FORMER DARBY DRUGS DISTRIBUTION CENTER
80-100 BANKS AVENUE
ROCKVILLE CENTRE, NEW YORK
BROWNFIELD CLEANUP PROGRAM ID: C130140

SUPPLEMENTAL REMEDIAL INVESTIGATION REPORT

Submitted To:

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1.0 INTRODUCTION

P.W. Grosser Consulting Inc. (PWGC) was contracted by Avalon Bay Communities, Inc. (Avalon Bay) of Melville, New York and Darby Drug Co., Inc. (Darby) of Westbury, New York to perform a Supplemental Remedial Investigation (RI) at the property located at 80-100 Banks Avenue, Rockville Centre, New York. Redevelopment plans for the property, the former Darby Drugs pharmaceutical product warehouse and distribution center, include two residential complexes and associated grounds. Based on the historical use of the property and the confirmed presence of chlorinated solvents, the site was accepted into the New York State Brownfields Cleanup Program (BCP). This report has been prepared to document the results of the Supplemental RI performed at the site, as required under the BCP.

Areas of concern addressed by this Supplemental RI are detailed in the approved Supplemental Remedial Investigation Work Plan (SRIWP) prepared by PWGC dated April 2008. Additional investigation activities were completed following a February 23, 2009 email request by NYSDEC and follow conversations. This Supplemental RI Report is intended to address potential areas of concern within the property boundary of the site only, and does not address areas of concern outside of the property boundary. The on-site and off-site components of this project have been separated into two Operable Units (OU) which will be managed by separate and distinct parties. The on-site component will be addressed under a Brownfield Cleanup Agreement between ARC Chase Partners, LLC, Avalon Bay Communities, Inc. (AvalonBay) and the New York State Department of Environmental Conservation (NYSDEC). The off-site component has been designated as Operable Unit 2 (OU2) and will be addressed under an Order on Consent between the NYSDEC and Darby Drug Group Companies, Inc. (Darby).

1.1 Site Description

The subject site is located at 80-100 Banks Avenue in the Village of Rockville Centre, New York. The site is located within the Town of Hempstead and Nassau County. The site is situated at the northwest corner of the intersection of Nassau Street and Banks Avenue. The property is identified as Section 38, Block 539, Lots 27 and 30 by the Nassau County Department of Assessment. The site is approximately 7.1 acres and is currently improved with a one-story, 150,000 square foot warehouse building and a 2-story 24,000 square foot office building, both of masonry construction. A Vicinity Map is included as **Figure 1**; a Site Plan is included as **Figure 2**.

The subject site was recently purchased by Avalon Bay and was formerly owned by Darby, which ceased operation at the site in November 2000. Darby had occupied the building since 1978 and operated it as a pharmaceutical product warehouse and distribution center. Demolition of the existing structures and the phased development of two residential buildings consisting of a 100,492 square foot (footprint) north complex and a 60,128 square foot (footprint) south complex are planned.

1.2 Site History

According to title information provided by Darby, the 80 Banks Avenue parcel was owned by the RVC Urban Renewal Agency until 1971, when it was sold to the partnership of Walter G. Stackler, Leonard L. Frank and Herbert Z. Gold. The parcel remained under the ownership of various forms of the original partnership until it was purchased by Darby Drug Co., Inc. in 1978. The 100 Banks Avenue parcel has a similar history and was owned by

the RVC Urban Renewal Agency prior to 1972. From 1972 to 1973 the title lists Stafgo Corporation as the owner. In 1973, ownership of the parcel was transferred by Stafgo Corporation to 420 Doughty Blvd Corporation, which merged with Darby Drug Co. Inc. in 1975. In 1993 the 80 Banks Avenue and 100 Banks Avenue property was transferred to Darby Group Companies, Inc by the successor-in-interest to Darby Drug Co., Inc.

Although Darby occupied the 80 Banks Avenue premises since 1978 and the 100 Banks Avenue property from 1973, no information regarding previous operators except as set forth above or tenants of either parcel has been identified other than Downen-Zier Knits, Inc. which leased the 80 Banks Avenue property from 1972 to 1978. Downen-Zier went bankrupt in 1978. Unverified information indicates that a rug cleaning or carpet manufacturing business may have occupied the property prior to Darby's acquisition of the 80 Banks Ave property; however, this could not be confirmed.

1.3 Project Background

The chlorinated solvent, tetrachloroethene (PCE), was first identified in shallow soil beneath the southwestern portion of the building, during a Phase II investigation performed at the site in November 2003. It is believed that PCE may have been released between 1972 and 1978, during the time that a textile company leased the southern portion of the site (80 Banks Avenue). A Remedial Investigation (RI), performed in accordance with NYSDEC Draft DER-10, Technical Guidance for Site Investigation and Remediation (DER10), was initiated in March 2004, to characterize the nature and extent of PCE in soil and groundwater at the site. The results of the investigation, as documented in the Draft RI Report (PWGC, 8/04), recommended an Interim Remedial Measure (IRM) to remove mobile and residual dense non-aqueous phase liquid (DNAPL). The site was accepted into New York State's Brownfield Clean-up Program (BCP), and a Brownfield Clean-up Agreement (BCA) was executed on June 29, 2005. Upon review of the RI Report, NYSDEC provided multiple comments in an August 15, 2005 letter, including providing further detail about initial investigation sample collection techniques and the need to further evaluate and investigate additional on-site areas of concern.

An IRM Work Plan was approved by the NYSDEC May 12, 2006. The IRM Work Plan addresses source areas of PCE contamination, by removing DNAPL that has accumulated at a clay boundary (11-17 ft below surface), and by excavating residually impacted soils down to the clay surface.

A September 20, 2007 NYSDEC letter to Environmental Business Consultants, Inc. (EBC), the consultant representing Darby for the off-site investigation portion of the BCP, requested additional areas of concern to be investigated as part of the Work Plan for OU2 (off-site). Although this letter focuses on the previously submitted OU2 Work Plan, several of the comments requested further investigation within the property boundary, including investigation of 14 leaching pools on the western side of the building and groundwater sampling outside the source area beneath the clay layer. The letter included a copy of a 1971 State Pollution Discharge Elimination System Permit (SPDES) application for the site which detailed the proposed locations of three supply wells, four diffusion wells, and 14 leaching pools located on the western portion of the property. Although the presence of these structures was suspected during previous investigation, the application illustrates the likely locations of the leaching pool system.

A Supplemental Remedial Investigation Work Plan (SRIWP) to address on-site areas of concern was submitted to the NYSDEC by PWGC on behalf of AvalonBay in April 2008. The SRIWP was approved by the NYSDEC and released for public comment on May 12, 2008. Following close of the public comment period, PWGC submitted a response to comments amending the SRIWP to the NYSDEC (dated August 6, 2008). The NYSDEC granted final approval to the SRIWP on August 7, 2008. Copies of PWGC's response to public comments and copies of NYSDEC correspondence are included in **Appendix A**. In February 2009, following completion of initial supplemental investigation activities and NYSDEC review of the groundwater data, NYSDEC requested that three additional monitoring wells be installed in the northern portion of the site and several existing monitoring wells be resampled for metals analysis.

1.4 Previous Investigations

1.4.1 Preliminary Soils and Foundation Investigation Report

Melick-Tully and Associates (MT&A) installed a number of borings at the subject property as part of a geotechnical analysis of site conditions to assist in the design of the proposed apartment buildings. The geotechnical investigation initially consisted of six soil borings with a recommendation that monitoring wells be installed for the basement design. Six monitoring wells were installed between January and May 2003. Based on MT&A geotechnical borings, geology beneath the site consists of one to four feet of sand fill material underlain by orange-tan sand with gravel to a depth of approximately 12 to 16 feet below grade. Beneath the sand and gravel unit is black, silty clay, which was determined to be approximately nine feet thick.

MT&A reported that the depth to groundwater at the site varies between five to nine feet below grade depending upon surface elevation. The water table was determined to exist within the sand unit situated above the black, silty clay unit. Groundwater flow was determined to vary from a westerly to a southerly direction as you move west to east across the site.

1.4.2 Phase I Environmental Site Assessment

A Phase I Environmental Site Assessment (Phase I ESA) was conducted by EcolSciences, Inc. (ESI) in March 2002 to identify potential recognized environmental conditions (RECs) associated with the subject site. The Phase I ESA included a review of available title and deed records, historical aerial photographs and maps, readily available local records, an environmental database search, including federal and state listings, and a site reconnaissance.

During site reconnaissance, ESI identified an electrical panel on the western wall of the southern warehouse area containing circuit breakers labeled "well pumps" and "dry cleaning still unit". In addition, six vertical steel pipes were discovered beneath square metal covers outside the building in the west parking area. Three of the pipes were located outside the building along the western wall and were believed to be inactive pumping wells for processing water. The remaining three pipes were located along the southern edge of the parking lot and were believed to be inactive injection wells.

The document search yielded no information on a dry cleaning operation, but records were obtained from the

Nassau County Department of Health (NCDH) detailing the proper removal of four heating oil underground storage tanks (USTs). UST removals were witnessed by the NCDH; each tank excavation was observed to be clean and no holes were identified in the tanks. ESI's Phase I ESA recommended the collection of soil samples in the vicinity of the former UST locations to verify that no discharges occurred, and a test boring program beneath the concrete floor to assess potential impacts from possible former dry cleaning operation at the site.

1.4.3 Phase II Environmental Investigation

A Phase II Environmental Investigation was performed by ESI in November 2003. ESI identified a total of seven areas of concern (AOC) as part of their scope of work. In addition to the former heating oil tanks and the former potential dry cleaning still unit, other AOCs were identified as a result of further field observation and a geophysical survey performed as part of the Phase II investigation. A total of nineteen borings were installed during the investigation with thirty-one soil samples submitted for analysis. Eleven groundwater samples were collected and analyzed including five from soil boring locations and six from pre-existing monitoring wells installed by MT&A. The AOCs identified by ESI and results of the Phase II Investigation are as follows:

North Fuel Oil UST

During the geophysical survey, an asphalt patch was identified near the northwest corner of the building, adjacent to the loading dock area. This patch represented the area where two 5,000 gallon fuel–oil USTs were formerly located. As documented in the Phase I ESA report, the USTs were removed under the oversight of the NCDH in 1995 when the heating system was converted to natural gas. The geophysical survey did not identify anomalies indicative of the presence of USTs in the vicinity of the patch.

Three soil borings were installed in the vicinity of the patch, with soil samples collected from immediately above the water table (7.5 feet below grade). Soil samples were collected to verify that a release did not occur from the removed USTs, since endpoint samples were not collected during the tank removal. Samples were analyzed for volatile organic compounds (VOCs) by USEPA Method 8260B and semi-volatile organic compounds (SVOCs) by USEPA Method 8270 (base neutral [BN] compounds). Based on analytical data it did not appear that a release occurred from the former fuel-oil USTs.

Southwest Fuel Oil UST

A second asphalt patch was identified outside the boiler room located within the southwest corner of the warehouse building. According to the Phase I ESA, two 2,500 gallon USTs were removed from this area in 1995 when the heating system was converted to natural gas. The geophysical survey did not identify anomalies indicative of the presence USTs in the vicinity of the patch. As with the northern UST location, three soil borings were installed in the vicinity of the asphalt patch. Again, soil samples were collected from immediately above the water table and analyzed for VOCs by USEPA Method 8260 and SVOCs by USEPA Method 8270 (BN). Based on analytical data, it did not appear that a release had occurred from the former fuel-oil USTs.

Dry Cleaning Still Unit

Several soil borings were installed in the southwest portion of the site, both inside and outside of the building, to

assess potential impact from the suspected former presence of a dry cleaning unit, as noted in the Phase I ESA. Shallow (<5 feet) and deep (immediately above the clay layer @ 12 to 16 feet below grade) samples were collected and analyzed for VOCs by USEPA Method 8260. Soil sample analytical data identified significant concentrations of tetrachloroethene (PCE), a compound commonly associated with dry cleaning processes. The highest shallow (<5 ft) PCE concentrations found within the building were in samples collected from soil borings DC1 and DC4, at 93,000 ppb and 110,000 ppb respectively. The Recommended Soil Cleanup Objective (RSCO) for PCE as specified in NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046, Determination of Soil Cleanup Objectives and Soil Cleanup Levels (January 24, 1994) is 1,400 ppb (note - TAGM 4046 RSCOs were used as cleanup objectives prior to the issuance of 6 NYCRR Part 375 Soil Cleanup Objectives in December 2006; data collected prior to December 2006 are compared to the RSCOs since this investigation pre-dated 6 NYCRR Part 375).

Higher PCE concentrations were detected at the clay surface (approximately 15.5 feet below grade) in samples collected from soil borings DC2 and DC3, roughly 40 feet south of soil borings DC1 and DC4. PCE concentrations at the clay layer were 110,000 ppb in the sample collected from soil boring DC2 and 19 million ppb in the sample collected from soil boring DC3. Since the deeper samples were collected below the water table, the concentration in excess of the pure product solubility detected in DC3 indicates that dense non-aqueous phase liquid (DNAPL) is present above the clay.

PCE was detected at concentrations ranging from 2.4 ppb to 7,400 ppb in shallow soil samples collected from the exterior of the southwestern portion of the warehouse building. The highest shallow PCE concentration was detected in the sample collected from soil boring WP3. PCE was detected at concentrations ranging from 3.6 ppb to 2,100 ppb in deep soil samples collected from the exterior of the southwestern portion of the warehouse building. The highest deep PCE concentration was detected in the sample collected from soil boring B2 location, adjacent to the south wall of the building.

Exterior Subsurface Structure/Interior Battery Charging Area

The geophysical survey identified a potential rectangular subsurface structure adjacent to the asphalt patch (former UST location) near the southwest corner of the building. Below grade piping, identified by magnetic imaging, was identified leading from this potential structure toward the building in an area formerly used by Darby as a battery charging area. A soil boring was installed through the potential structure and both shallow (above the water table) and deep (above the clay) soil samples were collected. PCE was detected at 7.5 ppb and 7,400 ppb, respectively.

Potential Injection Wells

During the geophysical survey, below grade piping was identified from the southwest corner of the building to three three-foot by three-foot vaults at the southwest properly boundary. Horizontal below grade piping was also identified connecting the vaults. Each vault contained four-inch vertical piping assembly resembling a well head. Groundwater was recorded at a depth of six feet below grade within in one of the suspected wells with the total depth of the well measured at approximately 14 feet below grade.

Two soil borings were installed adjacent to two separate vaults. Both shallow (above the water table) and deep (above the clay) soil samples were collected and analyzed for VOCs by USEPA Method 8260. Very low concentrations of PCE (2.4 and 2.6 ppb) were detected in the shallow soil samples. Concentrations in the deeper soil samples varied significantly. The concentration of PCE from the area coinciding with the eastern most vault was 3.6 ppb (soil boring WP1), while the concentration of PCE from the vicinity of the western most vault was 16,000 ppb (soil boring WP3), which exceeds the NYSDEC RSCO of 1,400 ppb.

Potential Vapor Vent

Vent duct work was observed leading from the area of the former dry cleaning still unit towards an outlet port on the south exterior wall of the building. A soil boring was installed adjacent to the outside the vent port. A soil sample from the interval above the clay was collected and analyzed for VOC by USEPA Method 8260. PCE was detected at a concentration of 2,100 ppb.

Metal Shop Vent

Based on field observations, a metal shop was identified along the western wall of the building, approximately 130 feet north of the battery recharging area. A soil sample directly below the asphalt pavement was collected outside of this part of the building, beneath an exterior vent port. The sample was analyzed for priority pollutant metals by USEPA Method 6010B. Chromium (30.7 ppm), Copper (35.4 ppm), nickel (16.9 ppm), and zinc (105 ppm) were detected at concentrations exceeding their respective RSCOs. Based on the relatively low concentrations detected and the collection of the sample immediately below the asphalt, it is unclear if the detection of these compounds is associated with former on-site activities.

Groundwater Sampling Results

During the Phase II Investigation, ESI collected groundwater samples from five temporary groundwater sampling points and six pre-existing monitoring wells installed by MT&A. Groundwater samples were analyzed for VOCs by USEPA Method 8260. The results of the groundwater analyses identify PCE as the predominant compound detected. The highest concentrations of PCE were detected adjacent to the west wall of the warehouse building with concentrations ranging from 1,800 ppb to 5,800 ppb.

1.4.4 Remedial Investigation

A Remedial Investigation (RI) was conducted by PWGC in March 2004 to determine the nature and extent of contamination at the site and to characterize potential threats to public health or the environment caused by the release of hazardous substances, pollutants, or contaminants from the site. Previous investigations performed at the site had identified a concentration of chlorinated VOCs, primarily PCE, in soils beneath the southwest portion of the warehouse building. PCE impact is believed to have originated during the time that a textile company (Downen-Zier Knits) and/or a rug cleaning or processing operation existed onsite (which may possibly have occupied a portion of the premises prior to 1978).

The results of the RI confirmed the findings of the previous investigations and supported a release scenario of liquid

phase PCE beneath the floor in the southwestern portion of the warehouse building. From there, PCE, as DNAPL, migrated along the clay surface to a low point approximately 50 feet east of the release point. Based on PCE concentrations in soil and groundwater, sufficient evidence existed to indicate that DNAPL was present beneath the site.

A competent clay layer, reportedly measuring approximately nine feet thick, had been documented throughout the site during the 2003 geotechnical investigation. The presence of clay appeared to have limited the vertical migration of PCE in the soil column to a maximum depth of 18 feet below grade. The clay surface was deepest in borings beneath the building and shallowest in borings at the property boundaries.

PCE impact in shallow soil, at concentrations exceeding the RSCO of 1,400 ppb, was limited to an area measuring approximately 40 feet by 60 feet. PCE impact in deeper soils was found to be more extensive covering an area roughly 180 feet by 160 feet. Significant PCE impact in soil was also found at the clay surface in samples collected from beneath the north end of the west parking area, in the general vicinity of a suspected leaching structure. The structure, if present, may have received VOC-contaminated process water from the building. The presence of DNAPL and high PCE concentrations in soil was determined to be acting as a continuing source of contamination to shallow groundwater beneath the site.

Based on groundwater sampling data, a shallow groundwater plume of chlorinated VOCs, primarily PCE, was determined to be emanating from the source area beneath the southwestern portion of the warehouse building. PCE was detected at concentrations exceed in the pure product solubility in soil and groundwater samples collected from within the presumed source area, providing further evidence of DNAPL in this area. The plume appeared to be migrating off-site toward the south. PCE was detected at concentrations up to 28,000 ppb in groundwater samples collected at the south property line. Based on the historic use of the property, the plume may have been in transit since 1978 or sometime prior.

High VOC concentrations were also detected in a single groundwater sample location (B9) at the western property boundary, which does not appear to be related to the plume emanating from the known source area. Dissolved VOCs at this location displayed a much higher ratio of 1,2-dichloroethene (1,2-DCE) and trichloroethene (TCE) to PCE, indicating that reductive dechlorinization was occurring in this area. The origin of the VOCs detected in the groundwater sample collected from B9 are unknown, but may be associated with a below grade drainage structure suspected to be in the area.

The vertical migration of DNAPL appeared to have been contained by the presence of the clay layer beneath the site. The RI recommended that, since chlorinated solvents have been known to cause desiccant fracturing of certain clays, groundwater quality beneath the clay layer should be evaluated.

The isolated presence of PCE in the deep soil sample from soil boring B8 and the circular mark-outs from the ESI geophysical survey, suggested that a drainage structure exists in the area which may have, at one time, received processing waste from the building. If the structure is present, it may be the source of the VOCs in groundwater

detected at groundwater sampling location B9 at the western property boundary. The RI recommended that, to investigate this issue, test pits should be installed at the circular mark-outs to determine if subsurface drainage structures are present. If drainage structures are present, samples should be collected to determine if they have been impacted by improper wastewater disposal, and if so, the extent of impact should be determined. Drain lines entering the structure should be traced to verify the point of origin, and to investigate the possibility of secondary drainage structures. Furthermore, the RI recommended that additional groundwater delineation should be performed in this area to identify the source and migration route of the VOCs detected in the groundwater sample collected from location B9.

Based on the results of the RI, PWGC recommended that a IRM consisting of the recovery of DNAPL from within the source area and sequenced excavation of PCE impacted soils from beneath the southwestern portion of the warehouse building. The excavation plan called for utilization of sheet piling installed to the clay surface to isolate sections of the source area for excavation and dewatering to prevent mixing of contaminated and clean groundwater.

2.0 INVESTIGATION

The purpose of the Supplemental RI was to collect data of sufficient quality and quantity to augment the March 2004 RI and adequately characterize the nature and extent of contamination at the site, evaluate contaminant migration, characterize the potential exposure to human health and the environment and select the most appropriate remedial technology. This Supplemental RI is intended to address potential areas of concern within the property boundary of the site only, and did not address areas of concern outside the property boundary.

Work was performed in accordance with the approved SRIWP and NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation, December 2002.

2.1 Field Investigation and Technical Approach

The results of the preliminary soils and foundation investigation performed by MT&A, the Phase I and Phase II Investigations performed by ESI, and the RI performed by PWGC were used as a guide in selecting field sampling locations to verify subsurface conditions.

The primary objective of the work was to collect information and field data necessary to address NYSDEC comments pertaining to on-site issues as detailed in correspondence dated August 15, 2005 and September 20, 2007 (see **Appendix A**).

The scope of work included the following tasks:

- Ground penetrating radar (GPR) survey.
- Characterization of leaching structures located at the property.
- Evaluation of interior and exterior soil vapor quality.
- Evaluation of groundwater quality beneath the clay layer.
- Further delineation of subsurface soil impacts in the vicinity of the suspected source area.
- Evaluation of soil and groundwater quality beneath the northern portion of the site.

2.2 Geophysical Survey

2.2.1 Ground Penetrating Radar/Pipe Tracing

In an effort to better determine outflow of the interior drains and piping and potential overflow structures related to the known and suspected leaching pools, a geophysical survey was performed to identify the following:

- Subsurface piping and discharge points associated with floor drains within the warehouse building.
- Discharge points of unidentified piping within the warehouse building.
- Locations of potential leaching structures beneath the property.
- Usage of each structure (i.e., storm water drainage, industrial discharge).

A geophysical investigation to identify the items detailed above was performed on August 28, 2008 by Utility Detection, Inc. (UDI) of Melville, New York. The survey performed by UDI utilized ground penetrating radar (GPR),

a magnetometer and pipe snake to search for anomalies representative of leaching structures and piping based on size and instrument response.

Multiple potential drainage structures (two floor drains and five 4-inch diameter pipes of undetermined usage) are present within the existing building. Dye/flush testing performed during the March 2004 RI did not identify discharge points for these structures. During previous investigations, the presence of 24 on-site leaching structures, believed to be storm drains were documented. Also present are two solid manhole covers at grade, which are related to the municipal sanitary and storm sewer system lines running beneath the eastern portion of the site.

In addition to the previously identified floor drains, pipe runs and leaching structures, a site plan included in a State Pollution Discharge Elimination System (SPDES) permit application for the site illustrated 14 leaching structures within the western parking area, eight leaching structures within the southern parking area, three supply wells outside the western wall of the warehouse building (near the southwest corner of the building) and four diffusion wells along the western property boundary in the southern parking area.

Nine of the leaching structures identified in the 1971 SPDES permit site plan appear to be included among the 24 structures confirmed to be present at the site. The permit does not include information regarding the usage of the leaching structures identified in the site plan. The locations of the diffusion wells and several leaching structures, as illustrated in the 1971 SPDES permit application; do not correspond to the actual locations of the wells and structures. A copy of the SPDES Permit is included in **Appendix A**.

A magnetometer and pipe snake were used to trace four 4-inch diameter pipes (cut off at grade) located adjacent to the inside of the western wall of the warehouse building (near the southwest corner), one 4-inch diameter pipe (cut off at grade) adjacent to the southern wall of the warehouse building and one floor drain located in the southwest boiler room. Three of the pipes adjacent to the western wall were traced to the supply wells identified outside that portion of the building. The fourth pipe located adjacent to the western wall was traced south toward the diffusion well system where it met a "T" junction and a pipe running east-west parallel to the southern property boundary from diffusion well DIFFW-01 to diffusion well DIFFW-04. The pipe located adjacent to the southern wall and the floor drain in the south boiler room were obstructed at approximately two feet below grade and could not be traced using the magnetometer/snake. The southern pipe and boiler room floor drain were traced via test pits excavated outside the southern wall of the building. The 4-inch diameter pipe adjacent to the southern wall was determined to be connected to a manifold/valve system related to the diffusion well system in a vault located at the southern property boundary near diffusion well DIFFW-04. The floor drain in the southern boiler room was determined to discharge to an exterior leaching structure (LP-01) not finished to grade.

In addition to the magnetometer and pipe snake, a GPR survey was performed throughout the western and southern parking areas to identify potential below grade leaching structures and anomalies. The presence of nine structures (all finished to grade) throughout this area had been confirmed prior to implementation of the GPR survey. The GPR survey identified 19 additional structures beneath the western and southern parking areas.

Eighteen of the additional structures appeared to be storm drain overflow pools; one was determined to be an industrial leaching pool (LP-01) which received discharge from the floor drain located within the southern boiler room. The GPR survey did not identify any piping that would indicate that the storm drain structures beneath the southern and western parking areas received discharge from within the warehouse building.

Overflow piping associated with on-site leaching structures was traced using a magnetometer and pipe snake to identify potential unknown structures. No evidence of previously undetected structures was identified in storm drains located within the northern parking area; no evidence indicating pools within the northern parking area had received discharge from within the building was identified.

Following completion of the geophysical survey, test pits were excavated where leaching structures were expected to be located based on the 1971 SPDES permit and/or the presence of overflow piping within identified structures, but were not identified during the geophysical survey. Three test pit areas were excavated within the southern and western parking areas at locations that corresponded to leaching structures locations in the SPDES permit site plan. No structures were identified within these test pit areas. Two overflow pipes were identified within one storm drain (DW-29) located outside the southern portion of the office building. Test pits excavated around this pool identified one previously unknown overflow pool (DW-28). The discharge point, if any exists, of the second overflow pipe could not be determined due to the presence of underground utilities in the area (i.e., electric and telephone lines) which limited the area in which additional exploratory excavation could be performed.

Subsurface leaching structures and overflow piping identified by the geophysical survey and test pit areas are illustrated in **Figure 3**.

2.2.2 Dye/Flush Testing

Dye/flush testing was performed on drains within the onsite structures to confirm discharge points. Based on dye/flush testing:

- Sinks and drains in the northern portion of the warehouse building (including the floor drain in the northern boiler room and slop sink in a utility closet) discharge to the municipal sewer system via a sewer connection at the east site of the office building.
- Sinks and drains in the southern portion of the warehouse building (not including the floor drain in the southern boiler room) discharge to the municipal sewer system via a sewer connection at the southeast corner of the warehouse building.
- The floor drain in the southern boiler room discharges to a leaching pool near the southwest corner of the warehouse building (leaching pool LP-01).
- Sinks and drains in the office building discharge to the municipal sewer system via a sewer connection at the east site of the office building.

Discharge locations for floor drains and piping identified within the existing structures were confirmed by the geophysical survey and/or dye/flush testing. Floor drain, piping and discharge locations are illustrated in **Figure 3**.

2.2.3 Gamma Logging

In an effort to determine the depth and thickness of the clay layer and lithology beneath the clay layer, augers were driven to 100 feet below grade following completion of vertical profile sampling at each location and a gamma geophysical log was performed through the open augers. Following completion of gamma logging, penetrations through the clay layer were sealed with bentonite pellets to a depth above the top of the clay layer and augers were removed from the borehole. Gamma logs are included as **Appendix B**.

Results of the gamma logging at the vertical profile locations indicate that the highest gamma readings were generally present from approximately 12 feet below grade to 30 feet below grade, followed by a zone of lower gamma readings from 30 feet below grade to approximately 55 feet below grade, and then followed by another increase in gamma readings from 55 feet below grade to 100 feet below grade. Elevated gamma readings are generally indicative of fine silt and clay containing soils.

2.3 Leaching Structure Characterization

Sediment samples were collected from seven storm water drywells (identified as SD-1 through SD-7) during implementation of the March 2004 RI. To determine if remaining on-site leaching structures had been impacted by historic site operations, soil/sediment samples were collected from each on-site leaching structure (excluding those from which samples were collected in 2004), including those identified during the geophysical survey/test pit excavation. Samples were collected in accordance with United States Environmental Protection Agency (USEPA) Underground Injection Control (UIC) program and Nassau County Department of Health (NCDH) procedures.

Subsurface drainage structure locations are illustrated in **Figure 3**, and drainage structure construction details, including structure ID, depth and diameter are summarized in **Table 1**. Based on inspection of subsurface drainage structures and the observed depth to the clay layer present at the site, it does not appear that the leaching structures extend beneath the clay layer.

2.3.1 Storm Water Drainage Structures

A total of 43 leaching structures were identified that appeared to be used primarily for storm water drainage. One structure (DW-42) located in the northern loading dock area was determined to be a solid bottomed catch basin leaving a total of 42 storm water drywells present at the site. One shallow soil/sediment sample was collected from each of the 42 structures from which a sample was not collected during implementation of the 2004 RI (a total of 36 samples were collected). No sample was collected from catch basin DW-42, which was determined to be a solid bottomed structure. Samples were collected using a properly decontaminated stainless steel hand auger. Soil/sediment was collected from zero to six inches below the base of each structure at three locations. Soils from each of the three grab samples within each structure were screened with a photo-ionization detector (PID); the grab sample exhibiting the highest PID response was collected for VOC analysis. Remaining soils collected from each of the three points were homogenized in a stainless steel mixing bowl prior to sample collection.

Storm water drainage structure locations are illustrated in **Figure 3**.

2.3.2 Industrial Discharge Structures

Only one structure (LP-01) was identified that appeared to have been used primarily for discharge of industrial wastewater. The structure received discharge from a floor drain located in the boiler room in the southern portion of the warehouse building. One shallow and one deep soil/sediment sample was collected from the structure.

The shallow sample was collected using a properly decontaminated stainless steel hand auger from zero to six inches below the base of the structure at three locations. Soils from each of the three grab samples were screened with a PID; the grab sample exhibiting the highest PID response was collected for VOC analysis. Remaining soils collected from each of the three points were homogenized in a stainless steel mixing bowl prior to sample collection.

The deep sample was collected using a properly decontaminated stainless steel hand auger advanced inside a PVC outer casing to prevent the boring from collapsing. The sample was collected from a depth corresponding to the two-foot interval (nine to 11 feet below grade) immediately above the clay layer present beneath the site, as determined by location specific field observations. Collected soils were field screened for the presence of VOCs using a PID.

Industrial wastewater discharge structure locations are illustrated in **Figure 3**.

2.4 Source Area Delineation

To further delineate the extent of the source area documented by the 2004 RI, soil borings were installed adjacent to the source area location to quantify the horizontal extent of subsurface impact. Six soil borings (SB-2008-09 through SB-2008-14) were installed around the perimeter of the suspected source area, both inside and outside the building. Delineation borings were concentrated in areas from which a sufficient number of samples were not previously collected during the ESI Phase II ESA and the March 2004 RI. Soil boring locations are illustrated in **Figure 4**; soil boring logs are included in **Appendix C**. Historic soil boring locations, from previous investigations, are illustrated in **Figure 5**.

Soil borings were installed utilizing a Geoprobe® direct-push drill rig outfitted with a macro-core sampler and dedicated acetate liners. Soils were collected continuously from ground surface to a depth corresponding to the top of the clay layer present beneath the site as determined by location specific field observations. Soils were field-screened for the presence of VOCs using a PID. Non-dedicated sampling equipment was decontaminated prior to the collection of each sample.

Two soil samples were collected at each boring location. Samples were collected from the interval within the vadose zone (approximately zero to nine feet below grade) exhibiting the highest PID response, and the interval immediately above the clay layer. If no PID response above background concentrations was observed in soils

collected from within the vadose zone, a sample was collected from the interval immediately above the water table interface.

The SRIWP included a provision to install step-out borings at boring locations where field observations and/or PID response identified the presence of impacted soil. However, no evidence of impacted soil was identified at boring locations SB-2008-09 through SB-2008-14; as such, the installation of step out borings was not warranted.

2.5 Soil and Groundwater Evaluation

To evaluate general soil and groundwater quality beneath the site, eight soil borings (SB-2008-01 through SB-2008-08) and nine temporary groundwater sampling points (GW-2008-01 through GW-2008-08 and GW-2008-15) were installed throughout the property. Boring locations were chosen to provide a representative sample of general soil and groundwater conditions at the subject property and were not biased towards any potential areas of concern.

In addition, groundwater samples were collected from each of the existing supply, diffusion and monitoring wells at the site. Soil borings, temporary groundwater sampling points, and supply, diffusion, and monitoring well locations are illustrated in **Figure 4** and **Figure 6**. Soil boring logs are included as **Appendix C**; well sampling logs are included as **Appendix D**. Historic groundwater sample locations, from previous investigations, are illustrated in **Figure 5**.

2.5.1 Soil Borings

A total of eight soil borings were installed utilizing a Geoprobe® direct-push drill rig outfitted with a macro-core sampler and dedicated acetate liners. Soils were collected continuously from ground surface to a depth corresponding to the top of the clay layer present beneath the site, as determined by location specific field observations. Soils were field-screened for the presence of VOCs using a PID. Non-dedicated sampling equipment was decontaminated prior to the collection of each sample.

One soil sample was collected at each boring location from the interval exhibiting the highest PID response. If no PID response above background concentrations was observed, a sample was collected from the interval immediately above the water table.

The SRIWP included a provision to install step-out borings at boring locations where field observations and/or PID response identified the presence of impacted soil. However, no evidence of impacted soil was identified at boring locations SB-2008-01 through SB-2008-08; as such, installation of step out borings was not warranted

2.5.2 Groundwater Sampling Points

A total of nine temporary groundwater sampling points were installed at the site. Groundwater samples were collected from a depth of approximately three feet below the water table. At each sampling location, a four-foot long screen point sampler was driven to the desired depth (approximately one foot of screen above the water table, three feet below the water table) using a Geoprobe® direct-push drill rig. At the desired depth, dedicated polyethylene tubing fitted with a stainless steel check valve was inserted through the probe rods into

the water bearing zone. The tubing was oscillated by hand and/or connected to a peristaltic pump to draw water to the surface. Prior to sampling, approximately three to five times the volume of standing water within the probe rods was purged to reduce sample turbidity. Non-dedicated sampling equipment was decontaminated prior to the collection of each sample.

2.5.3 Supply, Diffusion and Monitoring Well Sampling

Prior to sampling, the depth to water and depth to bottom of each supply, diffusion, and monitoring well was measured. Water level measurements were obtained with an electronic water level probe. Three to five well casing volumes of standing water were removed from each well prior to sample collection. The wells were purged using a submersible pump fitted with dedicated polyethylene tubing. Field readings (pH, temperature and conductivity) were recorded during purging, initially and for each well volume. Groundwater samples were collected with a dedicated, disposable high-density polyethylene bailer suspended by a polypropylene cord. Non-dedicated sampling equipment was decontaminated prior to the collection of each sample.

Based on their total depths, supply wells SW-01through SW-03 and diffusion wells DIFFW-01 through DIFFW-04 appear likely to be screened within and/or slightly below the clay layer (see **Table 2** for well measurement details), and as such analytical data from these wells have been included in the evaluation of water quality beneath the clay layer.

Previously installed monitoring well MW-3 could not be located during implementation of the Supplemental RI; as such, no sample was collected.

2.6 Evaluation of Groundwater Quality beneath Clay Layer

To evaluate groundwater quality in the deeper aquifer segment, four temporary vertical profile wells were installed throughout the southern and western portions of the property and three monitoring wells (MW-7, MW-8 and MW-9) were installed throughout the northern portion of the property. Deep groundwater sample locations are illustrated in **Figure 8**.

2.6.1 Temporary Vertical Profile Wells

Temporary vertical profile wells were installed using a track mounted Geoprobe® outfitted for both direct-push and rotary drilling. Three inch inside-diameter augers were advanced to approximately two feet into the top of the clay layer. A smaller diameter direct push rod, fitted with a four-foot, stainless steel, drop-down sampling screen, was inserted inside the hollow stem augers and advanced down through the clay layer using direct push technology to the required sampling depth. Installation of outer hollow augers into the top of the clay was intended to isolate potentially impacted soil and/or groundwater above the clay layer from the smaller diameter sampling equipment, minimizing the migration of impacted soil and groundwater downward through the penetration in the clay layer.

At each vertical profile location, groundwater samples were collected at 20 foot intervals beginning at 20 feet below grade and continuing to 100 feet below grade. Five groundwater samples were collected at each vertical profile location. At each location, samples were collected from the shallowest interval first and continued

progressively through the deeper intervals. At each sampling interval, a four-foot long screen point sampler was driven to the desired depth using a Geoprobe® direct-push drill rig. At the desired depth, dedicated polyethylene tubing fitted with a stainless steel check valve was inserted through the probe rods into the water bearing zone. The tubing was oscillated by hand and/or connected to a peristaltic pump to draw water to the surface. Prior to sampling, attempts were made to purge approximately three to five times the volume of standing water within the probe rods to reduce sample turbidity. However, in several of the sample locations and depths, the rods were pumped dry, due to poor recharge rates, and then sampled upon recharge. Many of the samples collected were visibly turbid, likely due to fine grained soils within the aquifer.

Following collection of groundwater samples from each vertical profile location, the groundwater sampler and direct-push rods were removed from the borehole. The penetration through the clay layer was sealed with bentonite pellets to a depth above the top of the clay layer and augers were removed from the borehole.

In addition to the four vertical profile locations, it appears, based on total well depths, that supply wells SW-01 through SW-03 and diffusion wells DIFFW-01 through DIFFW-04 are screened below the clay layer (see **Table 2** for well construction details), and as such have been included in the evaluation of water quality beneath the clay layer.

2.6.2 Deep Monitoring Wells (Northern Portion of Site)

Monitoring wells MW-7, MW-8, and MW-9 were installed in the northern portion of the site following a request from NYSDEC after a review of the SRI preliminary data. Installation of these three wells was not included in the SIWP, but was requested by NYSDEC in February 2009 following completion of initial field activities.

Monitoring wells MW-7, MW-8, and MW-9 were installed using a rotary drill rig outfitted for hollow stem auger (HSA) drilling. Monitoring wells were installed to a depth of approximately 46 feet bgs. Wells were constructed of 2-inch diameter, schedule 40 PVC casing and 0.010 inch slot screen. Wells consisted of a one foot sump, 10 feet of screen set at approximately 35 to 45 feet bgs and solid riser to surface. Screen intervals were set below the shallow clay layer. For each monitoring well, a gravel pack of No. 2 morie sand was installed to 4 feet above the top of the screen, with a minimum two-foot thick bentonite seal. Cement/bentonite grout was installed from the bentonite seal to approximately 5 feet below grade to fill remaining void space as the augers were removed from the borehole. Drill cuttings were containerized for proper disposal. Wells were finished flush to grade with limited access manholes and risers were fitted with water tight caps. Monitoring well construction logs are included as **Appendix E**.

Following installation, wells were left undisturbed for five days to allow the bentonite seal and grout to set after which, wells were deveolped using the overpurge method. Wells were purged until field parameters (pH, temperature and turbidity) stabilized. Development water was drummed for proper disposal. Following development, monitoring wells MW-7, MW-8 and MW-9 were surveyed to determine relative casing elevations and locations in reference to existing site structures. Elevations were tied in to the pre-existing monitoring well network.

Prior to sampling, the depth to water and depth to bottom of each monitoring well was measured. Water level measurements were obtained with an electronic water level probe. Three to five well casing volumes of standing water were removed from each well prior to sample collection. The wells were purged using a submersible pump fitted with dedicated polyethylene tubing. Field readings (pH, temperature and conductivity) were recorded during purging, initially and for each well volume. Groundwater samples were collected with a dedicated, disposable high-density polyethylene bailer suspended by a polypropylene cord. Non-dedicated sampling equipment was decontaminated prior to the collection of each sample.

2.7 Soil Vapor Evaluation

A total of twelve soil vapor sampling points, three within the northern portion of the warehouse, two within the southern portion of the warehouse and five within the asphalt paved parking areas surrounding the existing buildings, were installed throughout the property. Soil vapor sampling point locations are illustrated in **Figure 9**.

Soil vapor sampling point installation and sample collection was performed in accordance with New York State Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (October 2006), and United States Environmental Protection Agency (USEPA) Standard Operating Procedure (SOP) 2042, *Soil Gas Sampling*.

