	"	"	
Chromium	33	1.0	"	"	"	"	"	"	
Copper	38	0.50	"	"	"	"	"	"	
Lead	63	5.0	"	"	"	"	"	"	
Nickel	20	2.5	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	2.5	"	"	"	"	"	"	
Zinc	160	1.0	"	"	"	"	"	"	

TestAmerica - King Of Prussia, PA

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K. Sheth

Kristy Sheth, Project Manager

TestAmerica
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1806 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC	Project: Churchill Estate - 5719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	09/26/07 16:05

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQI0250-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 16:30									
Arsenic	3.7	1.2	mg/kg dry	5	7091708	09/17/07	09/18/07	EPA 7060A	DILN, G01
Mercury	ND	0.100	"	1	7091309	09/13/07	09/18/07	EPA 7471A	
Thallium	0.14	0.10	"	"	7091708	09/17/07	09/18/07	EPA 7841	

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K Sheth

Kristy Sheth, Project Manager

TestAmerica

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1008 W 9th Ave - King of Prussia, Pa 19406

(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 3719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 09/26/07 16:05

Organochlorine Pesticides by EPA Method 8081A

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQ16290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
Aldrin	ND	1.0	ug/kg dry	1	7091721	09/17/07	09/18/07	EPA 8081A	P
alpha-BHC	ND	1.0	"	"	"	"	"	"	
beta-BHC	ND	1.0	"	"	"	"	"	"	
delta-BHC	ND	1.0	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.0	"	"	"	"	"	"	
Chlordane (tech)	ND	20	"	"	"	"	"	"	
alpha-Chlordane	ND	2.0	"	"	"	"	"	"	
gamma-Chlordane	ND	2.0	"	"	"	"	"	"	
4,4'-DDD	ND	6.0	"	"	"	"	"	"	
4,4'-DDE	ND	2.0	"	"	"	"	"	"	
4,4'-DDT	ND	6.0	"	"	"	"	"	"	
Dieldrin	ND	2.0	"	"	"	"	"	"	
Endosulfan I	ND	2.0	"	"	"	"	"	"	
Endosulfan II	ND	2.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	6.0	"	"	"	"	"	"	
Endrin	ND	2.0	"	"	"	"	"	"	
Endrin aldehyde	ND	6.0	"	"	"	"	"	"	
Endrin ketone	ND	6.0	"	"	"	"	"	"	
Heptachlor	ND	1.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.0	"	"	"	"	"	"	
Methoxychlor	ND	20	"	"	"	"	"	"	
Toxaphene	ND	80	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*71.1 %*	*53-110*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*64.0 %*	*32-110*		"	"	"	"	

TestAmerica - King Of Prussia, PA

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Kristy Sheth, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

1508 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-0039

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	09/26/07 16:05

Polychlorinated Biphenyls by EPA Method 8082

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQ10298-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
PCB-1016	ND	50	ug/kg dry	1	7091721	09/17/07	09/18/07	EPA 8082	
PCB-1221	ND	50	"	"	"	"	"	"	
PCB-1232	ND	50	"	"	"	"	"	"	
PCB-1242	ND	50	"	"	"	"	"	"	
PCB-1248	ND	50	"	"	"	"	"	"	
PCB-1254	ND	50	"	"	"	"	"	"	
PCB-1260	ND	50	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*67.3 %*		*43-112*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*81.6 %*		*17-110*	"	"	"	"	

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Kristy Sheth, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 09/26/07 16:05

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQ80290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 16:30									
Acetone	ND	9400	ug/kg dry	50	7091427	09/14/07	09/15/07	EPA 8260B	
Benzene	ND	380	"	"	"	"	"	"	
Bromodichloromethane	ND	380	"	"	"	"	"	"	
Bromoform	ND	380	"	"	"	"	"	"	
Bromomethane	ND	380	"	"	"	"	"	"	
2-Butanone	ND	9400	"	"	"	"	"	"	
Carbon disulfide	ND	380	"	"	"	"	"	"	
Carbon tetrachloride	ND	380	"	"	"	"	"	"	
Chlorobenzene	ND	380	"	"	"	"	"	"	
Chlorodibromomethane	ND	380	"	"	"	"	"	"	
Chloroethane	ND	380	"	"	"	"	"	"	
Chloroform	ND	380	"	"	"	"	"	"	
Chloromethane	ND	940	"	"	"	"	"	"	
1,1-Dichloroethane	ND	380	"	"	"	"	"	"	
1,2-Dichloroethane	ND	380	"	"	"	"	"	"	
1,1-Dichloroethene	ND	380	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	380	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	380	"	"	"	"	"	"	
1,2-Dichloropropane	ND	380	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	380	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	380	"	"	"	"	"	"	
Ethylbenzene	ND	380	"	"	"	"	"	"	
2-Hexanone	ND	940	"	"	"	"	"	"	
Methylene chloride	ND	2800	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	940	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	380	"	"	"	"	"	"	
Styrene	ND	380	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	380	"	"	"	"	"	"	
Tetrachloroethene	ND	380	"	"	"	"	"	"	
Toluene	ND	380	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	380	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	380	"	"	"	"	"	"	
Trichloroethene	ND	380	"	"	"	"	"	"	

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K Sheth

Kristy Sheth, Project Manager

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	09/26/07 16:05

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQ10290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
Trichlorofluoromethane	ND	380	ug/kg dry	50	7091427	09/14/07	09/15/07	EPA 8260B	
Vinyl chloride	ND	380	"	"	"	"	"	"	
Xylenes (total)	ND	1100	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*		*42.6-163*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*48.2-167*		"	"	"	
Surrogate: Toluene-d8		*96.9 %*		*41.6-167*		"	"	"	

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Kristy Sheth, Project Manager

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 09/26/07 16:05

Tentatively Identified Compounds by GC/MS 8260B (Estimated Concentration)

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQ10290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
none detected	ND	470	ug/kg dry	30	7091427	09/14/07	09/15/07	EPA 8260B	

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Kristy Sheth, Project Manager

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	09/26/07 16:05

Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQ10290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
Acenaphthene	ND	100	ug/kg dry	1	7091420	09/17/07	09/19/07	EPA 8270D	G04
Acenaphthylene	ND	100	"	"	"	"	"	"	
Aniline	ND	100	"	"	"	"	"	"	
Anthracene	ND	100	"	"	"	"	"	"	
Benzoic acid	ND	500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	100	"	"	"	"	"	"	G04
Benzo (a) pyrene	ND	100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	100	"	"	"	"	"	"	
Benzyl alcohol	ND	100	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	100	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	100	"	"	"	"	"	"	
4-Chloroaniline	ND	100	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	100	"	"	"	"	"	"	G04
2-Chloronaphthalene	ND	100	"	"	"	"	"	"	
2-Chlorophenol	ND	100	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Chrysene	ND	100	"	"	"	"	"	"	G04
Dibenz (a,h) anthracene	ND	100	"	"	"	"	"	"	
Dibenzofuran	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
3,3'-Dichlorobenzidine cas#91941	ND	500	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	100	"	"	"	"	"	"	
Diethyl phthalate	ND	100	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	100	"	"	"	"	"	"	
Dimethyl phthalate	ND	100	"	"	"	"	"	"	

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K Sheth

Kristy Sheth, Project Manager

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(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC
216 Little Falls Road (Units 13-14)
Cedar Grove NJ, 07009

Project: Churchill Estate - 8719 Churchill Rd.
Project Number: NA
Project Manager: Alex Arcega

Reported:
09/26/07 16:05

Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQI0298-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
Di-n-butyl phthalate	ND	330	ug/kg dry	1	7091420	09/17/07	09/19/07	EPA 8270D	
4,6-Dinitro-2-methylphenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	100	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	100	"	"	"	"	"	"	
Diphenylamine	ND	100	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	100	"	"	"	"	"	"	
Fluoranthene	ND	100	"	"	"	"	"	"	
Fluorene	ND	100	"	"	"	"	"	"	G04
Hexachlorobenzene	ND	100	"	"	"	"	"	"	G04
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	100	"	"	"	"	"	"	
Hexachloroethane	ND	100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	100	"	"	"	"	"	"	
Isophorone	ND	100	"	"	"	"	"	"	
2-Methylnaphthalene	ND	100	"	"	"	"	"	"	
2-Methylphenol	ND	100	"	"	"	"	"	"	
3&4-Methylphenol	ND	100	"	"	"	"	"	"	
Naphthalene	ND	100	"	"	"	"	"	"	
2-Nitroaniline	ND	500	"	"	"	"	"	"	
3-Nitroaniline	ND	500	"	"	"	"	"	"	
4-Nitroaniline	ND	500	"	"	"	"	"	"	
Nitrobenzene	ND	100	"	"	"	"	"	"	
2-Nitrophenol	ND	100	"	"	"	"	"	"	
4-Nitrophenol	ND	500	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	100	"	"	"	"	"	"	G04
Pentachlorophenol	ND	500	"	"	"	"	"	"	G04
Phenanthrene	ND	100	"	"	"	"	"	"	G04
Phenol	ND	100	"	"	"	"	"	"	G04
Pyrene	ND	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	500	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	100	"	"	"	"	"	"	

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K Sheth

Kristy Sheth, Project Manager

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(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	09/26/07 16:05

Semivolatile Organic Compounds by EPA Method 8270D

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQ10290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
Surrogate: 2-Fluorophenol		*75.5 %*		*25-121*	*9091120*	*09/17/07*	*09/19/07*	*EPA 8270D*	
Surrogate: Phenol-d6		*77.5 %*		*24-113*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*81.5 %*		*23-120*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*80.7 %*		*30-115*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*85.4 %*		*19-122*	"	"	"	"	
Surrogate: Terphenyl-d14		*80.9 %*		*18-137*	"	"	"	"	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 09/26/07 16:05

Tentatively Identified Compounds (TICs) by GCMS 8270D (Estimated Concentration)

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQ10290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 15:30									
unknown (s)	310	250	ug/kg dry	1	7091420	09/17/07	09/19/07	EPA 8270D	

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K Sheth

Kristy Sheth, Project Manager

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1009 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 09/20/07 16:05

General Chemistry

TestAmerica - King Of Prussia, PA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-A (KQ10290-01) Soil Sampled: 09/13/07 08:00 Received: 09/13/07 16:10									
% Solids	89.8	0.01	% by Weight	1	7091801	09/18/07	09/18/07	EPA 160.3	

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(610) 337-9992 - FAX (610) 337-0959

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 09/26/07 16:05

Notes and Definitions

P	The average response factor met method criteria for the check standard following this sample however these compounds were low: DDT, Methoxychlor, endrin ketone, endosulfan sulfate, endrin ketone
MS4X	The source sample result for this MS/MSD is greater than 4 times the spike level, therefore % recoveries are statistically insignificant.
G04	The laboratory control spike recoveries associated with this sample were below the laboratory's established acceptance criteria.
G02	The matrix QC recoveries associated with this sample were below the laboratory's established acceptance criteria.
G01	The matrix QC recoveries associated with this sample were above the laboratory's established acceptance criteria.
Dup	The %RSD between the sample and its duplicate is outside the method acceptable criteria.
DILN	Due to matrix interference and or sample dilution the detection limits for this sample have been elevated.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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K Sheth

Kristy Sheth, Project Manager

TestAmerica King of Prussia

Client Sample ID: KQI0290-01

General Chemistry

Lot-Sample #...: A7I150160-001 Work Order #...: J6X15 Matrix.....: SO
Date Sampled...: 09/13/07 09:00 Date Received..: 09/15/07
% Moisture.....: 8.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	91.2	10.0	%	MCAWW 160.3 MOD	09/15-09/17/07	7258089
		Dilution Factor: 1		MDL.....: 10.0		
Total Cyanide	ND	0.55	mg/kg	SM18 4500-CN E	09/20/07	7263353
		Dilution Factor: 1		MDL.....: 0.12		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

ENVIROTECH Consultants, LLC.
216 Little Falls Road
Cedar Grove, NJ 07009
Tel. (973) 571-2202 Fax (973) 571-2203

CHAIN OF CUSTODY RECORD

Page 1 of 1

SITE NAME: CHURCHILL ESTATE
ADDRESS: 8717 CHURCHILL ROAD, NORTH BERGEN, NJ

Envirotech Sample ID	Laboratory ID	Sample Matrix	# of Jars	Date and Time Collected	Collected By	Sample Location	Analysis Requested	MeOH Jar #
S-A	KQI0290-01	SOIL	6	9/13/07 8:00 AM	AA	STOCKPILED SOIL	PP+40	

Notes: * EDD REQUIRED

Turnaround Time: 4 DAY T.A.T.