Soil vapor sampling points were installed using a Geoprobe® direct-push drill rig to a depth of 5.5 feet below existing grade. Each sampling point was constructed of a dedicated stainless steel screen fitted with polyethylene tubing. Washed #1 crushed stone was added to create a sampling zone 1 to 2 feet in length. The sampling point was sealed above the sampling zone with bentonite slurry to grade to prevent outdoor air infiltration. Soil vapor samples were collected into SUMMA® canisters fitted with pre-set flow regulators. The laboratory provided certified-clean canisters with an initial vacuum of approximately -30 inches of mercury (inHg) for sample collection and flow regulators pre-set to provide uniform sample collection for a 2-hour sampling period.

2.8 Data Analysis

Soil, groundwater and soil-vapor samples were delivered to Alpha Analytical Labs (Alpha) of Westboro, Massachusetts for analysis. Analytical services provided by Alpha were performed in accordance with NYSDEC Analytical Sampling Protocol (ASP) with Category B deliverables (ASP-B). Analytical services included analysis of soil and groundwater samples for Target Compound List (TCL) VOCs by USEPA Method 8260, TCL SVOCs by USEPA Method 8270, Target Analyte List (TAL) Metals by USEPA Methods 6010/7000, pesticides by USEPA Method 8081, and PCBs by USEPA Method 8082 and analysis of soil-vapor samples for VOCs by USEPA method TO-15.

Laboratory analytical reports (results only) are included as **Appendix F**; full laboratory data packages are included on the enclosed CD-ROM.

3.0 HYDROGEOLOGIC ASSESSMENT AND PHYSICAL SETTING

3.1 Site Topography

The topography of the site and surrounding area was reviewed from the USGS 7.5 minute series topographic map for the Lynbrook, New York quadrangle. The subject property has an elevation of approximately 17 feet above National Geodetic Vertical datum (NGVD) at the north end of the site, sloping to an elevation of approximately 10 feet above NGVD at the southern end of the site. Paved areas slope locally to drainage structures positioned through out the property. There is little topographic relief on the subject property and surrounding area.

3.2 Surrounding Land Use

The site is situated in a mixed industrial, residential and commercial area of the Village of Rockville Centre. The adjacent land uses, as illustrated in **Figure 10,** include:

- North – multi-family housing complex
- South - vacant one-story building; Metropolitan Transit Authority (MTA) Long Island Bus Depot; Rockville Racquet Club
- East – church; four-story office building; one-story office/industrial building
- West - Morgan Day's Park; Smith Pond

3.3 Regional Geology/Hydrogeology

The hydrogeologic setting of Long Island is well documented and consists of impermeable bedrock composed of schist and gneiss, overlain by a series of unconsolidated glacial deposits. Thicknesses of these deposits range from zero in northern Queens, where the bedrock is exposed, to more than 2,000 feet in the southern parts of Nassau and Suffolk Counties. The glacial advance is marked by two terminal moraines, which form an east-west trending line of deposits with a maximum altitude of 400 feet. A gently sloping outwash plain composed of well-sorted and permeable sand and gravel extends south of the moraine to the shore, with a slope of approximately 20 feet/mile (Cohen).

The lowest unit in the sequence is the Raritan Formation, which overlies an erosional bedrock surface composed of granite, diorite, gneiss and schist (Lubke, 1964). The Raritan formation includes the Lloyd Sand Member, which consists of sands and gravels of moderate permeability forming the Lloyd Aquifer and the Raritan Clay Member, which consists of very low permeable clay known as the Raritan Confining unit.

The Raritan Formation is overlain by the Magothy Formation, which consists of up to 1,000 feet of highly stratified layers of sand, gravel, silt and clay, which dip gently to the southeast. The Magothy Formation is the principal aquifer for Long Island, and is the main source of water for public supply (Kilburn and Krulikas, 1987). The saturated thickness of the Magothy Aquifer in the vicinity of the site is 600 feet with an estimated hydraulic conductivity of 56 feet/day (McClymonds and Franke, 1972).

Along the south shore of Long Island, the Magothy is confined by a 40 to 90 foot thick low permeability sequence of clay, silty clay and fine sand known as the Gardiner's Clay. Although the Gardiner's Clay has been mapped north of Sunrise Highway in the Rockville Center area (Doriski, 1981), the clay appears to be absent along the Hempstead Lake - Mill River corridor. As such, it is not known if the Magothy Aquifer is confined by the Gardiner's Clay in the immediate vicinity of the site.

In this area of Nassau County, the Upper Glacial Aquifer overlies either the Magothy Aquifer, or the Gardiner's Clay, where present. Upper glacial deposits consist mainly of stratified beds of fine to coarse sand and gravel but also contain beds of silt and clay (Kilburn and Krulikas, 1987). The Upper Glacial Aquifer contains the water table in most of the area. The estimated hydraulic conductivity of the Upper Glacial Aquifer is 270 feet/day (McClymonds and Franke, 1972).

The site is situated some distance south of a regional groundwater divide located along the terminal moraine, where groundwater flows to the north, west and south. Located south of the divide, groundwater in the vicinity of the site generally flows in a southwesterly direction toward the Mill River and Hempstead Bay.

3.4 Site Geology/Hydrogeology

The site overlies an interconnected aquifer system consisting of the upper glacial deposits and the underlying Magothy Formation. Depth to groundwater in the underlying Upper Glacial Aquifer ranges from approximately 5 to 10 feet below ground surface (bgs). The lithologic description of the sediments from soil borings advanced during this and previous investigations at the site identifies the materials as fine to coarse sand with small amounts of gravel to a depth of 12 to 18 feet below surface. Below the sand is a silty clay layer, which was documented to be approximately nine feet thick in the MT&A geotechnical boring report. The presence of the clay layer was visually confirmed at soil boring locations PWG-SB-2008-01 through PWG-SB-2008-14 installed during the Supplemental RI. Geologic cross sections illustrating the depth of the clay layer are included as **Figure 11** and **Figure 12**.

Gamma geophysical logs completed at the four vertical profile locations indicate that the highest gamma readings were generally present from approximately 12 feet below grade to 30 feet below grade, followed by a zone of lower gamma readings from 30 feet below grade to approximately 55 feet below grade, and then followed by another increase in gamma readings from 55 feet below grade to 100 feet below grade. Elevated gamma readings are generally indicative of fine silt and clay containing soils. Soil samples were not collected at vertical profile locations; as such, the presence of the clay confining layer was not visually confirmed at these locations.

Groundwater elevation data, recorded on October 3, 2008, was used to prepare a shallow groundwater contour map, included as **Figure 13**. As illustrated in **Figure 13**, shallow groundwater flow is generally to the south-southwest with an average gradient of 0.01 foot/foot.

Groundwater elevation data for monitoring wells MW-7, MW-8 and MW-9 which were installed in the northern portion of the property and screened below the clay layer was used to generate a deep groundwater contour map, included as **Figure 14**. As illustrated in **Figure 14**, deep groundwater flow in the northern area of the site is toward the southwest with an average gradient of 0.002 foot/foot. Due to the lack of accurate construction details for supply and diffusion wells present at the site, these wells could not be used in determination of deep groundwater flow at the site.

Table 2 provides a summary of the monitoring well elevation data including total well depth, screened interval, casing elevation and the measured depth to water.

4.0 NATURE AND EXTENT OF CONTAMINATION

This section details the Supplemental RI findings and analytical data. Analytical data is compared to NYSDEC, NYSDOH and USEPA standards, cleanup objectives and guidance values, as appropriate. Regulatory standards and guidance values used to evaluate analytical data are detailed below.

Soil sample analytical data are compared to both the Unrestricted Use and Restricted Residential Soil Cleanup Objectives (SCO) specified in 6 NYCRR Part 375-6, Remedial Program Soil Cleanup Objectives (December 2006). SCOs specified in 6 NYCRRR Part 375-6 were established for use in remediating Inactive Hazardous Waste Disposal Site Remedial Program, Brownfield Cleanup Program and Environmental Restoration Program sites and are based on the protection of health and ecological resources.

Typically, analytical data for soil samples collected from subsurface drainage structures (e.g., storm drains and leaching pools) compared to the Recommended Soil Cleanup Objectives (RSCO) specified in NYSDEC Technical Administrative and Guidance Memorandum (TAGM) 4046, Determination Of Soil Cleanup Objectives and Cleanup Levels (January 1994) in accordance with NCDH and USEPA UIC Program procedures. However, because the subject property has been accepted into the BCP, subsurface drainage structure soil sample analytical data are compared to the Unrestricted Use SCOs and Restricted Residential SCOs specified in 6 NYCRR Part 375-6, as required by the BCP. The RSCOs and Unrestricted Use SCOs are approximately equal for the VOCs of concern at the site.

Groundwater sample analytical data is compared to the NYSDEC Class GA Ambient Water Quality Standards (AWQS) as specified in Technical Operation and Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1998, with January 1999 Errata Sheet and April 2000 and June 2004 Addendums).

Soil vapor analytical results were compared to the Deep Soil-Gas Target Levels as specified in USEPA Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance).

Based on the March 2004 RI findings, the primary chemicals of potential concern (COPC) to be encountered at the site are PCE and its degradation products: TCE, cis-1,2-dichloroethene, trans-1,2-dichloroethene, 1,1-dichloroethene and vinyl chloride.

Soil, groundwater and soil-vapor sample locations are illustrated in **Figure 4, Figure 6, Figure 8** and **Figure 9**; analytical data are summarized in **Table 3** through **Table 16**. Laboratory analytical reports are included as **Appendix F** (results only)..

4.1 Identification of Source Areas

Results of previous soil sampling programs (see section 1.4) indicate that the primary source of residual VOC contamination is beneath the southwestern corner of the warehouse building. These impacted soils appear to act as a continuing source for VOC impact to groundwater at and downgradient of the subject property.

A secondary potential source area was identified in the northwest corner of the western parking area (soil boring location B-8) during the 2004 RI. The 2004 RI concluded that elevated PCE concentrations in this area may have been due to PCE discharges to storm drains in this area. However, based on samples collected from storm drains DW-01 and DW-02 during the supplemental RI, it does not appear that storm drains in this area have been significantly impacted by PCE discharges (see section 4.2.3).

4.2 Soil Impacts

4.2.1 Additional Source Area Delineation

At each boring installed adjacent to the previously identified source area (SB-2008-09 through SB-2008-14), soil samples were collected from both above and below the water table. Each sample was analyzed for TCL VOCs by USEPA Method 8260B; two samples were also analyzed for TCL SVOCs by USEPA Method 8270C, TAL metals by USEPA Method 6010, pesticides by USEPA Method 8081 and PCBs by USEPA Method 8082.

PCE was not detected at concentrations exceeding its Unrestricted Use SCO of 1,300 ppb in samples collected from borings SB-2008-09 through SB-2008-14. Low level (below Unrestricted Use SCO) PCE concentrations were detected in both shallow and deep samples collected from borings SB-2008-10, SB-2008-13 and SB-2008-14. Concentrations in shallow samples ranged from 5.5 ppb (SB-2008-10 @ 5-10) to 56 ppb (SB-2008-14 @ 0-5). Concentrations in deep samples ranged from 44 ppb (SB-2008-13 @ 10-15') to 290 ppb (SB-2008-14 @ 10-15'). At each source area delineation boring location at which PCE was detected, concentrations were higher in the deep sample (collected from below the water table). PCE was the sole VOC detected in the source area delineation soil samples.

Samples collected from borings SB-2008-10 (5-10') and SB-2008-14 (10-15') were also analyzed for SVOCs, metals, pesticides and PCBs. SVOCs, metals, pesticides and PCBs were not detected at concentrations exceeding their respective Unrestricted Use SCO in either sample.

Additional source area delineation sampling appears to confirm the conclusions of the March 2004 RI indicating that the source area for PCE contamination at the site is limited to the area beneath the southwest portion of the warehouse building.

Soil boring locations are illustrated in **Figure 4**; soil sample analytical data are summarized in **Table 3**, **Table 4** and **Table 5**.

4.2.2 General Soil Quality

At each boring installed throughout the northern portion of the subject site (SB-2008-01 through SB-2008-08), one soil sample was collected from above the water table. Each sample was analyzed for TCL VOCs by USEPA Method 8260B; two samples were also analyzed for TCL SVOCs by USEPA Method 8270C, TAL metals by USEPA Method 6010, pesticides by USEPA Method 8081 and PCBs by USEPA Method 8082.

VOCs were not detected at concentrations exceeding the laboratory method detection limit (MDL) in samples collected from soil borings SB-2008-01 through SB-2008-08.

Samples collected from borings SB-2008-01 (5-10') and SB-2008-08 (5-10') were also analyzed for SVOCs, metals, pesticides and PCBs. Lead and 4,4'-DDT were detected at concentrations exceeding their respective Unrestricted Use SCO in the sample collected from boring SB-2008-01; however, in both cases the compound was detected at a concentration below its Restricted Residential SCO. Additional metals, SVOCs, pesticides and PCBs were not detected at concentrations exceeding their respective Unrestricted Use SCO in the sample collected from boring location SB-2008-01. SVOCs, pesticides, PCBs and metals were not detected at concentrations exceeding their respective Unrestricted Use SCO in the sample collected from boring location SB-2008-08.

Based on soil sampling results, it does not appear that significant soil impacts are present at the site outside the presumed PCE source area beneath the southwest portion of the warehouse building. Although low level concentrations (below Restricted Residential SCOs) of lead and 4,4'-DDT were detected in the sample collected from boring SB-2008-01, it appears the sample contained non-native (fill) material. The presence of non-native material and the lack of elevated concentrations of these compounds elsewhere throughout the site indicates that their presence is likely related to the presence of non-native fill material, rather than a release or improper chemical disposal at the subject site.

Soil boring locations and PCE concentrations are illustrated in **Figure 4**; soil sample analytical data are summarized in **Table 3**, **Table 4** and **Table 5**.

4.2.3 Storm Water Drainage Structures

Samples were collected from 36 storm water drainage structures during the Supplemental RI and seven storm water drainage structures during the 2004 RI. Each sample collected during the Supplemental RI was analyzed for TCL VOCs by USEPA Method 8260B, TCL SVOCs by USEPA Method 8270C and TAL metals by USEPA Method 6010. Sample collected during the 2004 RI were analyzed for VOCs by USEPA Method 8260, SVOCs by USEPA Method 8270C and RCRA metals by USEPA Method 6010 in accordance with NCDH procedures.

PCE and its degradation products were detected in soil samples collected from nine (DW-03, 06, 07, 10, 15, 16, 17, 18, & 19) of 36 storm water drainage structures from which samples were collected during implementation of the Supplemental RI and two (SD-1 & SD-3) of seven storm water drainage structures from which samples were collected during implementation of the 2004 RI. It should be noted that drainage structures identified as DW-07 and SD-3 are the same structure. In each case, the concentrations detected were below the respective

Unrestricted Use SCO for each compound. PCE concentrations ranged from 6.4 ppb (DW-07) to 190 ppb (DW-17) during current sampling and from 20 ppb (SD-1) to 1,100 ppb (SD-3) during March 2004 sampling.

Storm water drainage structure DW-07 (identified as SD-03 during the 2004 RI) was the only structure from which a sample was collected during the 2004 RI and the Supplemental RI. PCE concentrations in this structure decreased from 1,100 ppb in 2004 to 6.4 ppb in 2008. Based upon PCE concentrations detected in this drainage structure during the 2004 RI , it was listed as a potential source area that may have received VOC contaminated process water from the building.

Storm water drainage structures in which PCE and its degradation products were detected were limited to the southwestern portion of the property. Based on the locations of the structures impacted with PCE, the concentrations detected and the shallow groundwater table at the site, it appears likely that PCE impact in these structures is related to groundwater impact at the site rather than improper discharges to individual structures.

VOCs other than PCE and its degradation products were detected in samples collected from 13 (DW-01, DW-02, DW-03, DW-07, DW-10, DW-11, DW-14, DW-30, DW-33, DW-34, DW-37, DW-38, & DW-39) of 36 storm water drainage structures from which samples were collected during implementation of the Supplemental RI and five (SD-1, SD-3, SD-4, SD-5, & SD-7) of seven storm water drainage structures from which samples were collected during implementation of the 2004 RI. The sole VOC detected at concentrations exceeding its Unrestricted Use SCO (50 ppb) was acetone in samples collected from drainage structures DW-30, DW-37, DW-38 and DW-39 during implementation of the Supplemental RI, and storm drain SD-1 during implementation of the 2004 RI. The Data Usability and Validation Report, detailed in Section 4.6.2, recommends that caution be used with acetone concentrations from these samples, because chromatographic peaks were observed in raw data for these compounds in associated method blanks, and acetone is a common laboratory contaminants and low concentrations observed in soil samples may no be site related.

SVOCs were detected at concentrations exceeding their respective Unrestricted Use SCOs and Restricted Residential SCOs in samples collected from storm water drainage structures DW-30, DW-38 and DW-39 during implementation of the Supplemental RI. SVOCs detected at elevated concentrations included benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene. The SVOCs detected are generally petroleum related and their presence in drainage structures receiving run-off from parking areas is typical. SVOCs were not detected at concentrations exceeding their respective Unrestricted Use SCOs in samples collected from storm water drainage structures SD-1 through SD-7 during implementation of the 2004 RI.

Metals were detected at concentrations exceeding their respective Unrestricted Use SCOs in samples collected from 22 (DW-01, DW-02, DW-07, DW-10, DW-11, DW-14, DW-17, DW-19, DW-20, DW-23, DW-24, DW-26 DW-28, DW-30, DW-31, DW-33, DW-34, DW-37, DW-38, DW-39, DW-40 & LP-01) of 36 storm water drainage structures from which samples were collected during implementation of the Supplemental RI; of those 20 pools, metals were detected at concentrations exceeding their respective Restricted Residential SCOs in samples collected from seven (DW-01, DW-20, DW-30, DW-31, DW-34, DW-37, & DW-40). Metals were detected at concentrations exceeding their

respective Unrestricted Use SCOs in samples collected from six (SD-1, SD-3, SD-4, SD-5, SD-6, & SD-7) of seven storm water drainage structures from which samples were collected during implementation of the 2004 RI; of those six pools, metals were detected at concentrations exceeding their respective Restricted Residential SCOs in samples collected from four (SD-1, SD-3, SD-4, & SD-6)..

Subsurface drainage structure locations are illustrated in **Figure 3**. Subsurface drainage structure soil sample analytical data are summarized in **Table 6**, **Table 7** and **Table 8**; historic storm water drainage structure analytical data are summarized in **Table 9**, **Table 10** and **Table 11**.

4.2.4 Industrial Leaching Pools

A shallow and deep sample were collected from the sole industrial leaching pool (LP-01) present at the site. Each sample was analyzed for TCL VOCs by USEPA Method 8260B, TCL SVOCs by USEPA Method 8270C and TAL metals by USEPA Method 6010.

PCE and its degradation products were detected in both the shallow and deep samples collected from industrial leaching pool LP-01. In each sample, the concentrations detected were below the respective Unrestricted Use SCO for each compound. PCE was detected at 120 ppb in the shallow sample and 4.9 ppb in the deep sample. VOCs other than PCE were not detected above the laboratory MDL.

SVOCs were not detected above their respective Unrestricted Use SCOs in either the shallow or deep sample collected from industrial leaching pool LP-01.

Copper and zinc were the only metals detected at concentrations exceeding their respective Unrestricted Use SCOs in the shallow sample collected from industrial leaching pool LP-01. Zinc was also detected at a concentration exceeding its Unrestricted Use SCO in the deep sample collected from industrial leaching pool LP-01.

Subsurface drainage structure locations are illustrated in **Figure 3**; subsurface drainage structure soil sample analytical data are summarized in **Table 6**, **Table 7** and **Table 8**.

4.3 Groundwater Impacts

4.3.1 Shallow Groundwater

Groundwater samples collected from temporary sampling points GW-2008-01 through GW-2008-08, GW-2008-13 through GW-2008-15 and monitoring wells MW-1, MW-2, MW-4, MW-5 and MW-6 were used to evaluate shallow groundwater quality. Each sample was analyzed for TCL VOCs by USEPA Method 8260B; five samples were also analyzed for TCL SVOCs by USEPA Method 8270C, TAL metals by USEPA Method 6010, pesticides by USEPA Method 8081 and PCBs by USEPA Method 8082. Well measurement details are summarized in **Table 2**.

PCE and its degradation products were detected at concentrations exceeding their respective NYSDEC AWQS in samples collected from three of eleven temporary groundwater sampling points (GW-2008-13, GW-2008-14 and GW-2008-15) and one of five monitoring wells (MW-6). Other than PCE and its degradation products, VOCs were not detected at concentrations above their respective AWQS in shallow groundwater samples collected from the site. Each of the samples in which PCE and its degradation products were detected was collected from the southwestern portion of the subject property.

Samples collected from each of the five monitoring wells present at the site (MW-1, MW-2, MW-4, MW-5 and MW-6) were also analyzed for SVOCs, metals, pesticides and PCBs. SVOCs, pesticides and PCBs were not detected at concentrations exceeding the laboratory MDL in shallow groundwater samples collected from the site. One or more metal was detected at a concentration exceeding its NYSDEC AWQS in each of the shallow groundwater samples submitted for analysis. Metals detected included aluminum, arsenic, beryllium, cadmium, chromium, iron, lead, magnesium, manganese, mercury and nickel. As noted in well sampling logs (Appendix C) groundwater samples collected from these monitoring wells were observed as turbid to very turbid. Due to the turbidity of the groundwater samples collected, it is possible that metals detected at elevated concentrations may have been related to suspended solids in the samples rather than actual dissolved metals impact. Elevated metals concentrations are commonly found in turbid groundwater samples due to nitric acid sample preservative leaching metals from suspended solids. Based upon elevated metals concentrations detected in samples from multiple storm water drainage structures throughout the site, an additional round of filtered samples were collected from monitoring wells MW-4, MW-5 and MW-6 in August 2009. Monitoring wells MW-1 and MW-2 appear to have been destroyed during demolition activities at the site between collection of initial samples and re-sampling, as such it was not possible to collect filtered samples from these wells. Samples were filtered by the analytical laboratory in accordance with the procedures detailed in USEPA SW-846.

Dissolved metals impact was not identified above NYSDEC AWQS in filtered samples collected from monitoring wells MW-4, MW-5 and MW-6. Although filtered samples were not collected from monitoring wells MW-1 and MW-2, based on the large reduction in metals concentrations between unfiltered and filtered samples collected from monitoring wells MW-4, MW-5 and MW-6, it appears likely that initial unfiltered samples collected from monitoring wells MW-1 and MW-2 were impacted by suspended solids within the samples.

Based on groundwater sampling results, shallow groundwater at the site is impacted with PCE and its degradation products. It appears that the plume of impacted groundwater originates from the source area beneath the southwestern portion of the warehouse building and is migrating south-southwest.

Shallow groundwater sample locations are illustrated in **Figure 6**; and shallow groundwater elevation contours are illustrated in **Figure 13**. Groundwater sample analytical data are summarized in **Table 12**, **Table 13** and **Table 14**.

4.3.2 Deep Groundwater

In addition to samples collected from temporary vertical profile wells VP-2008-01 through VP-2008-04, samples collected from supply wells SP-01 through SP-03, diffusion wells DIFFW-01 through DIFFW-04 and monitoring wells

MW-7, MW-8 and MW-9 were used to evaluate groundwater quality beneath the clay layer. Although specific well construction details for supply and diffusion wells are unknown, based on total well depths, it appears likely that these wells are screened within and/or slightly below the clay layer. Each sample was analyzed for TCL VOCs by USEPA Method 8260B; two samples were also analyzed for TCL SVOCs by USEPA Method 8270C, TAL metals by USEPA Method 6010, pesticides by USEPA Method 8081 and PCBs by USEPA Method 8082. Well measurement details are summarized in **Table 2**.

PCE and/or its degradation products were detected at concentrations exceeding their NYSDEC AWQS in each sample collected from vertical profile locations VP-01, VP-02 and VP-03 and diffusion wells DIFFW-01 through DIFFW-04. PCE and TCE were detected at concentrations below their respective NYSDEC AWQS in samples collected from two of three supply wells (SW-02 and SW-03). PCE and its degradation products were not detected above the laboratory MDL in samples collected from vertical profile location VP-04 and supply well SW-01. At vertical profile locations VP-01, VP-02 and VP-03, PCE and/or its degradation products were detected at concentrations exceeding their NYSDEC AWQS in samples collected as deep as 100 feet bgs.

At vertical profile location VP-01, PCE concentrations increased with sample depth with a peak concentration detected in the sample collected from the 96 to 100 foot bgs interval (200 ppb). At vertical profile location VP-02, PCE concentrations peaked in the sample collected from the 36 to 40 foot bgs interval (5,800 ppb); a second, much smaller peak was also detected in the sample collected from the 96 to 100 foot bgs interval (280 ppb). At vertical profile location VP-03, the peak PCE concentration was detected in the 56 to 60 foot bgs interval (91 ppb). At sample locations adjacent to the southern property boundary (i.e., VP-02, VP-03 and DIFFW-01 through DIFFW-04) the highest PCE concentrations were generally detected between 30 and 60 feet bgs. At vertical profile location VP-01, located adjacent to the western property boundary, the highest PCE concentration was detected at 100 feet bgs; a similar elevated concentration was also detected in the 100 foot sample collected from vertical profile location VP-02 (located adjacent to the southern property boundary).

Samples collected from monitoring wells MW-7, MW-8 and MW-9 were analyzed for VOCs. No VOCs, including PCE and its degradation products, were detected above the laboratory MDL in samples collected from these wells.

Samples collected from supply well SW-01 and diffusion well DIFFW-01 were also analyzed for SVOCs, metals, pesticides and PCBs. One SVOC (3-nitroaniline) was detected at a concentration exceeding its NYSDEC AWQS in the sample collected from suspected supply well SW-01; SVOCs were not detected at concentrations exceeding the laboratory MDL in the sample collected from diffusion well DIFFW-01. Iron, manganese and sodium were detected at concentrations exceeding their NYSDEC AWQS in samples collected from diffusion well DIFFW-01 and supply well SW-01; cadmium and copper were also detected at concentrations exceeding their respective NYSDEC AWQS in the sample collected from diffusion well DIFFW-01. As noted in well sampling logs (Appendix C) groundwater samples collected from these wells were observed as clear for SW-01 and slightly turbid for DIFW-01. Due to the turbidity of the groundwater sample collected from DIFFW-01, it is possible that metals detected at elevated concentrations may have been related to suspended solids in the samples rather than actual dissolved

metals impact. Elevated metals concentrations are commonly found in turbid groundwater samples due to the nitric acid sample preservative leaching metals from suspended solids. Based upon the elevated level of copper detected in the sample from DIFFW-01 and the detection of elevated metals concentrations in soils collected from multiple storm water drainage structures throughout the site, filtered samples were collected from supply well SW-01 and diffusion well DIFFW-01. Dissolved metals impact was not identified above NYSDEC AWQS in filtered samples collected from these wells..

Pesticides and PCBs were not detected at concentrations exceeding the laboratory MDL in the samples collected from suspected supply well SW-01 and diffusion well DIFFW-01.

Deep groundwater sample locations are illustrated in **Figure 8**. Groundwater sample analytical data are summarized in **Table 12**, **Table 13** and **Table 14**; vertical profile sample analytical data are summarized in **Table 15**.

4.4 Soil-Vapor Impacts

Twelve soil vapor samples were collected from throughout the site. Each sample was analyzed for VOCs by USEPA Method TO-15.

Elevated PCE concentrations were detected in soil-vapor samples in the vicinity of and/or downgradient of the documented source area. PCE and/or its degradation products were detected at concentrations exceeding their respective USEPA Guidance Value (as listed for the 10^{-5} risk level) in soil-vapor samples collected at sampling points SG-2008-03, SG-2008-09, SG-2008-11 and SG-2008-12, which were the Sample collected in closest proximity to the presumed source area. Soil-vapor sample SG-2008-11, the soil-vapor sample collected nearest the proposed excavation area exhibited the highest PCE concentration detected at 1,680,000 ug/m^3. The soil-vapor sample collected at location SG-2008-09, adjacent to the southern property boundary had a PCE concentration of 9,660 ug/m^3.

PCE concentrations detected in soil-vapor samples collected from the remainder of the subject site were below its USEPA Guidance Value (as listed for the 10^{-5} risk level), ranging from non-detect (SG-2008-10) to a high of 62.2 ppb (SG-2008-07). PCE detected in upgradient soil-vapor samples is likely the result of dissipation of vapors from the source area. PCE was detected at 9,660 ppb at sample location SG-2008-09 which was located adjacent to the southern property boundary, indicating that soil-vapor impact in excess of USEPA guidance values likely extends off-site to the south of the subject property. Elevated PCE concentrations in soil vapor appear to roughly correlate with areas impacted with PCE in groundwater.

Soil-vapor sampling point locations are illustrated in **Figure 9**; soil-vapor sample analytical data are summarized in **Table 16**.

4.5 Qualitative Exposure Assessment

The objective of the qualitative exposure assessment under the Brownfield Cleanup Program (BCP) is to identify potential receptors to the contaminants of concern (COC) that are present at, or migrating from, the subject

property. The identification of exposure pathways describes the route that the COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur. Off-site investigation of contaminant plumes is not the responsibility of a party considered to be a volunteer under the BCP. Off-site investigation (OU2) will be completed under an Order on Consent between the NYSDEC and Darby Drug Group Companies, Inc. (Darby), the potential responsible party (PRP).

Based on the concentration of VOCs currently in the source area, the concentration of VOCs migrating off-site and the presumed length of time that the VOCs have been in transit (30 to 36 years) the following potential receptors and exposure pathways have been identified:

- Village of Rockville Centre water supply wells;
- Groundwater to vapor intrusion in residential and commercial structures, and,
- Smith Pond and Mill River

Each of the potential receptors and the exposure scenario is discussed in the following sections.

4.5.1 Water Supply Wells

A review of the NYSDEC inventory of documented wells (i.e. wells with permit numbers) and NCDH well records was performed to identify public water supply wells within 1 mile downgradient or ½ mile cross-gradient or upgradient of the site. These criteria was established to account for the high pumping rate and source water influence associated with public supply wells and is consistent with the New York State Source Water Assessment Program (SWAP) results.

Identified wells which met the specified distance and position criteria, were examined further to obtain specifics on the well's construction details (depth, diameter, screen interval), pumping capacity and the aquifer in which it was screened. Supply well construction details are summarized in **Table 17**.

Five wells were identified including three wells owned and operated by the Village of Rockville Centre in Lister Park, and two wells on Tanglewood Road which are owned and operated by Long Island American Water. One of the Rockville Centre Wells is no longer in use. The remaining four wells are all screened in the Magothy Aquifer at depths of approximately 450 feet. It is not known if the Magothy Aquifer is confined in this area, though the northern extent of the Gardiners Clay is present in the general area. Although a site specific seepage velocity was not be calculated, using a typical range of 0.5 to 2 ft per day, and a retardation factor of 1.3 for PCE, sufficient time would have elapsed since the release for the plume to encounter either wellfield, though no such impact has occurred.

The Village of Rockville Centre wells are located on the west side of Mill River about 1,500 feet south-southwest of the site, in the approximate direction of groundwater flow. Both of the RC wells are used on a routine basis by the Village along with a 0.75 million gallon (MG) storage tank also located at the well field. Water quality data

obtained from the NCDH for these wells indicate that PCE and its breakdown products have not been detected in well N5194 over the course of its available sampling history (11/77 - 3/01). Two detections of PCE have been noted in well N5195 over its available sample history (4/81- 12/02) which included 59 analysis rounds. PCE was detected once in 1983 and again in 1990 at a maximum concentration of 8 ppb. Based on the results, it appears that these detections are anomalous and not associated with an on-going source of contamination.

The two wells operated by Long Island American Water (LIAW) are located northwest of Smith Pond, approximately 1,800 feet from the site in an up-gradient (with respect to groundwater flow) direction. Water quality data obtained from the NCDH for these wells indicate that in the past 20 years (54 sampling rounds) PCE was detected once, (1 ppb - 12/19/77) and TCE was detected twice (11 ppb - 12/19/77, 2 ppb - 8/21/80) in Well N5556. During this same period of time Well N7521 also had one detection of PCE (2 ppb - 8/25/83) and two detections of TCE (2 ppb - 11/20/78, 1 ppb - 8/21/80). The appearance of one or two isolated detections of these compounds is inconsistent with a continuing source of contamination. In addition, the LIAW wells are positioned upgradient (northwest), of the site while the dissolved VOC plume is migrating in the opposite direction (south).
All public supply wells in Nassau and Suffolk Counties are routinely tested for contaminants (including VOCs) to assure compliance with State and Federal water quality standards.

The planned off-site (OU2) investigation is intended to provide additional characterization to more accurately determine if significant exposure pathways exist.

4.5.2 Smith Pond and Mill River - Surface Water

A groundwater elevation map, which includes data from five monitoring wells present at the site, indicates that shallow groundwater at the site flows toward the south-southwest toward the southern end of Smith Pond. Shallow groundwater samples collected near the western and southern property boundaries, generally confirm that a shallow PCE plume is migrating off-site in a south-southwesterly direction. Assuming the plume continues migrating in a southwesterly direction, it appears likely that it will encounter Smith Pond and/or Mill River.

Based on limited groundwater elevation data for monitoring wells MW-7, MW-8 and MW-9, deep groundwater beneath the clay layer in the northern portion of the site flows southwest toward Smith Pond/Mill River. Due to the lack of accurate construction details for supply and diffusion wells present at the site, these wells could not be used in determination of deep groundwater flow at the site.

Further evaluation of both the shallow and the deep groundwater flow will be completed under the planned off-site (OU2) investigation to provide additional characterization to more accurately determine if significant exposure pathways exist.

4.5.3 Vapor Intrusion

The depth to groundwater at, and in the vicinity of, the subject property is relatively shallow; therefore potential vapor intrusion is a concern for downgradient properties affected by the shallow PCE plume migrating from the site. There are two potential shallow plume migration pathways downgradient of the subject property;

groundwater flow may shift slightly to the west and discharge to Smith Pond and/or Mill River or it may travel south-southwest, approximately parallel to Mill River. If the plume discharges to the pond or river, the only structures it will pass under are the MTA Long Island Bus Depot, a vacant church building and commercial properties on the north side of Sunrise Highway. If the plume continues southward parallel to the river, it may encounter a residential area south of S. Village Avenue, approximately 1,750 feet south of the subject property.

Although elevated PCE concentrations were detected in soil vapor samples collected at the southern property boundary, exposure from VOCs in groundwater to ambient air assumes that VOCs present in on-site and near-site groundwater migrate approximately 1,750 feet to the nearest residence with minimal attenuation, transfer to the vapor phase and enter residences through pores and cracks in their foundations.

The planned off-site (OU2) investigation is intended to provide additional characterization to more accurately determine if significant exposure pathways exist.

4.6 Quality Assurance/Quality Control

The overall quality assurance quality control (QA/QC) objective for the field investigation was to develop and implement procedures that provide data of known and documented quality. QA/QC characteristics for data include precision, accuracy, representativeness, completeness, and comparability. The purpose of the QA/QC activities developed for this site were to verify the integrity of the work performed and data collected is of the appropriate type and quality for the intended use.

4.6.1 QA/QC Samples

To assess the adequacy of the sample collection and decontamination procedures performed in the field, QA/QC samples were collected and analyzed throughout the field sampling program. In general, QA/QC samples confirmed that the procedures performed in the field were consistent and acceptable. Reported detections in the trip and field blanks did not impact the interpretation of sample data. QA/QC samples included trip blanks, field blanks, blind duplicates, matrix spike (MS), and matrix spike duplicates (MSD). Types and frequencies of field QA/QC samples are listed below.

Type	Frequency
Trip Blank	One per cooler (when VOC samples collected)
Field Blank	One per day per matrix sampled
Blind Duplicate	One per 20 samples per matrix
Matrix Spike/Matrix Spike Duplicate	One per 20 samples per matrix

During the project, a total of twelve trip blanks were submitted and analyzed. Trip blanks accompanied environmental samples whenever VOCs were collected.

Targeted analytes were not detected above the laboratory MDL in field blank or trip blank samples submitted for analysis, indicating that sample collection procedures and/or ambient conditions are unlikely to have impacted environmental samples collected from the site during implementation of the Supplemental RI.

QA/QC sample data are summarized in **Table 18** through **Table 24**.

4.6.2 Data Usability and Validation

A Data Validation Report and a Data Usability Summary Report (DUSR) were prepared by Stone Environmental, Inc. (Stone) of Montpelier, Vermont. A copy of the DUSR (with the Data Validation Report included as an attachment) is included as **Appendix G**.

Data Validation

Full data validation was performed on 5% of the data generated or one sample per Sample Delivery Group (SDG), whichever was greater. Remaining data received a summary validation as detailed in the DUSR. The findings and recommendations of the Data Validation Report (included as Attachment C to the DUSR) are summarized as follows:

Both vials for groundwater samples PWG-VP-2008-01 (96-100), PWG-VP-2008-02 (56-60), PWG-VP-2008-02 (96-100) and PWG-VP-2008-03 (96-100) were received with a large headspace. The validator recommended that results for all compounds in these samples be considered estimated (J, UJ qualifiers).

Due to unacceptable %D values in the associated calibration standards, the validator classified the following results as estimated (J, UJ qualifiers):

- Chloromethane, bromomethane, isopropyl benzene, 1,2,3-trichloropropane and naphthalene in samples PWG-VP-2008-02 (16-20) and PWG-VP-2008-04 (36-40).
- Dichlorodifluoromethane, chloromethane carbon disulfide, isopropyl benzene and p-diethyl benzene in samples PWG-GW-2008-04 and PWG-GW-2008-24 (PWG-GW-2008-24 was collected as a blind duplicate of PWG-GW-2008-04).
- Isophorone, 1,4-dichlorobenzene, 2,4-dinitrotoluene, 3-nitroaniline and 4-nitroaniline in samples PWG-SB-2008-01@5-10 and PWG-SB-2008-21@5-10 (PWG-SB-2008-21@5-10 was collected as a blind duplicate of PWG-SB-2008-21@5-10).
- Dichlorodifluoromethane and 1,2,3-trichloropropane in samples PWG-DW-2008-15@7-7.5 and PWG-DW-2008-100@7-7.5 (PWG-DW-2008-100@7-7.5 was collected as a blind duplicate of PWG-DW-2008-15@7-7.5).
- Dichlorodifluoromethane, carbon disulfide, vinyl acetate and 1,2,3-trichloropropane in sample PWG-DW-2008-34@5.5-6.
- Dichlorodifluoromethane, chloromethane, bromomethane and isopropyl benzene in sample DIFFW-01.
- Dichlorodifluoromethane, chloromethane, 2-butanone, acetone and isopropyl benzene in sample DIFFW-04.

Due to poor MS/MSD and duplicate recoveries in SDG L0813344 for metals and mercury analyses, several compounds exhibited recoveries outside the acceptance windows. The laboratory appropriately applied "N" and "*" qualifiers on compounds that exceeded the criteria. As a result of the recovery failures, results flagged by the laboratory with an "N" or "*" were classified as estimated (J, UJ qualifiers) by the validator in samples PWG-DW-2008-15@7-7.5 and PWG-DW-2008-100@7-7.5 (PWG-SB-2008-21@5-10 was collected as a blind duplicate of PWG-SB-2008-21@5-10).

Due to poor MS/MSD and duplicate recoveries in SDG L0813447 for metals and mercury analyses, several compounds exhibited recoveries outside the acceptance windows. The laboratory appropriately applied "N" qualifiers on compounds that exceeded the criteria. As a result of the recovery failures, results flagged by the laboratory with an "N" were classified as estimated (J, UJ qualifiers) by the validator in sample PWG-DW-2008-34@5.5-6.

Based on poor reproducibility in the organic field duplicate pairs, the validator classified the following results as estimated (J, UJ qualifiers):

- 4-4'-DDT in samples PWG-SB-2008-01@5-10 and PWG-SB-2008-21@5-10 (PWG-SB-2008-21@5-10 was collected as a blind duplicate of PWG-SB-2008-21@5-10).
- Cis-1,2-dichloroethene, trichloroethene, vinyl chloride, fluoranthene and pyrene in samples PWG-DW-2008-15@7-7.5 and PWG-DW-2008-100@7-7.5 (PWG-DW-2008-100@7-7.5 was collected as a blind duplicate of PWG-DW-2008-15@7-7.5).
- Acetone, 2-butanone, n-butylbenzene, isopropyl benzene and 2-methylnaphthalene in sample PWG-DW-2008-34@5.5 -6.
- Vinyl chloride in DIFFW-01.