RUSH (days or hours): 4-DAY T.A.T.

Analytical Data Deliverables (encircle): Full Deliverables (BUAC 7:26E-2.1) Reduced Deliverables CLP-I or CLP-II (BUAC 7:26E-2.1) (USEPA) Other (specified below)

Relinquished by (1): ANEX ARCELO	Organization: E.C.C.	Date/Time: 9/13/07 3:30	Request for change(s):
Received by (1): [signature]	Organization: Test America	Date/Time: 9/13/07 [illegible]	
Relinquished by (2): Lusha Smith	Organization: Test America	Date/Time: 9/13/07 1735	
Received by (2): Fed Ex # 8612 7970 5806	Organization: Fed Ex	Date/Time: 9/13/07 1735	
Relinquished by (3): Fed Ex	Organization: [signature]	Date/Time: 9/14/07 1330	Quote No:
Received by (3):	Organization:	Date/Time:	Case No:
			Job No:

Soil Sampling Results (S-E)
February 20, 2008
Church Hill Estate
87-19 Church Hill Road
North Bergen, New Jersey

Field ID Laboratory Sampling ID Sample Date Unit	S-E KRB0386-01 2/20/08 ppm	NJDEP RDCSCC ppm	NJDEP NRDCSCC ppm	NJDEP IGWSCC ppm
Priority Pollutant Metals:				
Antimony	ND	14	340	+
Arsenic	10	20	20	+
Beryllium	1.5	2	2	+
Cadmium	1.4	39	100	+
Chromium	35	*	*	+
Copper	55	600	600	+
Lead	230	400	600	+
Mercury	ND	14	270	+
Nickel	22	250	2400	+
Selenium	ND	63	3100	+
Silver	ND	110	4100	+
Thallium	0.17	2	2	+
Zinc	280	1500	1500	+
Cyanide:	ND	**	**	**
Organochlorine Pesticides:	ND	**	**	**
Polychlorinated Biphenyls:	ND	0.49	2	50
Volatile Organics:	ND	**	**	**
Base Neutrals:				
Benzo (a) anthracene	*0.15*	*0.9*	*4*	*500*
Benzo (a) pyrene	0.13	0.66	0.66	100
Benzo (b) fluoranthene	0.16	0.9	4	50
Chrysene	0.14	9	40	500
Fluoranthene	0.26	2300	10,000	100
Phenanthrene	0.15	-	-	-
Pyrene	0.25	1700	10,000	100

Notes:

ND = Not Detected
ppm = Parts per million or mg/l
RDC = Residential Direct Contact
IGW = Impact to Groundwater
- = Indicates not applicable/available
VO = Volatile Organics
TICS = Tentatively Identified Compounds
NRDC = Non-Residential Direct Contact
SCC = Soil Cleanup Criteria for Contaminated Sites (N.J.A.C. 7:26D)
+ = Cleanup criteria based on site specific parameters determined by the NJDEP
* = There is no current standard for chromium. The standards for chromium-hexavalent are 240 ppm and 270 ppm (based on inhalation exposure pathway) for RDC; and 6100 ppm and 20 ppm (based on inhalation exposure pathway) for NRDC. The standard for chromium-trivalent is 120,000 ppm for RDC; there is no standard for NRDC.
** = SCC values were deleted since contaminants were not detected.
Bold values indicate that the NJDEP-RDCSCC has been exceeded.
Bold and Shaded values indicate that the RDC and NRDC SCC have been exceeded.
Samples collected by Envirotech Consultants, LLC and analyzed by Test America, King of Prussia, PA.

Soil Sampling Results (S-F)
February 20, 2008
Church Hill Estate
8719 Church Hill Road
North Bergen, New Jersey

Field ID: Laboratory Sampling ID: Sample Date: Unit:	S-F KRB05385-01 2/20/08 ppm	NJDEP RDCSCC ppm	NJDEP NRDCSCC ppm	NJDEP IGWSCC ppm
Priority Pollutant Metals:				
Antimony	ND	14	340	+
Arsenic	11	20	20	+
Beryllium	1.4	2	2	+
Cadmium	0.84	39	100	+
Chromium	38	*	*	+
Copper	52	600	600	+
Lead	220	400	600	+
Mercury	ND	14	270	+
Nickel	23	250	2400	+
Selenium	ND	63	3100	+
Silver	ND	110	4100	+
Thallium	0.16	2	2	+
Zinc	250	1500	1500	+
Cyanide:	ND	**	**	**
Organochlorine Pesticides:	ND	**	**	**
Polychlorinated Biphenyls:	ND	0.49	2	50
Volatile Organics:	ND	**	**	**
Base Neutrals:				
Benzo (a) anthracene	*0.27*	*0.9*	*4*	*500*
Benzo (a) pyrene	0.23	0.66	0.66	100
Benzo (b) fluoranthene	0.30	0.9	4	50
Benzo (g,h,i) perylene	0.16	-	-	-
Chrysene	0.25	9	40	500
Fluoranthene	*0.49*	*2300*	*10,000*	*100*
Indeno (1,2,3-cd) pyrene	0.17	0.9	4	500
Phenanthrene	0.25	-	-	-
Pyrene	0.47	1700	10,000	100

Notes:

ND = Not Detected
ppm = Parts per million or mg/l
RDC = Residential Direct Contact
IGW = Impact to Groundwater
- = Indicates not applicable/available

VO = Volatile Organics
TICS = Tentatively Identified Compounds
NRDC = Non-Residential Direct Contact
SCC = Soil Cleanup Criteria for Contaminated Sites (N.J.A.C. 7:26D)
+ = Cleanup criteria based on site specific parameters determined by the NJDEP

* = There is no current standard for chromium. The standards for chromium-hexavalent are 240 ppm and 270 ppm (based on inhalation exposure pathway) for RDC; and 6100 ppm and 20 ppm (based on inhalation exposure pathway) for NRDC. The standard for chromium-trivalent is 120,000 ppm for RDC; there is no standard for NRDC.
** = SCC values were deleted since contaminants were not detected.
Bold values indicate that the NJDEP-RDCSCC has been exceeded.
Bold and Shaded values indicate that the RDC and NRDC SCC have been exceeded.
Samples collected by Envirotech Consultants, LLC and analyzed by Test America, King of Prussia, PA.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

27 February 2008

Envirotech Consultants, LLC

Alex Arcega
216 Little Falls Road (Units 13-14)
Cedar Grove, NJ 07009

RE: Churchill Estate - 8719 Churchill Rd.

Enclosed are the results of analyses for samples received by the laboratory on 02/20/08 17:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Enid Dunmire

Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-F	KRB0385-01	Soil	02/20/08 08:30	02/20/08 17:35

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Enid Dunmire, Project Manager

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Envirotech Consultants, LLC *216 Little Falls Road (Units 13-14)* Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. *Project Number:* NA Project Manager: Alex Arcega	Reported: 02/27/08 15:48

Priority Pollutant Metals by EPA 6000/7000 Series Methods

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-F (KRB0385-01) Soil Sampled: 02/20/08 08:30 Received: 02/20/08 17:35									
Antimony	ND	5.0	mg/kg dry	1	8022207	02/22/08	02/26/08	EPA 6010B	
Beryllium	1.4	0.20	"	"	"	"	"	"	
Cadmium	0.84	0.20	"	"	"	"	"	"	
Chromium	38	1.0	"	"	"	"	"	"	
Copper	52	0.50	"	"	"	"	"	"	B
Lead	220	5.0	"	"	"	"	"	"	
Nickel	23	2.5	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	2.5	"	"	"	"	"	"	
Zinc	250	1.0	"	"	"	"	"	"	

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Enid Dunmire, Project Manager

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: *NA*	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:48

Total Metals by EPA 6000/7000 Series Methods

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-F (KRB0385-01) Soil Sampled: 02/20/08 08:30 Received: 02/20/08 17:35									
Arsenic	11	1.2	mg/kg dry	5	8022206	02/22/08	02/25/08	EPA 7060A	
Mercury	ND	0.100	"	1	8022514	02/25/08	02/26/08	EPA 7471A	G02
Thallium	0.16	0.10	"	"	8022206	02/22/08	02/22/08	EPA 7841	

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:48

Organochlorine Pesticides by EPA Method 8081A

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-F (KRB0385-01) Soil Sampled: 02/20/08 08:30 Received: 02/20/08 17:35									**P, P1**
Aldrin	ND	1.0	ug/kg dry	1	8022504	02/25/08	02/26/08	EPA 8081A	
alpha-BHC	ND	1.0	"	"	"	"	"	"	
beta-BHC	ND	1.0	"	"	"	"	"	"	
delta-BHC	ND	1.0	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.0	"	"	"	"	"	"	
Chlordane (tech)	ND	20	"	"	"	"	"	"	
alpha-Chlordane	ND	2.0	"	"	"	"	"	"	
gamma-Chlordane	ND	2.0	"	"	"	"	"	"	
4,4'-DDD	ND	6.0	"	"	"	"	"	"	
4,4'-DDE	ND	2.0	"	"	"	"	"	"	
4,4'-DDT	ND	6.0	"	"	"	"	"	"	GCRPD
Dieldrin	ND	2.0	"	"	"	"	"	"	G04
Endosulfan I	ND	2.0	"	"	"	"	"	"	
Endosulfan II	ND	2.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	6.0	"	"	"	"	"	"	
Endrin	ND	2.0	"	"	"	"	"	"	G04
Endrin aldehyde	ND	6.0	"	"	"	"	"	"	
Endrin ketone	ND	6.0	"	"	"	"	"	"	
Heptachlor	ND	1.0	"	"	"	"	"	"	G04
Heptachlor epoxide	ND	1.0	"	"	"	"	"	"	
Methoxychlor	ND	20	"	"	"	"	"	"	
Toxaphene	*ND*	*80*	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*73.5 %*	*53-110*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*39.2 %*	*22-110*		"	"	"	"	

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Enid Dunmire, Project Manager

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: *NA*	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:48

Polychlorinated Biphenyls by EPA Method 8082

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-F (KRB0385-01) Soil Sampled: 02/20/08 08:30 Received: 02/20/08 17:35									
PCB-1016	ND	50	ug/kg dry	1	8022504	02/25/08	02/26/08	EPA 8082	
PCB-1221	ND	50	"	"	"	"	"	"	
PCB-1232	ND	50	"	"	"	"	"	"	
PCB-1242	ND	50	"	"	"	"	"	"	
PCB-1248	ND	50	"	"	"	"	"	"	
PCB-1254	ND	50	"	"	"	"	"	"	
PCB-1260	ND	50	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*76.3 %*		*43-112*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*48.2 %*		*17-110*	"	"	"	"	

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Enid Dummire, Project Manager

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Envirotech Consultants, LLC *216 Little Falls Road (Units 13-14)* Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:48