Based on poor reproducibility in the inorganic field duplicate pairs, the validator classified the following results as estimated (J, UJ qualifiers):

- Aluminum, arsenic, barium, calcium, copper, lead, mercury, vanadium and zinc in samples PWG-SB-2008-01@5-10 and PWG-SB-2008-21@5-10 (PWG-SB-2008-21@5-10 was collected as a blind duplicate of PWG-SB-2008-21@5-10).
- Silver in sample PWG-DW-2008-34@5.5 -6.

Although acetone and methylene chloride were not detected above the reporting limit in volatile organic analysis (VOA) method blanks, chromatographic peaks were observed in raw data for these compounds in associated method blanks. As such, the validator recommends that caution be used in the results of these compounds as they are common laboratory contaminants and low concentrations observed in soil samples may no be site related.

Data Usability

The DUSR was prepared in accordance with USEPA Region II SOPs for validating organic and inorganic analyses and was based on a review of each SDG case narrative and full Data Validation Report (detailed above). The findings and recommendations of the DUSR are summarized as follows:

- Laboratory deliverables were received in accordance with the work plan and general reporting requirements of NYSDEC Analytical Services Protocol. Deviations from acceptable QC specifications were discussed in detail in case narratives and data were flagged with laboratory qualifiers, where appropriate.
- Due to the need for dilutions or reanalysis due to QC outliers, multiple data sets were provided for some samples. Per the DUSR, in the case of dilution analyses, the more concentrated analysis is replaced with the appropriate concentration from the dilution analysis; in the case of reanalysis original results are considered for use as estimated values (U, UJ qualifiers).
- The completeness level attained for the analysis of field samples was greater than 95%. For all data, the overall quality of data is acceptable and all results, as qualified, are considered usable.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

5.1.1 Source Areas

Previous investigations performed at the site have identified PCE and its degradation products in soils beneath the southwest portion of the warehouse building. The results of the March 2004 RI confirmed the findings of previous investigations identifying significant shallow soil contamination limited to an area approximately 40 feet by 60 feet and deeper contamination covering an area roughly 180 feet by 160 feet beneath the southwest portion of the southern warehouse building. PCE impacted soil was also identified at the surface of the clay layer outside of the building at the north end of the western parking area.

Analytical data for soil samples collected from six source area delineation soil borings installed as part of this Supplemental RI appears to confirm the conclusions of the March 2004 RI indicating that the source area for PCE contamination at the site is limited to the area beneath the southwest portion of the warehouse building. Based upon field observations, installation of additional step out borings was not warranted. PCE and its degradation products were not detected at concentrations in excess of their respective Unrestricted Use SCOs in soil samples collected from outside the perimeter of the presumed source area (SB-2008-09 through SB-2008-14).

The presence of elevated PCE concentrations in soil beneath the southwest portion of the warehouse building is acting as a continuing source of contamination to the shallow groundwater. Based upon a review of the recent and historic data, no source area was located in the northern portion, to the north of the Parcel Line (N83^{O}50'53"E), of the property.

5.1.2 Soil

The geophysical survey, test pit excavation and dye/flush testing performed as part of the Supplemental RI identified twenty previously unknown storm water drainage structures and one previously unknown industrial leaching pool. No evidence indicating the storm water drainage structures had received discharges from within the build was identified.

PCE and its degradation products were detected at concentrations below their respective Unrestricted Use SCOs in samples collected from ten storm water drainage structures (DW-03, 06, 07(SD_3), 10, 15, 16, 17, 18, 19 & SD-1) and one industrial leaching pool (LP-01). With the exception of LP-01, all of these structures are classified as storm water drainage structures that received surface runoff and were not connected to drains from within the building. Leaching pool LP-01 was a buried structure, with no cover to grade, and it only received discharge from a drain within the southwestern corner of the building. Based on the locations of the structures impacted with PCE, in the western and southern parking lot areas, the fairly low concentrations of PCE detected and the shallow groundwater table at the site, it appears likely that low level PCE impact in these structures is related to groundwater impact at the site. PCE and its degradation products were not detected at concentrations exceeding their respective Unrestricted Use SCOs in samples collected from subsurface drainage structures at the subject site.

A total 26 storm water (DW-01, DW-02, DW-07, DW-10, DW-11, DW-14, DW-17, DW-19, DW-20, DW-21, DW-23, DW-24, DW-26, DW-28, DW-30, DW-31, DW-32, DW-33, DW-34, DW-35, DW-36, DW-37, DW-38, DW-39, DW-40, & DW-43) drainage structures and one industrial leaching pool (LP-1) at the site were determined to be impacted with VOCs other than PCE and its degradation products, SVOCs and/or metals at concentrations exceeding their respective Unrestricted Use SCOs. The compounds detected are typically associated with run-off from parking areas.

5.1.3 Groundwater

The March 2004 RI identified a shallow groundwater plume of PCE and its degradation products emanating from the source area beneath the southwestern portion of the warehouse building. PCE concentrations in the source area were reported at or above the pure product solubility, providing evidence of DNAPL in this area. At that time, the plume appeared to be migrating south toward the MTA Long Island Bus Depot. PCE was detected at concentrations as high as 28,000 ppb at the southern property boundary and 8,600 ppb at the western property boundary.

Analytical data for fourteen shallow groundwater samples collected as part of this Supplemental RI confirmed the findings of the March 2004 RI, identifying a plume of PCE and its degradation products in shallow groundwater at the site.

It appears that the plume of impacted shallow groundwater originating from the source area beneath the southwestern portion of the warehouse building may currently be migrating off-site to the south.

Elevated concentrations of PCE and/or its degradation products were detected in nineteen of 30 groundwater samples collected from below the clay layer present at the site. In deep groundwater, peak concentrations of PCE were detected at a depth of approximately 36 to 40 feet below grade at VP-02, adjacent to the southern property boundary. PCE was not detected in groundwater samples from VP-04, which was the vertical profile located furthest to the east. PCE and its degradation products were not detected in monitoring wells (MW-7, MW-8 and MW-9) located in the northern portion of the site, which were screened beneath the clay layer.

Based on the historic use of the property, plume(s) originating at the site may have been in transit for 30 to 36 years, starting sometime prior to 1978. The extent of off site groundwater impact will be determined by the off-site (OU2) investigation.

In addition to VOCs, samples collected from each of the five monitoring wells present at the site (MW-1, MW-2, MW-4, MW-5 and MW-6) were also analyzed for SVOCs, metals, pesticides and PCBs. SVOCs, pesticides and PCBs were not detected at concentrations exceeding the laboratory MDL in shallow groundwater samples collected from the site. One or more metal, including aluminum, arsenic, beryllium, cadmium, chromium, iron, lead, magnesium, manganese, mercury and nickel, were detected at a concentration exceeding its NYSDEC AWQS in each of the shallow groundwater samples submitted for analysis. Due to the turbidity of the groundwater samples

collected, and the possibility that metals detected at elevated concentrations were related to suspended solids in the samples rather than actual dissolved metals impact, monitoring wells MW-4, MW-5 and MW-6 were re-sampled and laboratory filtered samples were analyzed for dissolved metals content. Elevated metals concentrations were not detected in filtered samples, indicating that previously identified metals impact was likely related to suspended solids in the samples rather than actual dissolved metals impact.

5.1.4 Soil Vapor

Elevated PCE concentrations were detected in four of twelve soil-vapor samples collected from the site. PCE and/or its degradation products were detected at concentrations exceeding their respective USEPA Guidance Value (as listed for the 10^{-5} risk level) in soil-vapor samples collected at sampling points SG-2008-03, SG-2008-09, SG-2008-11 and SG-2008-12. With the exception of SG-2008-12, each of the soil-vapor samples was collected adjacent to the proposed IRM excavation area. Soil-vapor sample SG-2008-11, the soil-vapor sample collected nearest the proposed excavation area exhibited the highest PCE concentration detected at 1,680,000 ug/m3.

5.2 Recommendations

The Brownfield Cleanup Program defines the investigation/cleanup responsibilities required of the volunteer applicant and those assigned to the responsible party and/or the NYSDEC. Recommendations for further investigation and remediation, as detailed below, are grouped accordingly.

Potential remedial activities to address on-site soil and groundwater impact will be detailed in a Remedial Work Plan for the site, to be prepared in accordance with the NYSDEC Draft Brownfield Cleanup Program Guide (May 2004), NYSDEC 6 NYCRR Part 375-1 (December 14, 2006), and NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation (December 25, 2002).

5.2.1 Responsible Party

Delineation of Off-Site Groundwater Impact

The results of this Supplemental RI demonstrate that groundwater impact in excess of NYSDEC AWQS extends off site to the south and west of the subject property both above and, to a lesser extent below the clay confining layer. Based on the historic use of the property, impacted groundwater may have been in transit for 30 to 36 years, starting sometime prior to 1978. The off-site downgradient extent of the plume will be investigated under the OUIII off-site Remedial Investigation.

Delineation of Off-Site Soil Vapor Impact

PCE was detected in soil vapor in samples collected adjacent to the southern property boundary. The off site extent of soil vapor impact should be further investigated under the OU II Off-Site Remedial Investigation.

5.2.2 Volunteer

Subsurface Drainage Structure Remediation and Closure

VOCs, SVOCs and/or metals were detected at concentrations exceeding their respective Unrestricted Use SCOs in samples collected from 25 of 42 storm water drainage structures and the sole industrial wastewater leaching

pool present at the subject property. Impacted structures should be remediated in accordance with USEPA Underground Injection Control (UIC) Program procedures and abandoned if no longer needed.

Groundwater

VOCs, SVOCs and/or metals were detected at concentrations exceeding their respective NYSDEC AWQS at 16 locations throughout the southwestern corner of the site, both above and, and to a lesser extent, below the clay. However, no VOCs were detected above AWQS in samples collected from the northern portion of the property, to the north of the Parcel Line (see **Figure 7**), and a second round of laboratory filtered groundwater samples showed a decrease in metals concentrations below AWQS. The upcoming IRM will address VOC impacted groundwater through extensive dewatering and chemical oxidant treatment. The need for additional treatment, of impacted groundwater in the southwestern corner of the site, will be evaluated under the Remedial Action Work Plan for the site.

Interim Remedial Measure

Based on previous characterizations of the source area beneath the building, which identified DNAPL and sorbed phase VOCs below the water table, the RI report recommended implementation of an Interim Remedial Measure (IRM) to remove the source of groundwater impact from the southwestern corner of the site. PWGC submitted to NYSDEC a proposed IRM consisting of the installation extraction of product recovery wells to recover mobile DNAPL on top of the clay layer, followed by soil excavation within the primary source area. The IRM was approved by the NYSDEC in May 2006 and later amended with NYSDEC approval in April 2009.

Based on previous investigations, it appeared that the topography of the clay surface beneath the building formed a bowl shape in the vicinity of soil boring B3, which could potentially restrict the movement of mobile DNAPL away from the source area. As such, the IRM called for the installation of DNAPL recovery wells in this area. Since it was expected that the amount of mobile DNAPL would be limited, event based recovery methods (e.g., product bailing) were recommended rather than the installation of an automated recovery system. The intended purpose of removing mobile DNAPL was to reduce the possibility of DNAPL migration during soil excavation.

The IRM specified the excavation and disposal of approximately 9,000 cubic yards of impacted soil from the site (in conjunction with dewatering activities) to eliminate the bulk of the presumed source area followed by the application of chemical oxidants to treat residual PCE impact.

To date, six DNAPL recovery wells have been installed within the source area beneath the southwestern portion of the warehouse building and product recovery has been implemented. The following phases of the IRM, including dewatering, soil excavation and off-site disposal, chemical oxidant injections, and backfilling are scheduled to be implemented in the coming months. Following the completion of the IRM, field observations, endpoint analytical results and site activities will be summarized in a Remedial Action Work Plan (RAWP). The RAWP will also detail remedial technologies and methods to address any residual PCE impact or newly identified environmental areas if concern as detailed in this Supplemental Remedial Investigation Report.

Future Site Development Activities

The results of the investigation indicate that there are no areas of contaminated soil, groundwater or soil vapor impact in the northern portion of the site (north of the Parcel Line). In light of these findings, there is no evidence from an engineering standpoint as to why, upon NYSDEC approval of this Supplemental Remedial Investigation Report, site development activities, including the start of construction of the planned garage structure and other components of the planned development, including the residential apartment building, should not commence in the northern portion of the site at the same time that remediation is taking place in the southern portion of the site. Consistent with sound engineering practice, a vapor mitigation system will be incorporated into the building design. Any subsurface drainage structures which may be disturbed during or otherwise need to be abandoned for upcoming construction activities, will be properly remediated, if necessary, and abandoned in accordance with USEPA UIC Program procedures.

Following completion of the IRM, additional information will be available to determine what if any, additional remedial activities and/or engineering controls may be warranted in the southwestern portion of the site. Based upon the contaminants observed during this and previous investigations, it is anticipated that additional remedial measures may be warranted in the southern portion of the site. Appropriate remedial alternatives will be detailed in the RAWP to be submitted to the Department after completion of the IRM.

6.0 REFERENCES

EcolSciences, Inc., Phase I Environmental Site Assessment for 80-100 Banks Avenue, Rockville Centre, New York, March 28, 2002

EcolSciences, Inc., Phase II Environmental Investigation Report for 80-100 Banks Avenue, Rockville Centre, New York, January 2004

Melick-Tully and Associates, Inc., Preliminary Soils and Foundation Investigation Report, 80-100 Banks Avenue, Rockville Centre, New York, April 4, 2002

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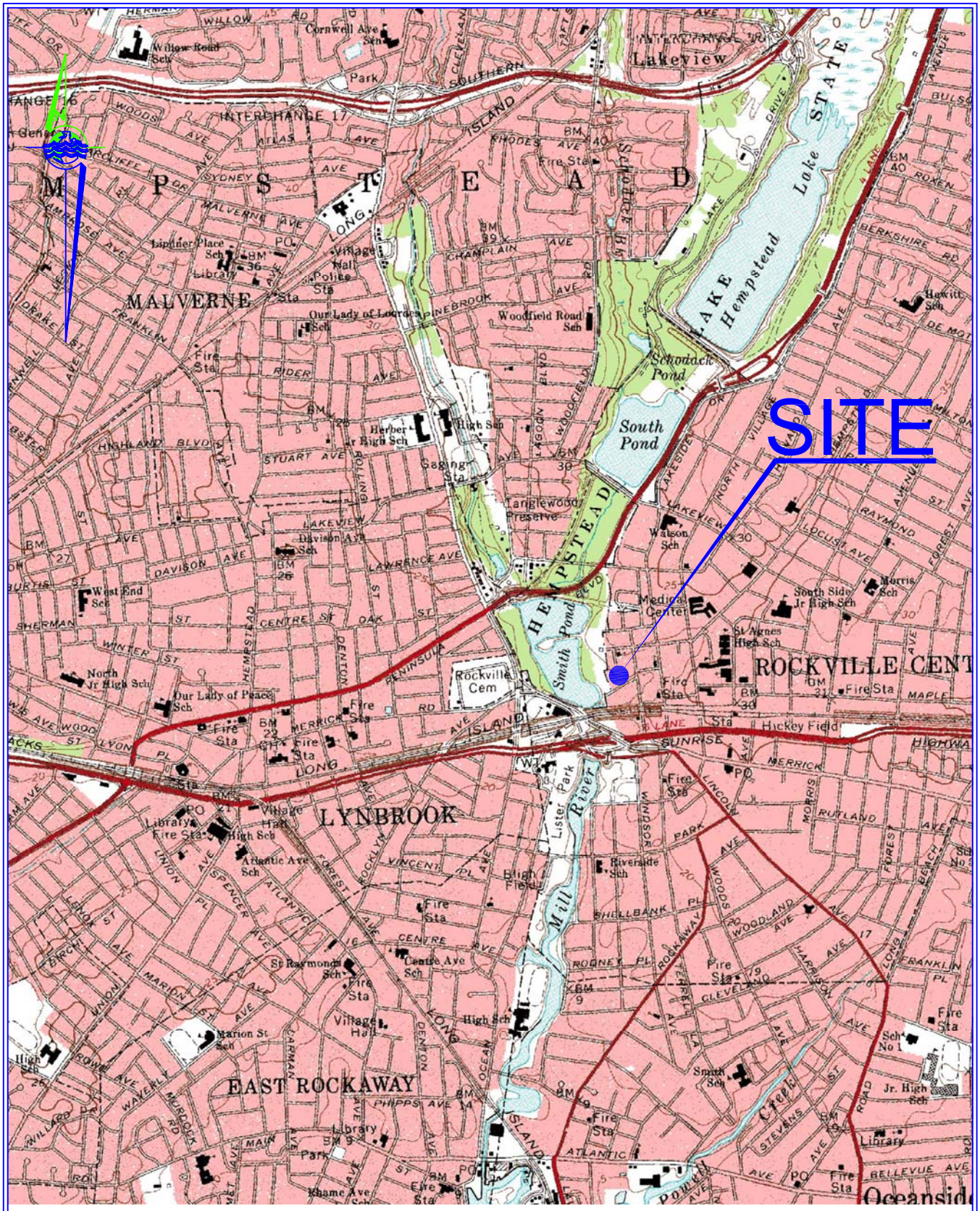
NYSDEC, Division of Water, Technical and Operational Guidance Series (TOGS) 1:1:1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, April 2000 Addendum

P.W. Grosser Consulting, Inc. September, 2004. Remedial Investigation Report, 80-100 Banks Avenue, Rockville Centre, New York

P.W. Grosser Consulting, Inc. September, 2004. Proposed Interim Remedial Measure, 80-100 Banks Avenue, Rockville Centre, New York.

FIGURES



Mapped, edited, and published by the Geological Survey
Revised in cooperation with New York Department of Transportation
Control by USGS, USC&GS, and New Jersey Geodetic Survey

VICINITY MAP

SCALE: 1:24,000

J:Projects A-D\AVB\Suppl RI Report\CAD\Vicinity Map.dwg

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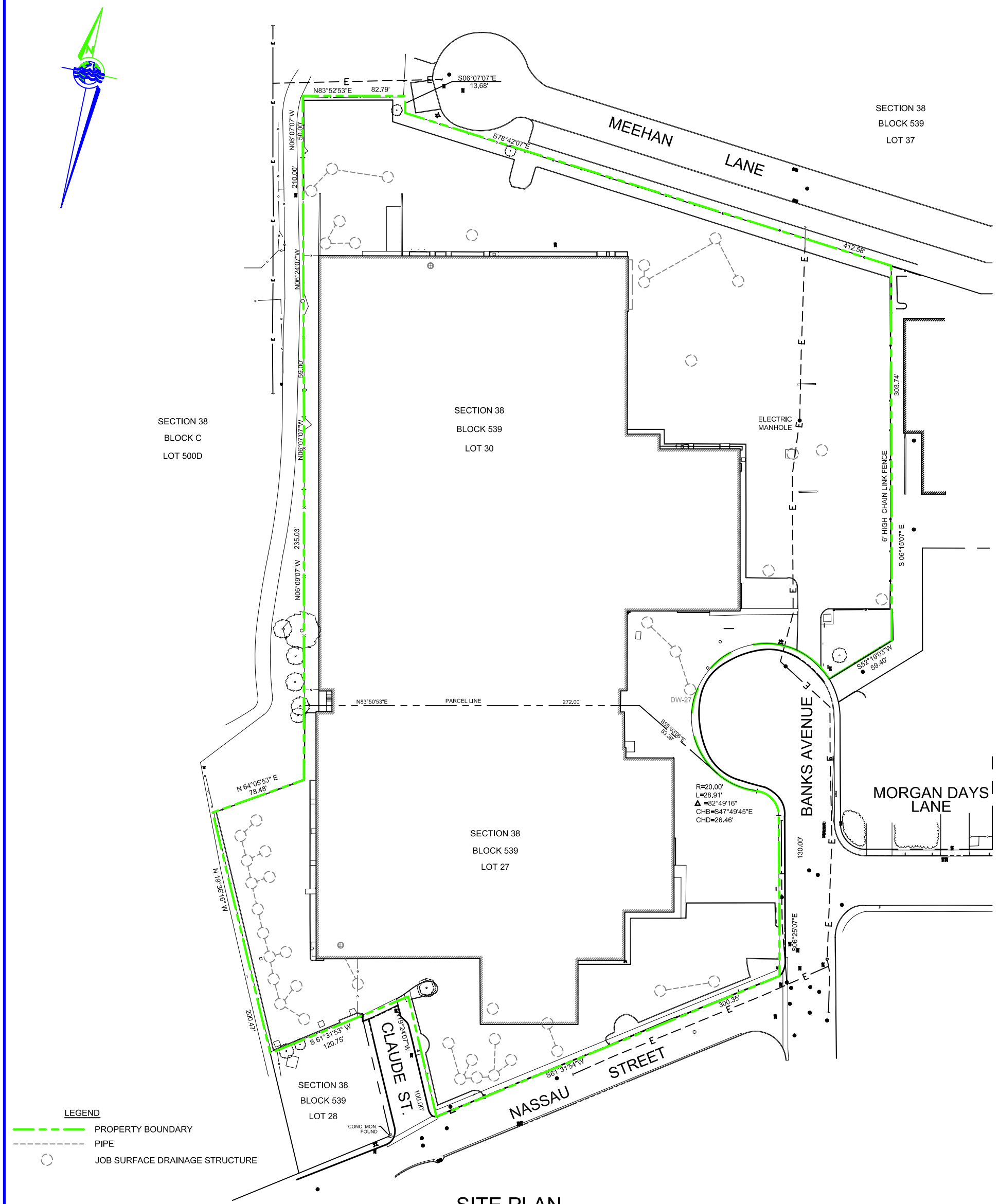
80-100 BANKS AVENUE
ROCKVILLE CENTRE, NY

Project: AVB0801	Figure No: 1
Designed by: TM	
Approved By: PWG	
Drawn By: LLG	Date: 11/7/08



SITE PLAN

SCALE: 1"=80'

0 80 160

SCALE: 1" = 80'

J:\Projects A-D\AVB\0801\Reports-work plans-field notes-photos\Suppl RI Report\Draft SRI\CAD\dwgs as of 9-17-09\Base site plan.dwg (11x17V) Oct 15,2009-1:43pm By: guzman

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REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION

PROJECT:	AVB0801	APPROVED BY:	PWG
DESIGNED BY:	KEA	DATE:	9/15/08
DRAWN BY:	LLG	SCALE:	AS SHOWN

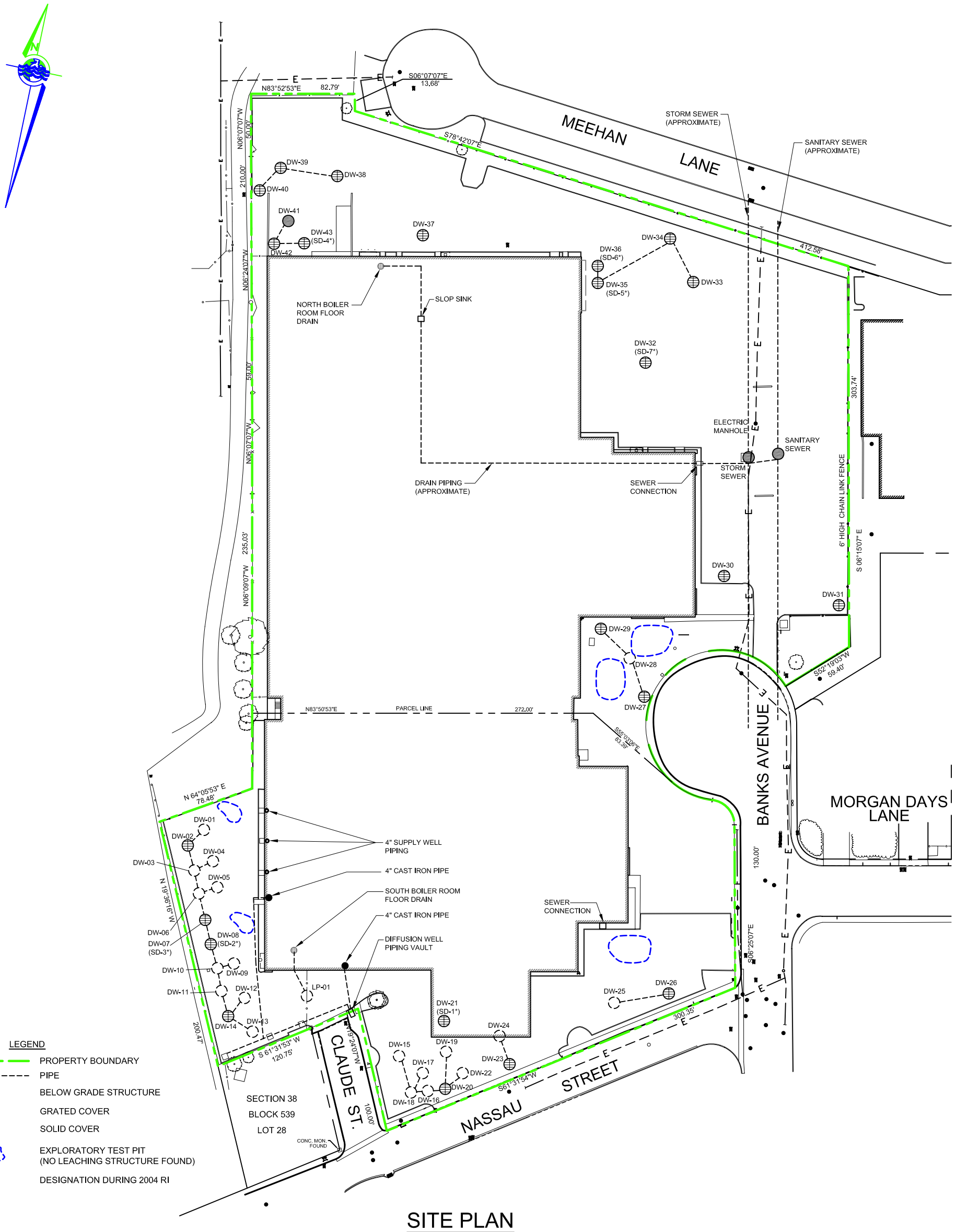
SHEET TITLE

SITE PLAN

80-100 BANKS AVENUE
ROCKVILLE CENTRE, NY

FIGURE NO 2

SHEET OF



SITE PLAN

SCALE: 1"=80'

0 80 160

SCALE: 1" = 80'

J:\Projects A-D\AVB\0801\Reports-work plans-field notes-photos\Suppl RI Report\Draft SRI\CAD\dwgs as of 9-17-09\Sub Surface Drainage.dwg (11x17V) Oct 15,2009-2:07pm By: guzman

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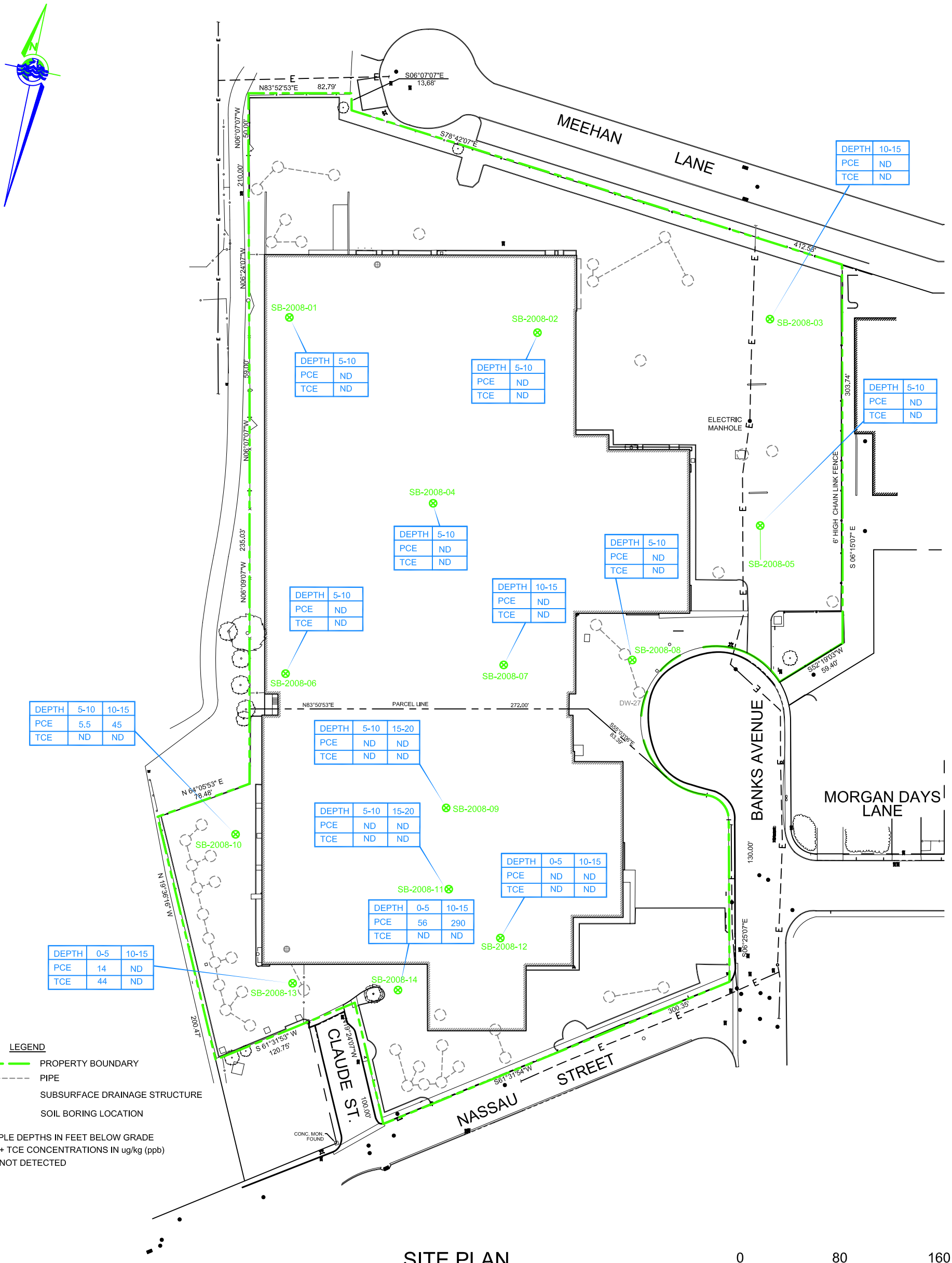
SHEET TITLE

SUBSURFACE DRAINAGE STRUCTURE LOCATIONS

80-100 BANKS AVENUE
ROCKVILLE CENTRE, NY

FIGURE NO 3

SHEET OF



SITE PLAN

SCALE: 1"=80'

0 80 160

SCALE: 1" = 80'

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DESIGNED BY:	KEA	DATE:	9/15/08
DRAWN BY:	LLG	SCALE:	AS SHOWN

SHEET TITLE

SOIL BORING LOCATIONS

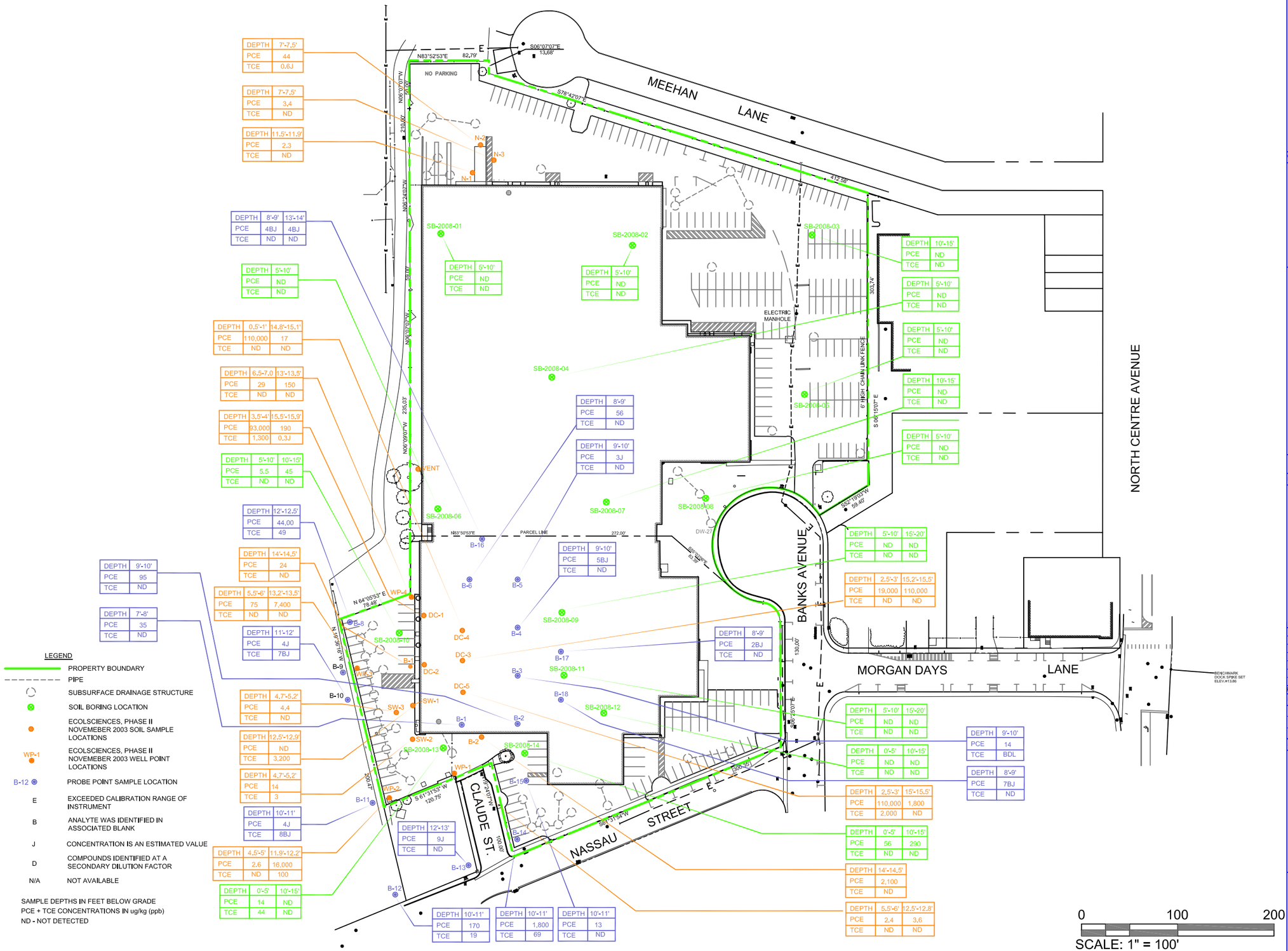
80-100 BANKS AVENUE
ROCKVILLE CENTRE, NY

FIGURE NO

4

SHEET OF

J:\Projects A-D\AVB\80801\Reports-work plans-field notes-photos \Suppl RI Report\Draft SRI\CAD\dwgs as of 9-17-09\Historic soil sample loc results.dwg (11x17H) Oct 15,2009-2:00pm By: guzman



DEPTH	7'-7.5'
PCE	44
TCE	0.6J

DEPTH	7'-7.5'
PCE	3.4
TCE	ND

DEPTH	11.5'-11.9'
PCE	2.3
TCE	ND

DEPTH	8'-9'	13'-14'
PCE	4BJ	4BJ
TCE	ND	ND

DEPTH	5'-10'
PCE	ND
TCE	ND

DEPTH	0.5'-1'	14.8'-15.1'
PCE	110,000	17
TCE	ND	ND

DEPTH	6.5-7.0	13'-13.5'
PCE	29	150
TCE	ND	ND

DEPTH	3.5'-4'	15.5'-15.9'
PCE	93,000	190
TCE	1,300	0.3J

DEPTH	5'-10'	10'-15'
PCE	5.5	45
TCE	ND	ND

DEPTH	12'-12.5'
PCE	44,00
TCE	49

DEPTH	14'-14.5'
PCE	24
TCE	ND

DEPTH	5.5'-6'	13.2'-13.5'
PCE	75	7,400
TCE	ND	ND

DEPTH	11'-12'
PCE	4J
TCE	7BJ

DEPTH	4.7'-5.2'
PCE	4,4
TCE	ND

DEPTH	12.5'-12.9'
PCE	ND
TCE	3,200

DEPTH	4.7'-5.2'
PCE	14
TCE	3

DEPTH	10'-11'
PCE	4J
TCE	8BJ

DEPTH	4.5'-5'	11.9'-12.2'
PCE	2.6	16,000
TCE	ND	100

DEPTH	0'-5'	10'-15'
PCE	14	ND
TCE	44	ND

DEPTH	9'-10'
PCE	95
TCE	ND

DEPTH	7'-8'
PCE	35
TCE	ND

DEPTH	5'-10'
PCE	ND
TCE	ND

DEPTH	5'-10'
PCE	ND
TCE	ND

DEPTH	8'-9'
PCE	56
TCE	ND

DEPTH	9'-10'
PCE	3J
TCE	ND

DEPTH	9'-10'
PCE	5BJ
TCE	ND

DEPTH	8'-9'
PCE	2BJ
TCE	ND

DEPTH	12'-13'
PCE	9J
TCE	ND

DEPTH	10'-11'	10'-11'
PCE	170	1,800
TCE	19	69

DEPTH	10'-11'
PCE	13
TCE	ND

DEPTH	10'-15'	
PCE	ND	
TCE	ND	

DEPTH	5'-10'	
PCE	ND	
TCE	ND	

DEPTH	5'-10'	
PCE	ND	
TCE	ND	

DEPTH	10'-15'	
PCE	ND	
TCE	ND	

DEPTH	5'-10'	
PCE	ND	
TCE	ND	

DEPTH	5'-10'	15'-20'
PCE	ND	ND
TCE	ND	ND

DEPTH	2.5'-3'	15.2'-15.5'
PCE	19,000	110,000
TCE	ND	ND

DEPTH	5'-10'	15'-20'
PCE	ND	ND
TCE	ND	ND

DEPTH	9'-10'	
PCE	14	
TCE	BDL	

DEPTH	0'-5'	10'-15'
PCE	ND	ND
TCE	ND	ND

DEPTH	8'-9'	
PCE	7BJ	
TCE	ND	

DEPTH	2.5'-3'	15'-15.5'
PCE	110,000	1,800
TCE	2,000	ND

DEPTH	0'-5'	10'-15'
PCE	56	290
TCE	ND	ND

DEPTH	14'-14.5'	
PCE	2,100	
TCE	ND	

DEPTH	5.5'-6'	12.5'-12.8'
PCE	2.4	3.6
TCE	ND	ND

LEGEND

- PROPERTY BOUNDARY
- PIPE
- SUBSURFACE DRAINAGE STRUCTURE
- SOIL BORING LOCATION
- ECOLSCIENCES, PHASE II NOVEMEBER 2003 SOIL SAMPLE LOCATIONS
- WP-1 ECOLSCIENCES, PHASE II NOVEMEBER 2003 WELL POINT LOCATIONS
- B-12 PROBE POINT SAMPLE LOCATION
- E EXCEEDED CALIBRATION RANGE OF INSTRUMENT
- B ANALYTE WAS IDENTIFIED IN ASSOCIATED BLANK
- J CONCENTRATION IS AN ESTIMATED VALUE
- D COMPOUNDS IDENTIFIED AT A SECONDARY DILUTION FACTOR
- N/A NOT AVAILABLE