Volatile Organic Compounds by EPA Method 8260B

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-F (KRB0385-01) Soil Sampled: 02/20/08 08:30 Received: 02/20/08 17:35									
Acetone	ND	9800	ug/kg dry	50	8022108	02/21/08	02/26/08	EPA 8260B	
Benzene	ND	390	"	"	"	"	"	"	
Bromodichloromethane	ND	390	"	"	"	"	"	"	
Bromoform	ND	390	"	"	"	"	"	"	
Bromomethane	ND	390	"	"	"	"	"	"	
2-Butanone	ND	9800	"	"	"	"	"	"	
Carbon disulfide	ND	390	"	"	"	"	"	"	
Carbon tetrachloride	ND	390	"	"	"	"	"	"	
Chlorobenzene	ND	390	"	"	"	"	"	"	
Chlorodibromomethane	ND	390	"	"	"	"	"	"	
Chloroethane	ND	390	"	"	"	"	"	"	
Chloroform	ND	390	"	"	"	"	"	"	
Chloromethane	ND	980	"	"	"	"	"	"	
1,1-Dichloroethane	ND	390	"	"	"	"	"	"	
1,2-Dichloroethane	ND	390	"	"	"	"	"	"	
1,1-Dichloroethene	ND	390	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	390	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	390	"	"	"	"	"	"	
1,2-Dichloropropane	ND	390	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	390	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	390	"	"	"	"	"	"	
Ethylbenzene	ND	390	"	"	"	"	"	"	
2-Hexanone	ND	980	"	"	"	"	"	"	
Methylene chloride	ND	790	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	980	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	390	"	"	"	"	"	"	
Styrene	ND	390	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	390	"	"	"	"	"	"	
Tetrachloroethene	ND	390	"	"	"	"	"	"	
Toluene	ND	390	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	390	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	390	"	"	"	"	"	"	
Trichloroethene	ND	390	"	"	"	"	"	"	

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Enid Dunmire, Project Manager

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Envirotech Consultants, LLC *216 Little Falls Road (Units 13-14)* Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:48

Volatile Organic Compounds by EPA Method 8260B

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-F (KRB0385-01) Soil Sampled: 02/20/08 08:30 Received: 02/20/08 17:35									
Trichlorofluoromethane	ND	390	ug/kg dry	50	8022108	02/21/08	02/26/08	EPA 8260B	
Vinyl chloride	ND	390	"	"	"	"	"	"	
Xylenes (total)	ND	1200	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.7 %*	*42.6-163*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*48.2-167*		"	"	"	"	
Surrogate: Toluene-d8		*98.2 %*	*41.6-167*		"	"	"	"	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:48

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-F (KRB0385-01) Soil Sampled: 02/20/08 08:30 Received: 02/20/08 17:35									
Acenaphthene	ND	100	ug/kg dry	1	8022524	02/26/08	02/27/08	EPA 8270C	
Acenaphthylene	ND	100	"	"	"	"	"	"	
Aniline	ND	100	"	"	"	"	"	"	
Anthracene	ND	100	"	"	"	"	"	"	
Benzoic acid	ND	500	"	"	"	"	"	"	
Benzo (a) anthracene	270	100	"	"	"	"	"	"	
Benzo (a) pyrene	230	100	"	"	"	"	"	"	
Benzo (b) fluoranthene	300	100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	160	100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	100	"	"	"	"	"	"	
Benzyl alcohol	ND	100	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	100	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	100	"	"	"	"	"	"	
4-Chloroaniline	ND	100	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	100	"	"	"	"	"	"	
2-Chloronaphthalene	ND	100	"	"	"	"	"	"	
2-Chlorophenol	ND	100	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Chrysene	250	100	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	100	"	"	"	"	"	"	
Dibenzofuran	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	500	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	100	"	"	"	"	"	"	
Diethyl phthalate	ND	100	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	100	"	"	"	"	"	"	
Dimethyl phthalate	ND	100	"	"	"	"	"	"	

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:48

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-F (KRB0385-01) Soil Sampled: 02/20/08 08:30 Received: 02/20/08 17:35									
Di-n-butyl phthalate	ND	330	ug/kg dry	1	8022524	02/26/08	02/27/08	EPA 8270C	
4,6-Dinitro-2-methylphenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	100	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	100	"	"	"	"	"	"	
Diphenylamine	ND	100	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	100	"	"	"	"	"	"	
Fluoranthene	490	100	"	"	"	"	"	"	
Fluorene	ND	100	"	"	"	"	"	"	
Hexachlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	100	"	"	"	"	"	"	
Hexachloroethane	ND	100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	170	100	"	"	"	"	"	"	
Isophorone	ND	100	"	"	"	"	"	"	
2-Methylnaphthalene	ND	100	"	"	"	"	"	"	
2-Methylphenol	ND	100	"	"	"	"	"	"	
3&4-Methylphenol	ND	100	"	"	"	"	"	"	
Naphthalene	ND	100	"	"	"	"	"	"	
2-Nitroaniline	ND	500	"	"	"	"	"	"	
3-Nitroaniline	ND	500	"	"	"	"	"	"	
4-Nitroaniline	ND	500	"	"	"	"	"	"	
Nitrobenzene	ND	100	"	"	"	"	"	"	
2-Nitrophenol	ND	100	"	"	"	"	"	"	
4-Nitrophenol	ND	500	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	100	"	"	"	"	"	"	
Pentachlorophenol	ND	500	"	"	"	"	"	"	
Phenanthrene	250	100	"	"	"	"	"	"	
Phenol	ND	100	"	"	"	"	"	"	
Pyrene	470	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	500	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	100	"	"	"	"	"	"	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:48

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-F (KRB0385-01) Soil Sampled: 02/20/08 08:30 Received: 02/20/08 17:35									
Surrogate: 2-Fluorophenol		*82.6 %*		*25-121*	*8022524*	*02/26/08*	*02/27/08*	*EPA 8270C*	
Surrogate: Phenol-d6		*82.0 %*		*24-113*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*76.0 %*		*23-120*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*87.6 %*		*30-115*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*100 %*		*19-122*	"	"	"	"	
Surrogate: Terphenyl-d14		*110 %*		*18-137*	"	"	"	"	

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Enid Dunmire, Project Manager

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:48

General Chemistry

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-F (KRB0385-01) Soil Sampled: 02/20/08 08:30 Received: 02/20/08 17:35									
% Solids	88.8	0.01	% by Weight	1	8022202	02/22/08	02/22/08	EPA 160.3	

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Enid Dunmire, Project Manager

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Envirotech Consultants, LLC *216 Little Falls Road (Units 13-14)* Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:48

MCAWW 160.3 MOD

TestAmerica North Canton

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-F (KRB0385-01) Soil Sampled: 02/20/08 08:30 Received: 02/20/08 17:35									
Percent Solids	89.5	10	%	1	8053288	02/22/08	02/25/08	MCAWW 160.3 MOD	

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Enid Dunmire, Project Manager

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: *NA*	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:48

SM18 4500-CN E

TestAmerica North Canton

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-F (KRB0385-01) Soil Sampled: 02/20/08 08:30 Received: 02/20/08 17:35									
Total Cyanide	ND	0.5	mg/kg	1	8056339	02/25/08	02/25/08	SM18 4500-CN E	

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Enid Dunmire, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:48

Notes and Definitions

P1	The average response factor met method criteria for the check standard following this sample however these compounds were high: DDD
P	The average response factor met method criteria for the check standard following this sample however these compounds were low: Heptachlr, Methoxychlor, Endrin Aldehyde, Endrin Ketone, DDT
GCRPD	The RPD between the primary and secondary columns was greater than the method specified RPD of 40%.
G04	The laboratory control spike recoveries associated with this sample were below the laboratory's established acceptance criteria.
G02	The matrix QC recoveries associated with this sample were below the laboratory's established acceptance criteria.
B	The blank associated with this sample contained 0.775ppm of this compound.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

ENVIROTECH Consultants, LLC.
216 Little Falls Road
Cedar Grove, NJ 07009
Tel. (973) 571-2202 Fax (973) 571-2203

CHAIN OF CUSTODY RECORD

Page 1 of 1

SITE NAME: CHURCHILL ESTATE
ADDRESS: 87-19 CHURCHILL ROAD, NORTH BERGEN, NJ

Envirotech Sample ID	Laboratory ID	Sample Matrix	# of Jars	Date and Time Collected		Collected By	Sample Location	Analysis Requested	MeOH Jar #
S-		Soil	5	2-20-08	8:30	AA	ONSITE	PP+QD KRA0385-01	33.83

Notes: * EDD REQUIRED

Turnaround Time: STANDARD

RUSH (days or hours):

Analytical Data Deliverables (encircle): Full Deliverables (NJAC 7:26E-2.1) / Reduced Deliverables (NJAC 7:26E-2.1) / CLP-I or CLP-II (USEPA) / Other (specified below)

Relinquished by (1): Alex Arnold — Organization: E.C.L. — Date/Time: 2-20-08

Received by (1): Lusha Smith — Organization: Test America — Date/Time: 2/20/08 1735

Relinquished by (2): Lusha Smith — Organization: Test America — Date/Time: 2/20/08 1925

Received by (2): Fed Ex #8012 7970 5276 — Organization: Fed Ex — Date/Time: 2/20/08 1925

Relinquished by (3): Fed Ex — Organization: — Date/Time: 2/21/08

Received by (3): [signature] — Organization: TA-KOP — Date/Time: 2/21/08 11:00

Request for change(s): CP

Quote No: 61073
Case No:
Job No: PROJECT MANAGER: ALEX ARNOLD

4/24/2008 4:43 PM FROM: Fax Filco Industries, Inc. TO: 1-201-945-4234 PAGE: 018 OF 034

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27 February 2008

Envirotech Consultants, LLC

Alex Arcega
216 Little Falls Road (Units 13-14)
Cedar Grove, NJ 07009

RE: Churchill Estate - 8719 Churchill Rd.

Enclosed are the results of analyses for samples received by the laboratory on 02/20/08 17:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Enid Dunnie

Project Manager

TestAmerica

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1008 W 9th Ave - King of Prussia, Pa 19406

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
3-E	KRB0386-01	Soil	02/20/08 08:15	02/20/08 17:35

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:49

Priority Pollutant Metals by EPA 6000/7000 Series Methods

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRB0356-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Antimony	ND	5.0	mg/kg dry	1	8022207	02/22/08	02/26/08	EPA 6010B	
Beryllium	1.5	0.20	"	"	"	"	"	"	
Cadmium	1.4	0.20	"	"	"	"	"	"	
Chromium	35	1.0	"	"	"	"	"	"	
Copper	55	0.50	"	"	"	"	"	"	B
Lead	230	5.0	"	"	"	"	"	"	
Nickel	22	2.5	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	2.5	"	"	"	"	"	"	
Zinc	280	1.0	"	"	"	"	"	"	

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Enid Dummire, Project Manager

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Envirotech Consultants, LLC *216 Little Falls Road (Units 13-14)* Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. *Project Number:* NA Project Manager: Alex Arcega	Reported: 02/27/08 15:49

Total Metals by EPA 6000/7000 Series Methods

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRB0396-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Arsenic	10	1.2	mg/kg dry	5	8022206	02/22/08	02/25/08	EPA 7060A	
Mercury	ND	0.100	"	1	8022514	02/25/08	02/26/08	EPA 7471A	
Thallium	0.17	0.10	"	"	8022206	02/22/08	02/22/08	EPA 7841	

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Enid Dunmire, Project Manager

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Envirotech Consultants, LLC
216 Little Falls Road (Units 13-14)
Cedar Grove NJ, 07009

Project: Churchill Estate - 8719 Churchill Rd.
Project Number: NA
Project Manager: Alex Arcega

Reported:
02/27/08 15:49

Organochlorine Pesticides by EPA Method 8081A

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S E (KRB0386-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									P, P1
Aldrin	ND	1.0	ug/kg dry	1	8022504	02/25/08	02/26/08	EPA 8081A	
alpha-BHC	ND	1.0	"	"	"	"	"	"	
beta-BHC	ND	1.0	"	"	"	"	"	"	
delta-BHC	ND	1.0	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	1.0	"	"	"	"	"	"	
Chlordane (tech)	ND	20	"	"	"	"	"	"	
alpha-Chlordane	ND	2.0	"	"	"	"	"	"	
gamma-Chlordane	ND	2.0	"	"	"	"	"	"	
4,4'-DDD	ND	6.0	"	"	"	"	"	"	
4,4'-DDE	ND	2.0	"	"	"	"	"	"	
4,4'-DDT	ND	6.0	"	"	"	"	"	"	GCRPD
Dieldrin	ND	2.0	"	"	"	"	"	"	G04
Endosulfan I	ND	2.0	"	"	"	"	"	"	
Endosulfan II	ND	2.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	6.0	"	"	"	"	"	"	
Endrin	ND	2.0	"	"	"	"	"	"	G04
Endrin aldehyde	ND	6.0	"	"	"	"	"	"	
Endrin ketone	ND	6.0	"	"	"	"	"	"	
Heptachlor	ND	1.0	"	"	"	"	"	"	G04
Heptachlor epoxide	ND	1.0	"	"	"	"	"	"	
Methoxychlor	ND	20	"	"	"	"	"	"	
Toxaphene	ND	80	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*87.4 %*	*53-110*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*38.3 %*	*22-110*		"	"	"	"	

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Enid Dunmire, Project Manager

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:49

Polychlorinated Biphenyls by EPA Method 8082

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
N E (KRB0386-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									A-01, PRLM
PCB-1016	ND	50	ug/kg dry	1	8022504	02/25/08	02/26/08	EPA 8082	
PCB-1221	ND	50	"	"	"	"	"	"	
PCB-1232	ND	50	"	"	"	"	"	"	
PCB-1242	ND	50	"	"	"	"	"	"	
PCB-1248	ND	50	"	"	"	"	"	"	
PCB-1254	ND	50	"	"	"	"	"	"	
PCB-1260	ND	50	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*85.4 %*	*43-112*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*50.0 %*	*17-110*		"	"	"	"	

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:49

Volatile Organic Compounds by EPA Method 8260B

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S E (KRB0386-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Acetone	ND	9700	ug/kg dry	50	8022211	02/22/08	02/26/08	EPA 8260B	
Benzene	ND	390	"	"	"	"	"	"	
Bromodichloromethane	ND	390	"	"	"	"	"	"	
Bromoform	ND	390	"	"	"	"	"	"	
Bromomethane	ND	390	"	"	"	"	"	"	
2-Butanone	ND	9700	"	"	"	"	"	"	
Carbon disulfide	ND	390	"	"	"	"	"	"	
Carbon tetrachloride	ND	390	"	"	"	"	"	"	
Chlorobenzene	ND	390	"	"	"	"	"	"	
Chlorodibromomethane	ND	390	"	"	"	"	"	"	
Chloroethane	ND	390	"	"	"	"	"	"	
Chloroform	ND	390	"	"	"	"	"	"	
Chloromethane	ND	970	"	"	"	"	"	"	
1,1-Dichloroethane	ND	390	"	"	"	"	"	"	
1,2-Dichloroethane	ND	390	"	"	"	"	"	"	
1,1-Dichloroethene	ND	390	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	390	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	390	"	"	"	"	"	"	
1,2-Dichloropropane	ND	390	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	390	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	390	"	"	"	"	"	"	
Ethylbenzene	ND	390	"	"	"	"	"	"	
2-Hexanone	ND	970	"	"	"	"	"	"	
Methylene chloride	ND	780	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	970	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	390	"	"	"	"	"	"	
Styrene	ND	390	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	390	"	"	"	"	"	"	
Tetrachloroethene	ND	390	"	"	"	"	"	"	
Toluene	ND	390	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	390	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	390	"	"	"	"	"	"	
Trichloroethene	ND	390	"	"	"	"	"	"	

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Enid Dunmire, Project Manager

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Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
116 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:49

Volatile Organic Compounds by EPA Method 8260B

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRB03% 41) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Trichlorofluoromethane	ND	390	ug/kg dry	50	8022211	02/22/08	02/26/08	EPA 8260B	
Vinyl chloride	ND	390	"	"	"	"	"	"	
Xylenes (total)	ND	1200	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*		*42.6-163*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*		*48.2-167*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*41.6-167*	"	"	"	"	

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Enid Dunmire, Project Manager

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Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:49

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRB6386-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Acenaphthene	ND	100	ug/kg dry	1	8022524	02/26/08	02/27/08	EPA 8270C	
Acenaphthylene	ND	100	"	"	"	"	"	"	
Aniline	ND	100	"	"	"	"	"	"	
Anthracene	ND	100	"	"	"	"	"	"	
Benzoic acid	ND	500	"	"	"	"	"	"	
Benzo (a) anthracene	**150**	100	"	"	"	"	"	"	
Benzo (a) pyrene	**130**	100	"	"	"	"	"	"	
Benzo (b) fluoranthene	**160**	100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	100	"	"	"	"	"	"	
Benzyl alcohol	ND	100	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	100	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	100	"	"	"	"	"	"	
4-Chloroaniline	ND	100	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	100	"	"	"	"	"	"	
2-Chloronaphthalene	ND	100	"	"	"	"	"	"	
2-Chlorophenol	ND	100	"	"	"	"	"	"	G02
4-Chlorophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Chrysene	**140**	100	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	100	"	"	"	"	"	"	
Dibenzofuran	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	G02
3,3'-Dichlorobenzidine	ND	500	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	100	"	"	"	"	"	"	
Diethyl phthalate	ND	100	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	100	"	"	"	"	"	"	
Dimethyl phthalate	ND	100	"	"	"	"	"	"	

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1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9002 - FAX (610) 337-9003

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
[illegible]	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:49

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (K8H0296-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Di-n-butyl phthalate	ND	330	ug/kg dry	1	B022524	02/26/08	02/27/08	EPA 8270C	
4,6-Dinitro-2-methylphenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	100	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	100	"	"	"	"	"	"	
Diphenylamine	ND	100	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	100							
Fluoranthene	260	100	"	"	"	"	"	"	G02
Fluorene	ND	100	"	"	"	"	"	"	
Hexachlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	100	"	"	"	"	"	"	
Hexachloroethane	ND	100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	100	"	"	"	"	"	"	
Isophorone	ND	100	"	"	"	"	"	"	
2-Methylnaphthalene	ND	100	"	"	"	"	"	"	
2-Methylphenol	ND	100	"	"	"	"	"	"	
3&4-Methylphenol	ND	100	"	"	"	"	"	"	
Naphthalene	ND	100	"	"	"	"	"	"	G02
2-Nitroaniline	ND	500	"	"	"	"	"	"	
3-Nitroaniline	ND	500	"	"	"	"	"	"	
4-Nitroaniline	ND	500	"	"	"	"	"	"	
Nitrobenzene	ND	100	"	"	"	"	"	"	
2-Nitrophenol	ND	100	"	"	"	"	"	"	
4-Nitrophenol	ND	500	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	100	"	"	"	"	"	"	
Pentachlorophenol	ND	500	"	"	"	"	"	"	
Phenanthrene	150	100	"	"	"	"	"	"	G02
Phenol	ND	100	"	"	"	"	"	"	G02
Pyrene	250	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	G02
2,4,5-Trichlorophenol	ND	500	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	100	"	"	"	"	"	"	

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Enid Dunmire, Project Manager

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(610) 337-9037 - FAX (610) 337-9038

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
[illegible]	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:49

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KR15235-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Surrogate: 2-Fluorophenol		*86.0 %*		*25-121*	*8022524*	*02/26/08*	*02/27/08*	*EPA 8270C*	
Surrogate: Phenol-d6		*83.8 %*		*24-113*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*80.6 %*		*23-120*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*91.8 %*		*30-115*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*94.4 %*		*19-122*	"	"	"	"	
Surrogate: Terphenyl-d14		*103 %*		*18-137*	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Enid Dunmire, Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406

(610) 777-0997 - FAX (610) 777-0919

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
[illegible]	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:49

General Chemistry

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-1 (KRB0336-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
% Solids	89.6	0.01	% by Weight	1	8022202	02/22/08	02/22/08	EPA 160.3	

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Enid Dunmire, Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406

(610) 337-0697 - FAX (610) 337-0930

Envirotech Consultants, LLC
[illegible]
Cedar Grove NJ, 07009

Project: Churchill Estate - 8719 Churchill Rd.
Project Number: NA
Project Manager: Alex Arcega

02/27/08 15:49

MCAWW 160.3 MOD

TestAmerica North Canton

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E ([illegible]-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Percent Solids	87.2	10	%	1	B053288	02/22/08	02/25/08	MCAWW 160.3 MOD	

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Enid Dunmire, Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406

(610) 337-0922 , FAX (610) 337-0019

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
[illegible]	Project Number: NA	
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:49

SM18 4500-CN E

TestAmerica North Canton

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-1 (K8B0356-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Total Cyanide	ND	0.5	mg/kg	1	B056339	02/25/08	02/25/08	SM18 4500-CN E	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-0092 - FAX (610) 337-0030

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
[illegible]	Project Number: NA	[illegible]
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:49

Notes and Definitions

PRLM	Preliminary results
P1	The average response factor met method criteria for the check standard following this sample however these compounds were high: DDD
P	The average response factor met method criteria for the check standard following this sample however these compounds were low: Heptachlor, Methoxychlor, Endrin Aldehyde, Endrin Ketone, DDT
(CRPD)	The RPD between the primary and secondary columns was greater than the method specified RPD of 40%.
[illegible]	[illegible]
G02	The matrix QC recoveries associated with this sample were below the laboratory's established acceptance criteria.
B	The blank associated with this sample contained 0.775ppm of this compound.
A-01	needs ms/msd
[illegible]	[illegible]
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Enid Dunmire, Project Manager

[illegible] Consultant, LLC
[illegible]
[illegible]
[illegible] Fax [illegible]

CHAIN OF CUSTODY RECORD

Page 1 of 1

SITE NAME: [illegible] ESTATE
ADDRESS: [illegible]

Sample Number	Laboratory ID	Sample Matrix	# of Jars	Date and Time Collected	Collected By	Sample Location	Analysis Requested	MeOH Jar #
[illegible]		[illegible]	5	2-20-08 8:15	AQ	ON SITE	[illegible]	33-[illegible]

Notes: [illegible] RESPONSE

Turnaround Time: STANDARD

RUSH (days or hours):

Analytical Data Delivered to Balancing:
Full Deliverables (UAC 126E-2.1) Reduced Deliverable (UAC 126F-2.1) CLP-I or CLP-II (USEPA) Other (specified below)

Relinquished by (1): [illegible] Organization: E.L.C. Date/Time: 2-21-08 Request for change(s): 0

Received by (1): [illegible] Organization: Test America Date/Time: 2/20/08 1735

Relinquished by (2): [illegible] Organization: Test America Date/Time: 2/20/08 1935

Received by (2): [illegible] Organization: [illegible] Date/Time: 2/20/08 1935

Relinquished by (3): [illegible] Organization: Date/Time:

Received by (3): [illegible] Organization: TA [illegible] Date/Time: [illegible]/08 [illegible]

Quote No: 61073
Date to:
[illegible]

ENVIROTECH Consultants, LLC

216 LITTLE FALLS ROAD
CEDAR GROVE, NJ 07009
TEL (973) 571-2202 FAX (973) 571-2203

2931 WHITTINGTON AVENUE
BALTIMORE, MD 21230
TEL (410) 625-0045 FAX (410) 525-8644

Via Regular Mail

December 10, 2008

John Masterangelo
CHR Partners, LLC
87-19 Church Hill Road
North Bergen, New Jersey

Re: Lab Results of Soil Samples from
Church Hill Estate – CHR Partners, LLC
87-19 Church Hill Road
North Bergen, New Jersey

Dear Mr. Masterangelo:

Envirotech Consultants, LLC ("Envirotech") was retained to perform soil sampling at the above-referenced facility on February 20, 2008. Per request of Mr. Colin Machleder of FILCO, Envirotech collected samples S-E and S-F from the soils along the east side embankment of Church Hill Road at the area of former stone retaining wall and the proposed new retaining wall location.