SAMPLE DEPTHS IN FEET BELOW GRADE
PCE + TCE CONCENTRATIONS IN ug/kg (ppb)
ND - NOT DETECTED

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DESIGNED BY:	KEA	DATE:	3/19/09
DRAWN BY:	LLG	SCALE:	AS SHOWN

SHEET TITLE

HISTORIC SOIL SAMPLE LOCATIONS AND RESULTS

80-100 BANKS AVENUE ROCKVILLE CENTRE, NY

FIGURE NO
5

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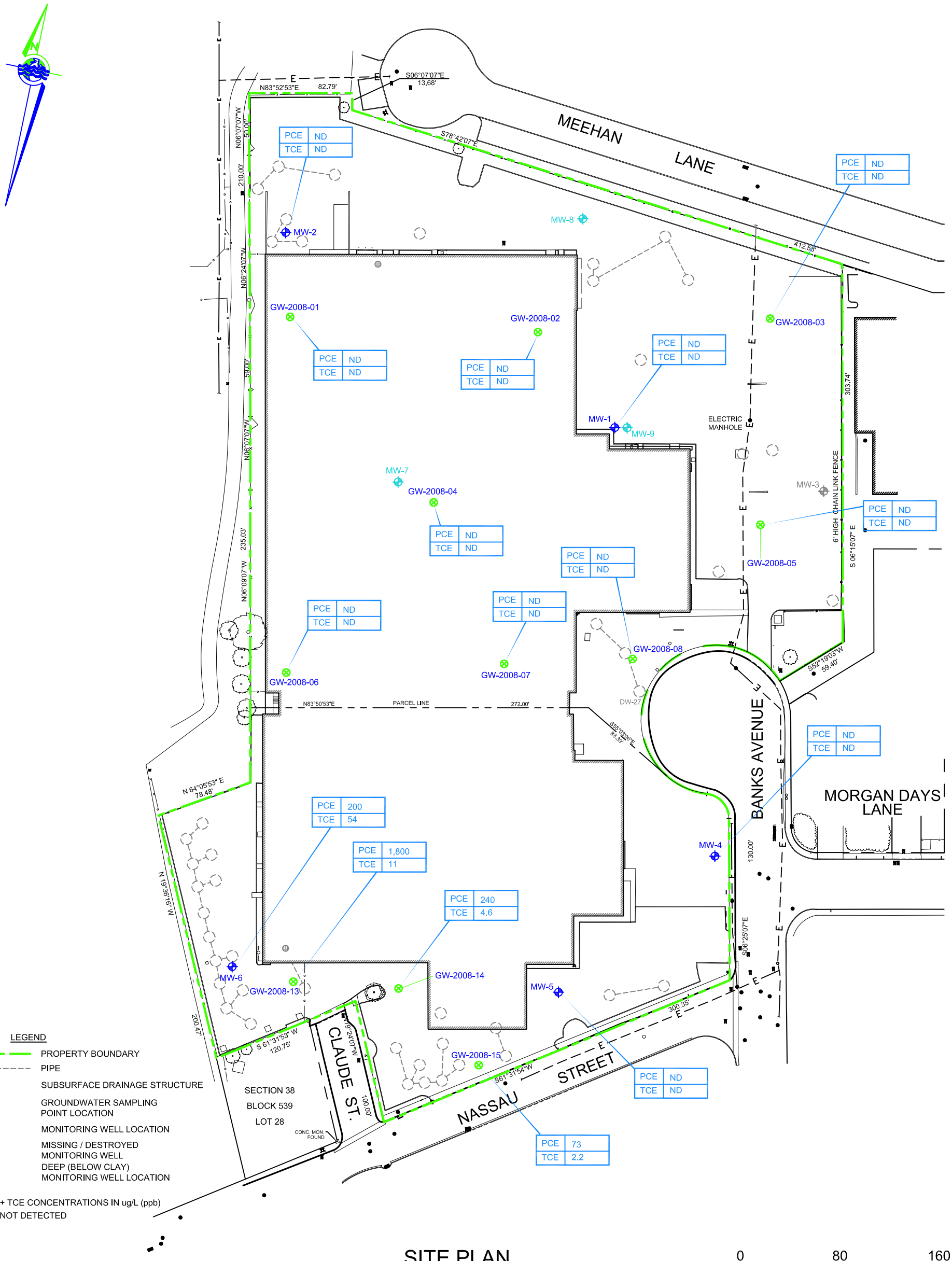

SITE PLAN

SCALE: 1"=80'

0 80 160

SCALE: 1" = 80'

J:\Projects A-D\AVB\0801\Reports-work plans-field notes-photos\Suppl RI Report\Draft SRI\CAD\dwgs as of 9-17-09\Groundwater sample loc.dwg (11x17V) Oct 15,2009-1:55pm By: guzman

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DESIGNED BY:	KEA	DATE:	9/15/08
DRAWN BY:	LLG	SCALE:	AS SHOWN

SHEET TITLE

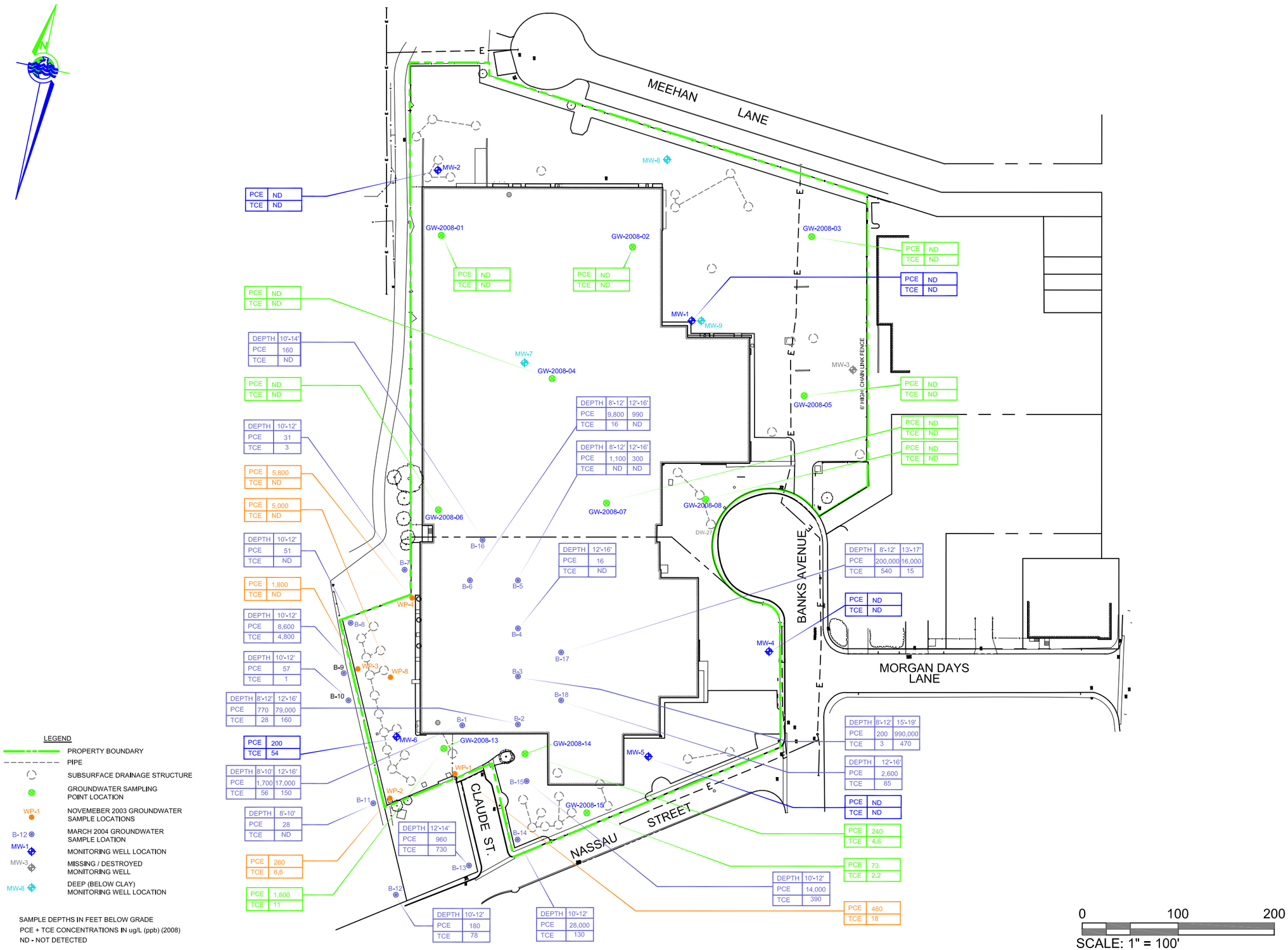
SHALLOW GROUNDWATER SAMPLE LOCATIONS

80-100 BANKS AVENUE
ROCKVILLE CENTRE, NY

FIGURE NO

6

SHEET OF



LEGEND

- PROPERTY BOUNDARY
- PIPE
- SUBSURFACE DRAINAGE STRUCTURE
- GROUNDWATER SAMPLING POINT LOCATION
- WP-1 — NOVEMEBER 2003 GROUNDWATER SAMPLE LOCATIONS
- B-12 — MARCH 2004 GROUNDWATER SAMPLE LOATION
- MW-1 — MONITORING WELL LOCATION
- MW-3 — MISSING / DESTROYED MONITORING WELL
- MW-8 — DEEP (BELOW CLAY) MONITORING WELL LOCATION

SAMPLE DEPTHS IN FEET BELOW GRADE
PCE + TCE CONCENTRATIONS IN ug/L (ppb) (2008)
ND - NOT DETECTED

J:\Projects A-D\AVB\08001\Reports-work plans-field notes-photos\Suppl RI Report\Draft SRI\CAD\dwgs as of 9-17-09\Historic GW sample loc results.dwg (11x17H) Oct 15,2009-1:58pm By: guzman

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PROJECT:	AVB0801	APPROVED BY:	PWG
DESIGNED BY:	KEA	DATE:	9/17/09
DRAWN BY:	LLG	SCALE:	AS SHOWN

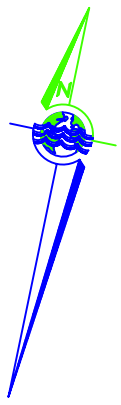
SHEET TITLE

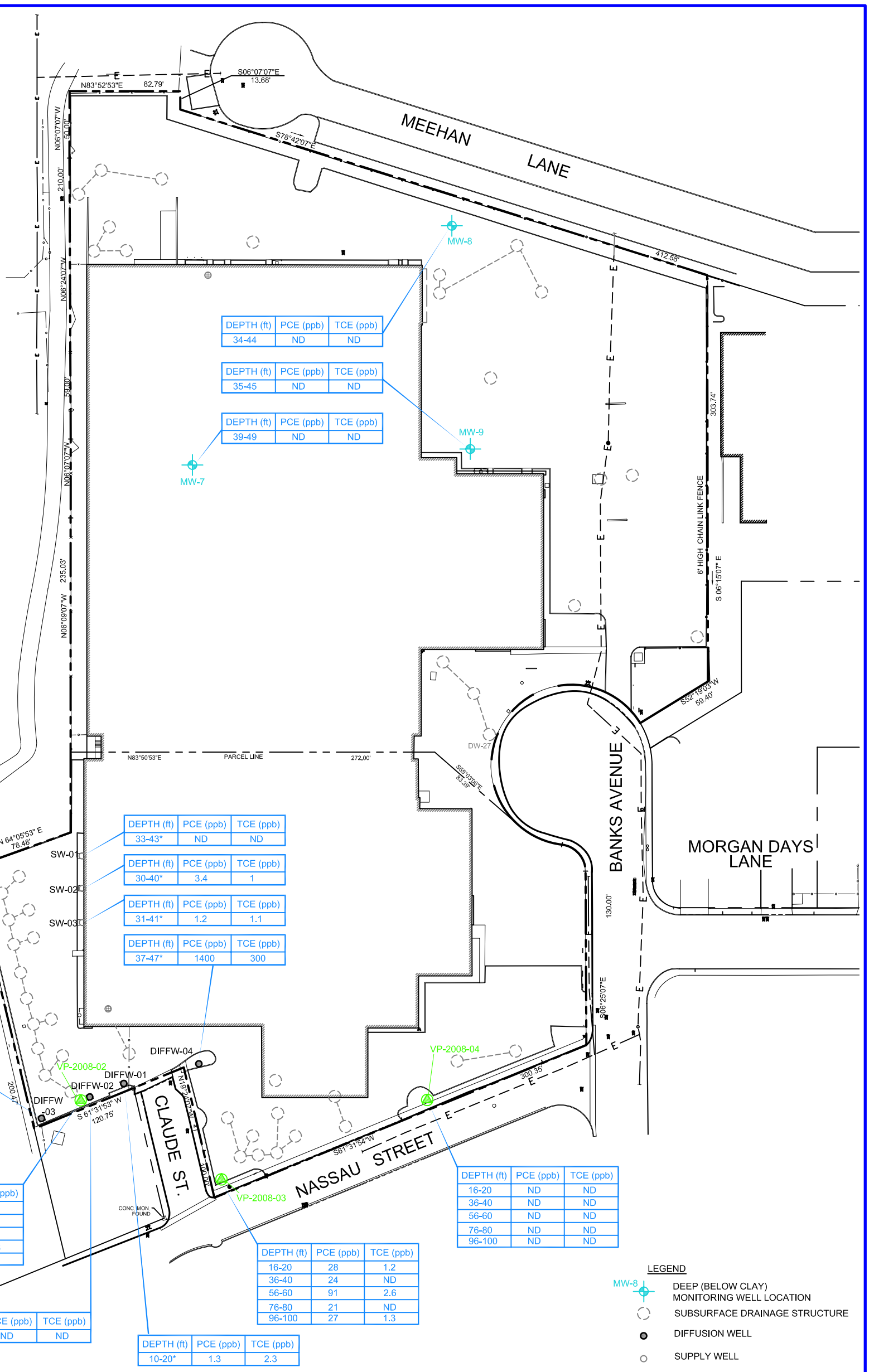
HISTORIC GROUNDWATER SAMPLE LOCATIONS AND RESULTS

80-100 BANKS AVENUE ROCKVILLE CENTRE, NY

FIGURE NO
7

SHEET OF





DEPTH (ft)	PCE (ppb)	TCE (ppb)
34-44	ND	ND

DEPTH (ft)	PCE (ppb)	TCE (ppb)
35-45	ND	ND

DEPTH (ft)	PCE (ppb)	TCE (ppb)
39-49	ND	ND

DEPTH (ft)	PCE (ppb)	TCE (ppb)
33-43*	ND	ND

DEPTH (ft)	PCE (ppb)	TCE (ppb)
30-40*	3.4	1

DEPTH (ft)	PCE (ppb)	TCE (ppb)
31-41*	1.2	1.1

DEPTH (ft)	PCE (ppb)	TCE (ppb)
37-47*	1400	300

DEPTH (ft)	PCE (ppb)	TCE (ppb)
16-20	13	4.3
36-40	13	1.4
56-60	46	5.6
76-80	100	18
96-100	200	40

DEPTH (ft)	PCE (ppb)	TCE (ppb)
15-25*	ND	2.53

DEPTH (ft)	PCE (ppb)	TCE (ppb)
16-20	210	14
36-40	5,800	98
56-60	420	51
76-80	21	1.6
96-100	280	29

DEPTH (ft)	PCE (ppb)	TCE (ppb)
15-25*	ND	ND

DEPTH (ft)	PCE (ppb)	TCE (ppb)
10-20*	1.3	2.3

DEPTH (ft)	PCE (ppb)	TCE (ppb)
16-20	28	1.2
36-40	24	ND
56-60	91	2.6
76-80	21	ND
96-100	27	1.3

DEPTH (ft)	PCE (ppb)	TCE (ppb)
16-20	ND	ND
36-40	ND	ND
56-60	ND	ND
76-80	ND	ND
96-100	ND	ND

LEGEND

- MW-8 — DEEP (BELOW CLAY) MONITORING WELL LOCATION
- SUBSURFACE DRAINAGE STRUCTURE
- DIFFUSION WELL
- SUPPLY WELL
- PIPE
- DRAIN
- VERTICAL PROFILE GROUNDWATER SAMPLE LOCATIONS
- * APPROXIMATE SCREEN DEPTH

0 80 160

SCALE: 1" = 80'

DEEP GROUNDWATER SAMPLING LOCATIONS

SCALE: 1"=80'

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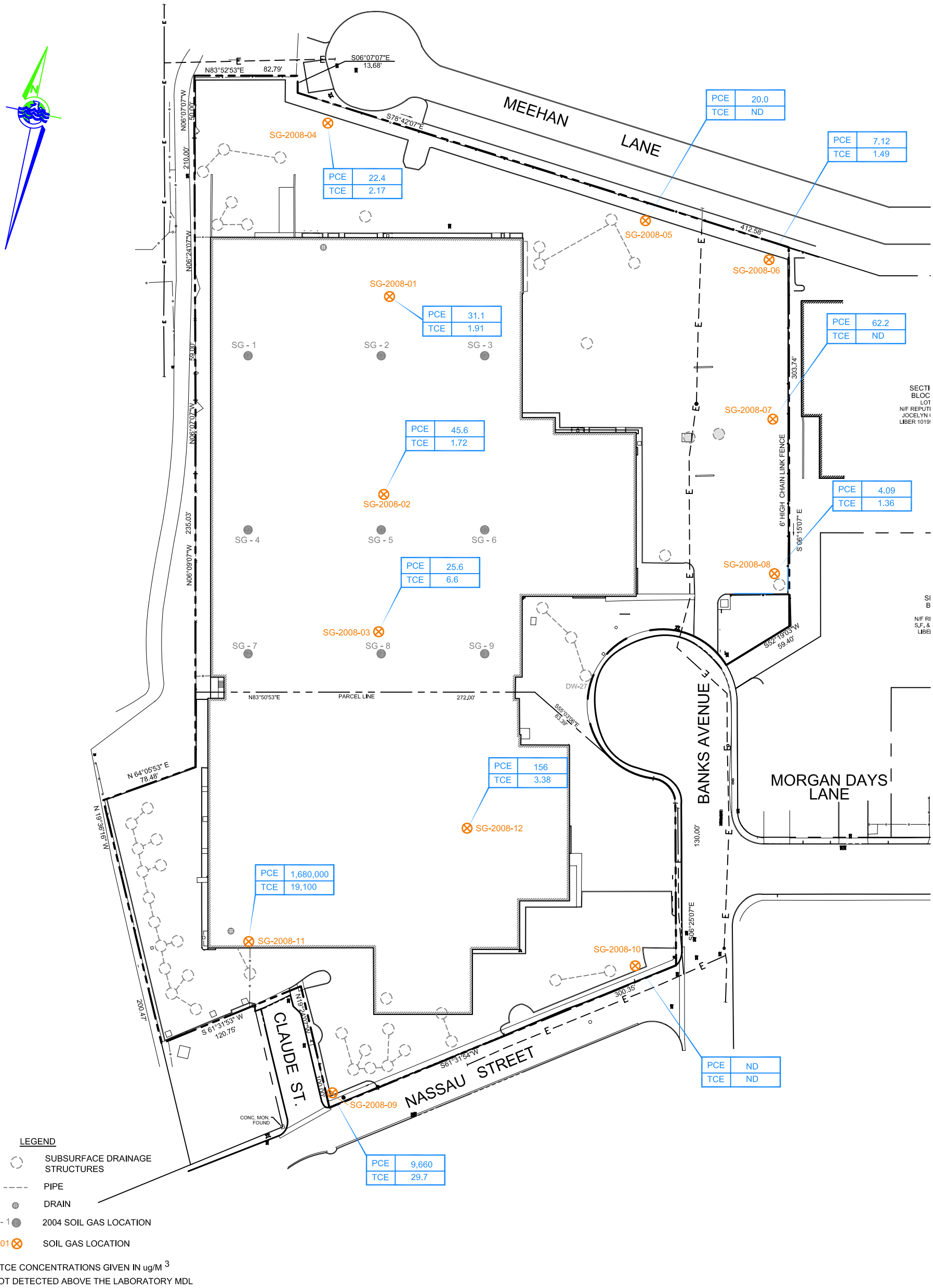
PROJECT:	AVB0801	APPROVED BY:	PWG
DESIGNED BY:	KEA	DATE:	9/12/08
DRAWN BY:	LLG	SCALE:	AS SHOWN

SHEET TITLE

DEEP GROUNDWATER SAMPLE LOCATIONS
80-100 BANKS AVENUE
ROCKVILLE CENTRE, NY

FIGURE NO 8

SHEET OF



PCE + TCE CONCENTRATIONS GIVEN IN ug/M ^{3}

ND - NOT DETECTED ABOVE THE LABORATORY MDL

SOIL GAS SAMPLE LOCATIONS

SCALE: 1"=80'

0 80 160

SCALE: 1" = 80'

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DESIGNED BY:	KEA	DATE:	10/6/08
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SHEET TITLE

SOIL GAS SAMPLING LOCATIONS

80-100 BANKS AVENUE
ROCKVILLE CENTRE, NY

FIGURE NO 9

SHEET OF

AERIAL MAP PROVIDED BY:
GOOGLE MAPS

AERIAL MAP

SCALE: 1"=500'

0 500 1,000

SCALE: 1" = 500'

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DRAWINGS PREPARED FOR

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION

PROJECT:	AVB0801	APPROVED BY:	PWG
DESIGNED BY:	TM	DATE:	11/10/08
DRAWN BY:	LLG	SCALE:	AS SHOWN

SHEET TITLE

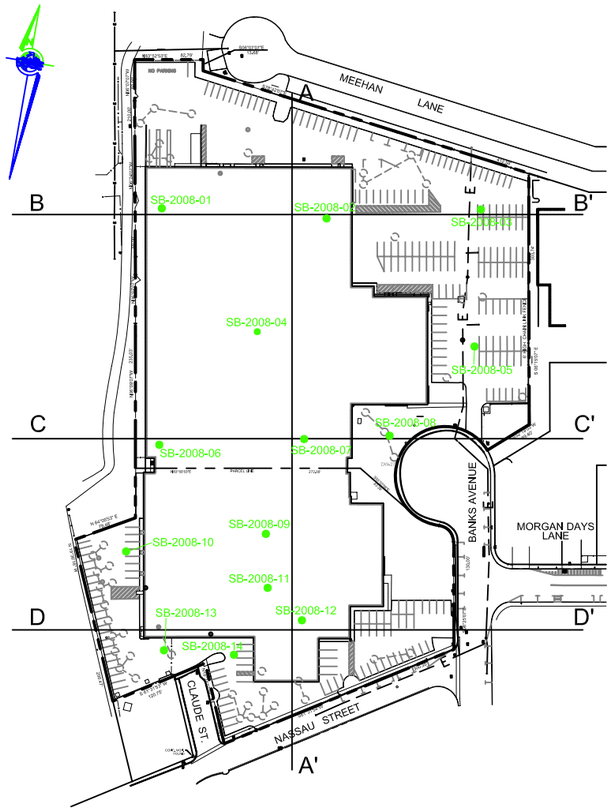
SURROUNDING
LAND USE

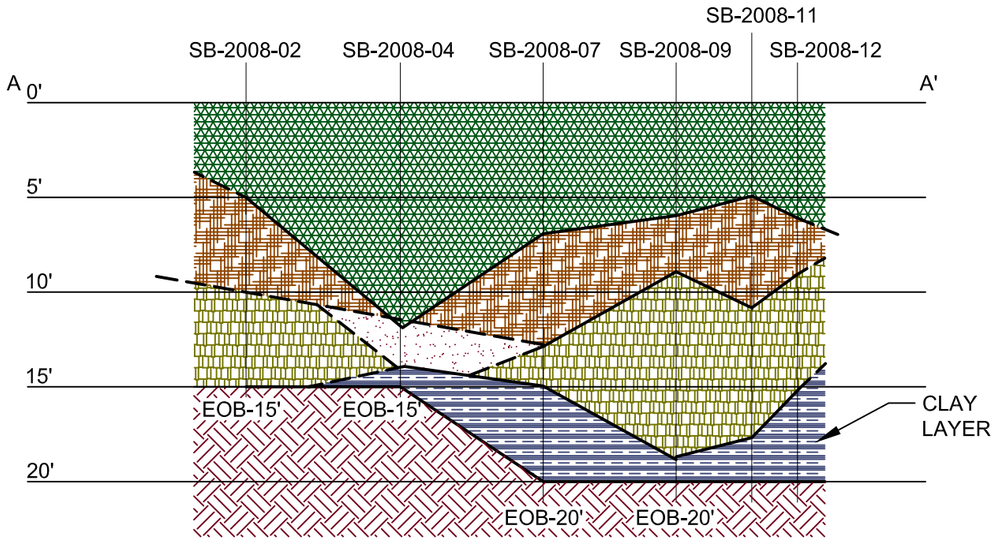
80-100 BANKS AVENUE
ROCKVILLE CENTRE, NY

FIGURE NO
10

SHEET OF

J:\Projects A-D\AVB\0801\Reports-work plans-field notes-photos\Suppl RI Report\Draft SRI\CAD\dwgs as of 9-17-09\Surrounding Land.dwg (11x17H) Oct 26,2009-9:32am By: guzman



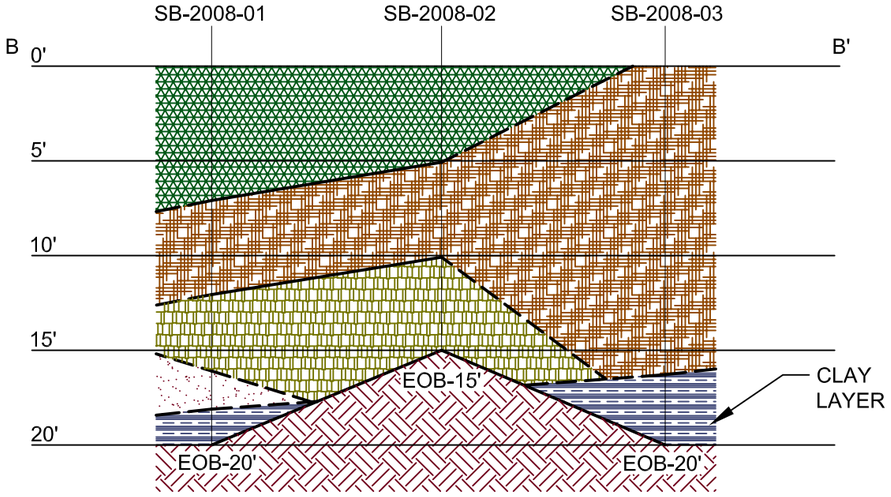


CROSS SECTION A-A'

SCALE = 1:8

LEGEND

- GRAVEL/SAND/SILT MIXTURE
- SILTY SAND
- POORLY GRADED SAND
- WELL GRADED SAND
- CLAY
- NOT SAMPLED
- EOB — END OF BORING



CROSS SECTION B-B'

SCALE = 1:8

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REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION

PROJECT:	AVB0801	APPROVED BY:	PWG
DESIGNED BY:	TM	DATE:	9/14/09
DRAWN BY:	LLG	SCALE:	AS SHOWN

SHEET TITLE

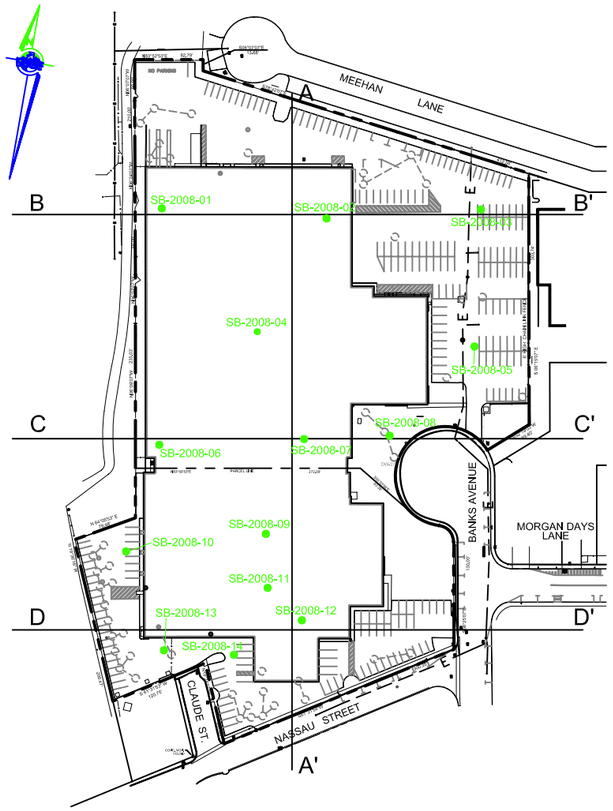
GEOLOGIC CROSS SECTIONS

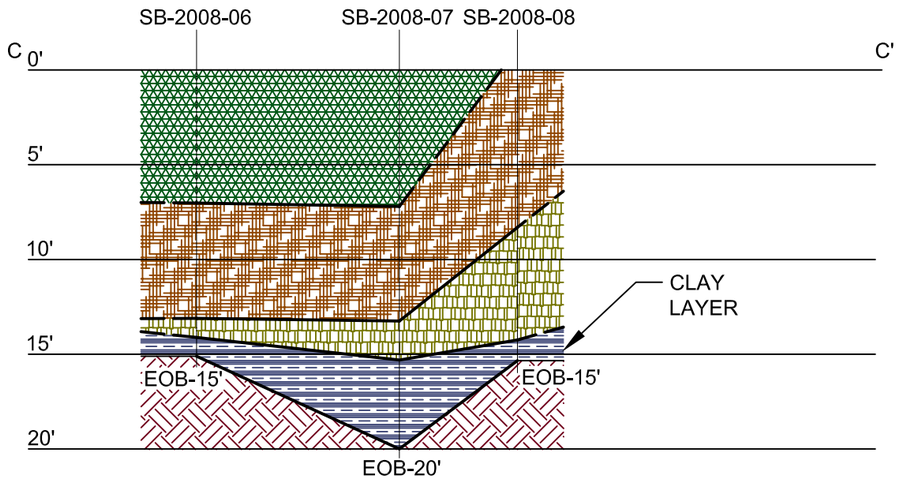
80-100 BANKS AVENUE
ROCKVILLE CENTER, NY

FIGURE NO
11

SHEET OF

J:\Projects A-D\AVB\08001\Reports-work plans-field notes-photos\Suppl RI Report\Draft SRI\CAD\dwgs as of 9-17-09\CROSS SECTIONS.dwg (fig 11) Oct 26,2009-9:19am By: guzman



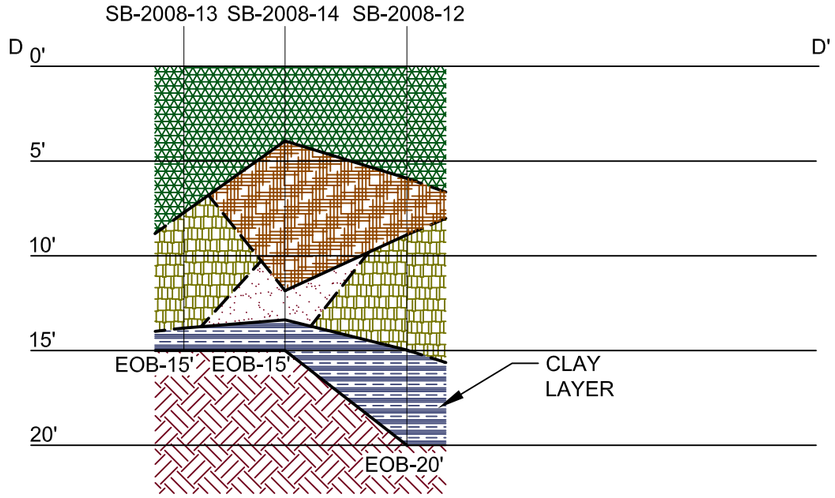


CROSS SECTION C-C'

SCALE = 1:8

LEGEND

- GRAVEL/SAND/SILT MIXTURE
- SILTY SAND
- POORLY GRADED SAND
- WELL GRADED SAND
- CLAY
- NOT SAMPLED
- EOB — END OF BORING



CROSS SECTION D-D'

SCALE = 1:8

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DRAWING INFORMATION

PROJECT:	AVB0801	APPROVED BY:	PWG
DESIGNED BY:	TM	DATE:	9/14/09
DRAWN BY:	LLG	SCALE:	AS SHOWN

SHEET TITLE

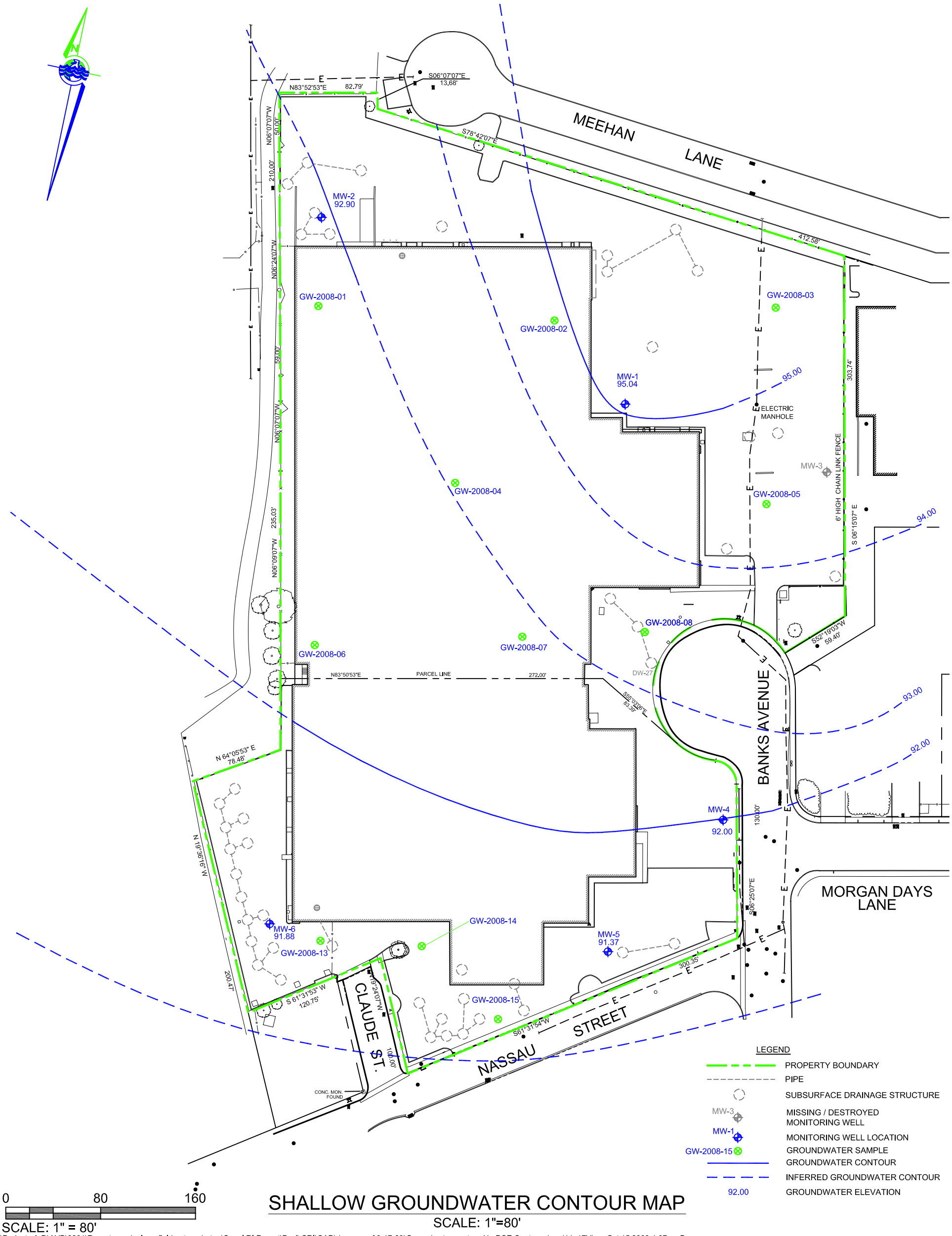
GEOLOGIC CROSS SECTIONS

80-100 BANKS AVENUE
ROCKVILLE CENTER, NY

FIGURE NO
12

SHEET OF

J:\Projects A-D\AVB\08011\Reports-work plans-field notes-photos\Suppl RI Report\Draft SRI\CAD\dwgs as of 9-17-09\CROSS SECTIONS.dwg (fig 12) Oct 26,2009-9:18am By: guzman



SHALLOW GROUNDWATER CONTOUR MAP

SCALE: 1"=80'

J:\Projects A-D\AVB\0801\Reports-work plans-field notes-photos\Suppl RI Report\Draft SRI\CAD\dwgs as of 9-17-09\Groundwater contour No PCE Contour.dwg (11x17V) Oct 15,2009-1:37pm By: guzman

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REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION

PROJECT:	AVB0801	APPROVED BY:	PWG
DESIGNED BY:	KEA	DATE:	9/15/08
DRAWN BY:	LLG	SCALE:	AS SHOWN

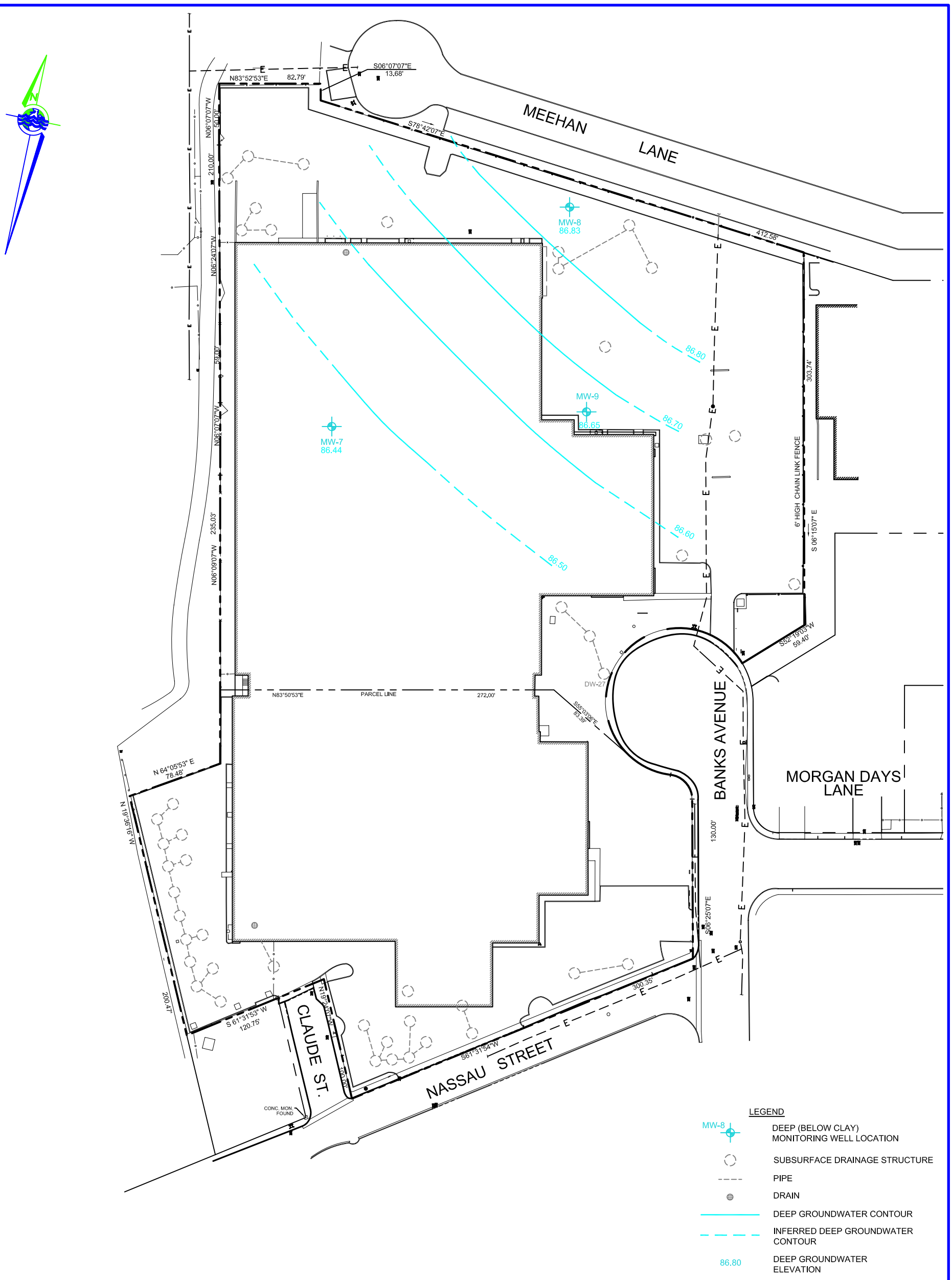
SHEET TITLE

SHALLOW GROUNDWATER CONTOUR MAP (10/3/08)

80-100 BANKS AVENUE
ROCKVILLE CENTRE, NY

FIGURE NO
13

SHEET OF



LEGEND

- MW-8 — DEEP (BELOW CLAY) MONITORING WELL LOCATION
- SUBSURFACE DRAINAGE STRUCTURE
- PIPE
- DRAIN
- DEEP GROUNDWATER CONTOUR
- INFERRED DEEP GROUNDWATER CONTOUR
- 86.80 — DEEP GROUNDWATER ELEVATION

0 80 160

SCALE: 1" = 80'

DEEP GROUNDWATER CONTOUR MAP

SCALE: 1"=80'

J:\Projects A-D\AVB\0801\Reports-work plans-field notes-photos\Suppl RI Report\Draft SRI\CAD\dwgs as of 9-17-09\Deep GW Contour Map.dwg (11x17V) Oct 15,2009-2:18pm By: guzman

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DRAWINGS PREPARED FOR

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION

PROJECT:	AVB0801	APPROVED BY:	PWG
DESIGNED BY:	KEA	DATE:	10/15/09
DRAWN BY:	LLG	SCALE:	AS SHOWN

SHEET TITLE

DEEP GROUNDWATER CONTOUR MAP
AUGUST 20, 2009
80-100 BANKS AVENUE
ROCKVILLE CENTRE, NY

FIGURE NO 14

SHEET OF

TABLES

Table 1
Subsurface Drainage Structure Construction Details
Former Darby Drugs Distribution Center