Per Mr. Machleder's instructions, the samples were collected and analyzed for Priority Pollutant plus 40 (PP+40). The samples were collected by Envirotech personnel and analyzed by Test America, King of Prussia, PA.

The analytical results indicated that the contaminant levels were all in compliance with the NJDEP – Residential Direct Contact (RDC) Soil Cleanup Criteria (SCC). (See attached summary tables.)

If you need additional information or have any questions please call the undersigned at (973) 571-2202.

Sincerely,

Envirotech Consultants, LLC
Alex S. Arcega, P.G.
Senior Geologist

Attachment
1) Summary Tables/Analytical Results

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

27 February 2008

Envirotech Consultants, LLC

Alex Arcega
216 Little Falls Road (Units 13-14)
Cedar Grove, NJ 07009

RE: Churchill Estate - 8719 Churchill Rd.

Enclosed are the results of analyses for samples received by the laboratory on 02/20/08 17:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Enid Dunmire
Project Manager

Soil Sampling Results
February 20, 2008
Churchill Estate
8719 Churchill Road
North Bergen, New Jersey

Field ID:	S-E	NJDEP
Laboratory Sampling ID:	KRB0386-01	RDCSCC
Sample Date:	2/20/08	
Soil Sampling Interval (ft):		
Unit:	ppm	ppm
Priority Pollutant Metals:		
Antimony	ND	14
Arsenic	10	20
Beryllium	1.5	2
Cadmium	1.4	39
Chromium	35	*
Copper	55	600
Lead	230	400
Mercury	ND	14
Nickel	22	250
Selenium	ND	63
Silver	ND	110
Thallium	0.17	2
Zinc	280	1500
Cyanide:	ND	1100
Organochlorine Pesticides:	ND	-
Polychlorinated Biphenyls:	ND	-
Volatile Organics:	ND	-
VO TICs:		-
Base Neutrals:		
Benzo (a) anthracene	0.15	0.9
Benzo (a) pyrene	0.13	0.66
Benzo (b) fluoranthene	0.16	0.9
Chrysene	0.14	9
Fluoranthene	0.26	2300
Phenanthrene	0.15	-
Pyrene	0.25	1700
BN TICs:		
Total BN TICs:		-

Notes:
ND= Not Detected
ppm= Parts per million or mg/kg
RDC = Residential Direct Contact
VO= Volatile Organics
TICS = Tentatively Identified Compounds
SCC = Soil Clean-up Criteria
BN= Base Neutrals
* = RDCSCC for hexavalent chromium is 240 ppm
RDCSCC for trivalent chromium is 120,000 ppm
Test America Laboratories of King of Prussia, PA conducted analyses of soil samples.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406

(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-E	KRB0386-01	Soil	02/20/08 08:15	02/20/08 17:35

TestAmerica King Of Prussia

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Enid Dunmire, Project Manager

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1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:49

Priority Pollutant Metals by EPA 6000/7000 Series Methods

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRB0386-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Antimony	ND	5.0	mg/kg dry	1	8022207	02/22/08	02/26/08	EPA 6010B	
Beryllium	1.6	0.20	"	"	"	"	"	"	
Cadmium	1.4	0.20	"	"	"	"	"	"	
Chromium	35	1.0	"	"	"	"	"	"	
Copper	55	0.50	"	"	"	"	"	"	B
Lead	230	5.0	"	"	"	"	"	"	
Nickel	22	2.5	"	"	"	"	"	"	
Selenium	ND	2.5	"	"	"	"	"	"	
Silver	ND	2.5	"	"	"	"	"	"	
Zinc	280	1.0	"	"	"	"	"	"	

TestAmerica King Of Prussia

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Enid Dunmire, Project Manager

TestAmerica

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(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:49

Total Metals by EPA 6000/7000 Series Methods

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRB0386-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Arsenic	10	1.2	mg/kg dry	5	8022206	02/22/08	02/25/08	EPA 7060A	
Mercury	ND	0.100	"	1	8022514	02/25/08	02/26/08	EPA 7471A	
Thallium	0.17	0.10	"	"	8022206	02/22/08	02/22/08	EPA 7841	

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Enid Dunmire, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcoga	Reported: 02/27/08 15:49

Volatile Organic Compounds by EPA Method 8260B

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRB0386-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Acetone	ND	9700	ug/kg dry	50	8022211	02/22/08	02/26/08	EPA 8260B	
Benzene	ND	390	"	"	"	"	"	"	
Bromodichloromethane	ND	390	"	"	"	"	"	"	
Bromoform	ND	390	"	"	"	"	"	"	
Bromomethane	ND	390	"	"	"	"	"	"	
2-Butanone	ND	9700	"	"	"	"	"	"	
Carbon disulfide	ND	390	"	"	"	"	"	"	
Carbon tetrachloride	ND	390	"	"	"	"	"	"	
Chlorobenzene	ND	390	"	"	"	"	"	"	
Chlorodibromomethane	ND	390	"	"	"	"	"	"	
Chloroethane	ND	390	"	"	"	"	"	"	
Chloroform	ND	390	"	"	"	"	"	"	
Chloromethane	ND	970	"	"	"	"	"	"	
1,1-Dichloroethane	ND	390	"	"	"	"	"	"	
1,2-Dichloroethane	ND	390	"	"	"	"	"	"	
1,1-Dichloroethene	ND	390	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	390	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	390	"	"	"	"	"	"	
1,2-Dichloropropane	ND	390	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	390	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	390	"	"	"	"	"	"	
Ethylbenzene	ND	390	"	"	"	"	"	"	
2-Hexanone	ND	970	"	"	"	"	"	"	
Methylene chloride	ND	780	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	970	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	390	"	"	"	"	"	"	
Styrene	ND	390	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	390	"	"	"	"	"	"	
Tetrachloroethene	ND	390	"	"	"	"	"	"	
Toluene	ND	390	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	390	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	390	"	"	"	"	"	"	
Trichloroethene	ND	390	"	"	"	"	"	"	

TestAmerica King Of Prussia

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Enid Dunmire, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:49

Polychlorinated Biphenyls by EPA Method 8082

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRB0386-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									A-01, PRLM
PCB-1016	ND	50	ug/kg dry	1	8022504	02/25/08	02/26/08	EPA 8082	
PCB-1221	ND	50	"	"	"	"	"	"	
PCB-1232	ND	50	"	"	"	"	"	"	
PCB-1242	ND	50	"	"	"	"	"	"	
PCB-1248	ND	50	"	"	"	"	"	"	
PCB-1254	ND	50	"	"	"	"	"	"	
PCB-1260	ND	50	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*85.4 %*		*43-112*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*50.0 %*		*17-110*	"	"	"	"	

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Enid Dunmire, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:49

Volatile Organic Compounds by EPA Method 8260B

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRB0386-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Trichlorofluoromethane	ND	390	ug/kg dry	50	8022211	02/22/08	02/26/08	EPA 8260B	
Vinyl chloride	ND	390	"	"	"	"	"	"	
Xylenes (total)	ND	1200	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*42.6-163*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*48.2-167*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*41.6-167*		"	"	"	"	

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Enid Dunmire, Project Manager

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1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:49

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRB0386-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Di-n-butyl phthalate	ND	330	ug/kg dry	1	8022524	02/26/08	02/27/08	EPA 8270C	
4,6-Dinitro-2-methylphenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	500	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	100	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	100	"	"	"	"	"	"	
Diphenylamine	ND	100	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	100	"	"	"	"	"	"	
Fluoranthene	260	100	"	"	"	"	"	"	G02
Fluorene	ND	100	"	"	"	"	"	"	
Hexachlorobenzene	ND	100	"	"	"	"	"	"	
Hexachlorobutadiene	ND	100	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	100	"	"	"	"	"	"	
Hexachloroethane	ND	100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	100	"	"	"	"	"	"	
Isophorone	ND	100	"	"	"	"	"	"	
2-Methylnaphthalene	ND	100	"	"	"	"	"	"	
2-Methylphenol	ND	100	"	"	"	"	"	"	
3&4-Methylphenol	ND	100	"	"	"	"	"	"	
Naphthalene	ND	100	"	"	"	"	"	"	G02
2-Nitroaniline	ND	500	"	"	"	"	"	"	
3-Nitroaniline	ND	500	"	"	"	"	"	"	
4-Nitroaniline	ND	500	"	"	"	"	"	"	
Nitrobenzene	ND	100	"	"	"	"	"	"	
2-Nitrophenol	ND	100	"	"	"	"	"	"	
4-Nitrophenol	ND	500	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	100	"	"	"	"	"	"	
Pentachlorophenol	ND	500	"	"	"	"	"	"	
Phenanthrene	150	100	"	"	"	"	"	"	G02
Phenol	ND	100	"	"	"	"	"	"	G02
Pyrene	250	100	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	100	"	"	"	"	"	"	G02
2,4,5-Trichlorophenol	ND	500	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	100	"	"	"	"	"	"	

TestAmerica King Of Prussia

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Enid Dunmire, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Enviroteeh Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:49

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRB0386-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Acenaphthene	ND	100	ug/kg dry	1	8022524	02/26/08	02/27/08	EPA 8270C	
Acenaphthylene	ND	100	"	"	"	"	"	"	
Aniline	ND	100	"	"	"	"	"	"	
Anthracene	ND	100	"	"	"	"	"	"	
Benzoic acid	ND	500	"	"	"	"	"	"	
Benzo (a) anthracene	150	100	"	"	"	"	"	"	
Benzo (a) pyrene	130	100	"	"	"	"	"	"	
Benzo (b) fluoranthene	160	100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	100	"	"	"	"	"	"	
Benzyl alcohol	ND	100	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	100	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	100	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	330	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	100	"	"	"	"	"	"	
4-Chloroaniline	ND	100	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	100	"	"	"	"	"	"	
2-Chloronaphthalene	ND	100	"	"	"	"	"	"	
2-Chlorophenol	ND	100	"	"	"	"	"	"	G02
4-Chlorophenyl phenyl ether	ND	100	"	"	"	"	"	"	
Chrysene	140	100	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	100	"	"	"	"	"	"	
Dibenzofuran	ND	100	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	100	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	100	"	"	"	"	"	"	G02
3,3'-Dichlorobenzidine	ND	500	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	100	"	"	"	"	"	"	
Diethyl phthalate	ND	100	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	100	"	"	"	"	"	"	
Dimethyl phthalate	ND	100	"	"	"	"	"	"	

TestAmerica King Of Prussia

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Enid Dunmire, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcoga	02/27/08 15:49

Semivolatile Organic Compounds by EPA Method 8270C

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRB0386-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Surrogate: 2-Fluorophenol		*86.0 %*		*25-121*	*8022534*	*02/26/08*	*02/27/08*	*EPA 8270C*	
Surrogate: Phenol-d6		*83.8 %*		*24-113*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*80.6 %*		*23-120*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*91.8 %*		*30-115*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*94.4 %*		*19-122*	"	"	"	"	
Surrogate: Terphenyl-d14		*103 %*		*18-137*	"	"	"	"	

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Enid Dunmire, Project Manager

TestAmerica
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1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:49

General Chemistry

TestAmerica King Of Prussia

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRB0386-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
% Solids	89.6	0.01	% by Weight	1	8022202	02/22/08	02/22/08	EPA 160.3	

TestAmerica King Of Prussia

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Enid Dunmire, Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406

(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:49

MCAWW 160.3 MOD

TestAmerica North Canton

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRD0386-01) Soil Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Percent Solids	87.2	10	%	1	8053288	02/22/08	02/25/08	MCAWW 160.3 MOD	