Structure ID	Alternate ID[1,5]	Finished to Grade	Depth to Buried Cover (feet)	Depth to Bottom from Buried Cover (feet)	Total Depth to Bottom from Grade (feet)	Inside Diameter of Structure (feet)	Liquids Present[1,2] (feet)	Solid Bottom	PID Response[1,3] (ppm)
DW-01		No	2.5	4.75	7.25	8	3	No	0.0
DW-02		Yes	-	-	5.25	8	3	No	0.0
DW-03		No	3	5.25	8.75	8	4	No	0.0
DW-04		No	1.75	5.5	7.25	8	3	No	0.0
DW-05		No	2.75	4	6.75	10	2.25	No	0.0
DW-06		No	2.25	4.5	6.75	8	2.5	No	0.0
DW-07	SD-3	Yes	-	-	6.75	8[4]	3	No	0.0
DW-08	SD-2	Yes	-	-	5.25	8[4]	1.75	No	0.0
DW-09		No	1.75	5	6.75	10	2.25	No	0.0
DW-10		No	1.5	4.75	6.25	10	1.75	No	0.0
DW-11		No	2.25	4.5	6.75	10	2.5	No	0.0
DW-12		No	2.25	5	7.25	10	2.75	No	0.0
DW-13		No	3.25	4	7.25	10	3	No	0.0
DW-14		Yes	-	-	6	8[4]	2.5	No	0.0
DW-15		No	3.25	3.75	7	10	3.25	No	0.0
DW-16		No	2.5	3	5.5	8	1	No	0.0
DW-17		No	2	3.5	5.5	10	1.25	No	0.0
DW-18		Yes	-	-	4	8	0.5	No	0.0
DW-19		No	1.5	3	4.5	8	0.5	No	0.0
DW-20		Yes	-	-	4.5	8[4]	0.75	No	0.0
DW-21	SD-1	Yes	-	-	5	4	1	No	NS
DW-22		No	3.5	1.75	5.25	8	0.75	No	0.0
DW-23		Yes	-	-	3	8	0.5	No	0.0
DW-24		No	2	4	6	8	1.25	No	0.0
DW-25		No	2.5	3.25	5.75	8	1.75	No	0.0
DW-26		Yes	-	-	4.25	10	1.75	No	0.0
DW-27		Yes	-	-	12.5	8[4]	9.5	No	0.0
DW-28		No	3	9	12	8[4]	7	No	0.4
DW-29		Yes	-	-	10	8[4]	5	No	0.0
DW-30		Yes	-	-	8.5	8[4]	2	No	0.0
DW-31		Yes	-	-	8	8[4]	3	No	0.0
DW-32	SD-7	Yes	-	-	10	8[4]	2	No	NS
DW-33		Yes	-	-	7	10	0.5	No	0.0
DW-34		Yes	-	-	5.5	8[4]	1	No	1.0
DW-35	SD-5	Yes	-	-	4	8[4]	0.5	No	NS
DW-36	SD-6	Yes	-	-	3	8[4]	0	No	NS
DW-37		Yes	-	-	11	8[4]	5.5	No	0.0
DW-38		Yes	-	-	7	8[4]	2	No	1.0
DW-39		Yes	-	-	8.5	10	0.5	No	0.0
DW-40		Yes	-	-	6	8	0	No	0.0
DW-41		Yes	-	-	9	8	0	No	0.0
DW-42		Yes	-	-	5	2	0	Yes	0.0
DW-43	SD-4	Yes	-	-	6	8[4]	1	No	NS
LP-01		No	3	4.75	7.75	10	1.75	No	0.0

Notes:
[1]Structure ID during implementation of 2004 Remedial Investigation
[2]Approximate volume of liquids present within structure during sample collection (9/8/08 & 9/10/08)
[3]Highest PID response recorded during sample collection (9/8/08 & 9/10/08)
[4]Estimated diameter

Table 2

Monitoring/Supply/Diffusion Well Elevation and Construction Details

Former Darby Drugs Distribution Center

Well Designation	Well Use	Well Diameter (inches)	Total Depth (feet)	Casing Elevation (feet)	10/3/2008 DTW (feet)	10/3/2008 GW Elevation (feet)	8/20/2009 DTW (feet)	8/20/2009 GW Elevation (feet)
MW-1	Monitoing/Observation	2	18.06	103.56	8.52	95.04	**	**
MW-2	Monitoing/Observation	2	18.04	99.47	6.57	92.90	**	**
MW-3	Monitoing/Observation	2	NA	102.97	**	**	**	**
MW-4	Monitoing/Observation	2	19.39	99.08	7.08	92.00	7.24	91.84
MW-5	Monitoing/Observation	2	19.89	97.76	6.39	91.37	6.79	90.97
MW-6	Monitoing/Observation	2	19.40	97.39	5.51	91.88	5.93	91.46
MW-7	Monitoing/Observation	2	50.92	96.83	**	**	10.39	86.44
MW-8	Monitoing/Observation	2	44.24	96.85	**	**	10.02	86.83
MW-9	Monitoing/Observation	2	46.35	96.79	**	**	10.14	86.65
GW-2008-01	Temporary Sampling Point	0.5	15.00*	NA	11.00*	NA	NA	NA
GW-2008-02	Temporary Sampling Point	0.5	14.00*	NA	11.00*	NA	NA	NA
GW-2008-03	Temporary Sampling Point	0.5	16.00*	NA	12.00*	NA	NA	NA
GW-2008-04	Temporary Sampling Point	0.5	15.00*	NA	11.00*	NA	NA	NA
GW-2008-05	Temporary Sampling Point	0.5	15.00*	NA	11.00*	NA	NA	NA
GW-2008-06	Temporary Sampling Point	0.5	15.00*	NA	11.00*	NA	NA	NA
GW-2008-07	Temporary Sampling Point	0.5	19.00*	NA	11.00*	NA	NA	NA
GW-2008-08	Temporary Sampling Point	0.5	14.00*	NA	12.00*	NA	NA	NA
GW-2008-13	Temporary Sampling Point	0.5	13.00*	NA	9.00*	NA	NA	NA
GW-2008-14	Temporary Sampling Point	0.5	13.00*	NA	9.00*	NA	NA	NA
GW-2008-15	Temporary Sampling Point	0.5	13.00*	NA	9.00*	NA	NA	NA
SW-01	Supply	8	43.30	NA	3.80	NA	3.85	NA
SW-02	Supply	8	40.04	NA	4.20	NA	NA	NA
SW-03	Supply	8	41.64	NA	3.74	NA	NA	NA
DIFFW-01	Diffusion	4	19.82	NA	6.78	NA	6.81	NA
DIFFW-02	Diffusion	4	25.40	NA	5.73	NA	NA	NA
DIFFW-03	Diffusion	4	25.11	NA	6.34	NA	NA	NA
DIFFW-04	Diffusion	4	47.00	NA	7.40	NA	NA	NA

Notes:

NA - Not available

* Approximate measurement

** Well missing/destroyed/not installed

Table 3
Soil Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID LAB SAMPLE ID SAMPLING DATE SAMPLE DEPTH (ft.)	Unrestricted SCO[a]	Restricted Residential SCO[c]	PWG-SB-2008-01 L0813196-20 9/4/2008 5-10	PWG-SB-2008-02 L0813196-08 9/3/2008 5-10	PWG-SB-2008-03 L0813196-03 9/3/2008 10-15	PWG-SB-2008-04 L0813196-10 9/3/2008 5-10	PWG-SB-2008-05 L0813196-01 9/3/2008 5-10
Volatile Organics by EPA 8260B							
Tetrachloroethene	1,300	19,000	3.1 U	2.6 U	3.2 U	2.6 U	3 U
Trichloroethene	470	21,000	3.1 U	2.6 U	3.2 U	2.6 U	3 U
cis-1,2-Dichloroethene	250	100,000	3.1 U	2.6 U	3.2 U	2.6 U	3 U
trans-1,2-Dichloroethene	190	100,000	4.6 U	3.8 U	4.7 U	3.8 U	4.5 U
1,1-Dichloroethene	330	100,000	3.1 U	2.6 U	3.2 U	2.6 U	3 U
Vinyl chloride	20	900	6.2 U	5.1 U	6.3 U	5.1 U	6 U
1,1,1,2-Tetrachloroethane	NS	NS	3.1 U	2.6 U	3.2 U	2.6 U	3 U
1,1,1-Trichloroethane	680	100,000	3.1 U	2.6 U	3.2 U	2.6 U	3 U
1,1,2,2-Tetrachloroethane	NS	NS	3.1 U	2.6 U	3.2 U	2.6 U	3 U
1,1,2-Trichloroethane	NS	NS	4.6 U	3.8 U	4.7 U	3.8 U	4.5 U
1,1-Dichloroethane	270	26,000	4.6 U	3.8 U	4.7 U	3.8 U	4.5 U
1,1-Dichloropropene	NS	NS	15 U	13 U	16 U	13 U	15 U
1,2,3-Trichlorobenzene	NS	NS	15 U	13 U	16 U	13 U	15 U
1,2,3-Trichloropropane	NS	NS	31 U	26 U	32 U	26 U	30 U
1,2,4,5-Tetramethylbenzene	NS	NS	12 U	10 U	13 U	10 U	12 U
1,2,4-Trichlorobenzene	NS	NS	15 U	13 U	16 U	13 U	15 U
1,2,4-Trimethylbenzene	3,600	52,000	15 U	13 U	16 U	13 U	15 U
1,2-Dibromo-3-chloropropane	NS	NS	15 U	13 U	16 U	13 U	15 U
1,2-Dibromoethane	NS	NS	12 U	10 U	13 U	10 U	12 U
1,2-Dichlorobenzene	1,100	100,000	15 U	13 U	16 U	13 U	15 U
1,2-Dichloroethane	20	3,100	3.1 U	2.6 U	3.2 U	2.6 U	3 U
1,2-Dichloropropane	NS	NS	11 U	8.9 U	11 U	8.9 U	10 U
1,3,5-Trimethylbenzene	8,400	52,000	15 U	13 U	16 U	13 U	15 U
1,3-Dichlorobenzene	2,400	49,000	15 U	13 U	16 U	13 U	15 U
1,3-Dichloropropane	NS	NS	15 U	13 U	16 U	13 U	15 U
1,4-Dichlorobenzene	1,800	13,000	15 UJ	13 U	16 U	13 U	15 U
1,4-Diethylbenzene	NS	NS	12 U	10 U	13 U	10 U	12 U
2,2-Dichloropropane	NS	NS	15 U	13 U	16 U	13 U	15 U
2-Butanone	120	100,000	31 U	26 U	32 U	26 U	30 U
2-Hexanone	NS	NS	31 U	26 U	32 U	26 U	30 U
4-Ethyltoluene	NS	NS	12 U	10 U	13 U	10 U	12 U
4-Methyl-2-pentanone	NS	NS	31 U	26 U	32 U	26 U	30 U
Acetone	50	100,000	31 U	26 U	32 U	26 U	30 U
Acrylonitrile	NS	NS	31 U	26 U	32 U	26 U	30 U
Benzene	60	4,800	3.1 U	2.6 U	3.2 U	2.6 U	3 U
Bromobenzene	NS	NS	15 U	13 U	16 U	13 U	15 U
Bromochloromethane	NS	NS	15 U	13 U	16 U	13 U	15 U
Bromodichloromethane	NS	NS	3.1 U	2.6 U	3.2 U	2.6 U	3 U
Bromoform	NS	NS	12 U	10 U	13 U	10 U	12 U
Bromomethane	NS	NS	6.2 U	5.1 U	6.3 U	5.1 U	6 U
Carbon disulfide	NS	NS	31 U	26 U	32 U	26 U	30 U
Carbon tetrachloride	760	2,400	3.1 U	2.6 U	3.2 U	2.6 U	3 U
Chlorobenzene	1,100	100,000	3.1 U	2.6 U	3.2 U	2.6 U	3 U
Chloroethane	NS	NS	6.2 U	5.1 U	6.3 U	5.1 U	6 U
Chloroform	370	49,000	4.6 U	3.8 U	4.7 U	3.8 U	4.5 U
Chloromethane	NS	NS	15 U	13 U	16 U	13 U	15 U
cis-1,3-Dichloropropene	NS	NS	3.1 U	2.6 U	3.2 U	2.6 U	3 U
Dibromochloromethane	NS	NS	3.1 U	2.6 U	3.2 U	2.6 U	3 U
Dibromomethane	NS	NS	31 U	26 U	32 U	26 U	30 U
Dichlorodifluoromethane	NS	NS	31 U	26 U	32 U	26 U	30 U
Ethylbenzene	1,000	41,000	3.1 U	2.6 U	3.2 U	2.6 U	3 U
Hexachlorobutadiene	NS	NS	15 U	13 U	16 U	13 U	15 U
Isopropylbenzene	NS	NS	3.1 U	2.6 U	3.2 U	2.6 U	3 U
Methyl tert butyl ether	930	100,000	6.2 U	5.1 U	6.3 U	5.1 U	6 U
Methylene chloride	50	100,000	31 U	26 U	32 U	26 U	30 U
Naphthalene	NS	NS	3.1 U	2.6 U	3.2 U	2.6 U	3 U
n-Butylbenzene	12,000	NS	3.1 U	2.6 U	3.2 U	2.6 U	3 U
n-Propylbenzene	3,900	100,000	15 U	13 U	16 U	13 U	15 U
o-Chlorotoluene	NS	NS	15 U	13 U	16 U	13 U	15 U
o-Xylene	260	100,000	6.2 U	5.1 U	6.3 U	5.1 U	6 U
p/m-Xylene	260	100,000	15 U	13 U	16 U	13 U	15 U
p-Chlorotoluene	NS	NS	3.1 U	2.6 U	3.2 U	2.6 U	3 U
p-Isopropyltoluene	NS	NS	6.2 U	5.1 U	6.3 U	5.1 U	6 U
sec-Butylbenzene	11,000	100,000	3.1 U	2.6 U	3.2 U	2.6 U	3 U
Styrene	NS	NS	6.2 U	5.1 U	6.3 U	5.1 U	6 U
tert-Butylbenzene	5,900	NS	15 U	13 U	16 U	13 U	15 U
Toluene	700	100,000	4.6 U	3.8 U	4.7 U	3.8 U	4.5 U
trans-1,3-Dichloropropene	NS	100,000	3.1 U	2.6 U	3.2 U	2.6 U	3 U
Trichlorofluoromethane	NS	NS	15 U	13 U	16 U	13 U	15 U
Vinyl acetate	NS	NS	31 U	26 U	32 U	26 U	30 U

Notes:
All concentrations are µg/kg (ppb)
[a]Unrestricted Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
[c]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 3
Soil Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID LAB SAMPLE ID SAMPLING DATE SAMPLE DEPTH (ft.)	Unrestricted SCO[a]	Restricted Residential SCO[c]	PWG-SB-2008-06 L0813196-13 9/3/2008 5-10	PWG-SB-2008-07 L0813196-18 9/4/2008 10-15	PWG-SB-2008-08 L0813196-05 9/3/2008 5-10	PWG-SB-2008-09 L0813196-32 9/5/2008 5-10	PWG-SB-2008-09 L0813196-33 9/5/2008 15-20
Volatile Organics by EPA 8260B							
Tetrachloroethene	1,300	19,000	3.1 U	3 U	2.9 U	2.7 U	3 U
Trichloroethene	470	21,000	3.1 U	3 U	2.9 U	2.7 U	3 U
cis-1,2-Dichloroethene	250	100,000	3.1 U	3 U	2.9 U	2.7 U	3 U
trans-1,2-Dichloroethene	190	100,000	4.6 U	4.5 U	4.4 U	4.1 U	4.5 U
1,1-Dichloroethene	330	100,000	3.1 U	3 U	2.9 U	2.7 U	3 U
Vinyl chloride	20	900	6.2 U	6 U	5.8 U	5.4 U	6 U
1,1,1,2-Tetrachloroethane	NS	NS	3.1 U	3 U	2.9 U	2.7 U	3 U
1,1,1-Trichloroethane	680	100,000	3.1 U	3 U	2.9 U	2.7 U	3 U
1,1,2,2-Tetrachloroethane	NS	NS	3.1 U	3 U	2.9 U	2.7 U	3 U
1,1,2-Trichloroethane	NS	NS	4.6 U	4.5 U	4.4 U	4.1 U	4.5 U
1,1-Dichloroethane	270	26,000	4.6 U	4.5 U	4.4 U	4.1 U	4.5 U
1,1-Dichloropropene	NS	NS	15 U	15 U	14 U	14 U	15 U
1,2,3-Trichlorobenzene	NS	NS	15 U	15 U	14 U	14 U	15 U
1,2,3-Trichloropropane	NS	NS	31 U	30 U	29 U	27 U	30 U
1,2,4,5-Tetramethylbenzene	NS	NS	12 U	12 U	12 U	11 U	12 U
1,2,4-Trichlorobenzene	NS	NS	15 U	15 U	14 U	14 U	15 U
1,2,4-Trimethylbenzene	3,600	52,000	15 U	15 U	14 U	14 U	15 U
1,2-Dibromo-3-chloropropane	NS	NS	15 U	15 U	14 U	14 U	15 U
1,2-Dibromoethane	NS	NS	12 U	12 U	12 U	11 U	12 U
1,2-Dichlorobenzene	1,100	100,000	15 U	15 U	14 U	14 U	15 U
1,2-Dichloroethane	20	3,100	3.1 U	3 U	2.9 U	2.7 U	3 U
1,2-Dichloropropane	NS	NS	11 U	10 U	10 U	9.5 U	10 U
1,3,5-Trimethylbenzene	8,400	52,000	15 U	15 U	14 U	14 U	15 U
1,3-Dichlorobenzene	2,400	49,000	15 U	15 U	14 U	14 U	15 U
1,3-Dichloropropane	NS	NS	15 U	15 U	14 U	14 U	15 U
1,4-Dichlorobenzene	1,800	13,000	15 U	15 U	14 U	14 U	15 U
1,4-Diethylbenzene	NS	NS	12 U	12 U	12 U	11 U	12 U
2,2-Dichloropropane	NS	NS	15 U	15 U	14 U	14 U	15 U
2-Butanone	120	100,000	31 U	30 U	29 U	27 U	30 U
2-Hexanone	NS	NS	31 U	30 U	29 U	27 U	30 U
4-Ethyltoluene	NS	NS	12 U	12 U	12 U	11 U	12 U
4-Methyl-2-pentanone	NS	NS	31 U	30 U	29 U	27 U	30 U
Acetone	50	100,000	31 U	30 U	29 U	27 U	30 U
Acrylonitrile	NS	NS	31 U	30 U	29 U	27 U	30 U
Benzene	60	4,800	3.1 U	3 U	2.9 U	2.7 U	3 U
Bromobenzene	NS	NS	15 U	15 U	14 U	14 U	15 U
Bromochloromethane	NS	NS	15 U	15 U	14 U	14 U	15 U
Bromodichloromethane	NS	NS	3.1 U	3 U	2.9 U	2.7 U	3 U
Bromoform	NS	NS	12 U	12 U	12 U	11 U	12 U
Bromomethane	NS	NS	6.2 U	6 U	5.8 U	5.4 U	6 U
Carbon disulfide	NS	NS	31 U	30 U	29 U	27 U	30 U
Carbon tetrachloride	760	2,400	3.1 U	3 U	2.9 U	2.7 U	3 U
Chlorobenzene	1,100	100,000	3.1 U	3 U	2.9 U	2.7 U	3 U
Chloroethane	NS	NS	6.2 U	6 U	5.8 U	5.4 U	6 U
Chloroform	370	49,000	4.6 U	4.5 U	4.4 U	4.1 U	4.5 U
Chloromethane	NS	NS	15 U	15 U	14 U	14 U	15 U
cis-1,3-Dichloropropene	NS	NS	3.1 U	3 U	2.9 U	2.7 U	3 U
Dibromochloromethane	NS	NS	3.1 U	3 U	2.9 U	2.7 U	3 U
Dibromomethane	NS	NS	31 U	30 U	29 U	27 U	30 U
Dichlorodifluoromethane	NS	NS	31 U	30 U	29 U	27 U	30 U
Ethylbenzene	1,000	41,000	3.1 U	3 U	2.9 U	2.7 U	3 U
Hexachlorobutadiene	NS	NS	15 U	15 U	14 U	14 U	15 U
Isopropylbenzene	NS	NS	3.1 U	3 U	2.9 U	2.7 U	3 U
Methyl tert butyl ether	930	100,000	6.2 U	6 U	5.8 U	5.4 U	6 U
Methylene chloride	50	100,000	31 U	30 U	29 U	27 U	30 U
Naphthalene	NS	NS	3.1 U	3 U	2.9 U	2.7 U	3 U
n-Butylbenzene	12,000	NS	3.1 U	3 U	2.9 U	2.7 U	3 U
n-Propylbenzene	3,900	100,000	15 U	15 U	14 U	14 U	15 U
o-Chlorotoluene	NS	NS	15 U	15 U	14 U	14 U	15 U
o-Xylene	260	100,000	6.2 U	6 U	5.8 U	5.4 U	6 U
p/m-Xylene	260	100,000	15 U	15 U	14 U	14 U	15 U
p-Chlorotoluene	NS	NS	3.1 U	3 U	2.9 U	2.7 U	3 U
p-Isopropyltoluene	NS	NS	6.2 U	6 U	5.8 U	5.4 U	6 U
sec-Butylbenzene	11,000	100,000	3.1 U	3 U	2.9 U	2.7 U	3 U
Styrene	NS	NS	6.2 U	6 U	5.8 U	5.4 U	6 U
tert-Butylbenzene	5,900	NS	15 U	15 U	14 U	14 U	15 U
Toluene	700	100,000	4.6 U	4.5 U	4.4 U	4.1 U	4.5 U
trans-1,3-Dichloropropene	NS	100,000	3.1 U	3 U	2.9 U	2.7 U	3 U
Trichlorofluoromethane	NS	NS	15 U	15 U	14 U	14 U	15 U
Vinyl acetate	NS	NS	31 U	30 U	29 U	27 U	30 U

Notes:
All concentrations are µg/kg (ppb)
[a]Unrestricted Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Enviro
[c]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, I
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 3
Soil Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID LAB SAMPLE ID SAMPLING DATE SAMPLE DEPTH (ft.)	Unrestricted SCO[a]	Restricted Residential SCO[c]	PWG-SB-2008-10 L0813196-30 9/5/2008 5-10	PWG-SB-2008-10 L0813196-31 9/5/2008 10-15	PWG-SB-2008-11 L0813196-34 9/5/2008 5-10	PWG-SB-2008-11 L0813196-35 9/5/2008 15-20	PWG-SB-2008-12 L0813196-36 9/5/2008 5-10
Volatile Organics by EPA 8260B							
Tetrachloroethene	1,300	19,000	**5.5**	**45**	2.6 U	3.3 U	2.8 U
Trichloroethene	470	21,000	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
cis-1,2-Dichloroethene	250	100,000	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
trans-1,2-Dichloroethene	190	100,000	4.8 U	4.6 U	4 U	4.9 U	4.3 U
1,1-Dichloroethene	330	100,000	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
Vinyl chloride	20	900	6.4 U	6.2 U	5.3 U	6.6 U	5.7 U
1,1,1,2-Tetrachloroethane	NS	NS	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
1,1,1-Trichloroethane	680	100,000	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
1,1,2,2-Tetrachloroethane	NS	NS	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
1,1,2-Trichloroethane	NS	NS	4.8 U	4.6 U	4 U	4.9 U	4.3 U
1,1-Dichloroethane	270	26,000	4.8 U	4.6 U	4 U	4.9 U	4.3 U
1,1-Dichloropropene	NS	NS	16 U	15 U	13 U	16 U	14 U
1,2,3-Trichlorobenzene	NS	NS	16 U	15 U	13 U	16 U	14 U
1,2,3-Trichloropropane	NS	NS	32 U	31 U	26 U	33 U	28 U
1,2,4,5-Tetramethylbenzene	NS	NS	13 U	12 U	11 U	13 U	11 U
1,2,4-Trichlorobenzene	NS	NS	16 U	15 U	13 U	16 U	14 U
1,2,4-Trimethylbenzene	3,600	52,000	16 U	15 U	13 U	16 U	14 U
1,2-Dibromo-3-chloropropane	NS	NS	16 U	15 U	13 U	16 U	14 U
1,2-Dibromoethane	NS	NS	13 U	12 U	11 U	13 U	11 U
1,2-Dichlorobenzene	1,100	100,000	16 U	15 U	13 U	16 U	14 U
1,2-Dichloroethane	20	3,100	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
1,2-Dichloropropane	NS	NS	11 U	11 U	9.3 U	12 U	9.9 U
1,3,5-Trimethylbenzene	8,400	52,000	16 U	15 U	13 U	16 U	14 U
1,3-Dichlorobenzene	2,400	49,000	16 U	15 U	13 U	16 U	14 U
1,3-Dichloropropane	NS	NS	16 U	15 U	13 U	16 U	14 U
1,4-Dichlorobenzene	1,800	13,000	16 U	15 U	13 U	16 U	14 U
1,4-Diethylbenzene	NS	NS	13 U	12 U	11 U	13 U	11 U
2,2-Dichloropropane	NS	NS	16 U	15 U	13 U	16 U	14 U
2-Butanone	120	100,000	32 U	31 U	26 U	33 U	28 U
2-Hexanone	NS	NS	32 U	31 U	26 U	33 U	28 U
4-Ethyltoluene	NS	NS	13 U	12 U	11 U	13 U	11 U
4-Methyl-2-pentanone	NS	NS	32 U	31 U	26 U	33 U	28 U
Acetone	50	100,000	32 U	31 U	26 U	33 U	28 U
Acrylonitrile	NS	NS	32 U	31 U	26 U	33 U	28 U
Benzene	60	4,800	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
Bromobenzene	NS	NS	16 U	15 U	13 U	16 U	14 U
Bromochloromethane	NS	NS	16 U	15 U	13 U	16 U	14 U
Bromodichloromethane	NS	NS	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
Bromoform	NS	NS	13 U	12 U	11 U	13 U	11 U
Bromomethane	NS	NS	6.4 U	6.2 U	5.3 U	6.6 U	5.7 U
Carbon disulfide	NS	NS	32 U	31 U	26 U	33 U	28 U
Carbon tetrachloride	760	2,400	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
Chlorobenzene	1,100	100,000	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
Chloroethane	NS	NS	6.4 U	6.2 U	5.3 U	6.6 U	5.7 U
Chloroform	370	49,000	4.8 U	4.6 U	4 U	4.9 U	4.3 U
Chloromethane	NS	NS	16 U	15 U	13 U	16 U	14 U
cis-1,3-Dichloropropene	NS	NS	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
Dibromochloromethane	NS	NS	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
Dibromomethane	NS	NS	32 U	31 U	26 U	33 U	28 U
Dichlorodifluoromethane	NS	NS	32 U	31 U	26 U	33 U	28 U
Ethylbenzene	1,000	41,000	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
Hexachlorobutadiene	NS	NS	16 U	15 U	13 U	16 U	14 U
Isopropylbenzene	NS	NS	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
Methyl tert butyl ether	930	100,000	6.4 U	6.2 U	5.3 U	6.6 U	5.7 U
Methylene chloride	50	100,000	32 U	31 U	26 U	33 U	28 U
Naphthalene	NS	NS	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
n-Butylbenzene	12,000	NS	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
n-Propylbenzene	3,900	100,000	16 U	15 U	13 U	16 U	14 U
o-Chlorotoluene	NS	NS	16 U	15 U	13 U	16 U	14 U
o-Xylene	260	100,000	6.4 U	6.2 U	5.3 U	6.6 U	5.7 U
p/m-Xylene	260	100,000	16 U	15 U	13 U	16 U	14 U
p-Chlorotoluene	NS	NS	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
p-Isopropyltoluene	NS	NS	6.4 U	6.2 U	5.3 U	6.6 U	5.7 U
sec-Butylbenzene	11,000	100,000	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
Styrene	NS	NS	6.4 U	6.2 U	5.3 U	6.6 U	5.7 U
tert-Butylbenzene	5,900	NS	16 U	15 U	13 U	16 U	14 U
Toluene	700	100,000	4.8 U	4.6 U	4 U	4.9 U	4.3 U
trans-1,3-Dichloropropene	NS	100,000	3.2 U	3.1 U	2.6 U	3.3 U	2.8 U
Trichlorofluoromethane	NS	NS	16 U	15 U	13 U	16 U	14 U
Vinyl acetate	NS	NS	32 U	31 U	26 U	33 U	28 U

Notes:
All concentrations are µg/kg (ppb)
[a]Unrestricted Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Enviro
[c]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, I
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 3
Soil Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID LAB SAMPLE ID SAMPLING DATE SAMPLE DEPTH (ft.)	Unrestricted SCO[a]	Restricted Residential SCO[c]	PWG-SB-2008-12 L0813196-38 9/5/2008 10-15	PWG-SB-2008-13 L0813196-24 9/4/2008 5-10	PWG-SB-2008-13 L0813196-25 9/4/2008 10-15	PWG-SB-2008-14 L0813196-27 9/4/2008 0-5	PWG-SB-2008-14 L0813196-28 9/4/2008 10-15
Volatile Organics by EPA 8260B							
Tetrachloroethene	1,300	19,000	3.1 U	**14**	**44**	**56**	**290**
Trichloroethene	470	21,000	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
cis-1,2-Dichloroethene	250	100,000	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
trans-1,2-Dichloroethene	190	100,000	4.6 U	4.8 U	4.8 U	4 U	9.9 U
1,1-Dichloroethene	330	100,000	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
Vinyl chloride	20	900	6.2 U	6.4 U	6.4 U	5.3 U	13 U
1,1,1,2-Tetrachloroethane	NS	NS	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
1,1,1-Trichloroethane	680	100,000	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
1,1,2,2-Tetrachloroethane	NS	NS	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
1,1,2-Trichloroethane	NS	NS	4.6 U	4.8 U	4.8 U	4 U	9.9 U
1,1-Dichloroethane	270	26,000	4.6 U	4.8 U	4.8 U	4 U	9.9 U
1,1-Dichloropropene	NS	NS	15 U	16 U	16 U	13 U	33 U
1,2,3-Trichlorobenzene	NS	NS	15 U	16 U	16 U	13 U	33 U
1,2,3-Trichloropropane	NS	NS	31 U	32 U	32 U	26 U	66 U
1,2,4,5-Tetramethylbenzene	NS	NS	12 U	13 U	13 U	11 U	26 U
1,2,4-Trichlorobenzene	NS	NS	15 U	16 U	16 U	13 U	33 U
1,2,4-Trimethylbenzene	3,600	52,000	15 U	16 U	16 U	13 U	33 U
1,2-Dibromo-3-chloropropane	NS	NS	15 U	16 U	16 U	13 U	33 U
1,2-Dibromoethane	NS	NS	12 U	13 U	13 U	11 U	26 U
1,2-Dichlorobenzene	1,100	100,000	15 U	16 U	16 U	13 U	33 U
1,2-Dichloroethane	20	3,100	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
1,2-Dichloropropane	NS	NS	11 U	11 U	11 U	9.3 U	23 U
1,3,5-Trimethylbenzene	8,400	52,000	15 U	16 U	16 U	13 U	33 U
1,3-Dichlorobenzene	2,400	49,000	15 U	16 U	16 U	13 U	33 U
1,3-Dichloropropane	NS	NS	15 U	16 U	16 U	13 U	33 U
1,4-Dichlorobenzene	1,800	13,000	15 U	16 U	16 U	13 U	33 U
1,4-Diethylbenzene	NS	NS	12 U	13 U	13 U	11 U	26 U
2,2-Dichloropropane	NS	NS	15 U	16 U	16 U	13 U	33 U
2-Butanone	120	100,000	31 U	32 U	32 U	26 U	66 U
2-Hexanone	NS	NS	31 U	32 U	32 U	26 U	66 U
4-Ethyltoluene	NS	NS	12 U	13 U	13 U	11 U	26 U
4-Methyl-2-pentanone	NS	NS	31 U	32 U	32 U	26 U	66 U
Acetone	50	100,000	31 U	32 U	32 U	26 U	66 U
Acrylonitrile	NS	NS	31 U	32 U	32 U	26 U	66 U
Benzene	60	4,800	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
Bromobenzene	NS	NS	15 U	16 U	16 U	13 U	33 U
Bromochloromethane	NS	NS	15 U	16 U	16 U	13 U	33 U
Bromodichloromethane	NS	NS	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
Bromoform	NS	NS	12 U	13 U	13 U	11 U	26 U
Bromomethane	NS	NS	6.2 U	6.4 U	6.4 U	5.3 U	13 U
Carbon disulfide	NS	NS	31 U	32 U	32 U	26 U	66 U
Carbon tetrachloride	760	2,400	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
Chlorobenzene	1,100	100,000	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
Chloroethane	NS	NS	6.2 U	6.4 U	6.4 U	5.3 U	13 U
Chloroform	370	49,000	4.6 U	4.8 U	4.8 U	4 U	9.9 U
Chloromethane	NS	NS	15 U	16 U	16 U	13 U	33 U
cis-1,3-Dichloropropene	NS	NS	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
Dibromochloromethane	NS	NS	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
Dibromomethane	NS	NS	31 U	32 U	32 U	26 U	66 U
Dichlorodifluoromethane	NS	NS	31 U	32 U	32 U	26 U	66 U
Ethylbenzene	1,000	41,000	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
Hexachlorobutadiene	NS	NS	15 U	16 U	16 U	13 U	33 U
Isopropylbenzene	NS	NS	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
Methyl tert butyl ether	930	100,000	6.2 U	6.4 U	6.4 U	5.3 U	13 U
Methylene chloride	50	100,000	31 U	32 U	32 U	26 U	66 U
Naphthalene	NS	NS	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
n-Butylbenzene	12,000	NS	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
n-Propylbenzene	3,900	100,000	15 U	16 U	16 U	13 U	33 U
o-Chlorotoluene	NS	NS	15 U	16 U	16 U	13 U	33 U
o-Xylene	260	100,000	6.2 U	6.4 U	6.4 U	5.3 U	13 U
p/m-Xylene	260	100,000	15 U	16 U	16 U	13 U	33 U
p-Chlorotoluene	NS	NS	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
p-Isopropyltoluene	NS	NS	6.2 U	6.4 U	6.4 U	5.3 U	13 U
sec-Butylbenzene	11,000	100,000	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
Styrene	NS	NS	6.2 U	6.4 U	6.4 U	5.3 U	13 U
tert-Butylbenzene	5,900	NS	15 U	16 U	16 U	13 U	33 U
Toluene	700	100,000	4.6 U	4.8 U	4.8 U	4 U	9.9 U
trans-1,3-Dichloropropene	NS	100,000	3.1 U	3.2 U	3.2 U	2.6 U	6.6 U
Trichlorofluoromethane	NS	NS	15 U	16 U	16 U	13 U	33 U
Vinyl acetate	NS	NS	31 U	32 U	32 U	26 U	66 U

Notes:
All concentrations are µg/kg (ppb)
[a]Unrestricted Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Enviro
[c]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, I
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 4
Soil Sample Analytical Data Summary
Semi-Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted SCO[a]	Restricted Residential SCO[c]	PWG-SB-2008-01		PWG-SB-2008-08		PWG-SB-2008-10		PWG-SB-2008-14	
LAB SAMPLE ID			L0813196-20		L0813196-05		L0813196-30		L0813196-28	
SAMPLING DATE			9/4/2008		9/3/2008		9/5/2008		9/4/2008	
SAMPLE DEPTH (ft.)			5-10		5-10		5-10		10-15	
Semivolatile Organics by EPA 8270C										
1,2,4,5-Tetrachlorobenzene	NS	NS	1600	U	1600	U	1700	U	1400	U
1,2,4-Trichlorobenzene	NS	NS	410	U	390	U	430	U	350	U
1,2-Dichlorobenzene	NS	NS	410	U	390	U	430	U	350	U
1,3-Dichlorobenzene	NS	NS	410	U	390	U	430	U	350	U
1,4-Dichlorobenzene	NS	NS	410	UJ	390	U	430	U	350	U
2,4,5-Trichlorophenol	NS	NS	410	U	390	U	430	U	350	U
2,4,6-Trichlorophenol	NS	NS	410	U	390	U	430	U	350	U
2,4-Dichlorophenol	NS	NS	820	U	780	U	850	U	710	U
2,4-Dimethylphenol	NS	NS	410	U	390	U	430	U	350	U
2,4-Dinitrophenol	NS	NS	1600	U	1600	U	1700	U	1400	U
2,4-Dinitrotoluene	NS	NS	410	UJ	390	U	430	U	350	U
2,6-Dinitrotoluene	NS	NS	410	U	390	U	430	U	350	U
2-Chloronaphthalene	NS	NS	490	U	460	U	510	U	420	U
2-Chlorophenol	NS	NS	490	U	460	U	510	U	420	U
2-Methylnaphthalene	NS	NS	410	U	390	U	430	U	350	U
2-Methylphenol	NS	NS	490	U	460	U	510	U	420	U
2-Nitroaniline	NS	NS	410	U	390	U	430	U	350	U
2-Nitrophenol	NS	NS	1600	U	1600	U	1700	U	1400	U
3,3'-Dichlorobenzidine	NS	NS	820	U	780	U	850	U	710	U
3-Methylphenol/4-Methylphenol	NS	NS	490	U	460	U	510	U	420	U
3-Nitroaniline	NS	NS	410	UJ	390	U	430	U	350	U
4,6-Dinitro-o-cresol	NS	NS	1600	U	1600	U	1700	U	1400	U
4-Bromophenyl phenyl ether	NS	NS	410	U	390	U	430	U	350	U
4-Chloroaniline	NS	NS	410	U	390	U	430	U	350	U
4-Chlorophenyl phenyl ether	NS	NS	410	U	390	U	430	U	350	U
4-Nitroaniline	NS	NS	580	UJ	540	U	600	U	500	U
4-Nitrophenol	NS	NS	820	U	780	U	850	U	710	U
Acenaphthene	20,000	100,000	410	U	390	U	430	U	350	U
Acenaphthylene	100,000	100,000	410	U	390	U	430	U	350	U
Acetophenone	NS	NS	1600	U	1600	U	1700	U	1400	U
Anthracene	100,000	100,000	410	U	390	U	430	U	350	U
Benzo(a)anthracene	1,000	1,000	410	U	390	U	430	U	350	U
Benzo(a)pyrene	1,000	1,000	410	U	390	U	430	U	350	U
Benzo(b)fluoranthene	1,000	1,000	410	U	390	U	430	U	350	U
Benzo(ghi)perylene	100,000	100,000	410	U	390	U	430	U	350	U
Benzo(k)fluoranthene	800	3,900	410	U	390	U	430	U	350	U
Benzoic Acid	NS	NS	4100	U	3900	U	4300	U	3500	U
Benzyl Alcohol	NS	NS	820	U	780	U	850	U	710	U
Biphenyl	NS	NS	410	U	390	U	430	U	350	U
Bis(2-chloroethoxy)methane	NS	NS	410	U	390	U	430	U	350	U
Bis(2-chloroethyl)ether	NS	NS	410	U	390	U	430	U	350	U
Bis(2-chloroisopropyl)ether	NS	NS	410	U	390	U	430	U	350	U
Bis(2-Ethylhexyl)phthalate	NS	NS	820	U	780	U	850	U	710	U
Butyl benzyl phthalate	NS	NS	410	U	390	U	430	U	350	U
Carbazole	NS	NS	410	U	390	U	430	U	350	U
Chrysene	1,000	3,900	410	U	390	U	430	U	350	U
Di-n-butylphthalate	NS	NS	410	U	390	U	430	U	350	U
Di-n-octylphthalate	NS	NS	410	U	390	U	430	U	350	U
Dibenzo(a,h)anthracene	330	330	410	U	390	U	430	U	350	U
Dibenzofuran	NS	NS	410	U	390	U	430	U	350	U
Diethyl phthalate	NS	NS	410	U	390	U	430	U	350	U
Dimethyl phthalate	NS	NS	410	U	390	U	430	U	350	U
Fluoranthene	100,000	100,000	410	U	390	U	430	U	350	U
Fluorene	30,000	100,000	410	U	390	U	430	U	350	U
Hexachlorobenzene	NS	NS	410	U	390	U	430	U	350	U
Hexachlorobutadiene	NS	NS	820	U	780	U	850	U	710	U
Hexachlorocyclopentadiene	NS	NS	820	U	780	U	850	U	710	U
Hexachloroethane	NS	NS	410	U	390	U	430	U	350	U
Indeno(1,2,3-cd)Pyrene	500	500	410	U	390	U	430	U	350	U
Isophorone	NS	NS	410	UJ	390	U	430	U	350	U
n-Nitrosodi-n-propylamine	NS	NS	410	U	390	U	430	U	350	U
Naphthalene	12,000	100,000	410	U	390	U	430	U	350	U
Nitrobenzene	NS	NS	410	U	390	U	430	U	350	U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	1200	U	1200	U	1300	U	1100	U
P-Chloro-M-Cresol	NS	NS	410	U	390	U	430	U	350	U
Pentachlorophenol	800	6,700	1600	U	1600	U	1700	U	1400	U
Phenanthrene	100,000	100,000	410	U	390	U	430	U	350	U
Phenol	330	100,000	580	U	540	U	600	U	500	U
Pyrene	100,000	100,000	410	U	390	U	430	U	350	U
Semivolatile Organics by EPA 8270C-SIM										
2-Chloronaphthalene	NS	NS	16	U	16	U	17	U	14	U
2-Methylnaphthalene	NS	NS	16	U	16	U	17	U	14	U
Acenaphthene	20,000	100,000	16	U	16	U	17	U	14	U
Acenaphthylene	100,000	100,000	16	U	16	U	17	U	14	U
Anthracene	100,000	100,000	16	U	16	U	17	U	14	U
Benzo(a)anthracene	1,000	1,000	**48**		16	U	17	U	14	U
Benzo(a)pyrene	1,000	1,000	**64**		16	U	17	U	14	U
Benzo(b)fluoranthene	1,000	1,000	**58**		16	U	17	U	14	U
Benzo(ghi)perylene	100,000	100,000	**51**		16	U	17	U	14	U
Benzo(k)fluoranthene	800	3,900	**58**		16	U	17	U	14	U
Chrysene	1,000	3,900	**55**		16	U	17	U	14	U
Dibenzo(a,h)anthracene	3,300	330	16	U	16	U	17	U	14	U
Fluoranthene	100,000	100,000	**120**		16	U	17	U	14	U
Fluorene	30,000	100,000	16	U	16	U	17	U	14	U
Hexachlorobenzene	NS	NS	66	U	62	U	68	U	57	U
Hexachlorobutadiene	NS	NS	41	U	39	U	43	U	35	U
Hexachloroethane	NS	NS	66	U	62	U	68	U	57	U
Indeno(1,2,3-cd)Pyrene	500	500	**52**		16	U	17	U	14	U
Naphthalene	12,000	100,000	16	U	16	U	17	U	14	U
Pentachlorophenol	800	6,700	66	U	62	U	68	U	57	U
Phenanthrene	100,000	100,000	**47**		16	U	17	U	14	U
Pyrene	100,000	100,000	**120**		16	U	17	U	14	U

Notes:
All concentrations are µg/kg (ppb)
[a]Unrestricted Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
[c]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 5
Soil Sample Analytical Data Summary
Pesticides/PCBs/Metals
Former Darby Drugs Distribution Center

SAMPLE ID LAB SAMPLE ID SAMPLING DATE SAMPLE DEPTH (ft.)	Unrestricted SCO[1]	Restricted Residential SCO[2]	PWG-SB-2008-01 L0813196-20 9/4/2008 5-10		PWG-SB-2008-08 L0813196-05 9/3/2008 5-10		PWG-SB-2008-10 L0813196-30 9/5/2008 5-10		PWG-SB-2008-14 L0813196-28 9/4/2008 10-15	
Organochlorine Pesticides by EPA 8081A										
4,4'-DDD	3.3	13000	4.12	U	3.88	U	4.27	U	3.55	U
4,4'-DDE	3.3	8900	4.12	U	3.88	U	4.27	U	3.55	U
4,4'-DDT	3.3	7900	**4.73**	J	3.88	U	4.27	U	3.55	U
Aldrin	5	97	4.12	U	3.88	U	4.27	U	3.55	U
Alpha-BHC	20	480	4.12	U	3.88	U	4.27	U	3.55	U
Beta-BHC	36	360	4.12	U	3.88	U	4.27	U	3.55	U
Chlordane	94	4200	41.2	U	38.8	U	42.7	U	35.5	U
Delta-BHC	40	100000	4.12	U	3.88	U	4.27	U	3.55	U
Dieldrin	5	200	4.12	U	3.88	U	4.27	U	3.55	U
Endosulfan I	2400	24000	4.12	U	3.88	U	4.27	U	3.55	U
Endosulfan II	2400	24000	4.12	U	3.88	U	4.27	U	3.55	U
Endosulfan sulfate	2400	24000	4.12	U	3.88	U	4.27	U	3.55	U
Endrin	14	11000	4.12	U	3.88	U	4.27	U	3.55	U
Endrin ketone	NS	NS	4.12	U	3.88	U	4.27	U	3.55	U
Heptachlor	42	2100	4.12	U	3.88	U	4.27	U	3.55	U
Heptachlor epoxide	NS	NS	4.12	U	3.88	U	4.27	U	3.55	U
Lindane	100	1300	4.12	U	3.88	U	4.27	U	3.55	U
Methoxychlor	NS	NS	16.5	U	15.5	U	17.1	U	14.2	U
trans-Chlordane	NS	NS	4.12	U	3.88	U	4.27	U	3.55	U
Polychlorinated Biphenyls by EPA 8082										
Aroclor 1016	100	1000	41.2	U	38.8	U	42.7	U	35.5	U
Aroclor 1221	100	1000	41.2	U	38.8	U	42.7	U	35.5	U
Aroclor 1232	100	1000	41.2	U	38.8	U	42.7	U	35.5	U
Aroclor 1242	100	1000	41.2	U	38.8	U	42.7	U	35.5	U
Aroclor 1248	100	1000	41.2	U	38.8	U	42.7	U	35.5	U
Aroclor 1254	100	1000	41.2	U	38.8	U	42.7	U	35.5	U
Aroclor 1260	100	1000	41.2	U	38.8	U	42.7	U	35.5	U
Total Metals										
Aluminum	NS	NS	**4700**		**2500**		**1100**		**4000**	
Antimony	NS	NS	2.9	UJ	2.8	U	3	U	2.5	U
Arsenic	13	16	**2.2**		**1.8**		**1**		**1.1**	
Barium	350	400	**40**		**14**		**3**		**19**	
Beryllium	7.2	72	0.29	U	0.28	U	0.3	U	0.25	U
Cadmium	2.5	4.3	0.58	U	0.56	U	0.6	U	0.5	U
Calcium	NS	NS	**1000**	J	**92**		**64**		**350**	
Chromium	30	180	**6.4**	J	**4.7**		**3.2**		**4.2**	
Cobalt	NS	NS	**2.8**		**9**		1.2	U	1	U
Copper	50	270	**9.4**		**5.8**		**1.2**		**3.3**	
Iron	NS	NS	**7500**		**6900**		**2500**		**3800**	
Lead	63	400	**87**	J	2.8	U	3	U	**21**	
Magnesium	NS	NS	**690**	J	**340**		**80**		**380**	
Manganese	1600	2000	**100**	J	**650**		**7.8**		**55**	
Mercury	0.18	0.81	**0.1**	J	0.09	U	0.09	U	0.09	U
Nickel	30	310	**5.2**		**5.6**		1.5	U	**2.3**	
Potassium	NS	NS	**320**		**240**		150	U	**150**	
Selenium	3.9	180	1.2	U	1.1	U	1.2	U	1	U
Silver	2	180	0.58	U	0.56	U	0.6	U	0.5	U
Sodium	NS	NS	120	U	110	U	120	U	100	U
Thallium	NS	NS	1.2	U	1.1	U	1.2	U	1	U
Vanadium	NS	NS	**9.3**		**7.5**		**3.4**		**6.2**	
Zinc	109	10000	**58**	J	**25**		**6.5**		**26**	

Notes:
Pesticides & PCBs concentrations are µg/kg (ppb)

Metals concentrations are mg/kg (ppm)
[1]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006

[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006

U - Analyte not detected above the laboratory MDL

J - Estimated value

NS - No standard established

Bold text indicates compounds above the laboratory MDL

Green highlighting indicates exceedance of Unrestricted Use SCO

Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 6
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted SCO[1]	Restricted Residential SCO[2]	PWG-DW-2008-01	PWG-DW-2008-02	PWG-DW-2008-03	PWG-DW-2008-04	PWG-DW-2008-05	PWG-DW-2008-06	PWG-DW-2008-07	PWG-DW-2008-09
LAB SAMPLE ID			L0813344-04	L0813344-05	L0813344-06	L0813344-07	L0813344-08	L0813344-09	L0813344-10	L0813344-12
SAMPLING DATE			9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008
SAMPLE DEPTH (ft.)			7.25-7.75	5.25-5.75	8.75-9.25	7.25-7.75	6.75-7.25	6.75-7.25	6.75-7.25	6.75-7.25
Volatile Organics by EPA 8260B										
Tetrachloroethene	1,300	19,000	3 U	3.2 U	**7.6**	3.2 U	2.9 U	**6.6**	**6.4**	3.1 U
Trichloroethene	470	21,000	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
cis-1,2-Dichloroethene	250	100,000	3 U	3.2 U	**4.4**	3.2 U	2.9 U	3 U	3.4 U	3.1 U
trans-1,2-Dichloroethene	190	100,000	4.5 U	4.7 U	4.7 U	4.9 U	4.4 U	4.5 U	5.1 U	4.6 U
1,1-Dichloroethene	330	100,000	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
Vinyl chloride	20	900	6 U	6.3 U	6.2 U	6.5 U	5.8 U	6 U	6.8 U	6.2 U
1,1,1,2-Tetrachloroethane	NS	NS	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
1,1,1-Trichloroethane	680	100,000	**7.5**	**9.5**	**13**	3.2 U	2.9 U	3 U	3.4 U	3.1 U
1,1,2,2-Tetrachloroethane	NS	NS	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
1,1,2-Trichloroethane	NS	NS	4.5 U	4.7 U	4.7 U	4.9 U	4.4 U	4.5 U	5.1 U	4.6 U
1,1-Dichloroethane	270	26,000	4.5 U	**5.1**	**7.2**	4.9 U	4.4 U	4.5 U	5.1 U	4.6 U
1,1-Dichloropropene	NS	NS	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
1,2,3-Trichlorobenzene	NS	NS	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
1,2,3-Trichloropropane	NS	NS	30 U	32 U	31 U	32 U	29 U	30 U	34 U	31 U
1,2,4,5-Tetramethylbenzene	NS	NS	12 U	13 U	12 U	13 U	12 U	12 U	**24**	12 U
1,2,4-Trichlorobenzene	NS	NS	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
1,2,4-Trimethylbenzene	3,600	52,000	15 U	16 U	16 U	16 U	14 U	15 U	**60**	15 U
1,2-Dibromo-3-chloropropane	NS	NS	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
1,2-Dibromoethane	NS	NS	12 U	13 U	12 U	13 U	12 U	12 U	14 U	12 U
1,2-Dichlorobenzene	1,100	100,000	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
1,2-Dichloroethane	20	3,100	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
1,2-Dichloropropane	NS	NS	10 U	11 U	11 U	11 U	10 U	10 U	12 U	11 U
1,3,5-Trimethylbenzene	8,400	52,000	15 U	16 U	16 U	16 U	14 U	15 U	**62**	15 U
1,3-Dichlorobenzene	2,400	49,000	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
1,3-Dichloropropane	NS	NS	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
1,4-Dichlorobenzene	1,800	13,000	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
1,4-Diethylbenzene	NS	NS	12 U	13 U	12 U	13 U	12 U	12 U	**16**	12 U
2,2-Dichloropropane	NS	NS	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
2-Butanone	120	100,000	30 U	32 U	31 U	32 U	29 U	30 U	34 U	31 U
2-Hexanone	NS	NS	30 U	32 U	31 U	32 U	29 U	30 U	34 U	31 U
4-Ethyltoluene	NS	NS	12 U	13 U	12 U	13 U	12 U	12 U	**48**	12 U
4-Methyl-2-pentanone	NS	NS	30 U	32 U	31 U	32 U	29 U	30 U	34 U	31 U
Acetone	50	100,000	30 U	32 U	31 U	32 U	29 U	30 U	**48**	31 U
Acrylonitrile	NS	NS	30 U	32 U	31 U	32 U	29 U	30 U	34 U	31 U
Benzene	60	4,800	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
Bromobenzene	NS	NS	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
Bromochloromethane	NS	NS	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
Bromodichloromethane	NS	NS	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
Bromoform	NS	NS	12 U	13 U	12 U	13 U	12 U	12 U	14 U	12 U
Bromomethane	NS	NS	6 U	6.3 U	6.2 U	6.5 U	5.8 U	6 U	6.8 U	6.2 U
Carbon disulfide	NS	NS	30 U	32 U	31 U	32 U	29 U	30 U	34 U	31 U
Carbon tetrachloride	760	2,400	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
Chlorobenzene	1,100	100,000	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
Chloroethane	NS	NS	6 U	6.3 U	6.2 U	6.5 U	5.8 U	6 U	6.8 U	6.2 U
Chloroform	370	49,000	4.5 U	4.7 U	4.7 U	4.9 U	4.4 U	4.5 U	5.1 U	4.6 U
Chloromethane	NS	NS	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
cis-1,3-Dichloropropene	NS	NS	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
Dibromochloromethane	NS	NS	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
Dibromomethane	NS	NS	30 U	32 U	31 U	32 U	29 U	30 U	34 U	31 U
Dichlorodifluoromethane	NS	NS	30 U	32 U	31 U	32 U	29 U	30 U	34 U	31 U
Ethylbenzene	1,000	41,000	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
Hexachlorobutadiene	NS	NS	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
Isopropylbenzene	NS	NS	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	**39**	3.1 U
Methyl tert butyl ether	930	100,000	6 U	6.3 U	6.2 U	6.5 U	5.8 U	6 U	6.8 U	6.2 U
Methylene chloride	50	100,000	30 U	32 U	31 U	32 U	29 U	30 U	34 U	31 U
Naphthalene	NS	NS	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
n-Butylbenzene	12,000	NS	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	**37**	3.1 U
n-Propylbenzene	3,900	100,000	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
o-Chlorotoluene	NS	NS	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
o-Xylene	260	100,000	6 U	6.3 U	6.2 U	6.5 U	5.8 U	6 U	6.8 U	6.2 U
p/m-Xylene	260	100,000	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
p-Chlorotoluene	NS	NS	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
p-Isopropyltoluene	NS	NS	6 U	6.3 U	6.2 U	6.5 U	5.8 U	6 U	**230**	6.2 U
sec-Butylbenzene	11,000	100,000	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
Styrene	NS	NS	6 U	6.3 U	6.2 U	6.5 U	5.8 U	6 U	6.8 U	6.2 U
tert-Butylbenzene	5,900	NS	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
Toluene	700	100,000	4.5 U	4.7 U	4.7 U	4.9 U	4.4 U	4.5 U	5.1 U	4.6 U
trans-1,3-Dichloropropene	NS	100,000	3 U	3.2 U	3.1 U	3.2 U	2.9 U	3 U	3.4 U	3.1 U
Trichlorofluoromethane	NS	NS	15 U	16 U	16 U	16 U	14 U	15 U	17 U	15 U
Vinyl acetate	NS	NS	30 U	32 U	31 U	32 U	29 U	30 U	34 U	31 U

Notes:
All concentrations are µg/kg (ppb)
[1]Unrestricted Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 6
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted SCO[1]	Restricted Residential SCO[2]	PWG-DW-2008-10		PWG-DW-2008-11		PWG-DW-2008-12		PWG-DW-2008-13		PWG-DW-2008-14		PWG-DW-2008-15		PWG-DW-2008-16		PWG-DW-2008-17	
LAB SAMPLE ID			L0813344-13		L0813344-14		L0813344-15		L0813344-16		L0813344-17		L0813344-18		L0813344-21		L0813344-22	
SAMPLING DATE			9/8/2008		9/8/2008		9/8/2008		9/8/2008		9/8/2008		9/8/2008		9/8/2008		9/8/2008	
SAMPLE DEPTH (ft.)			6.25-6.75		6.75-7.25		7.25-7.75		7.25-7.75		6-6.5		7-7.5		5.5-6		5.5-6	
Volatile Organics by EPA 8260B																		
Tetrachloroethene	1,300	19,000	**20**		3.1	U	3	U	2.9	U	3.6	U	**120**		**30**		**190**	
Trichloroethene	470	21,000	3.5	U	3.1	U	3	U	2.9	U	3.6	U	**11**	J	2.9	U	**14**	
cis-1,2-Dichloroethene	250	100,000	3.5	U	3.1	U	3	U	2.9	U	3.6	U	**28**	J	**3.0**		**86**	
trans-1,2-Dichloroethene	190	100,000	5.3	U	4.7	U	4.5	U	4.4	U	5.4	U	4.5	U	4.4	U	4.6	U
1,1-Dichloroethene	330	100,000	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
Vinyl chloride	20	900	7	U	6.2	U	6	U	5.8	U	7.2	U	**26**	J	5.8	U	6.1	U
1,1,1,2-Tetrachloroethane	NS	NS	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
1,1,1-Trichloroethane	680	100,000	3.5	U	**5.3**		3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
1,1,2,2-Tetrachloroethane	NS	NS	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
1,1,2-Trichloroethane	NS	NS	5.3	U	4.7	U	4.5	U	4.4	U	5.4	U	4.5	U	4.4	U	4.6	U
1,1-Dichloroethane	270	26,000	5.3	U	4.7	U	4.5	U	4.4	U	5.4	U	4.5	U	4.4	U	4.6	U
1,1-Dichloropropene	NS	NS	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
1,2,3-Trichlorobenzene	NS	NS	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
1,2,3-Trichloropropane	NS	NS	35	U	31	U	30	U	29	U	36	U	30	UJ	29	U	30	U
1,2,4,5-Tetramethylbenzene	NS	NS	14	U	12	U	12	U	12	U	14	U	12	U	12	U	12	U
1,2,4-Trichlorobenzene	NS	NS	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
1,2,4-Trimethylbenzene	3,600	52,000	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
1,2-Dibromo-3-chloropropane	NS	NS	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
1,2-Dibromoethane	NS	NS	14	U	12	U	12	U	12	U	14	U	12	U	12	U	12	U
1,2-Dichlorobenzene	1,100	100,000	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
1,2-Dichloroethane	20	3,100	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
1,2-Dichloropropane	NS	NS	12	U	11	U	10	U	10	U	13	U	10	U	10	U	11	U
1,3,5-Trimethylbenzene	8,400	52,000	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
1,3-Dichlorobenzene	2,400	49,000	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
1,3-Dichloropropane	NS	NS	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
1,4-Dichlorobenzene	1,800	13,000	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
1,4-Diethylbenzene	NS	NS	14	U	12	U	12	U	12	U	14	U	12	U	12	U	12	U
2,2-Dichloropropane	NS	NS	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
2-Butanone	120	100,000	35	U	31	U	30	U	29	U	36	U	30	U	29	U	30	U
2-Hexanone	NS	NS	35	U	31	U	30	U	29	U	36	U	30	U	29	U	30	U
4-Ethyltoluene	NS	NS	14	U	12	U	12	U	12	U	14	U	12	U	12	U	12	U
4-Methyl-2-pentanone	NS	NS	35	U	31	U	30	U	29	U	36	U	30	U	29	U	30	U
Acetone	50	100,000	**67**		31	U	30	U	29	U	**42**		30	U	29	U	30	U
Acrylonitrile	NS	NS	35	U	31	U	30	U	29	U	36	U	30	U	29	U	30	U
Benzene	60	4,800	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
Bromobenzene	NS	NS	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
Bromochloromethane	NS	NS	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
Bromodichloromethane	NS	NS	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
Bromoform	NS	NS	14	U	12	U	12	U	12	U	14	U	12	U	12	U	12	U
Bromomethane	NS	NS	7	U	6.2	U	6	U	5.8	U	7.2	U	6	U	5.8	U	6.1	U
Carbon disulfide	NS	NS	35	U	31	U	30	U	29	U	36	U	30	U	29	U	30	U
Carbon tetrachloride	760	2,400	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
Chlorobenzene	1,100	100,000	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
Chloroethane	NS	NS	7	U	6.2	U	6	U	5.8	U	7.2	U	6	U	5.8	U	6.1	U
Chloroform	370	49,000	5.3	U	4.7	U	4.5	U	4.4	U	5.4	U	4.5	U	4.4	U	4.6	U
Chloromethane	NS	NS	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
cis-1,3-Dichloropropene	NS	NS	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
Dibromochloromethane	NS	NS	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
Dibromomethane	NS	NS	35	U	31	U	30	U	29	U	36	U	30	U	29	U	30	U
Dichlorodifluoromethane	NS	NS	35	U	31	U	30	U	29	U	36	U	30	UJ	29	U	30	U
Ethylbenzene	1,000	41,000	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
Hexachlorobutadiene	NS	NS	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
Isopropylbenzene	NS	NS	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
Methyl tert butyl ether	930	100,000	7	U	6.2	U	6	U	5.8	U	7.2	U	6	U	5.8	U	6.1	U
Methylene chloride	50	100,000	35	U	31	U	30	U	29	U	36	U	30	U	29	U	30	U
Naphthalene	NS	NS	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
n-Butylbenzene	12,000	NS	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
n-Propylbenzene	3,900	100,000	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
o-Chlorotoluene	NS	NS	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
o-Xylene	260	100,000	7	U	6.2	U	6	U	5.8	U	7.2	U	6	U	5.8	U	6.1	U
p/m-Xylene	260	100,000	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
p-Chlorotoluene	NS	NS	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
p-Isopropyltoluene	NS	NS	7	U	6.2	U	6	U	5.8	U	7.2	U	6	U	5.8	U	6.1	U
sec-Butylbenzene	11,000	100,000	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
Styrene	NS	NS	7	U	6.2	U	6	U	5.8	U	7.2	U	6	U	5.8	U	6.1	U
tert-Butylbenzene	5,900	NS	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
Toluene	700	100,000	5.3	U	4.7	U	4.5	U	4.4	U	**25**		4.5	U	4.4	U	4.6	U
trans-1,3-Dichloropropene	NS	100,000	3.5	U	3.1	U	3	U	2.9	U	3.6	U	3	U	2.9	U	3	U
Trichlorofluoromethane	NS	NS	18	U	16	U	15	U	14	U	18	U	15	U	14	U	15	U
Vinyl acetate	NS	NS	35	U	31	U	30	U	29	U	36	U	30	U	29	U	30	U

Notes:
All concentrations are µg/kg (ppb)
[1]Unrestricted Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environ
[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, E
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 6
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted SCO[1]	Restricted Residential SCO[2]	PWG-DW-2008-18	PWG-DW-2008-19	PWG-DW-2008-20	PWG-DW-2008-22	PWG-DW-2008-23	PWG-DW-2008-24	PWG-DW-2008-25	PWG-DW-2008-26
LAB SAMPLE ID			L0813344-23	L0813344-24	L0813344-25	L0813344-26	L0813344-27	L0813344-28	L0813344-29	L0813344-30
SAMPLING DATE			9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008
SAMPLE DEPTH (ft.)			4-4.5	4.5-5	4.5-5	5.25-5.75	3-3.5	6-6.5	5.75-6.25	4.25-4.75
Volatile Organics by EPA 8260B										
Tetrachloroethene	1,300	19,000	**18**	**82**	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
Trichloroethene	470	21,000	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
cis-1,2-Dichloroethene	250	100,000	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
trans-1,2-Dichloroethene	190	100,000	4.8 U	4.5 U	5.3 U	4.3 U	4.7 U	5 U	4.7 U	4.5 U
1,1-Dichloroethene	330	100,000	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
Vinyl chloride	20	900	6.4 U	6 U	7 U	5.7 U	6.3 U	6.7 U	6.2 U	6 U
1,1,1,2-Tetrachloroethane	NS	NS	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
1,1,1-Trichloroethane	680	100,000	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
1,1,2,2-Tetrachloroethane	NS	NS	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
1,1,2-Trichloroethane	NS	NS	4.8 U	4.5 U	5.3 U	4.3 U	4.7 U	5 U	4.7 U	4.5 U
1,1-Dichloroethane	270	26,000	4.8 U	4.5 U	5.3 U	4.3 U	4.7 U	5 U	4.7 U	4.5 U
1,1-Dichloropropene	NS	NS	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
1,2,3-Trichlorobenzene	NS	NS	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
1,2,3-Trichloropropane	NS	NS	32 U	30 U	35 U	29 U	32 U	33 U	31 U	30 U
1,2,4,5-Tetramethylbenzene	NS	NS	13 U	12 U	14 U	11 U	13 U	13 U	12 U	12 U
1,2,4-Trichlorobenzene	NS	NS	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
1,2,4-Trimethylbenzene	3,600	52,000	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
1,2-Dibromo-3-chloropropane	NS	NS	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
1,2-Dibromoethane	NS	NS	13 U	12 U	14 U	11 U	13 U	13 U	12 U	12 U
1,2-Dichlorobenzene	1,100	100,000	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
1,2-Dichloroethane	20	3,100	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
1,2-Dichloropropane	NS	NS	11 U	10 U	12 U	10 U	11 U	12 U	11 U	10 U
1,3,5-Trimethylbenzene	8,400	52,000	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
1,3-Dichlorobenzene	2,400	49,000	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
1,3-Dichloropropane	NS	NS	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
1,4-Dichlorobenzene	1,800	13,000	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
1,4-Diethylbenzene	NS	NS	13 U	12 U	14 U	11 U	13 U	13 U	12 U	12 U
2,2-Dichloropropane	NS	NS	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
2-Butanone	120	100,000	32 U	30 U	35 U	29 U	32 U	33 U	31 U	30 U
2-Hexanone	NS	NS	32 U	30 U	35 U	29 U	32 U	33 U	31 U	30 U
4-Ethyltoluene	NS	NS	13 U	12 U	14 U	11 U	13 U	13 U	12 U	12 U
4-Methyl-2-pentanone	NS	NS	32 U	30 U	35 U	29 U	32 U	33 U	31 U	30 U
Acetone	50	100,000	32 U	30 U	35 U	29 U	32 U	33 U	31 U	30 U
Acrylonitrile	NS	NS	32 U	30 U	35 U	29 U	32 U	33 U	31 U	30 U
Benzene	60	4,800	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
Bromobenzene	NS	NS	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
Bromochloromethane	NS	NS	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
Bromodichloromethane	NS	NS	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
Bromoform	NS	NS	13 U	12 U	14 U	11 U	13 U	13 U	12 U	12 U
Bromomethane	NS	NS	6.4 U	6 U	7 U	5.7 U	6.3 U	6.7 U	6.2 U	6 U
Carbon disulfide	NS	NS	32 U	30 U	35 U	29 U	32 U	33 U	31 U	30 U
Carbon tetrachloride	760	2,400	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
Chlorobenzene	1,100	100,000	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
Chloroethane	NS	NS	6.4 U	6 U	7 U	5.7 U	6.3 U	6.7 U	6.2 U	6 U
Chloroform	370	49,000	4.8 U	4.5 U	5.3 U	4.3 U	4.7 U	5 U	4.7 U	4.5 U
Chloromethane	NS	NS	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
cis-1,3-Dichloropropene	NS	NS	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
Dibromochloromethane	NS	NS	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
Dibromomethane	NS	NS	32 U	30 U	35 U	29 U	32 U	33 U	31 U	30 U
Dichlorodifluoromethane	NS	NS	32 U	30 U	35 U	29 U	32 U	33 U	31 U	30 U
Ethylbenzene	1,000	41,000	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
Hexachlorobutadiene	NS	NS	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
Isopropylbenzene	NS	NS	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
Methyl tert butyl ether	930	100,000	6.4 U	6 U	7 U	5.7 U	6.3 U	6.7 U	6.2 U	6 U
Methylene chloride	50	100,000	32 U	30 U	35 U	29 U	32 U	33 U	31 U	30 U
Naphthalene	NS	NS	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
n-Butylbenzene	12,000	NS	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
n-Propylbenzene	3,900	100,000	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
o-Chlorotoluene	NS	NS	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
o-Xylene	260	100,000	6.4 U	6 U	7 U	5.7 U	6.3 U	6.7 U	6.2 U	6 U
p/m-Xylene	260	100,000	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
p-Chlorotoluene	NS	NS	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
p-Isopropyltoluene	NS	NS	6.4 U	6 U	7 U	5.7 U	6.3 U	6.7 U	6.2 U	6 U
sec-Butylbenzene	11,000	100,000	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
Styrene	NS	NS	6.4 U	6 U	7 U	5.7 U	6.3 U	6.7 U	6.2 U	6 U
tert-Butylbenzene	5,900	NS	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
Toluene	700	100,000	4.8 U	4.5 U	5.3 U	4.3 U	4.7 U	5 U	4.7 U	4.5 U
trans-1,3-Dichloropropene	NS	100,000	3.2 U	3 U	3.5 U	2.9 U	3.2 U	3.3 U	3.1 U	3 U
Trichlorofluoromethane	NS	NS	16 U	15 U	18 U	14 U	16 U	17 U	16 U	15 U
Vinyl acetate	NS	NS	32 U	30 U	35 U	29 U	32 U	33 U	31 U	30 U

Notes:
All concentrations are µg/kg (ppb)
[1]Unrestricted Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environ
[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, E
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Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 6
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted	Restricted	PWG-DW-2008-27		PWG-DW-2008-28		PWG-DW-2008-29		PWG-DW-2008-30		PWG-DW-2008-31		PWG-DW-2008-33		PWG-DW-2008-34		PWG-DW-2008-37	
LAB SAMPLE ID	SCO[1]	Residential	L0813447-02		L0813447-03		L0813447-04		L0813447-05		L0813447-06		L0813447-07		L0813447-08		L0813447-09	
SAMPLING DATE		SCO[2]	9/10/2008		9/10/2008		9/10/2008		9/10/2008		9/10/2008		9/10/2008		9/10/2008		9/10/2008	
SAMPLE DEPTH (ft.)			12.5-13		12-12.5		10-10.5		8.5-9		8-8.5		7-7.5		5.5-6		11-11.5	
Volatile Organics by EPA 8260B																		
Tetrachloroethene	1,300	19,000	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
Trichloroethene	470	21,000	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
cis-1,2-Dichloroethene	250	100,000	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
trans-1,2-Dichloroethene	190	100,000	4.8	U	5.5	U	4.9	U	7.6	U	5.5	U	5.4	U	5.7	U	6.9	U
1,1-Dichloroethene	330	100,000	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
Vinyl chloride	20	900	6.4	U	7.4	U	6.6	U	10	U	7.4	U	7.2	U	7.6	U	9.2	U
1,1,1,2-Tetrachloroethane	NS	NS	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
1,1,1-Trichloroethane	680	100,000	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
1,1,2,2-Tetrachloroethane	NS	NS	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
1,1,2-Trichloroethane	NS	NS	4.8	U	5.5	U	4.9	U	7.6	U	5.5	U	5.4	U	5.7	U	6.9	U
1,1-Dichloroethane	270	26,000	4.8	U	5.5	U	4.9	U	7.6	U	5.5	U	5.4	U	5.7	U	6.9	U
1,1-Dichloropropene	NS	NS	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
1,2,3-Trichlorobenzene	NS	NS	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
1,2,3-Trichloropropane	NS	NS	32	U	37	U	33	U	51	U	37	U	36	U	38	UJ	46	U
1,2,4,5-Tetramethylbenzene	NS	NS	13	U	15	U	13	U	20	U	15	U	14	U	15	U	18	U
1,2,4-Trichlorobenzene	NS	NS	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
1,2,4-Trimethylbenzene	3,600	52,000	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
1,2-Dibromo-3-chloropropane	NS	NS	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
1,2-Dibromoethane	NS	NS	13	U	15	U	13	U	20	U	15	U	14	U	15	U	18	U
1,2-Dichlorobenzene	1,100	100,000	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
1,2-Dichloroethane	20	3,100	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
1,2-Dichloropropane	NS	NS	11	U	13	U	12	U	18	U	13	U	13	U	13	U	16	U
1,3,5-Trimethylbenzene	8,400	52,000	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
1,3-Dichlorobenzene	2,400	49,000	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
1,3-Dichloropropane	NS	NS	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
1,4-Dichlorobenzene	1,800	13,000	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
1,4-Diethylbenzene	NS	NS	13	U	15	U	13	U	20	U	15	U	14	U	15	U	18	U
2,2-Dichloropropane	NS	NS	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
2-Butanone	120	100,000	32	U	37	U	33	U	51	U	37	U	36	U	38	U	46	U
2-Hexanone	NS	NS	32	U	37	U	33	U	51	U	37	U	36	U	38	U	46	U
4-Ethyltoluene	NS	NS	13	U	15	U	13	U	20	U	15	U	14	U	15	U	18	U
4-Methyl-2-pentanone	NS	NS	32	U	37	U	33	U	51	U	37	U	36	U	38	U	46	U
Acetone	50	100,000	32	U	37	U	33	U	**70**		37	U	**43**		**48**		**67**	
Acrylonitrile	NS	NS	32	U	37	U	33	U	51	U	37	U	36	U	38	U	46	U
Benzene	60	4,800	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
Bromobenzene	NS	NS	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
Bromochloromethane	NS	NS	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
Bromodichloromethane	NS	NS	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
Bromoform	NS	NS	13	U	15	U	13	U	20	U	15	U	14	U	15	U	18	U
Bromomethane	NS	NS	6.4	U	7.4	U	6.6	U	10	U	7.4	U	7.2	U	7.6	U	9.2	U
Carbon disulfide	NS	NS	32	U	37	U	33	U	51	U	37	U	36	U	38	UJ	46	U
Carbon tetrachloride	760	2,400	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
Chlorobenzene	1,100	100,000	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
Chloroethane	NS	NS	6.4	U	7.4	U	6.6	U	10	U	7.4	U	7.2	U	7.6	U	9.2	U
Chloroform	370	49,000	4.8	U	5.5	U	4.9	U	7.6	U	5.5	U	5.4	U	5.7	U	6.9	U
Chloromethane	NS	NS	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
cis-1,3-Dichloropropene	NS	NS	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
Dibromochloromethane	NS	NS	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
Dibromomethane	NS	NS	32	U	37	U	33	U	51	U	37	U	36	U	38	U	46	U
Dichlorodifluoromethane	NS	NS	32	U	37	U	33	U	51	U	37	U	36	U	38	UJ	46	U
Ethylbenzene	1,000	41,000	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
Hexachlorobutadiene	NS	NS	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
Isopropylbenzene	NS	NS	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
Methyl tert butyl ether	930	100,000	6.4	U	7.4	U	6.6	U	10	U	7.4	U	7.2	U	7.6	U	9.2	U
Methylene chloride	50	100,000	32	U	37	U	33	U	51	U	37	U	36	U	38	U	46	U
Naphthalene	NS	NS	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
n-Butylbenzene	12,000	NS	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
n-Propylbenzene	3,900	100,000	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
o-Chlorotoluene	NS	NS	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
o-Xylene	260	100,000	6.4	U	7.4	U	6.6	U	10	U	7.4	U	7.2	U	7.6	U	9.2	U
p/m-Xylene	260	100,000	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
p-Chlorotoluene	NS	NS	3.2	U	3.7	U	3.3	U	**11**		3.7	U	3.6	U	3.8	U	4.6	U
p-Isopropyltoluene	NS	NS	6.4	U	7.4	U	6.6	U	10	U	7.4	U	7.2	U	7.6	U	9.2	U
sec-Butylbenzene	11,000	100,000	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
Styrene	NS	NS	6.4	U	7.4	U	6.6	U	10	U	7.4	U	7.2	U	7.6	U	9.2	U
tert-Butylbenzene	5,900	NS	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
Toluene	700	100,000	4.8	U	5.5	U	4.9	U	7.6	U	5.5	U	5.4	U	5.7	U	6.9	U
trans-1,3-Dichloropropene	NS	100,000	3.2	U	3.7	U	3.3	U	5.1	U	3.7	U	3.6	U	3.8	U	4.6	U
Trichlorofluoromethane	NS	NS	16	U	18	U	16	U	26	U	18	U	18	U	19	U	23	U
Vinyl acetate	NS	NS	32	U	37	U	33	U	51	U	37	U	36	U	38	UJ	46	U

Notes:
All concentrations are µg/kg (ppb)
[1]Unrestricted Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environ
[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, E
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 6
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted	Restricted	PWG-DW-2008-38	PWG-DW-2008-39	PWG-DW-2008-40	PWG-DW-2008-41	PWG-LP-2008-01	PWG-LP-2008-01
LAB SAMPLE ID	SCO[1]	Residential	L0813447-11	L0813447-12	L0813447-13	L0813447-14	L0813344-20	L0814755-01
SAMPLING DATE		SCO[2]	9/10/2008	9/10/2008	9/10/2008	9/10/2008	9/8/2008	10/3/2008
SAMPLE DEPTH (ft.)			7-7.5	8.5-9	6-6.5	9-9.5	7.75-8.25	9-11
Volatile Organics by EPA 8260B								
Tetrachloroethene	1,300	19,000	15 U	3.6 U	2.7 U	3.2 U	**120**	**4.9**
Trichloroethene	470	21,000	15 U	3.6 U	2.7 U	3.2 U	**8.7**	3.3 U
cis-1,2-Dichloroethene	250	100,000	15 U	3.6 U	2.7 U	3.2 U	**5.3**	3.3 U
trans-1,2-Dichloroethene	190	100,000	22 U	5.4 U	4.1 U	4.7 U	4.4 U	4.9 U
1,1-Dichloroethene	330	100,000	15 U	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
Vinyl chloride	20	900	29 U	7.1 U	5.5 U	6.3 U	5.9 U	6.6 U
1,1,1,2-Tetrachloroethane	NS	NS	15 U	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
1,1,1-Trichloroethane	680	100,000	15 U	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
1,1,2,2-Tetrachloroethane	NS	NS	15 U	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
1,1,2-Trichloroethane	NS	NS	22 U	5.4 U	4.1 U	4.7 U	4.4 U	4.9 U
1,1-Dichloroethane	270	26,000	22 U	5.4 U	4.1 U	4.7 U	4.4 U	4.9 U
1,1-Dichloropropene	NS	NS	74 U	18 U	14 U	16 U	15 U	16 U
1,2,3-Trichlorobenzene	NS	NS	74 U	18 U	14 U	16 U	15 U	16 U
1,2,3-Trichloropropane	NS	NS	150 U	36 U	27 U	32 U	29 U	33 U
1,2,4,5-Tetramethylbenzene	NS	NS	**230**	14 U	11 U	13 U	12 U	13 U
1,2,4-Trichlorobenzene	NS	NS	74 U	18 U	14 U	16 U	15 U	16 U
1,2,4-Trimethylbenzene	3,600	52,000	74 U	18 U	14 U	16 U	15 U	16 U
1,2-Dibromo-3-chloropropane	NS	NS	74 U	18 U	14 U	16 U	15 U	16 U
1,2-Dibromoethane	NS	NS	59 U	14 U	11 U	13 U	12 U	13 U
1,2-Dichlorobenzene	1,100	100,000	74 U	18 U	14 U	16 U	15 U	16 U
1,2-Dichloroethane	20	3,100	15 U	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
1,2-Dichloropropane	NS	NS	51 U	12 U	9.6 U	11 U	10 U	12 U
1,3,5-Trimethylbenzene	8,400	52,000	74 U	18 U	14 U	16 U	15 U	16 U
1,3-Dichlorobenzene	2,400	49,000	74 U	18 U	14 U	16 U	15 U	16 U
1,3-Dichloropropane	NS	NS	74 U	18 U	14 U	16 U	15 U	16 U
1,4-Dichlorobenzene	1,800	13,000	74 U	18 U	14 U	16 U	15 U	16 U
1,4-Diethylbenzene	NS	NS	**340**	14 U	11 U	13 U	12 U	13 U
2,2-Dichloropropane	NS	NS	74 U	18 U	14 U	16 U	15 U	16 U
2-Butanone	120	100,000	150 U	36 U	27 U	32 U	29 U	33 U
2-Hexanone	NS	NS	150 U	36 U	27 U	32 U	29 U	33 U
4-Ethyltoluene	NS	NS	59 U	14 U	11 U	13 U	12 U	13 U
4-Methyl-2-pentanone	NS	NS	150 U	36 U	27 U	32 U	29 U	33 U
Acetone	50	100,000	**320**	**74**	27 U	32 U	29 U	33 U
Acrylonitrile	NS	NS	150 U	36 U	27 U	32 U	29 U	33 U
Benzene	60	4,800	15 U	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
Bromobenzene	NS	NS	74 U	18 U	14 U	16 U	15 U	16 U
Bromochloromethane	NS	NS	74 U	18 U	14 U	16 U	15 U	16 U
Bromodichloromethane	NS	NS	15 U	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
Bromoform	NS	NS	59 U	14 U	11 U	13 U	12 U	13 U
Bromomethane	NS	NS	29 U	7.1 U	5.5 U	6.3 U	5.9 U	6.6 U
Carbon disulfide	NS	NS	150 U	36 U	27 U	32 U	29 U	33 U
Carbon tetrachloride	760	2,400	15 U	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
Chlorobenzene	1,100	100,000	15 U	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
Chloroethane	NS	NS	29 U	7.1 U	5.5 U	6.3 U	5.9 U	6.6 U
Chloroform	370	49,000	22 U	5.4 U	4.1 U	4.7 U	4.4 U	4.9 U
Chloromethane	NS	NS	74 U	18 U	14 U	16 U	15 U	16 U
cis-1,3-Dichloropropene	NS	NS	15 U	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
Dibromochloromethane	NS	NS	15 U	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
Dibromomethane	NS	NS	150 U	36 U	27 U	32 U	29 U	33 U
Dichlorodifluoromethane	NS	NS	150 U	36 U	27 U	32 U	29 U	33 U
Ethylbenzene	1,000	41,000	15 U	**5**	2.7 U	3.2 U	2.9 U	3.3 U
Hexachlorobutadiene	NS	NS	74 U	18 U	14 U	16 U	15 U	16 U
Isopropylbenzene	NS	NS	15 U	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
Methyl tert butyl ether	930	100,000	29 U	7.1 U	5.5 U	6.3 U	5.9 U	6.6 U
Methylene chloride	50	100,000	150 U	36 U	27 U	32 U	29 U	33 U
Naphthalene	NS	NS	**140**	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
n-Butylbenzene	12,000	NS	15 U	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
n-Propylbenzene	3,900	100,000	**370**	18 U	14 U	16 U	15 U	16 U
o-Chlorotoluene	NS	NS	74 U	18 U	14 U	16 U	15 U	16 U
o-Xylene	260	100,000	29 U	7.1 U	5.5 U	6.3 U	5.9 U	6.6 U
p/m-Xylene	260	100,000	74 U	18 U	14 U	16 U	15 U	16 U
p-Chlorotoluene	NS	NS	**110**	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
p-Isopropyltoluene	NS	NS	29 U	7.1 U	5.5 U	6.3 U	5.9 U	6.6 U
sec-Butylbenzene	11,000	100,000	**57**	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
Styrene	NS	NS	29 U	7.1 U	5.5 U	6.3 U	5.9 U	6.6 U
tert-Butylbenzene	5,900	NS	74 U	18 U	14 U	16 U	15 U	16 U
Toluene	700	100,000	**42**	5.4 U	4.1 U	4.7 U	4.4 U	4.9 U
trans-1,3-Dichloropropene	NS	100,000	15 U	3.6 U	2.7 U	3.2 U	2.9 U	3.3 U
Trichlorofluoromethane	NS	NS	74 U	18 U	14 U	16 U	15 U	16 U
Vinyl acetate	NS	NS	150 U	36 U	27 U	32 U	29 U	33 U