TestAmerica King Of Prussia

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Enid Dunmire, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC 216 Little Falls Road (Units 13-14) Cedar Grove NJ, 07009	Project: Churchill Estate - 8719 Churchill Rd. Project Number: NA Project Manager: Alex Arcega	Reported: 02/27/08 15:49

SM18 4500-CN E

TestAmerica North Canton

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-E (KRB0386-01) Soil· Sampled: 02/20/08 08:15 Received: 02/20/08 17:35									
Total Cyanide	ND	0.5	mg/kg	1	8056339	02/25/08	02/25/08	SM18 4500-CN E	

TestAmerica King Of Prussia

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Enid Dunmire, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1008 W 9th Ave - King of Prussia, Pa 19406
(610) 337-9992 - FAX (610) 337-9939

Envirotech Consultants, LLC	Project: Churchill Estate - 8719 Churchill Rd.	
216 Little Falls Road (Units 13-14)	Project Number: NA	Reported:
Cedar Grove NJ, 07009	Project Manager: Alex Arcega	02/27/08 15:49

Notes and Definitions

PRLM	Preliminary results
P1	The average response factor met method criteria for the check standard following this sample however these compounds were high: DDD
P	The average response factor met method criteria for the check standard following this sample however these compounds were low: Heptachlor, Methoxychlor, Endrin Aldehyde, Endrin Ketonw, DDT
GCRPD	The RPD between the primary and secondary columns was greater than the method specified RPD of 40%.
G04	The laboratory control spike recoveries associated with this sample were below the laboratory's established acceptance criteria.
G02	The matrix QC recoveries associated with this sample were below the laboratory's established acceptance criteria.
B	The blank associated with this sample contained 0.775ppm of this compound.
A-01	needs ms/msd
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

TestAmerica King Of Prussia

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Enid Dunmire, Project Manager

ENVIROTECH Consultants, LLC.
216 Little Falls Road
Cedar Grove, NJ 07009
Tel. (973) 571-2202 Fax (973) 571-2203

CHAIN OF CUSTODY RECORD

Page 1 of 1

SITE NAME: CHURCHILL ESTATE
ADDRESS: 87-19 CHURCHILL ROAD, NORTH BERGEN, NJ

Envirotech Sample ID	Laboratory ID	Sample Matrix	# of Jars	Date and Time Collected		Collected By	Sample Location	Analysis Requested	MeOH Jar #
S-E		SOIL	5	2-20-08	8:15	AA	ONSITE	PP+40 KRB0386-01	33.69

Notes: *EDD REQUIRED

Turnaround Time: STANDARD

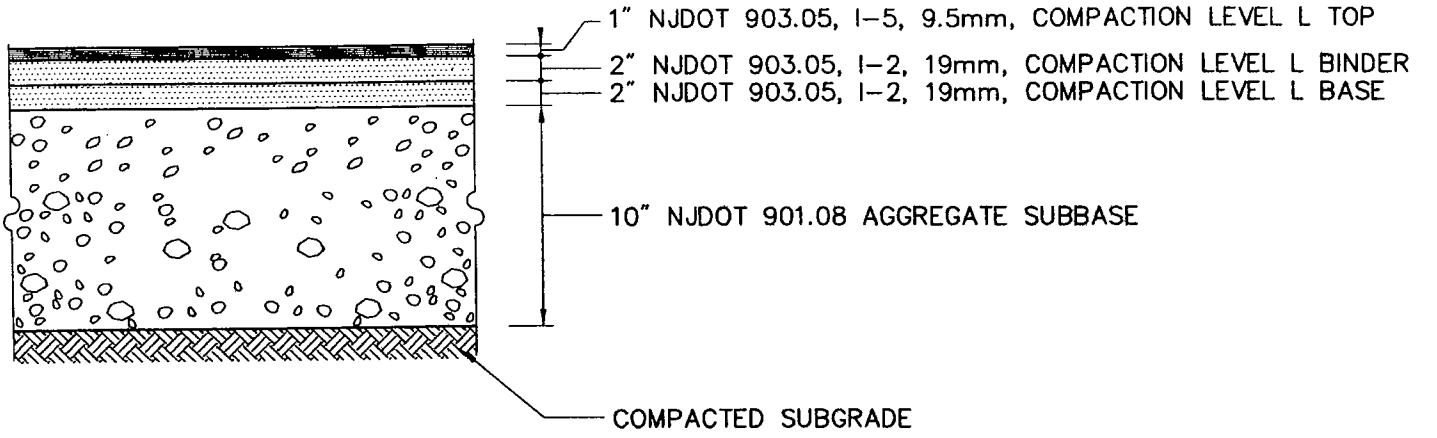
RUSH (days or hours):

Analytical Data Deliverables (encircle): Full Deliverables (NJAC 7:26E-2.1) Reduced Deliverables (NJAC 7:26E-2.1) CLP-I or CLP-II (USEPA) Other (specified below)

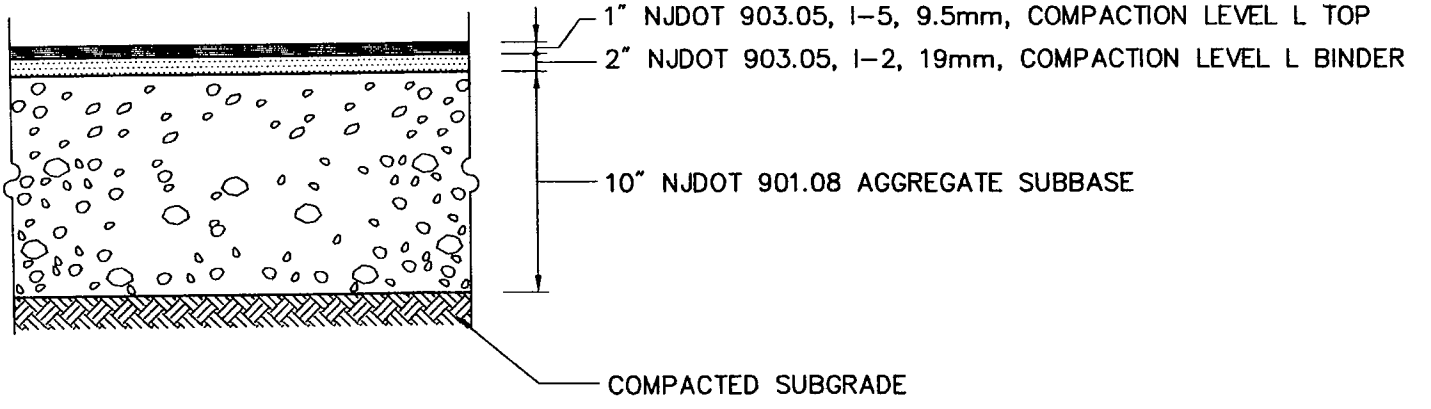
Relinquished by (1): Alex Arrieta	Organization: E.O.C.	Date/Time: 2-20-08	Request for change(s): 0°
Received by (1): Lusha Smith	Organization: Test America	Date/Time: 2/20/08 1735	
Relinquished by (2): Lusha Smith	Organization: Test America	Date/Time: 2/20/08 1925	
Received by (2): Fed Ex #[illegible]	Organization: Fed Ex	Date/Time: 2/20/08 1935	
Relinquished by (3): Fed Ex	Organization:	Date/Time:	Quote No: 61073
Received by (3): [signature]	Organization: TA KOP	Date/Time: 2/21/08 11:00	Case No:
			Job No: PROJECT MANAGER: ALEX ARRIETA

APPENDIX C

CVS DETAILED DRAWINGS



Heavy Duty Flexible Pavement



Standard Duty Flexible Pavement

Note:

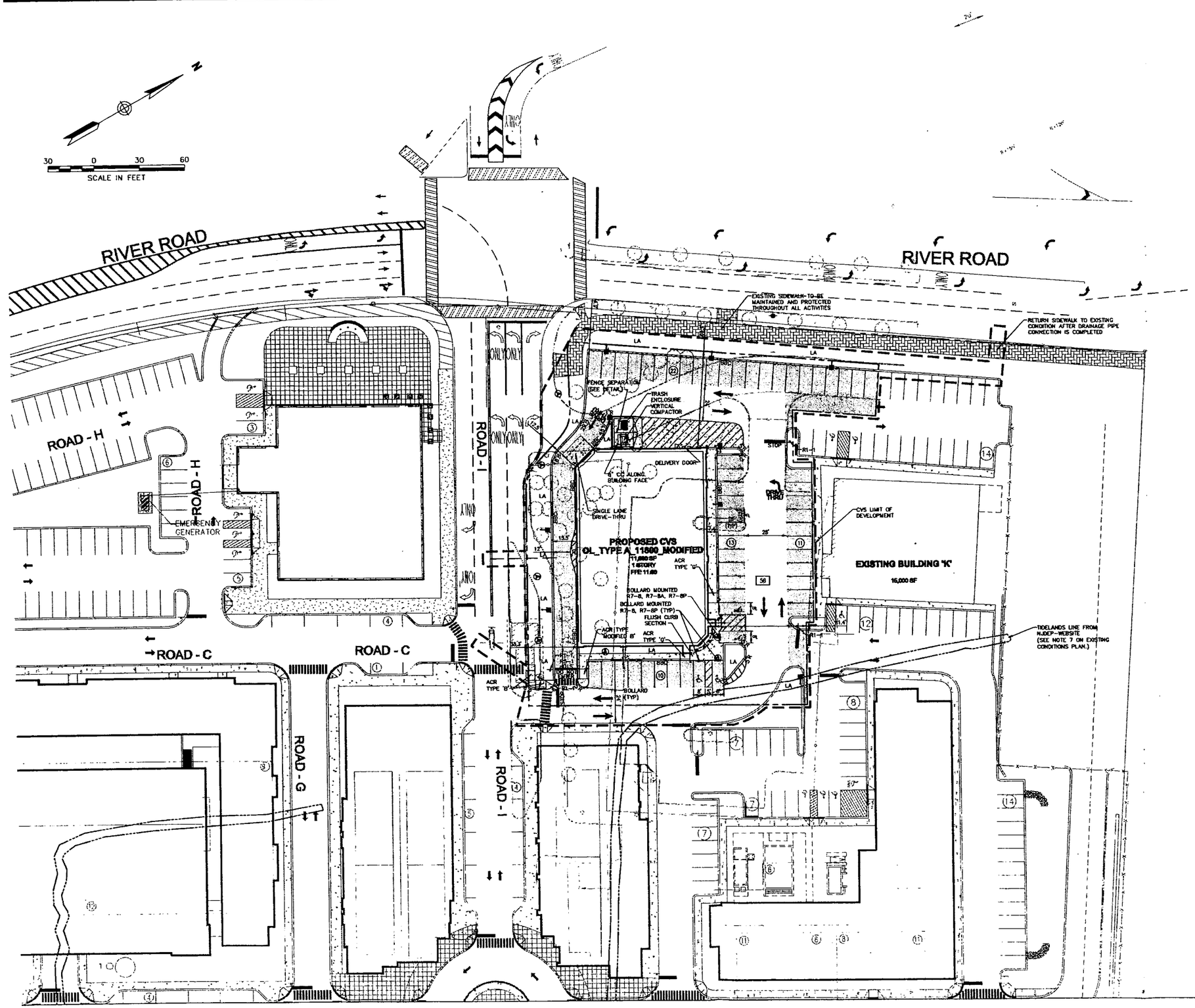
PAVEMENT SECTIONS ARE SUBJECT TO CHANGE AND WILL BE BASED ON THE RESULTS OF FURTHER GEOTECHNICAL INVESTIGATIONS.

THE PAVEMENT SECTIONS ARE BASED UPON THE GEOTECHNICAL INVESTIGATION REPORT BY RANSOM ENVIROMENTAL DATED SEPTEMBER 9, 2008.