Notes:
All concentrations are µg/kg (ppb)
[1]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environ
[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, E
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 7
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Semi-Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted SCO[1]	Restricted Residential SCO[2]	PWG-DW-2008-01	PWG-DW-2008-02	PWG-DW-2008-03	PWG-DW-2008-04	PWG-DW-2008-05	PWG-DW-2008-06	PWG-DW-2008-07	PWG-DW-2008-09
LAB SAMPLE ID			L0813344-04	L0813344-05	L0813344-06	L0813344-07	L0813344-08	L0813344-09	L0813344-10	L0813344-12
SAMPLING DATE			9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008
SAMPLE DEPTH (ft.)			7.25-7.75	5.25-5.75	8.75-9.25	7.25-7.75	6.75-7.25	6.75-7.25	6.75-7.25	6.75-7.25
Semivolatile Organics by EPA 8270C										
1,2,4,5-Tetrachlorobenzene	NS	NS	1,600 U	8,400 U	1,700 U	1,700 U	1,600 U	1,600 U	18,000 U	8,200 U
1,2,4-Trichlorobenzene	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
1,2-Dichlorobenzene	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
1,3-Dichlorobenzene	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
1,4-Dichlorobenzene	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
2,4,5-Trichlorophenol	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
2,4,6-Trichlorophenol	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
2,4-Dichlorophenol	NS	NS	790 U	4,200 U	830 U	860 U	780 U	790 U	9,100 U	4,100 U
2,4-Dimethylphenol	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
2,4-Dinitrophenol	NS	NS	1,600 U	8,400 U	1,700 U	1,700 U	1,600 U	1,600 U	18,000 U	8,200 U
2,4-Dinitrotoluene	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
2,6-Dinitrotoluene	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
2-Chloronaphthalene	NS	NS	480 U	2,500 U	500 U	520 U	460 U	480 U	5,500 U	2,500 U
2-Chlorophenol	NS	NS	480 U	2,500 U	500 U	520 U	460 U	480 U	5,500 U	2,500 U
2-Methylnaphthalene	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
2-Methylphenol	NS	NS	480 U	2,500 U	500 U	520 U	460 U	480 U	5,500 U	2,500 U
2-Nitroaniline	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
2-Nitrophenol	NS	NS	1,600 U	8,400 U	1,700 U	1,700 U	1,600 U	1,600 U	18,000 U	8,200 U
3,3'-Dichlorobenzidine	NS	NS	790 U	4,200 U	830 U	860 U	780 U	790 U	9,100 U	4,100 U
3-Methylphenol/4-Methylphenol	NS	NS	480 U	2,500 U	500 U	520 U	460 U	480 U	5,500 U	2,500 U
3-Nitroaniline	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
4,6-Dinitro-o-cresol	NS	NS	1,600 U	8,400 U	1,700 U	1,700 U	1,600 U	1,600 U	18,000 U	8,200 U
4-Bromophenyl phenyl ether	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
4-Chloroaniline	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
4-Chlorophenyl phenyl ether	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
4-Nitroaniline	NS	NS	560 U	3,000 U	580 U	610 U	540 U	560 U	6,400 U	2,900 U
4-Nitrophenol	NS	NS	790 U	4,200 U	830 U	860 U	780 U	790 U	9,100 U	4,100 U
Acenaphthene	20000	100000	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Acenaphthylene	100000	100000	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Acetophenone	NS	NS	1,600 U	8,400 U	1,700 U	1,700 U	1,600 U	1,600 U	18,000 U	8,200 U
Anthracene	100000	100000	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Benzo(a)anthracene	1000	1000	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Benzo(a)pyrene	1000	1000	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Benzo(b)fluoranthene	1000	1000	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Benzo(ghi)perylene	100000	100000	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Benzo(k)fluoranthene	800	3900	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Benzoic Acid	NS	NS	4,000 U	21,000 U	4,200 U	4,300 U	3,900 U	4,000 U	46,000 U	20,000 U
Benzyl Alcohol	NS	NS	790 U	4,200 U	830 U	860 U	780 U	790 U	9,100 U	4,100 U
Biphenyl	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Bis(2-chloroethoxy)methane	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Bis(2-chloroethyl)ether	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Bis(2-chloroisopropyl)ether	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Bis(2-Ethylhexyl)phthalate	NS	NS	790 U	4,200 U	830 U	860 U	780 U	790 U	9,100 U	4,100 U
Butyl benzyl phthalate	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Carbazole	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Chrysene	1000	3900	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Di-n-butylphthalate	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Di-n-octylphthalate	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Dibenzo(a,h)anthracene	330	330	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Dibenzofuran	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Diethyl phthalate	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Dimethyl phthalate	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Fluoranthene	100000	100000	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Fluorene	30000	100000	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Hexachlorobenzene	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Hexachlorobutadiene	NS	NS	790 U	4,200 U	830 U	860 U	780 U	790 U	9,100 U	4,100 U
Hexachlorocyclopentadiene	NS	NS	790 U	4,200 U	830 U	860 U	780 U	790 U	9,100 U	4,100 U
Hexachloroethane	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Indeno(1,2,3-cd)Pyrene	500	500	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Isophorone	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
n-Nitrosodi-n-propylamine	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Naphthalene	12000	100000	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Nitrobenzene	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	1,200 U	6,300 U	1,200 U	1,300 U	1,200 U	1,200 U	14,000 U	6,200 U
P-Chloro-M-Cresol	NS	NS	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Pentachlorophenol	800	6700	1,600 U	8,400 U	1,700 U	1,700 U	1,600 U	1,600 U	18,000 U	8,200 U
Phenanthrene	100000	100000	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Phenol	330	100000	560 U	3,000 U	580 U	610 U	540 U	560 U	6,400 U	2,900 U
Pyrene	100000	100000	400 U	2,100 U	420 U	430 U	390 U	400 U	4,600 U	2,000 U
Semivolatile Organics by EPA 8270C-SIM										
2-Chloronaphthalene	NS	NS	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
2-Methylnaphthalene	NS	NS	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Acenaphthene	20000	100000	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Acenaphthylene	100000	100000	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Anthracene	100000	100000	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Benzo(a)anthracene	1000	1000	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Benzo(a)pyrene	1000	1000	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Benzo(b)fluoranthene	1000	1000	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Benzo(ghi)perylene	100000	100000	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Benzo(k)fluoranthene	800	3900	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Chrysene	1000	3900	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Dibenzo(a,h)anthracene	3300	330	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Fluoranthene	100000	100000	**170**	840 U	83 U	86 U	78 U	**30**	1,800 U	820 U
Fluorene	30000	100000	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Hexachlorobenzene	NS	NS	320 U	3,400 U	330 U	350 U	310 U	63 U	7,300 U	3,300 U
Hexachlorobutadiene	NS	NS	200 U	2,100 U	210 U	220 U	190 U	40 U	4,600 U	2,000 U
Hexachloroethane	NS	NS	320 U	3,400 U	330 U	350 U	310 U	63 U	7,300 U	3,300 U
Indeno(1,2,3-cd)Pyrene	500	500	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Naphthalene	12000	100000	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Pentachlorophenol	800	6700	320 U	3,400 U	330 U	350 U	310 U	63 U	7,300 U	3,300 U
Phenanthrene	100000	100000	79 U	840 U	83 U	86 U	78 U	16 U	1,800 U	820 U
Pyrene	100000	100000	**170**	840 U	83 U	86 U	78 U	**32**	1,800 U	820 U

Notes:
All concentrations are µg/kg (ppb)
[1]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
[2]Restricted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 7
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Semi-Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted SCO[1]	Restricted Residential SCO[2]	PWG-DW-2008-10	PWG-DW-2008-11	PWG-DW-2008-12	PWG-DW-2008-13	PWG-DW-2008-14	PWG-DW-2008-15	PWG-DW-2008-16	PWG-DW-2008-17
LAB SAMPLE ID			L0813344-13	L0813344-14	L0813344-15	L0813344-16	L0813344-17	L0813344-18	L0813344-21	L0813344-22
SAMPLING DATE			9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008
SAMPLE DEPTH (ft.)			6.25-6.75	6.75-7.25	7.25-7.75	7.25-7.75	6-6.5	7-7.5	5.5-6	5.5-6
Semivolatile Organics by EPA 8270C										
1,2,4,5-Tetrachlorobenzene	NS	NS	9,400 U	1,700 U	1,600 U	1,600 U	3,900 U	1,600 U	1,600 U	3,200 U
1,2,4-Trichlorobenzene	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
1,2-Dichlorobenzene	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
1,3-Dichlorobenzene	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
1,4-Dichlorobenzene	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
2,4,5-Trichlorophenol	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
2,4,6-Trichlorophenol	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
2,4-Dichlorophenol	NS	NS	4,700 U	830 U	800 U	780 U	1,900 U	790 U	780 U	1,600 U
2,4-Dimethylphenol	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
2,4-Dinitrophenol	NS	NS	9,400 U	1,700 U	1,600 U	1,600 U	3,900 U	1,600 U	1,600 U	3,200 U
2,4-Dinitrotoluene	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
2,6-Dinitrotoluene	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
2-Chloronaphthalene	NS	NS	2,800 U	500 U	480 U	460 U	1,200 U	480 U	460 U	980 U
2-Chlorophenol	NS	NS	2,800 U	500 U	480 U	460 U	1,200 U	480 U	460 U	980 U
2-Methylnaphthalene	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
2-Methylphenol	NS	NS	2,800 U	500 U	480 U	460 U	1,200 U	480 U	460 U	980 U
2-Nitroaniline	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
2-Nitrophenol	NS	NS	9,400 U	1,700 U	1,600 U	1,600 U	3,900 U	1,600 U	1,600 U	3,200 U
3,3'-Dichlorobenzidine	NS	NS	4,700 U	830 U	800 U	780 U	1,900 U	790 U	780 U	1,600 U
3-Methylphenol/4-Methylphenol	NS	NS	2,800 U	500 U	480 U	460 U	1,200 U	480 U	460 U	980 U
3-Nitroaniline	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
4,6-Dinitro-o-cresol	NS	NS	9,400 U	1,700 U	1,600 U	1,600 U	3,900 U	1,600 U	1,600 U	3,200 U
4-Bromophenyl phenyl ether	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
4-Chloroaniline	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
4-Chlorophenyl phenyl ether	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
4-Nitroaniline	NS	NS	3,300 U	580 U	560 U	540 U	1,400 U	560 U	540 U	1,100 U
4-Nitrophenol	NS	NS	4,700 U	830 U	800 U	780 U	1,900 U	790 U	780 U	1,600 U
Acenaphthene	20000	100000	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Acenaphthylene	100000	100000	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Acetophenone	NS	NS	9,400 U	1,700 U	1,600 U	1,600 U	3,900 U	1,600 UJ	1,600 U	3,200 U
Anthracene	100000	100000	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Benzo(a)anthracene	1000	1000	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Benzo(a)pyrene	1000	1000	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Benzo(b)fluoranthene	1000	1000	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Benzo(ghi)perylene	100000	100000	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Benzo(k)fluoranthene	800	3900	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Benzoic Acid	NS	NS	23,000 U	4,200 U	4,000 U	3,900 U	9,700 U	4,000 U	3,900 U	8,100 U
Benzyl Alcohol	NS	NS	4,700 U	830 U	800 U	780 U	1,900 U	790 U	780 U	1,600 U
Biphenyl	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Bis(2-chloroethoxy)methane	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Bis(2-chloroethyl)ether	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Bis(2-chloroisopropyl)ether	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Bis(2-Ethylhexyl)phthalate	NS	NS	4,700 U	830 U	800 U	780 U	1,900 U	790 U	780 U	**2,000**
Butyl benzyl phthalate	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Carbazole	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Chrysene	1000	3900	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Di-n-butylphthalate	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Di-n-octylphthalate	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Dibenzo(a,h)anthracene	330	330	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Dibenzofuran	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Diethyl phthalate	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Dimethyl phthalate	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Fluoranthene	100000	100000	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Fluorene	30000	100000	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Hexachlorobenzene	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Hexachlorobutadiene	NS	NS	4,700 U	830 U	800 U	780 U	1,900 U	790 U	780 U	1,600 U
Hexachlorocyclopentadiene	NS	NS	4,700 U	830 U	800 U	780 U	1,900 U	790 U	780 U	1,600 U
Hexachloroethane	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Indeno(1,2,3-cd)Pyrene	500	500	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Isophorone	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 UJ	390 U	810 U
n-Nitrosodi-n-propylamine	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Naphthalene	12000	100000	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Nitrobenzene	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	7,000 U	1,200 U	1,200 U	1,200 U	2,900 U	1,200 U	1,200 U	2,400 U
P-Chloro-M-Cresol	NS	NS	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Pentachlorophenol	800	6700	9,400 U	1,700 U	1,600 U	1,600 U	3,900 U	1,600 U	1,600 U	3,200 U
Phenanthrene	100000	100000	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Phenol	330	100000	3,300 U	580 U	560 U	540 U	1,400 U	560 U	540 U	1,100 U
Pyrene	100000	100000	2,300 U	420 U	400 U	390 U	970 U	400 U	390 U	810 U
Semivolatile Organics by EPA 8270C-SIM										
2-Chloronaphthalene	NS	NS	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
2-Methylnaphthalene	NS	NS	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Acenaphthene	20000	100000	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Acenaphthylene	100000	100000	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Anthracene	100000	100000	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Benzo(a)anthracene	1000	1000	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Benzo(a)pyrene	1000	1000	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Benzo(b)fluoranthene	1000	1000	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Benzo(ghi)perylene	100000	100000	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Benzo(k)fluoranthene	800	3900	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Chrysene	1000	3900	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Dibenzo(a,h)anthracene	3300	330	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Fluoranthene	100000	100000	190 U	33 U	**64**	**32**	970 U	79 UJ	**160**	810 U
Fluorene	30000	100000	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Hexachlorobenzene	NS	NS	750 U	130 U	130 U	62 U	3,900 U	320 U	310 U	3,200 U
Hexachlorobutadiene	NS	NS	470 U	83 U	80 U	39 U	2,400 U	200 U	190 U	2,000 U
Hexachloroethane	NS	NS	750 U	130 U	130 U	62 U	3,900 U	320 U	310 U	3,200 U
Indeno(1,2,3-cd)Pyrene	500	500	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Naphthalene	12000	100000	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Pentachlorophenol	800	6700	750 U	130 U	130 U	62 U	3,900 U	320 U	310 U	3,200 U
Phenanthrene	100000	100000	190 U	33 U	32 U	16 U	970 U	79 U	78 U	810 U
Pyrene	100000	100000	190 U	33 U	**67**	**33**	970 U	79 UJ	**160**	810 U

Notes:
All concentrations are µg/kg (ppb)
[1]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Envir
[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SC(

Table 7
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Semi-Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted SCO[1]	Restricted Residential SCO[2]	PWG-DW-2008-18	PWG-DW-2008-19	PWG-DW-2008-20	PWG-DW-2008-22	PWG-DW-2008-23	PWG-DW-2008-24	PWG-DW-2008-25	PWG-DW-2008-26
LAB SAMPLE ID			L0813344-23	L0813344-24	L0813344-25	L0813344-26	L0813344-27	L0813344-28	L0813344-29	L0813344-30
SAMPLING DATE			9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008
SAMPLE DEPTH (ft.)			4-4.5	4.5-5	4.5-5	5.25-5.75	3-3.5	6-6.5	5.75-6.25	4.25-4.75
Semivolatile Organics by EPA 8270C										
1,2,4,5-Tetrachlorobenzene	NS	NS	3,400 U	3,200 U	19,000 U	1,500 U	8,400 U	1,800 U	1,700 U	7,900 U
1,2,4-Trichlorobenzene	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
1,2-Dichlorobenzene	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
1,3-Dichlorobenzene	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
1,4-Dichlorobenzene	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
2,4,5-Trichlorophenol	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
2,4,6-Trichlorophenol	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
2,4-Dichlorophenol	NS	NS	1,700 U	1,600 U	9,400 U	770 U	4,200 U	890 U	830 U	4,000 U
2,4-Dimethylphenol	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
2,4-Dinitrophenol	NS	NS	3,400 U	3,200 U	19,000 U	1,500 U	8,400 U	1,800 U	1,700 U	7,900 U
2,4-Dinitrotoluene	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
2,6-Dinitrotoluene	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
2-Chloronaphthalene	NS	NS	1,000 U	950 U	5,600 U	460 U	2,500 U	530 U	500 U	2,400 U
2-Chlorophenol	NS	NS	1,000 U	950 U	5,600 U	460 U	2,500 U	530 U	500 U	2,400 U
2-Methylnaphthalene	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
2-Methylphenol	NS	NS	1,000 U	950 U	5,600 U	460 U	2,500 U	530 U	500 U	2,400 U
2-Nitroaniline	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
2-Nitrophenol	NS	NS	3,400 U	3,200 U	19,000 U	1,500 U	8,400 U	1,800 U	1,700 U	7,900 U
3,3'-Dichlorobenzidine	NS	NS	1,700 U	1,600 U	9,400 U	770 U	4,200 U	890 U	830 U	4,000 U
3-Methylphenol/4-Methylphenol	NS	NS	1,000 U	950 U	5,600 U	460 U	2,500 U	530 U	500 U	2,400 U
3-Nitroaniline	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
4,6-Dinitro-o-cresol	NS	NS	3,400 U	3,200 U	19,000 U	1,500 U	8,400 U	1,800 U	1,700 U	7,900 U
4-Bromophenyl phenyl ether	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
4-Chloroaniline	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
4-Chlorophenyl phenyl ether	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
4-Nitroaniline	NS	NS	1,200 U	1,100 U	6,600 U	540 U	3,000 U	620 U	580 U	2,800 U
4-Nitrophenol	NS	NS	1,700 U	1,600 U	9,400 U	770 U	4,200 U	890 U	830 U	4,000 U
Acenaphthene	20000	100000	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Acenaphthylene	100000	100000	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Acetophenone	NS	NS	3,400 U	3,200 U	19,000 U	1,500 U	8,400 U	1,800 U	1,700 U	7,900 U
Anthracene	100000	100000	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Benzo(a)anthracene	1000	1000	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Benzo(a)pyrene	1000	1000	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Benzo(b)fluoranthene	1000	1000	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Benzo(ghi)perylene	100000	100000	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Benzo(k)fluoranthene	800	3900	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Benzoic Acid	NS	NS	8,500 U	7,900 U	47,000 U	3,800 U	21,000 U	4,400 U	4,200 U	20,000 U
Benzyl Alcohol	NS	NS	1,700 U	1,600 U	9,400 U	770 U	4,200 U	890 U	830 U	4,000 U
Biphenyl	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Bis(2-chloroethoxy)methane	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Bis(2-chloroethyl)ether	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Bis(2-chloroisopropyl)ether	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Bis(2-Ethylhexyl)phthalate	NS	NS	1,700 U	1,600 U	**12,000**	770 U	4,200 U	890 U	830 U	4,000 U
Butyl benzyl phthalate	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Carbazole	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Chrysene	1000	3900	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Di-n-butylphthalate	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Di-n-octylphthalate	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Dibenzo(a,h)anthracene	330	330	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Dibenzofuran	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Diethyl phthalate	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Dimethyl phthalate	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Fluoranthene	100000	100000	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Fluorene	30000	100000	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Hexachlorobenzene	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Hexachlorobutadiene	NS	NS	1,700 U	1,600 U	9,400 U	770 U	4,200 U	890 U	830 U	4,000 U
Hexachlorocyclopentadiene	NS	NS	1,700 U	1,600 U	9,400 U	770 U	4,200 U	890 U	830 U	4,000 U
Hexachloroethane	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Indeno(1,2,3-cd)Pyrene	500	500	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Isophorone	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
n-Nitrosodi-n-propylamine	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Naphthalene	12000	100000	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Nitrobenzene	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	2,600 U	2,400 U	14,000 U	1,100 U	6,300 U	1,300 U	1,200 U	6,000 U
P-Chloro-M-Cresol	NS	NS	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Pentachlorophenol	800	6700	3,400 U	3,200 U	19,000 U	1,500 U	8,400 U	1,800 U	1,700 U	7,900 U
Phenanthrene	100000	100000	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Phenol	330	100000	1,200 U	1,100 U	6,600 U	540 U	3,000 U	620 U	580 U	2,800 U
Pyrene	100000	100000	850 U	790 U	4,700 U	380 U	2,100 U	440 U	420 U	2,000 U
Semivolatile Organics by EPA 8270C-SIM										
2-Chloronaphthalene	NS	NS	850 U	16 U	1,900 U	31 U	840 U	89 U	17 U	790 U
2-Methylnaphthalene	NS	NS	850 U	16 U	1,900 U	31 U	840 U	89 U	17 U	790 U
Acenaphthene	20000	100000	850 U	16 U	1,900 U	31 U	840 U	89 U	17 U	790 U
Acenaphthylene	100000	100000	850 U	16 U	1,900 U	31 U	840 U	89 U	17 U	790 U
Anthracene	100000	100000	850 U	16 U	1,900 U	31 U	840 U	89 U	17 U	790 U
Benzo(a)anthracene	1000	1000	850 U	**18**	1,900 U	31 U	840 U	89 U	17 U	790 U
Benzo(a)pyrene	1000	1000	850 U	**36**	1,900 U	31 U	840 U	89 U	17 U	790 U
Benzo(b)fluoranthene	1000	1000	850 U	**32**	1,900 U	31 U	840 U	89 U	17 U	790 U
Benzo(ghi)perylene	100000	100000	850 U	16 U	1,900 U	31 U	840 U	89 U	17 U	790 U
Benzo(k)fluoranthene	800	3900	850 U	**34**	1,900 U	31 U	840 U	89 U	17 U	790 U
Chrysene	1000	3900	850 U	**16**	1,900 U	31 U	840 U	89 U	17 U	790 U
Dibenzo(a,h)anthracene	3300	330	850 U	16 U	1,900 U	31 U	840 U	89 U	17 U	790 U
Fluoranthene	100000	100000	850 U	**53**	1,900 U	31 U	840 U	**170**	17 U	790 U
Fluorene	30000	100000	850 U	16 U	1,900 U	31 U	840 U	89 U	17 U	790 U
Hexachlorobenzene	NS	NS	3,400 U	63 U	7,500 U	120 U	3,400 U	360 U	67 U	3,200 U
Hexachlorobutadiene	NS	NS	2,100 U	40 U	4,700 U	77 U	2,100 U	220 U	42 U	2,000 U
Hexachloroethane	NS	NS	3,400 U	63 U	7,500 U	120 U	3,400 U	360 U	67 U	3,200 U
Indeno(1,2,3-cd)Pyrene	500	500	850 U	16 U	1,900 U	31 U	840 U	89 U	17 U	790 U
Naphthalene	12000	100000	850 U	16 U	1,900 U	31 U	840 U	89 U	17 U	790 U
Pentachlorophenol	800	6700	3,400 U	63 U	7,500 U	120 U	3,400 U	360 U	67 U	3,200 U
Phenanthrene	100000	100000	850 U	**16**	1,900 U	31 U	840 U	89 U	17 U	790 U
Pyrene	100000	100000	850 U	**49**	1,900 U	31 U	840 U	**210**	17 U	790 U

Notes:
All concentrations are µg/kg (ppb)
[1]Unrestricted Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Envir
[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SC(

Table 7
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Semi-Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted SCO[1]	Restricted Residential SCO[2]	PWG-DW-2008-27	PWG-DW-2008-28	PWG-DW-2008-29	PWG-DW-2008-30	PWG-DW-2008-31	PWG-DW-2008-33	PWG-DW-2008-34	PWG-DW-2008-37
LAB SAMPLE ID			L0813447-02	L0813447-03	L0813447-04	L0813447-05	L0813447-06	L0813447-07	L0813447-08	L0813447-09
SAMPLING DATE			9/10/2008	9/10/2008	9/10/2008	9/10/2008	9/10/2008	9/10/2008	9/10/2008	9/10/2008
SAMPLE DEPTH (ft.)			12.5-13	12-12.5	10-10.5	8.5-9	8-8.5	7-7.5	5.5-6	11-11.5
Semivolatile Organics by EPA 8270C										
1,2,4,5-Tetrachlorobenzene	NS	NS	1,700 U	2,000 U	1,800 U	41,000 U	20,000 U	29,000 U	30,000 U	120,000 U
1,2,4-Trichlorobenzene	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
1,2-Dichlorobenzene	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
1,3-Dichlorobenzene	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
1,4-Dichlorobenzene	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
2,4,5-Trichlorophenol	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
2,4,6-Trichlorophenol	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
2,4-Dichlorophenol	NS	NS	850 U	980 U	880 U	20,000 U	9,800 U	14,000 U	15,000 U	62,000 U
2,4-Dimethylphenol	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
2,4-Dinitrophenol	NS	NS	1,700 U	2,000 U	1,800 U	41,000 U	20,000 U	29,000 U	30,000 U	120,000 U
2,4-Dinitrotoluene	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
2,6-Dinitrotoluene	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
2-Chloronaphthalene	NS	NS	510 U	590 U	530 U	12,000 U	5,900 U	8,700 U	9,100 U	37,000 U
2-Chlorophenol	NS	NS	510 U	590 U	530 U	12,000 U	5,900 U	8,700 U	9,100 U	37,000 U
2-Methylnaphthalene	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 UJ	31,000 U
2-Methylphenol	NS	NS	510 U	590 U	530 U	12,000 U	5,900 U	8,700 U	9,100 U	37,000 U
2-Nitroaniline	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
2-Nitrophenol	NS	NS	1,700 U	2,000 U	1,800 U	41,000 U	20,000 U	29,000 U	30,000 U	120,000 U
3,3'-Dichlorobenzidine	NS	NS	850 U	980 U	880 U	20,000 U	9,800 U	14,000 U	15,000 U	62,000 U
3-Methylphenol/4-Methylphenol	NS	NS	510 U	590 U	530 U	12,000 U	5,900 U	8,700 U	9,100 U	37,000 U
3-Nitroaniline	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
4,6-Dinitro-o-cresol	NS	NS	1,700 U	2,000 U	1,800 U	41,000 U	20,000 U	29,000 U	30,000 U	120,000 U
4-Bromophenyl phenyl ether	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
4-Chloroaniline	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
4-Chlorophenyl phenyl ether	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
4-Nitroaniline	NS	NS	600 U	690 U	610 U	14,000 U	6,900 U	10,000 U	11,000 U	43,000 U
4-Nitrophenol	NS	NS	850 U	980 U	880 U	20,000 U	9,800 U	14,000 U	15,000 U	62,000 U
Acenaphthene	20000	100000	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Acenaphthylene	100000	100000	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Acetophenone	NS	NS	1,700 U	2,000 U	1,800 U	41,000 U	20,000 U	29,000 U	30,000 U	120,000 U
Anthracene	100000	100000	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Benzo(a)anthracene	1000	1000	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Benzo(a)pyrene	1000	1000	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Benzo(b)fluoranthene	1000	1000	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Benzo(ghi)perylene	100000	100000	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Benzo(k)fluoranthene	800	3900	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Benzoic Acid	NS	NS	4,300 U	4,900 U	4,400 U	100,000 U	49,000 U	72,000 U	76,000 U	310,000 U
Benzyl Alcohol	NS	NS	850 U	980 U	880 U	20,000 U	9,800 U	14,000 U	15,000 U	62,000 U
Biphenyl	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Bis(2-chloroethoxy)methane	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Bis(2-chloroethyl)ether	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Bis(2-chloroisopropyl)ether	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Bis(2-Ethylhexyl)phthalate	NS	NS	850 U	980 U	880 U	**23,000**	9,800 U	**19,000**	15,000 U	62,000 U
Butyl benzyl phthalate	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Carbazole	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Chrysene	1000	3900	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Di-n-butylphthalate	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Di-n-octylphthalate	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Dibenzo(a,h)anthracene	330	330	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Dibenzofuran	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Diethyl phthalate	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Dimethyl phthalate	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Fluoranthene	100000	100000	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Fluorene	30000	100000	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Hexachlorobenzene	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Hexachlorobutadiene	NS	NS	850 U	980 U	880 U	20,000 U	9,800 U	14,000 U	15,000 U	62,000 U
Hexachlorocyclopentadiene	NS	NS	850 U	980 U	880 U	20,000 U	9,800 U	14,000 U	15,000 UJ	62,000 U
Hexachloroethane	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Indeno(1,2,3-cd)Pyrene	500	500	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Isophorone	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 UJ	31,000 U
n-Nitrosodi-n-propylamine	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Naphthalene	12000	100000	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Nitrobenzene	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	1,300 U	1,500 U	1,300 U	31,000 U	15,000 U	22,000 U	23,000 U	92,000 U
P-Chloro-M-Cresol	NS	NS	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Pentachlorophenol	800	6700	1,700 U	2,000 U	1,800 U	41,000 U	20,000 U	29,000 U	30,000 U	120,000 U
Phenanthrene	100000	100000	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Phenol	330	100000	600 U	690 U	610 U	14,000 U	6,900 U	10,000 U	11,000 U	43,000 U
Pyrene	100000	100000	430 U	490 U	440 U	10,000 U	4,900 U	7,200 U	7,600 U	31,000 U
Semivolatile Organics by EPA 8270C-SIM										
2-Chloronaphthalene	NS	NS	17 U	98 U	88 U	2,700 U	2,000 U	1,900 U	2,000 U	2,500 U
2-Methylnaphthalene	NS	NS	17 U	98 U	88 U	2,700 U	2,000 U	1,900 U	**11,000**	2,500 U
Acenaphthene	20000	100000	17 U	98 U	88 U	2,700 U	2,000 U	1,900 U	2,000 U	2,500 U
Acenaphthylene	100000	100000	17 U	98 U	88 U	2,700 U	2,000 U	1,900 U	2,000 U	2,500 U
Anthracene	100000	100000	17 U	98 U	88 U	2,700 U	2,000 U	1,900 U	2,000 U	2,500 U
Benzo(a)anthracene	1000	1000	17 U	98 U	88 U	2,700 U	2,000 U	1,900 U	2,000 U	2,500 U
Benzo(a)pyrene	1000	1000	17 U	**210**	88 U	**5,400**	2,000 U	1,900 U	2,000 U	2,500 U
Benzo(b)fluoranthene	1000	1000	17 U	**180**	88 U	**5,000**	2,000 U	1,900 U	2,000 U	2,500 U
Benzo(ghi)perylene	100000	100000	17 U	98 U	88 U	**5,900**	2,000 U	1,900 U	2,000 U	2,500 U
Benzo(k)fluoranthene	800	3900	17 U	**180**	88 U	**4,900**	2,000 U	1,900 U	2,000 U	2,500 U
Chrysene	1000	3900	17 U	98 U	88 U	2,700 U	2,000 U	1,900 U	2,000 U	2,500 U
Dibenzo(a,h)anthracene	3300	330	17 U	98 U	88 U	2,700 U	2,000 U	1,900 U	2,000 U	2,500 U
Fluoranthene	100000	100000	17 U	**220**	88 U	**6,700**	**3,900**	1,900 U	2,000 U	**4,800**
Fluorene	30000	100000	17 U	98 U	88 U	2,700 U	2,000 U	1,900 U	2,000 U	2,500 U
Hexachlorobenzene	NS	NS	68 U	390 U	350 U	11,000 U	7,800 U	7,700 U	8,100 U	9,900 U
Hexachlorobutadiene	NS	NS	43 U	240 U	220 U	6,800 U	4,900 U	4,800 U	5,000 U	6,200 U
Hexachloroethane	NS	NS	68 U	390 U	350 U	11,000 U	7,800 U	7,700 U	8,100 U	9,900 U
Indeno(1,2,3-cd)Pyrene	500	500	17 U	98 U	88 U	2,700 U	2,000 U	1,900 U	2,000 U	2,500 U
Naphthalene	12000	100000	17 U	98 U	88 U	2,700 U	2,000 U	1,900 U	2,000 U	2,500 U
Pentachlorophenol	800	6700	68 U	390 U	350 U	11,000 U	7,800 U	7,700 U	8,100 U	9,900 U
Phenanthrene	100000	100000	17 U	98 U	88 U	2,700 U	2,000 U	1,900 U	**2,000**	2,500 U
Pyrene	100000	100000	17 U	**240**	88 U	**6,500**	**4,100**	1,900 U	2,000 U	**5,000**

Notes:
All concentrations are µg/kg (ppb)
[1]Unrestricted Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Envir
[2]Restricted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SC

Table 7
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Semi-Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted SCO[a]	Restricted Residential SCO[c]	PWG-DW-2008-38	PWG-DW-2008-39	PWG-DW-2008-40	PWG-DW-2008-41	PWG-LP-2008-01	PWG-LP-2008-01
LAB SAMPLE ID			L0813447-11	L0813447-12	L0813447-13	L0813447-14	L0813344-20	10/3/2008
SAMPLING DATE			9/10/2008	9/10/2008	9/10/2008	9/10/2008	9/8/2008	L0814755-01
SAMPLE DEPTH (ft.)			7-7.5	8.5-9	6-6.5	9-9.5	7.75-8.25	9-11
Semivolatile Organics by EPA 8270C								
1,2,4,5-Tetrachlorobenzene	NS	NS	29,000 U	28,000 U	7,300 U	1,700 U	1,600 U	1,800 U
1,2,4-Trichlorobenzene	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
1,2-Dichlorobenzene	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
1,3-Dichlorobenzene	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
1,4-Dichlorobenzene	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
2,4,5-Trichlorophenol	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
2,4,6-Trichlorophenol	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
2,4-Dichlorophenol	NS	NS	15,000 U	14,000 U	3,700 U	840 U	780 U	880 U
2,4-Dimethylphenol	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
2,4-Dinitrophenol	NS	NS	29,000 U	28,000 U	7,300 U	1,700 U	1,600 U	1,800 U
2,4-Dinitrotoluene	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
2,6-Dinitrotoluene	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
2-Chloronaphthalene	NS	NS	8,800 U	8,600 U	2,200 U	510 U	470 U	530 U
2-Chlorophenol	NS	NS	8,800 U	8,600 U	2,200 U	510 U	470 U	530 U
2-Methylnaphthalene	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
2-Methylphenol	NS	NS	8,800 U	8,600 U	2,200 U	510 U	470 U	530 U
2-Nitroaniline	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
2-Nitrophenol	NS	NS	29,000 U	28,000 U	7,300 U	1,700 U	1,600 U	1,800 U
3,3'-Dichlorobenzidine	NS	NS	15,000 U	14,000 U	3,700 U	840 U	780 U	880 U
3-Methylphenol/4-Methylphenol	NS	NS	8,800 U	8,600 U	2,200 U	510 U	470 U	530 U
3-Nitroaniline	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
4,6-Dinitro-o-cresol	NS	NS	29,000 U	28,000 U	7,300 U	1,700 U	1,600 U	1,800 U
4-Bromophenyl phenyl ether	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
4-Chloroaniline	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
4-Chlorophenyl phenyl ether	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
4-Nitroaniline	NS	NS	10,000 U	10,000 U	2,600 U	590 U	550 U	610 U
4-Nitrophenol	NS	NS	15,000 U	14,000 U	3,700 U	840 U	780 U	880 U
Acenaphthene	20000	100000	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Acenaphthylene	100000	100000	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Acetophenone	NS	NS	29,000 U	28,000 U	7,300 U	1,700 U	1,600 U	1,800 U
Anthracene	100000	100000	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Benzo(a)anthracene	1000	1000	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Benzo(a)pyrene	1000	1000	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Benzo(b)fluoranthene	1000	1000	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Benzo(ghi)perylene	100000	100000	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Benzo(k)fluoranthene	800	3900	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Benzoic Acid	NS	NS	74,000 U	71,000 U	18,000 U	4,200 U	3,900 U	4,400 U
Benzyl Alcohol	NS	NS	15,000 U	14,000 U	3,700 U	840 U	780 U	880 U
Biphenyl	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Bis(2-chloroethoxy)methane	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Bis(2-chloroethyl)ether	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Bis(2-chloroisopropyl)ether	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Bis(2-Ethylhexyl)phthalate	NS	NS	15,000 U	**200,000**	3,700 U	840 U	780 U	880 U
Butyl benzyl phthalate	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Carbazole	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Chrysene	1000	3900	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Di-n-butylphthalate	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Di-n-octylphthalate	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Dibenzo(a,h)anthracene	330	330	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Dibenzofuran	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Diethyl phthalate	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Dimethyl phthalate	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Fluoranthene	100000	100000	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Fluorene	30000	100000	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Hexachlorobenzene	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Hexachlorobutadiene	NS	NS	15,000 U	14,000 U	3,700 U	840 U	780 U	880 U
Hexachlorocyclopentadiene	NS	NS	15,000 U	14,000 U	3,700 U	840 U	780 U	880 U
Hexachloroethane	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Indeno(1,2,3-cd)Pyrene	500	500	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Isophorone	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
n-Nitrosodi-n-propylamine	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Naphthalene	12000	100000	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Nitrobenzene	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	22,000 U	21,000 U	5,500 U	1,300 U	1,200 U	1,300 U
P-Chloro-M-Cresol	NS	NS	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Pentachlorophenol	800	6700	29,000 U	28,000 U	7,300 U	1,700 U	1,600 U	1,800 U
Phenanthrene	100000	100000	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Phenol	330	100000	10,000 U	10,000 U	2,600 U	590 U	550 U	610 U
Pyrene	100000	100000	7,400 U	7,100 U	1,800 U	420 U	390 U	440 U
Semivolatile Organics by EPA 8270C-SIM								
2-Chloronaphthalene	NS	NS	2,000 U	1,900 U	1,500 U	84 U	16 U	18 U
2-Methylnaphthalene	NS	NS	**2,400**	1,900 U	1,500 U	84 U	16 U	18 U
Acenaphthene	20000	100000	2,000 U	1,900 U	1,500 U	84 U	16 U	18 U
Acenaphthylene	100000	100000	2,000 U	1,900 U	1,500 U	84 U	**47**	18 U
Anthracene	100000	100000	2,000 U	1,900 U	1,500 U	84 U	**17**	18 U
Benzo(a)anthracene	1000	1000	2,000 U	1,900 U	1,500 U	84 U	**96**	18 U
Benzo(a)pyrene	1000	1000	**4,200**	1,900 U	1,500 U	84 U	**120**	18 U
Benzo(b)fluoranthene	1000	1000	**3,900**	**3,300**	1,500 U	84 U	**110**	18 U
Benzo(ghi)perylene	100000	100000	**4,500**	1,900 U	1,500 U	84 U	**100**	18 U
Benzo(k)fluoranthene	800	3900	**4,000**	**3,300**	1,500 U	84 U	**100**	18 U
Chrysene	1000	3900	**2,000**	1,900 U	1,500 U	84 U	**77**	18 U
Dibenzo(a,h)anthracene	3300	330	2,000 U	1,900 U	1,500 U	84 U	**49**	18 U
Fluoranthene	100000	100000	**5,700**	**4,300**	1,500 U	84 U	**75**	18 U
Fluorene	30000	100000	2,000 U	1,900 U	1,500 U	84 U	16 U	18 U
Hexachlorobenzene	NS	NS	7,800 U	7,600 U	5,900 U	340 U	63 U	70 U
Hexachlorobutadiene	NS	NS	4,900 U	4,800 U	3,700 U	210 U	39 U	44 U
Hexachloroethane	NS	NS	7,800 U	7,600 U	5,900 U	340 U	63 U	70 U
Indeno(1,2,3-cd)Pyrene	500	500	**4,800**	1,900 U	1,500 U	84 U	**91**	18 U
Naphthalene	12000	100000	2,000 U	1,900 U	1,500 U	84 U	16 U	18 U
Pentachlorophenol	800	6700	7,800 U	7,600 U	5,900 U	340 U	63 U	70 U
Phenanthrene	100000	100000	**2,600**	1,900 U	1,500 U	84 U	16 U	18 U
Pyrene	100000	100000	**5,800**	**4,500**	1,500 U	84 U	**75**	18 U