Bituminous Concrete Pavement Sections

9/04

N.T.S. Source: VHB REV LD_430



Saved Wednesday, October 14, 2009 12:39:36 PM CORDFINO Plotted Wednesday, October 14, 2009 12:43:24 PM Orofino, Christopher

VHB

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

110 Fieldcrest Avenue
Raritan Plaza I
Edison, New Jersey 08837-3620
732.512.0999 • FAX 732.512.0384

NJ Certificate of Authorization #24GA27957200

Legend

- NEW HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT
- NEW LIGHT DUTY BITUMINOUS CONCRETE PAVEMENT
- CONCRETE SIDEWALK

LA = LANDSCAPED AREAS CONSISTING OF 24 INCHES OF CLEAN FILL/TOPSOIL OVERLYING A GEOTEXTILE MARKER FABRIC.

Sign Summary

M.U.T.C.D. Number	Specification Width	Specification Height	Desc.
R1-1	30"	30"	STOP
R5-1	30"	30"	
R7-8	12"	18"	
R7-8A	12"	6"	
R7-8P	12"	10"	

No.	Revision	Date	Appvd.
1	REV PER RANSOM NOTE REQUEST	10/14/09	DMC

Designed by CJO | Drawn by CJO | Checked by EM
CAD checked by NJG | Approved by DMC
Scale 1"=30' | Date April 29, 2009

Project Title

Proposed Pharmacy
Block: 99 Lot: 1.08

River Road & Old River Road
Edgewater, New Jersey

Issued for

Construction

Issued for Construction

Drawing Title

Layout and Materials Plan

Drawing Number

C-2

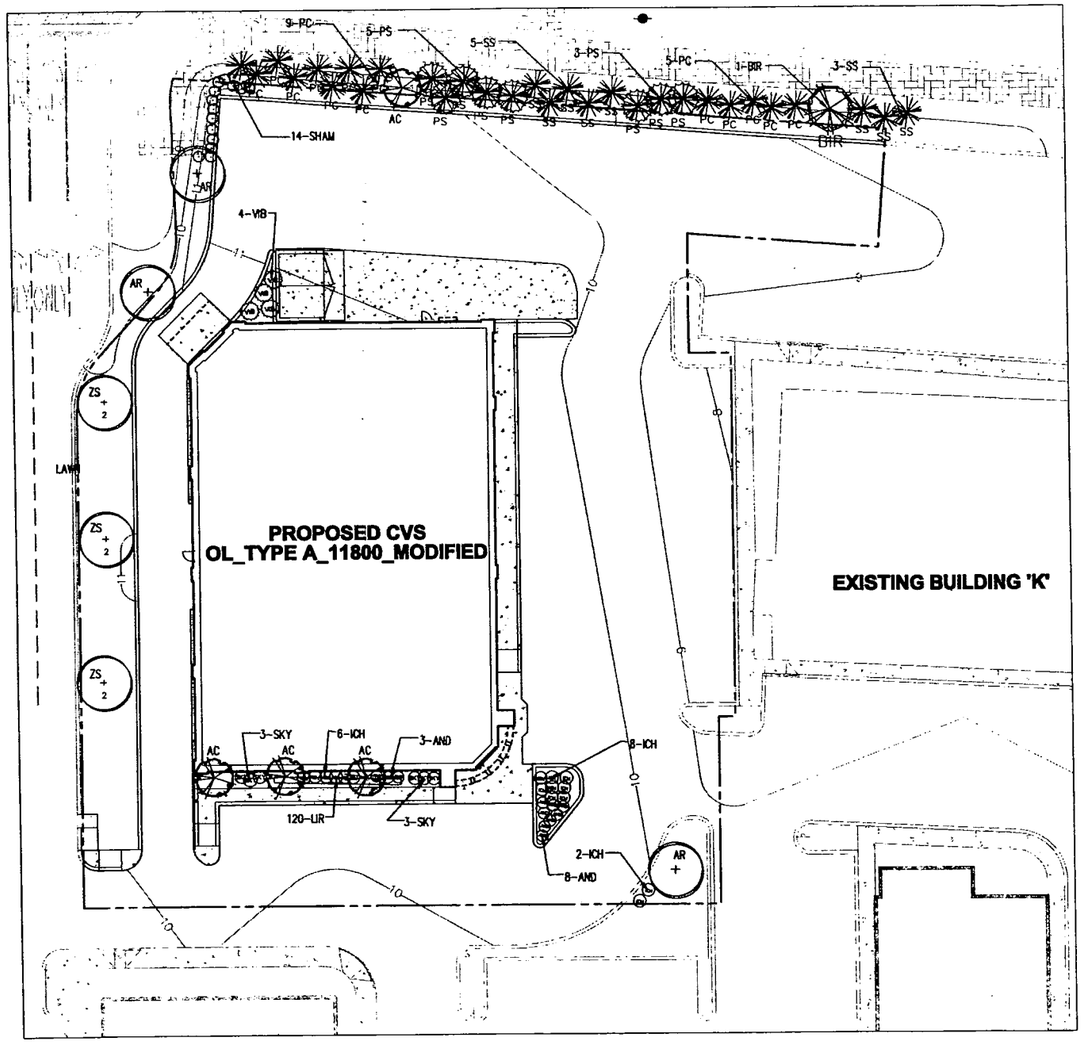
Sheet 3 of 14

David M. Caruso
N.J. Professional Engineer
No. 043776

Project Number 25293.04

25293.04_CONSTRUCTION_PR.DWG

Saved Thursday, October 08, 2009 3:45:50 PM CORONNO Plotted Wednesday, October 14, 2009 12:16:53 PM Orofino, Christopher



PLANT LIST				
QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE
SHADE TREES				
4	AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY MAPLE	2½-3" CAL. (B&B)
3	ZS	ZELKOVA SERRATA 'MUSASHINO'	'MUSASHINO' JAPANESE ZELKOVA	2½-3" CAL. (B&B)
ORNAMENTAL TREES				
4	AC	QUERCOS ROBER 'ATTENTION'	'ATTENTION' ENGLISH OAK	3-3½" CAL. (B&B)
1	BIR	BETULA JACQUEMONTI	HIMALAYAN BIRCH	3-3½" CAL. (B&B)
EVERGREEN TREES				
14	PC	PICEA CANADENSIS	WHITE SPRUCE	7-8' HT. (B&B)
8	PS	PICEA STROBUS	WHITE PINE	7-8' HT. (B&B)
8	SS	PICEA OMORIKA	SERBIAN SPRUCE	7-8' HT. (B&B)
SHRUBS				
11	AND	PIERIS JAPONICA	MOUNTAIN FIRE ANDROMEDA	24-30" (EVRGN)
16	ICH	ILEX 'CHINA GIRL'	CHINA HOLLY	36-42" (EVRGN)
14	SHAM	ILEX GLABRA 'SHAMROCK	SHAMROCK INKBERRY	24-30" (EVRGN)
6	SKY	JUNIPERUS ' SCOPULORUM SKYROCKET'	SKYROCKET JUNIPER	5-6' (EVRGN)
4	VIB	VIBURNUM CARLCEPHALUM	FRAGRANT SNOWBALL VIBURNUM	36-36" (B&B)
PERENNIALS				
120	LIR	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LIRIOPE	1 GAL.

PLANT LEGEND

- AR — ACER RUBRUM 'OCTOBER GLORY'
- ZS — ZELKOVA SERRATA 'MUSASHINO'
- AC — QUERCOS ROBER 'ATTENTION'
- BIR — BETULA JACQUEMONTI
- PC — PICEA CANADENSIS
- PS — PICEA STROBUS
- SS — PICEA OMORIKA
- AND — PIERIS JAPONICA
- ICH — ILEX 'CHINA GIRL'
- SHAM — ILEX ' GLABRA 'SHAMROCK'
- SKY — JUNIPERUS ' SCOPULORUM SKYROCKET'
- VIB — VIBURNUM CARLCEPHALUM

N

20 0 20 40

SCALE IN FEET

VHB

Vanasse Hangen Brustlin, Inc.

Transportation
Land Development
Environmental Services

110 Fieldcrest Avenue
Raritan Plaza I
Edison, New Jersey 08837-3620
732.512.8999 • FAX 732.512.8884

NJ Certificate of Authorization #24GA27957200

No.	Revision	Date	Approd.

Designed by CJO	Drawn by CJO	Checked by EM	
CAD checked by NJC		Approved by DMC	
Scale 1"=20'		Date April 29, 2009	

Project Title

Proposed Pharmacy
Block: 99 Lot: 1.08

River Road & Old River Road
Edgewater, New Jersey

Issued for

Construction

Issued for Construction

Drawing Title

Landscape Plan

Drawing Number

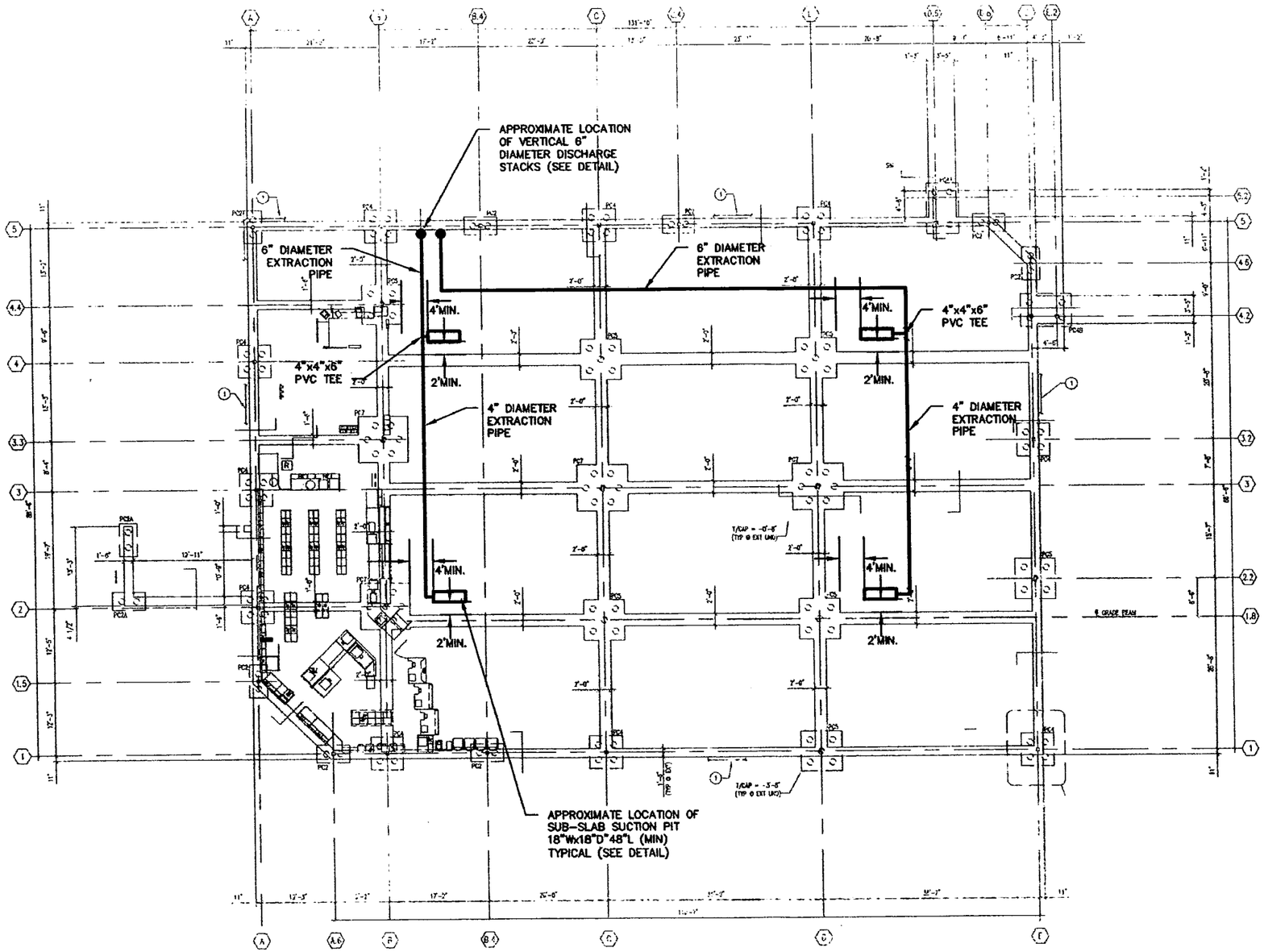
C-6

Sheet 7 of 14

Project Number 25293.04

David M. Caruso
N.J. Professional Engineer
No. 043776

25293.04_LA.DWG



NOTES:

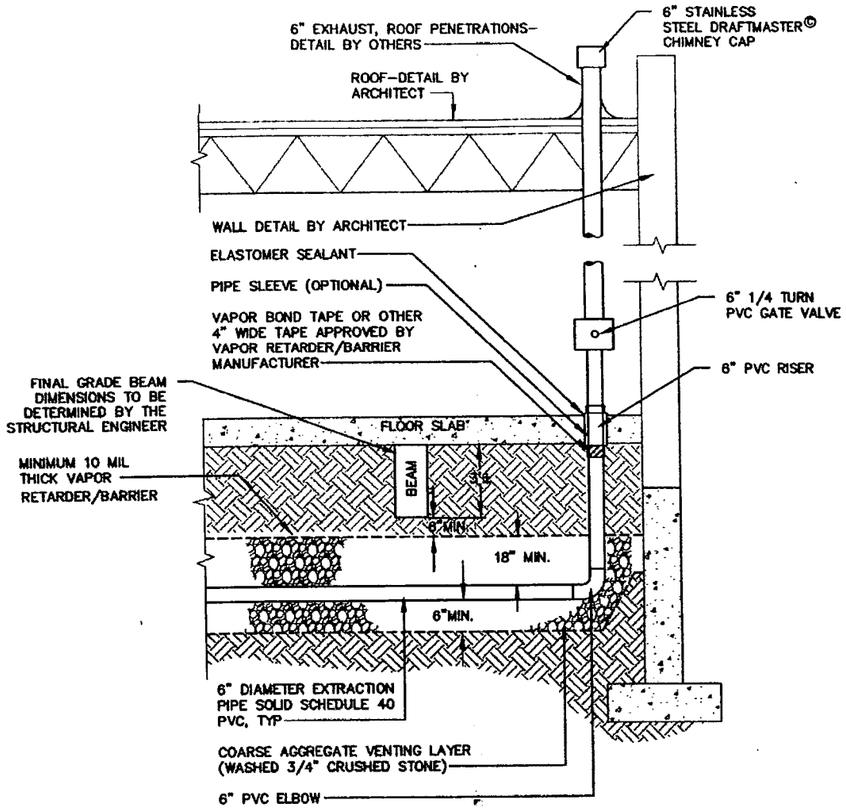
1. SITE PLAN BASED ON "CVS PHARMACY", SHEET NUMBER S-1.12, BY LARSON DESIGN GROUP, DATED APRIL 20, 2009.
2. SOME FEATURES ARE APPROXIMATE IN LOCATION AND SCALE.
3. THIS PLAN HAS BEEN PREPARED FOR CVS REALTY COMPANY. ALL OTHER USES ARE NOT AUTHORIZED, UNLESS WRITTEN PERMISSION IS OBTAINED FROM RANSOM ENVIRONMENTAL CONSULTANTS, INC.

0 10 20 40

SCALE in FEET
1"=20'

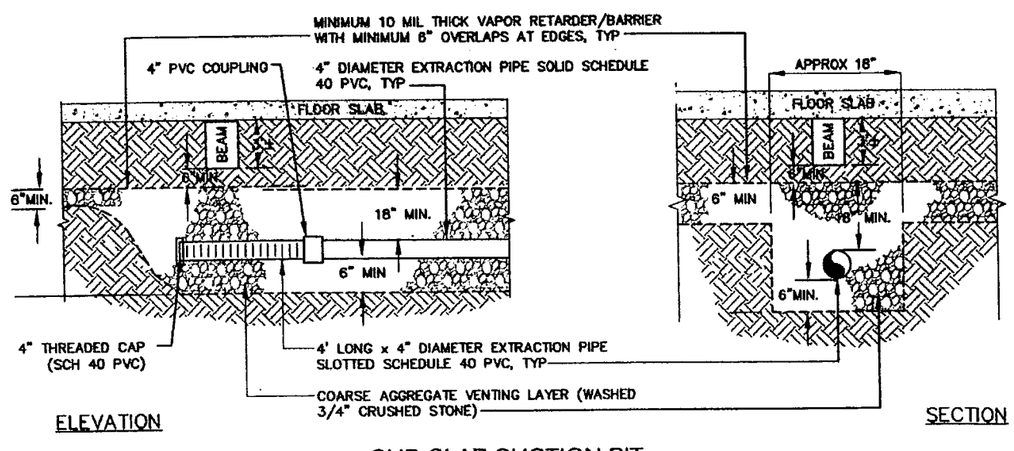
RANSOM

PREPARED FOR:	SITE:	*SITE PLAN*
CVS REALTY COMPANY ONE CVS REALTY WOONSOCKET, RHODE ISLAND	PROPOSED CVS PHARMACY/STORE 75 RIVER ROAD EDGEWATER, NEW JERSEY	DATE: MAY 2009 PROJECT: 081003 FIGURE: 1



SUB-SLAB VENTING SYSTEM
VERTICAL DISCHARGE STACK

NOT TO SCALE



SUB-SLAB SUCTION PIT

NOT TO SCALE

NOTES

1. PIPING SHALL BE SLOPED MINIMUM 1/64-INCH PER LINEAR FOOT TOWARDS THE SUCTION PIT TO FACILITATE DRAINAGE OF CONDENSATION OR PRECIPITATION WHICH MAY COLLECT WITHIN THE SYSTEM.
2. FLOOR SLAB PENETRATION LOCATION IS APPROXIMATE AND SHALL BE DETERMINED BY THE MECHANICAL ENGINEER AND/OR ARCHITECT.
3. 4" SCHEDULE 40 PVC PIPE TO BE MACHINE SLOTTED 0.020". 4" ELBOWS WILL BE USED WITH PVC CEMENT AT TURNS.
4. UNDERSLAB AND VENT STACK MATERIAL SHALL BE 4" DIAMETER, SOLID SCHEDULE 40 PVC PIPING, UNLESS OTHERWISE REQUIRED BY BUILDING CODE. PIPE SHALL BE SOUND AND CLEAN BEFORE LAYING.
5. SUCTION PIPE SHALL BE RELOCATED, AS NECESSARY, TO AVOID FOUNDATIONS AND MINIMIZE INTERFERENCE WITH OTHER UTILITIES.
6. VAPOR BARRIER SHALL CONSIST OF A POLYETHYLENE VAPOR RETARDER HAVING A MINIMUM THICKNESS OF 10 MIL, SUCH AS VAPORLOCK 10 AS MANUFACTURED BY RAVEN INDUSTRIES OF SIOUX FALLS, SOUTH DAKOTA, OR EQUIVALENT. VAPOR BARRIER SHALL BE PLACED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ADJOINING SHEETS SHALL OVERLAP MINIMUM OF 6" AT ALL EDGES. SEAMS BETWEEN ADJOINING SHEETS TO BE SEALED BY APPLYING 1/2" WIDE CONTINUOUS BEAD OF CAULK BETWEEN THE SHEETS. CAULK SEALANT SHALL BE ACOUSTICAL SEALANT, BUTYL RUBBER, BUTYL ACRYLIC OR SIMILAR (POLYURETHANE IS NOT PERMITTED). VAPOR BARRIER SHALL EXTEND UP EXTERIOR FOUNDATION WALLS A MINIMUM OF 3" AND SEALED TO WALL WITH MANUFACTURER APPROVED MATERIAL.
7. ALL SLAB JOINTS, INCLUDING BUT NOT LIMITED TO: FLOOR/WALL JOINTS, POUR AND CONTROL SAW JOINTS, CRACKS AND SLAB PENETRATIONS SHALL BE SEALED WITH AN ELASTOMERIC JOINT SEALANT.
8. VENT STACKS SHALL EXTEND FROM THE ROOF AND TERMINATE NO LESS THAN 18" ABOVE THE SURFACE OF THE ROOF. VENT STACKS SHALL BE LOCATED A MINIMUM OF 25' FROM WINDOWS OR INTAKES ASSOCIATED WITH THE HEATING, VENTILATION AND AIR CONDITIONING SYSTEM. A VENTILATOR SHALL BE INCLUDED ON THE ROOF VENTS TO INSURE THAT RAIN WATER DOES NOT COLLECT WITHIN THE SYSTEM.
9. PIPING WITHIN THE OCCUPIED BUILDING SPACE SHALL BE LABELED AT A MAXIMUM SPACING OF 10'; THE LABEL SHALL READ "SUBSLAB VENT SYSTEM."
10. AT ROOF EXIT, A PERMANENT LABEL SHALL BE ATTACHED TO VENT STACK READING "SUBSLAB VENT SYSTEM, DO NOT PLACE AIR INTAKE WITHIN 25 FEET."
11. FLOOR DRAINS AND AIR CONDITIONING OR REFRIGERATION DRAINS THAT DISCHARGE DIRECTLY INTO THE SOIL BELOW THE FOUNDATION SHOULD BE AVOIDED.
12. THE SUB-SLAB VENTILATION SYSTEM SHALL BE A "PASSIVE" SYSTEM; HOWEVER, IF IN THE FUTURE, THE OWNER WISHES TO UTILIZE A SUCTION FAN, SUCTION FANS SHALL BE 6" FANTECH HP220 OR APPROVED EQUAL. UPON INSTALLATION, RADIUS OF INFLUENCE SHALL BE CONFIRMED. IF NECESSARY, A LARGER FAN MAY BE INSTALLED (IF NEEDED). THE CONTRACTOR SHALL COORDINATE FAN INSTALLATION WITH THE ELECTRICAL CONTRACTOR. (IF NEEDED)
13. VERTICAL RUNS OF PIPE SHALL BE SUPPORTED INDEPENDENTLY OF THE CONNECTED HORIZONTAL PIPE RUNS. VERTICAL RUNS SHALL BE SUPPORTED AT EACH FLOOR AND AT INTERVALS NOT GREATER THAN 10' BY APPROVED PIPE COLLARS, CLAMPS, BRACKETS OR WALL RESTS.
14. PIPE SUPPORTS SHALL BE LOCATED WITHIN 4" OF EACH SIDE OF ALL FITTINGS.
15. PROVIDE PIPE SUPPORTS CONSTRUCTED OF TYPE 304 STAINLESS STEEL WITH TYPE 316 STAINLESS STEEL FASTENERS, NUTS, WASHERS AND BOLTS WITH APPROVED ANCHORING SYSTEM FOR WALL AND CLAMP FOR PIPE.
16. BUILDING SLAB SHALL BE UNDERLAIN BY A VENTING LAYER CONSISTING OF 6" MINIMUM OF 3/4" WASHED, CRUSHED STONE.
17. CHIMNEY CAP SHALL BE 6" STAINLESS STEEL DRAFTMASTER© WITH 1/2" STAINLESS STEEL MESH SCREEN OR APPROVED EQUAL.

RANSOM		DETAIL PLAN
PREPARED FOR: CVS REALTY COMPANY ONE CVS REALTY WOONSOCKET, RHODE ISLAND	SITE: PROPOSED CVS PHARMACY/STORE 75 RIVER ROAD EDGEWATER, NEW JERSEY	DATE: MAY 2009 PROJECT: 081003 FIGURE: 2

P:\2008\081003\Sub-Slab Vapor Mitigation\08100303.dwg May 21, 2009 - 1:22pm