Notes:
All concentrations are µg/kg (ppb)
[a]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Envir
[c]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SC(

Table 8
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Total Metals
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted SCO[1]	Restricted Residential SCO[2]	PWG-DW-2008-01	PWG-DW-2008-02	PWG-DW-2008-03	PWG-DW-2008-04	PWG-DW-2008-05	PWG-DW-2008-06	PWG-DW-2008-07	PWG-DW-2008-09
LAB SAMPLE ID			9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008
SAMPLING DATE			L0813344-04	L0813344-05	L0813344-06	L0813344-07	L0813344-08	L0813344-09	L0813344-10	L0813344-12
SAMPLE DEPTH (ft.)			7.25-7.75	5.25-5.75	8.75-9.25	7.25-7.75	6.75-7.25	6.75-7.25	6.75-7.25	6.75-7.25
Total Metals										
Aluminum	NS	NS	**4,300**	**2,600**	**1,300**	**1,400**	**1,200**	**1,100**	**1,400**	**2,500**
Antimony	NS	NS	2.7 U	2.9 U	2.9 U	3.2 U	2.7 U	2.9 U	3.2 U	3 U
Arsenic	13	16	**3.6**	**0.83**	**0.69**	**0.84**	**1.1**	**0.8**	**0.82**	**0.77**
Barium	350	400	**28**	**9.8**	**5.2**	**9.7**	**17**	**12**	**7.8**	**9.7**
Beryllium	7.2	72	0.27 U	0.29 U	0.29 U	0.32 U	0.27 U	0.29 U	0.32 U	0.3 U
Cadmium	2.5	4.3	**2.5**	0.58 U	0.58 U	0.64 U	0.53 U	0.57 U	0.64 U	0.59 U
Calcium	NS	NS	**6,700**	**24,000**	**560**	**3,600**	**8,900**	**14,000**	**13,000**	**230**
Chromium	30	180	**14**	**2.3**	**2.7**	**3.6**	**2.3**	**2**	**9.2**	**6.3**
Cobalt	NS	NS	**2.6**	**3.3**	1.2 U	1.3 U	1.1 U	1.1 U	1.3 U	1.2 U
Copper	50	270	**54**	**18**	**4.6**	**5.1**	**3.1**	**5.6**	**14**	**4.9**
Iron	NS	NS	**5,300**	**6,700**	**1,800**	**3,000**	**2,400**	**2,000**	**2,400**	**3,600**
Lead	63	400	**470**	**20**	**30**	**35**	**32**	**26**	**60**	**21**
Magnesium	NS	NS	**4,400**	**15,000**	**520**	**2,100**	**5,700**	**8,600**	**8,800**	**460**
Manganese	1600	2000	**37**	**58**	**13**	**20**	**34**	**29**	**26**	**13**
Mercury	0.18	0.81	**0.21**	0.1 U	0.09 U	0.09 U	0.09 U	0.09 U	0.11 U	0.1 U
Nickel	30	310	**11**	**3.6**	**2**	**2.1**	**1.4**	**1.6**	**3.7**	**3**
Potassium	NS	NS	**260**	**220**	140 U	160 U	130 U	140 U	**170**	150 U
Selenium	3.9	180	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.1 U	1.3 U	1.2 U
Silver	2	180	**1.2**	0.58 U	0.58 U	0.64 U	0.53 U	0.57 U	0.64 U	0.59 U
Sodium	NS	NS	110 U	**150**	120 U	130 U	110 U	110 U	130 U	120 U
Thallium	NS	NS	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.1 U	1.3 U	1.2 U
Vanadium	NS	NS	**31**	**24**	**4.1**	**5.6**	**3.2**	**3.1**	**9.3**	**9.9**
Zinc	109	10000	**250**	**120**	**29**	**45**	**21**	**31**	**110**	**78**

Notes:

All concentrations are mg/kg (ppm)

[1]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006

[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006

U - Analyte not detected above the laboratory MDL

J - Estimated value

NS - No standard established

Bold text indicates compounds above the laboratory MDL

Green highlighting indicates exceedance of Unrestricted Use SCO

Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 8
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Total Metals
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted SCO[1]	Restricted Residential SCO[2]	PWG-DW-2008-10		PWG-DW-2008-11		PWG-DW-2008-12		PWG-DW-2008-13		PWG-DW-2008-14		PWG-DW-2008-15		PWG-DW-2008-16		PWG-DW-2008-17	
LAB SAMPLE ID			9/8/2008		9/8/2008		9/8/2008		9/8/2008		9/8/2008		9/8/2008		9/8/2008		9/8/2008	
SAMPLING DATE			L0813344-13		L0813344-14		L0813344-15		L0813344-16		L0813344-17		L0813344-18		L0813344-21		L0813344-22	
SAMPLE DEPTH (ft.)			6.25-6.75		6.75-7.25		7.25-7.75		7.25-7.75		6-6.5		7-7.5		5.5-6		5.5-6	
Total Metals																		
Aluminum	NS	NS	**3,000**		**1,900**		**3,000**		**1,500**		**2,300**		**1,700**	J	**1,600**		**3,700**	
Antimony	NS	NS	3.3	U	2.9	U	3	U	2.8	U	3.5	U	2.8	J	2.7	U	2.8	U
Arsenic	13	16	**1.3**		**1.6**		**1.2**		**1.1**		**0.95**		**1.3**	J	**1.5**		**3.2**	
Barium	350	400	**18**		**15**		**48**		**16**		**13**		**16**	J	**20**		**32**	
Beryllium	7.2	72	0.33	U	0.29	U	0.3	U	0.28	U	0.35	U	0.28	U	0.27	U	0.28	U
Cadmium	2.5	4.3	**1**		0.58	U	0.59	U	0.57	U	0.7	U	0.57	U	0.54	U	0.56	U
Calcium	NS	NS	**53,000**		**14,000**		**17,000**		**7,000**		**10,000**		**6,600**	J	**33,000**		**8,200**	
Chromium	30	180	**7.3**		**6.5**		**5.7**		**2.5**		**6.4**		**5.2**		**3.1**		**12**	
Cobalt	NS	NS	**1.5**		**1.2**		**1.5**		1.1	U	**2.8**		1.1	U	**1.4**		**2.1**	
Copper	50	270	**25**		**14**		**6**		**3.1**		**22**		**4.7**	J	**5.8**		**20**	
Iron	NS	NS	**5,000**		**2,700**		**4,600**		**2,400**		**6,200**		**4,600**	J	**3,200**		**7,700**	
Lead	63	400	**82**		**70**		**42**		**26**		**65**		**36**	J	**51**		**160**	
Magnesium	NS	NS	**32,000**		**8,500**		**12,000**		**3,900**		**6,300**		**2,900**	J	**19,000**		**5,400**	
Manganese	1600	2000	**87**		**29**		**47**		**31**		**43**		**47**		**53**		**58**	
Mercury	0.18	0.81	**0.42**		**0.31**		0.1	U	0.09	U	**0.13**		0.09	UJ	0.08	U	**0.17**	
Nickel	30	310	**5.9**		**3.8**		**2.6**		**1.4**		**4.7**		**2**	J	**2.8**		**6**	
Potassium	NS	NS	**210**		**160**		**620**		140	U	180	U	140	U	**220**		**240**	
Selenium	3.9	180	1.3	U	1.2	U	1.2	U	1.1	U	1.4	U	1.1	U	1.1	U	1.1	U
Silver	2	180	0.65	U	0.58	U	0.59	U	0.57	U	0.7	U	0.57	U	0.54	U	0.56	U
Sodium	NS	NS	130	U	120	U	120	U	110	U	**170**		110	U	110	U	110	U
Thallium	NS	NS	1.3	U	1.2	U	1.2	U	1.1	U	1.4	U	1.1	UJ	1.1	U	1.1	U
Vanadium	NS	NS	**12**		**8.9**		**8.6**		**3.8**		**21**		**5.9**	J	**4.8**		**14**	
Zinc	109	10000	**170**		**69**		**42**		**24**		**100**		**35**	J	**47**		**140**	

Notes:

All concentrations are mg/kg (ppm)

[1]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Pa

[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYC

U - Analyte not detected above the laboratory MDL

J - Estimated value

NS - No standard established

Bold text indicates compounds above the laboratory MDL

Green highlighting indicates exceedance of Unrestricted U

Yellow highlighting indicates exceedance of Restricted Re

Table 8
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Total Metals
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted SCO[1]	Restricted Residential SCO[2]	PWG-DW-2008-18	PWG-DW-2008-19	PWG-DW-2008-20	PWG-DW-2008-22	PWG-DW-2008-23	PWG-DW-2008-24	PWG-DW-2008-25	PWG-DW-2008-26
LAB SAMPLE ID			9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008	9/8/2008
SAMPLING DATE			L0813344-23	L0813344-24	L0813344-25	L0813344-26	L0813344-27	L0813344-28	L0813344-29	L0813344-30
SAMPLE DEPTH (ft.)			4-4.5	4.5-5	4.5-5	5.25-5.75	3-3.5	6-6.5	5.75-6.25	4.25-4.75
Total Metals										
Aluminum	NS	NS	**1,500**	**2,500**	**4,500**	**2,200**	**1,400**	**2,800**	**16,000**	**1,100**
Antimony	NS	NS	3 U	2.8 U	3.4 U	2.6 U	3 U	3.1 U	3 U	2.9 U
Arsenic	13	16	**0.76**	**1.6**	**1.6**	**7.2**	**1**	**1.4**	**3**	0.58 U
Barium	350	400	**7.9**	**24**	**46**	**6.9**	**10**	**6.2**	**43**	**7.3**
Beryllium	7.2	72	0.3 U	0.28 U	0.34 U	**0.34**	0.3 U	0.31 U	0.3 U	0.29 U
Cadmium	2.5	4.3	0.6 U	0.56 U	**3.3**	0.53 U	0.61 U	0.61 U	0.6 U	0.58 U
Calcium	NS	NS	**31,000**	**7,200**	**10,000**	**11,000**	**13,000**	**3,400**	**3,900**	**6,400**
Chromium	30	180	**7.8**	**6.8**	**22**	**26**	**10**	**7.2**	**20**	**4.7**
Cobalt	NS	NS	**2.3**	**1.4**	**4.6**	**1.7**	**2**	1.2 U	**4.4**	**1.6**
Copper	50	270	**42**	**12**	**73**	**6.1**	**170**	**13**	**14**	**11**
Iron	NS	NS	**6,000**	**5,000**	**10,000**	**15,000**	**7,600**	**4,400**	**24,000**	**3,600**
Lead	63	400	**44**	**120**	**960**	**12**	**67**	**37**	**13**	**14**
Magnesium	NS	NS	**18,000**	**4,000**	**6,700**	**7,200**	**8,300**	**2,300**	**5,200**	**4,000**
Manganese	1600	2000	**64**	**38**	**89**	**34**	**58**	**15**	**130**	**34**
Mercury	0.18	0.81	0.1 U	0.09 U	**1.1**	0.09 U	**0.13**	**0.29**	0.1 U	0.1 U
Nickel	30	310	**5.4**	**3.5**	**17**	**3.8**	**13**	**4**	**12**	**2.3**
Potassium	NS	NS	150 U	**180**	**320**	**130**	**180**	150 U	**1300**	150 U
Selenium	3.9	180	1.2 U	1.1 U	1.3 U	1 U	1.2 U	1.2 U	1.2 U	1.2 U
Silver	2	180	0.6 U	0.56 U	0.67 U	0.53 U	0.61 U	0.61 U	0.6 U	0.58 U
Sodium	NS	NS	120 U	110 U	**300**	100 U	120 U	120 U	120 U	120 U
Thallium	NS	NS	1.2 U	1.1 U	1.3 U	2.1 U	1.2 U	1.2 U	2.4 U	1.2 U
Vanadium	NS	NS	**19**	**8.4**	**43**	**14**	**12**	**10**	**31**	**17**
Zinc	109	10000	**50**	**110**	**340**	**24**	**180**	**54**	**37**	**54**

Notes:

All concentrations are mg/kg (ppm)

[1]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Pa

[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYC

U - Analyte not detected above the laboratory MDL

J - Estimated value

NS - No standard established

Bold text indicates compounds above the laboratory MDL

Green highlighting indicates exceedance of Unrestricted U

Yellow highlighting indicates exceedance of Restricted Re

Table 8
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Total Metals
Former Darby Drugs Distribution Center

SAMPLE ID	Unrestricted SCO[1]	Restricted Residential SCO[2]	PWG-DW-2008-27		PWG-DW-2008-28		PWG-DW-2008-29		PWG-DW-2008-30		PWG-DW-2008-31		PWG-DW-2008-33		PWG-DW-2008-34		PWG-DW-2008-37	
LAB SAMPLE ID			L0813447-02		L0813447-03		L0813447-04		L0813447-05		L0813447-06		L0813447-07		L0813447-08		L0813447-09	
SAMPLING DATE			9/10/2008		9/10/2008		9/10/2008		9/10/2008		9/10/2008		9/10/2008		9/10/2008		9/10/2008	
SAMPLE DEPTH (ft.)			12.5-13		12-12.5		10-10.5		8.5-9		8-8.5		7-7.5		5.5-6		11-11.5	
Total Metals																		
Aluminum	NS	NS	**15,000**		**12,000**		**2,100**		**7,000**		**5,400**		**2,300**		**4,200**		**9,600**	
Antimony	NS	NS	3.2	U	3.4	U	3	U	5	U	3.6	U	3.6	U	3.7	UJ	4.2	U
Arsenic	13	16	**0.9**		**2.1**		0.61	U	**1.1**		**1.3**		**0.92**		**1.3**		**4.2**	
Barium	350	400	**37**		**41**		**9.3**		**74**		**35**		**21**		**41**		**58**	
Beryllium	7.2	72	**0.36**		**0.45**		0.3	U	0.5	U	0.36	U	0.36	U	0.37	U	0.42	U
Cadmium	2.5	4.3	**0.63**		**2.2**		0.61	U	**4**		**1.2**		**0.84**		**1.8**		**6.3**	
Calcium	NS	NS	**520**		**760**		**130**		**20,000**		**4,700**		**12,000**		**14,000**		**3,100**	
Chromium	30	180	**15**		**14**		**3.2**		**120**		**29**		**30**		**39**	J	**91**	
Cobalt	NS	NS	**4**		**5.7**		1.2	U	**6.2**		**2.6**		**1.8**		**3**		**5.5**	
Copper	50	270	**13**		**30**		**6.9**		**96**		**24**		**24**		**35**	J	**240**	
Iron	NS	NS	**16,000**		**11,000**		**2,500**		**10,000**		**7,400**		**3,700**		**7,900**		**11,000**	
Lead	63	400	**10**		**160**		**36**		**970**		**520**		**210**		**300**	J	**890**	
Magnesium	NS	NS	**3,200**		**1,200**		**340**		**9,900**		**3,200**		**7,300**		**8,300**		**2,200**	
Manganese	1600	2000	**120**		**66**		**15**		**110**		**54**		**36**		**54**	J	**64**	
Mercury	0.18	0.81	0.1	U	0.12	U	0.1	U	**0.85**		**0.59**		**0.27**		**4.1**		**1.6**	
Nickel	30	310	**14**		**15**		**3.4**		**34**		**14**		**9.7**		**14**		**42**	
Potassium	NS	NS	**1100**		**480**		**160**		**540**		**340**		**200**		**300**		**650**	
Selenium	3.9	180	1.3	U	1.4	U	1.2	U	2	U	1.4	U	1.4	U	1.5	U	**2.5**	
Silver	2	180	0.63	U	0.68	U	0.61	U	**1.3**		0.72	U	0.72	U	**4.4**		**2.9**	
Sodium	NS	NS	130	U	140	U	120	U	**3200**		140	U	140	U	150	U	170	U
Thallium	NS	NS	1.3	U	1.4	U	1.2	U	2	U	1.4	U	1.4	U	1.5	U	1.7	U
Vanadium	NS	NS	**27**		**30**		**5.3**		**58**		**33**		**22**		**26**		**70**	
Zinc	109	10000	**61**		**210**		**64**		**480**		**240**		**170**		**270**		**730**	

Notes:

All concentrations are mg/kg (ppm)

[1]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Pa

[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYC

U - Analyte not detected above the laboratory MDL

J - Estimated value

NS - No standard established

Bold text indicates compounds above the laboratory MDL

Green highlighting indicates exceedance of Unrestricted U

Yellow highlighting indicates exceedance of Restricted Re

Table 8
Leaching Structure Soil/Sediment Sample Analytical Data Summary
Total Metals
Former Darby Drugs Distribution Center

SAMPLE ID LAB SAMPLE ID SAMPLING DATE SAMPLE DEPTH (ft.)	Unrestricted SCO[1]	Restricted Residential SCO[2]	PWG-DW-2008-38 L0813447-11 9/10/2008 7-7.5		PWG-DW-2008-39 L0813447-12 9/10/2008 8.5-9		PWG-DW-2008-40 L0813447-13 9/10/2008 6-6.5		PWG-DW-2008-41 L0813447-14 9/10/2008 9-9.5		PWG-LP-2008-01 9/8/2008 L0813344-20 7.75-8.25		PWG-LP-2008-01 10/3/2008 L0814755-01 9-11	
Total Metals														
Aluminum	NS	NS	**2,600**		**2,900**		**2,400**		**820**		**1,500**		**1,500**	
Antimony	NS	NS	3.5	U	3.3	U	2.5	U	3.1	U	2.8	U	3.2	U
Arsenic	13	16	**1**		**0.91**		**0.51**		0.62	U	**1.1**		0.64	U
Barium	350	400	**24**		**24**		**15**		**1.8**		**12**		**9.6**	
Beryllium	7.2	72	0.35	U	0.33	U	0.25	U	0.31	U	0.28	U	0.32	U
Cadmium	2.5	4.3	**0.77**		**1.4**		**0.82**		0.62	U	0.56	U	0.64	U
Calcium	NS	NS	**28,000**		**16,000**		**16,000**		**170**		**710**		**440**	
Chromium	30	180	**25**		**30**		**13**		**4**		**5.6**		**6.9**	
Cobalt	NS	NS	**2.3**		**2.3**		**2**		1.2	U	**2**		1.3	U
Copper	50	270	**33**		**39**		**12**		**3.6**		**160**		**36**	
Iron	NS	NS	**5,900**		**4,600**		**5,300**		**1,300**		**10,000**		**6,600**	
Lead	63	400	**120**		**170**		**90**		**5**		**59**		**23**	
Magnesium	NS	NS	**18,000**		**10,000**		**10,000**		**120**		**700**		**410**	
Manganese	1600	2000	**77**		**49**		**85**		**3.4**		**66**		**33**	
Mercury	0.18	0.81	**0.37**		**0.45**		**1**		**0.17**		**0.1**		0.1	U
Nickel	30	310	**9.2**		**11**		**7.8**		**1.5**		**5.4**		**3**	
Potassium	NS	NS	**330**		**340**		**260**		150	U	140	U	160	U
Selenium	3.9	180	1.4	U	1.3	U	1	U	1.2	U	1.1	U	1.3	U
Silver	2	180	**0.98**		**0.7**		**0.76**		0.62	U	0.56	U	0.64	U
Sodium	NS	NS	140	U	130	U	100	U	120	U	110	U	130	U
Thallium	NS	NS	1.4	U	1.3	U	1	U	1.2	U	1.1	U	1.3	U
Vanadium	NS	NS	**25**		**26**		**13**		**2.1**		**3.8**		**6**	
Zinc	109	10000	**270**		**390**		**160**		**18**		**360**		**120**	

Notes:

All concentrations are mg/kg (ppm)

[1]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Pa

[2]Restricted-Residential Soil Cleanup Objectives (SCO) 6 NYC

U - Analyte not detected above the laboratory MDL

J - Estimated value

NS - No standard established

Bold text indicates compounds above the laboratory MDL

Green highlighting indicates exceedance of Unrestricted U

Yellow highlighting indicates exceedance of Restricted Res

Table 9
Historical Storm Drain Soil/Sediment Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID LAB SAMPLE ID SAMPLING DATE SAMPLE DEPTH (ft.)	Unrestricted SCO[1]	Restricted Residential SCO[2]	SD-1 240847.01 3/3/2004	SD-2 240847.02 3/3/2004	SD-3 240847.03 3/3/2004	SD-4 240847.04 3/3/2004	SD-5 240847.05 3/3/2004	SD-6 240847.06 3/3/2004	SD-7 240847.07 3/3/2004
Volatile Organics by EPA 8260B									
Tetrachloroethene	1,300	19,000	**20**	7.2 U	**1,100**	6.8 U	6.8 U	6.7 U	6.9 U
Trichloroethene	470	21,000	**24**	7.2 U	**36**	6.8 U	6.8 U	6.7 U	6.9 U
cis-1,2-Dichloroethene	250	100,000	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
trans-1,2-Dichloroethene	190	100,000	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,1-Dichloroethene	330	100,000	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
Vinyl chloride	20	900	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,1,1-Trichloroethane	680	100,000	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,1,2,2-Tetrachloroethane	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,1,2-Trichloroethane	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,1-Dichloroethane	270	26,000	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,1-Dichloropropene	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,2,3-Trichlorobenzene	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,2,3-Trichloropropane	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,2,4-Trichlorobenzene	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,2,4-Trimethylbenzene	3,600	52,000	7.6 U	7.2 U	**22**	**840**	6.8 U	6.7 U	6.9 U
1,2-Dibromo-3-chloropropane	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,2-Dibromoethane	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,2-Dichlorobenzene	1,100	100,000	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,2-Dichloroethane	20	3,100	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,2-Dichloropropane	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,3,5-Trimethylbenzene	8,400	52,000	7.6 U	7.2 U	**8.7**	**1,200**	6.8 U	6.7 U	6.9 U
1,3-Dichlorobenzene	2,400	49,000	7.6 U	7.2 U	**48**	6.8 U	6.8 U	6.7 U	6.9 U
1,3-Dichloropropane	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
1,4-Dichlorobenzene	1,800	13,000	7.6 U	7.2 U	**120**	**48**	6.8 U	6.7 U	6.9 U
2,2-Dichloropropane	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
Acetone	50	100,000	**110**	72 U	72 U	68 U	68 U	67 U	69 U
Benzene	60	4,800	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
Bromobenzene	NS	NS	7.6 U	7.2 U	7.2 U	**25**	6.8 U	6.7 U	6.9 U
Bromodichloromethane	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
Bromoform	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
Carbon tetrachloride	760	2,400	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
Chlorobenzene	1,100	100,000	7.6 U	7.2 U	7.2 U	**55**	6.8 U	6.7 U	6.9 U
Chloroform	370	49,000	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
cis-1,3-Dichloropropene	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
Dibromochloromethane	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
Dibromomethane	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
Ethylbenzene	1,000	41,000	7.6 U	7.2 U	**23**	**370**	6.8 U	6.7 U	6.9 U
Hexachlorobutadiene	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
Isopropylbenzene	NS	NS	7.6 U	7.2 U	7.2 U	**300**	6.8 U	6.7 U	6.9 U
Methylene chloride	50	100,000	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
Naphthalene	NS	NS	7.6 U	7.2 U	7.2 U	**89**	6.8 U	6.7 U	6.9 U
n-Propylbenzene	3,900	100,000	7.6 U	7.2 U	**10**	**750**	6.8 U	6.7 U	6.9 U
o-Xylene	260	100,000	**11**	7.2 U	**13**	**110**	6.8 U	6.7 U	6.9 U
p/m-Xylene	260	100,000	7.6 U	14 U	**36**	**160**	14 U	13 U	14 U
p-Chlorotoluene	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
p-Isopropyltoluene	NS	NS	**14**	7.2 U	**140**	**440**	6.8 U	6.7 U	**6.9**
sec-Butylbenzene	11,000	100,000	7.6 U	7.2 U	7.2 U	**480**	6.8 U	6.7 U	6.9 U
Styrene	NS	NS	7.6 U	7.2 U	7.2 U	**63**	6.8 U	6.7 U	6.9 U
tert-Butylbenzene	5,900	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
Toluene	700	100,000	7.6 U	7.2 U	7.2 U	**160**	**20**	6.7 U	**13**
trans-1,3-Dichloropropene	NS	100,000	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U
Trichlorofluoromethane	NS	NS	7.6 U	7.2 U	7.2 U	6.8 U	6.8 U	6.7 U	6.9 U

Notes:
All concentrations are µg/kg (ppb)
[1]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 200
[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 200
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 10
Historical Storm Drain Soil/Sediment Sample Analytical Data Summary
Semi-Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID LAB SAMPLE ID SAMPLING DATE SAMPLE DEPTH (ft.)	Unrestricted SCO[1]	Restricted Residential SCO[2]	SD-1 240847.01 3/3/2004	SD-2 240847.02 3/3/2004	SD-3 240847.03 3/3/2004	SD-4 240847.04 3/3/2004	SD-5 240847.05 3/3/2004	SD-6 240847.06 3/3/2004	SD-7 240847.07 3/3/2004
Semivolatile Organics by EPA 8270C									
1,2,4-Trichlorobenzene	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
1,2-Dichlorobenzene	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
1,3-Dichlorobenzene	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
1,4-Dichlorobenzene	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
2,4-Dinitrotoluene	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
2,6-Dinitrotoluene	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
2-Chloronaphthalene	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
2-Methylnaphthalene	NS	NS	450 U	43 U	430 U	**520**	41 U	40 U	420 U
3,3'-Dichlorobenzidine	NS	NS	4,500 U	430 U	4,300 U	4,100 U	410 U	400 U	420 U
4-Bromophenyl phenyl ether	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
4-Chlorophenyl phenyl ether	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
Acenaphthene	20,000	100,000	450 U	43 U	430 U	410 U	41 U	40 U	420 U
Acenaphthylene	100,000	100,000	450 U	43 U	430 U	410 U	41 U	40 U	420 U
Anthracene	100,000	100,000	450 U	43 U	430 U	410 U	**88**	40 U	420 U
Benzo(a)anthracene	1,000	1,000	450 U	43 U	430 U	**520**	**240**	**75**	420 U
Benzo(a)pyrene	1,000	1,000	450 U	43 U	430 U	410 U	**120**	40 U	420 U
Benzo(b)fluoranthene	1,000	1,000	450 U	43 U	430 U	410 U	**150**	40 U	420 U
Benzo(ghi)perylene	100,000	100,000	450 U	43 U	430 U	**560**	**110**	40 U	420 U
Benzo(k)fluoranthene	800	3,900	450 U	43 U	430 U	410 U	**150**	40 U	420 U
Bis(2-chloroethyl)ether	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
Bis(2-chloroisopropyl)ether	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
Bis(2-Ethylhexyl)phthalate	NS	NS	**6,500**	**220**	**16,000**	**22,000**	**2,600**	**760**	**1,100**
Butyl benzyl phthalate	NS	NS	**7,700**	43 U	**860**	**4,000**	**200**	**240**	420 U
Carbazole	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
Chrysene	1,000	3,900	450 U	43 U	430 U	**730**	**280**	**72**	**490**
Di-n-butylphthalate	NS	NS	450 U	43 U	430 U	**2,100**	41 U	40 U	420 U
Di-n-octylphthalate	NS	NS	450 U	43 U	430 U	**1,600**	41 U	40 U	**780**
Dibenzo(a,h)anthracene	330	330	450 U	43 U	430 U	410 U	**47**	40 U	420 U
Dibenzofuran	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
Diethyl phthalate	NS	NS	**27,000**	43 U	430 U	**1,800**	**42**	40 U	420 U
Dimethyl phthalate	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
Fluoranthene	100,000	100,000	450 U	43 U	**480**	**970**	**340**	**68**	420 U
Fluorene	30,000	100,000	450 U	43 U	430 U	**440**	**43**	40 U	420 U
Hexachlorobenzene	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
Hexachlorobutadiene	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
Hexachlorocyclopentadiene	NS	NS	4,500 U	430 U	4,300 U	4,100 U	410 U	400 U	420 U
Hexachloroethane	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
Indeno(1,2,3-cd)Pyrene	500	500	450 U	43 U	430 U	**480**	**120**	40 U	420 U
Isophorone	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
Naphthalene	12,000	100,000	450 U	43 U	430 U	410 U	41 U	40 U	420 U
Nitrobenzene	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	450 U	43 U	430 U	410 U	41 U	40 U	420 U
Phenanthrene	100,000	100,000	450 U	43 U	**510**	**2,100**	**360**	**67**	**67**
Pyrene	100,000	100,000	450 U	43 U	**1,000**	**3,400**	41 U	**250**	420 U

Notes:
All concentrations are µg/kg (ppb)
[1]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 11
Storm Drain Soil/Sediment Sample Analytical Data Summary
Metals
Former Darby Drugs Distribution Center

SAMPLE ID LAB SAMPLE ID SAMPLING DATE SAMPLE DEPTH (ft.)	Unrestricted SCO[1]	Restricted Residential SCO[2]	SD-1 240847.01 3/3/2004	SD-2 240847.02 3/3/2004	SD-3 240847.03 3/3/2004	SD-4 240847.04 3/3/2004	SD-5 240847.05 3/3/2004	SD-6 240847.06 3/3/2004	SD-7 240847.07 3/3/2004
Total Metals									
Arsenic	13	16	0.76 U	**1.2**	**1.1**	**1.9**	0.68 U	0.67 U	**1.1**
Barium	350	400	**58**	**14**	**48**	**19**	**49**	**23**	**13**
Chromium	30	180	**94**	**6.5**	**42**	**44**	**31**	**19**	**35**
Cadmium	2.5	4.3	**2.9**	0.72 U	**6.4**	**2.2**	0.68 U	**0.75**	**1.4**
Lead	63	400	**360**	**38**	**720**	**180**	**130**	**89**	**330**
Mercury	0.18	0.81	**0.23**	**0.017**	**0.19**	**2.9**	**0.051**	**1.5**	**0.04**
Selenium	3.9	180	**3.3**	0.58 U	**1.2**	0.55 U	0.54 U	0.53 U	0.56 U
Silver	2	180	0.76 U	0.72 U	**0.87**	**4.4**	0.68 U	0.67 U	**0.82**

Notes:
All concentrations are mg/kg (ppm)
[1]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 12
Groundwater Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drug Distribution Center

SAMPLE ID	AWQS[1]	PWG-GW-2008-01		PWG-GW-2008-02		PWG-GW-2008-03		PWG-GW-2008-04		PWG-GW-2008-05		PWG-GW-2008-06		PWG-GW-2008-07		PWG-GW-2008-08	
LAB SAMPLE ID		L0813196-22		L0813196-09		L0813196-04		L0813196-11		L0813196-02		L0813196-14		L0813196-19		L0813196-06	
SAMPLING DATE		9/4/2008		9/3/2008		9/3/2008		9/3/2008		9/3/2008		9/3/2008		9/4/2008		9/3/2008	
SAMPLE DEPTH (ft.)																	
Volatile Organics by EPA 8260B																	
Tetrachloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	5	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,1,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
1,1-Dichloroethane	5	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2,4,5-Tetramethylbenzene	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	1	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Diethylbenzene	NS	2	U	2	U	2	U	2	UJ	2	U	2	U	2	U	2	U
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	50*	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50*	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Ethyltoluene	NS	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Methyl-2-pentanone	NS	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50*	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acrylonitrile	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50*	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	NS	5	U	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
Chloromethane	5	2.5	U	2.5	U	2.5	U	2.5	UJ	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	50*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U
Ethylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	0.5	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Isopropylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U
Methyl tert butyl ether	10	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methylene chloride	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Naphthalene	10*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Propylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
p/m-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
p-Isopropyltoluene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
sec-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Toluene	5	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl acetate	NS	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U

Notes:
All units are µg/L (ppb)
[1]Class GA Ambient Water Quality Standard (AWQS), NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June
* Guidance Value
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Yellow highlighting indicates exceedance of Ambient Water Quality Standard
Green highlighting indicates exceedence of Ambient Water Quality Guidance Value

Table 12
Groundwater Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drug Distribution Center

SAMPLE ID	AWQS*	PWG-GW-2008-13	PWG-GW-2008-14	PWG-GW-2008-15	MW-1	MW-2	MW-4	MW-5	MW-6
LAB SAMPLE ID		L0813196-26	L0813196-29	L0813196-23	10/3/2008	10/3/2008	10/3/2008	10/6/2008	10/6/2008
SAMPLING DATE		9/4/2008	9/5/2008	9/4/2008	L0814755-02	L0814755-03	L0814755-04	L0814755-05	L0814755-06
SAMPLE DEPTH (ft.)									
Volatile Organics by EPA 8260B									
Tetrachloroethene	5	**1,800**	**240**	**73**	0.5 U	0.5 U	0.5 U	0.5 U	**200**
Trichloroethene	5	**11**	**4.6**	**2.2**	0.5 U	0.5 U	0.5 U	0.5 U	**54**
cis-1,2-Dichloroethene	5	**11**	**13**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**920**
trans-1,2-Dichloroethene	5	15 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	**22**
1,1-Dichloroethene	5	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
Vinyl chloride	2	20 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U
1,1,1,2-Tetrachloroethane	5	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
1,1,1-Trichloroethane	5	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
1,1,2,2-Tetrachloroethane	5	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
1,1,2-Trichloroethane	1	15 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	15 U
1,1-Dichloroethane	5	15 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	15 U
1,1-Dichloropropene	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
1,2,3-Trichlorobenzene	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
1,2,3-Trichloropropane	0.04	100 U	5 U	5 U	5 U	5 U	5 U	5 U	100 U
1,2,4,5-Tetramethylbenzene	5	40 U	2 U	2 U	2 U	2 U	2 U	2 U	40 U
1,2,4-Trichlorobenzene	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
1,2,4-Trimethylbenzene	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
1,2-Dibromo-3-chloropropane	0.04	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
1,2-Dibromoethane	0.0006	40 U	2 U	2 U	2 U	2 U	2 U	2 U	40 U
1,2-Dichlorobenzene	3	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
1,2-Dichloroethane	0.6	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
1,2-Dichloropropane	1	35 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	35 U
1,3,5-Trimethylbenzene	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
1,3-Dichlorobenzene	3	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
1,3-Dichloropropane	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
1,4-Dichlorobenzene	3	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
1,4-Diethylbenzene	NS	40 U	2 U	2 U	2 U	2 U	2 U	2 U	40 U
2,2-Dichloropropane	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
2-Butanone	50*	100 U	5 U	5 U	5 U	5 U	5 U	5 U	100 U
2-Hexanone	50*	100 U	5 U	5 U	5 U	5 U	5 U	5 U	100 U
4-Ethyltoluene	NS	40 U	2 U	2 U	2 U	2 U	2 U	2 U	40 U
4-Methyl-2-pentanone	NS	100 U	5 U	5 U	5 U	5 U	5 U	5 U	100 U
Acetone	50*	100 U	5 U	5 U	5 U	5 U	5 U	5 U	100 U
Acrylonitrile	5	100 U	5 U	5 U	5 U	5 U	5 U	5 U	100 U
Benzene	1	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
Bromobenzene	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
Bromochloromethane	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
Bromodichloromethane	50*	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
Bromoform	50*	40 U	2 U	2 U	2 U	2 U	2 U	2 U	40 U
Bromomethane	5	20 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U
Carbon disulfide	NS	100 U	5 U	5 U	5 U	5 U	5 U	5 U	100 U
Carbon tetrachloride	5	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
Chlorobenzene	5	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
Chloroethane	5	20 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U
Chloroform	7	15 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	15 U
Chloromethane	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
cis-1,3-Dichloropropene	0.4	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
Dibromochloromethane	50*	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
Dibromomethane	5	100 U	5 U	5 U	5 U	5 U	5 U	5 U	100 U
Dichlorodifluoromethane	5	100 U	5 U	5 U	5 U	5 U	5 U	5 U	100 U
Ethylbenzene	5	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
Hexachlorobutadiene	0.5	12 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	12 U
Isopropylbenzene	5	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
Methyl tert butyl ether	10	20 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U
Methylene chloride	5	100 U	5 U	5 U	5 U	5 U	5 U	5 U	100 U
Naphthalene	10*	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
n-Butylbenzene	5	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
n-Propylbenzene	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
o-Chlorotoluene	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
o-Xylene	5	20 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U
p/m-Xylene	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
p-Chlorotoluene	5	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
p-Isopropyltoluene	5	20 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U
sec-Butylbenzene	5	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
Styrene	5	20 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U
tert-Butylbenzene	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
Toluene	5	15 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	15 U
trans-1,3-Dichloropropene	0.4	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U
Trichlorofluoromethane	5	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U
Vinyl acetate	NS	100 U	5 U	5 U	5 U	5 U	5 U	5 U	100 U

Notes:
All units are µg/L (ppb)
*Class GA Ambient Water Quality Standard (AWQS), NY 1998
* Guidance Value
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory M
Yellow highlighting indicates exceedance of Ambient W
Green highlighting indicates exceedence of Ambient W

Table 12
Groundwater Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drug Distribution Center

SAMPLE ID	AWQS*	DIFFW-01	DIFFW-02	DIFFW-03	DIFFW-04	SW-01	SW-02	SW-03	MW-7
LAB SAMPLE ID		10/6/2008	10/6/2008	10/6/2008	L0814991-05	L0814991-02	L0814991-03	L0814991-04	L0911697-04
SAMPLING DATE		L0814755-07	L0814755-08	L0814755-09	10/8/2008	10/7/2008	10/8/2008	10/8/2008	8/20/2009
SAMPLE DEPTH (ft.)									
Volatile Organics by EPA 8260B									
Tetrachloroethene	5	**1.3**	0.5 U	0.5 U	**1,400**	0.5 U	**3.4**	**1.2**	0.5 U
Trichloroethene	5	**2.3**	0.5 U	**0.53**	**300**	0.5 U	**1**	**1.1**	0.5 U
cis-1,2-Dichloroethene	5	**32**	**7.7**	**21**	**1,800**	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	0.75 U	0.75 U	0.75 U	38 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	2	1 UJ	1 U	1 U	50 U	1 U	1 U	1 U	1 U
1,1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.75 U	0.75 U	0.75 U	38 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane	5	0.75 U	0.75 U	0.75 U	38 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	5 U	5 U	5 U	250 U	5 U	5 U	5 U	5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	100 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	100 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.8 U	1.8 U	1.8 U	88 U	1.8 U	1.8 U	1.8 U	1.8 U
1,3,5-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	2 U	2 U	2 U	100 U	2 U	2 U	2 U	2 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50*	5 U	5 U	5 U	250 UJ	5 U	5 U	5 U	5 U
2-Hexanone	50*	5 U	5 U	5 U	250 U	5 U	5 U	5 U	5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	100 U	2 U	2 U	2 U	2 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	250 U	5 U	5 U	5 U	5 U
Acetone	50*	5 U	5 U	5 U	250 UJ	5 U	5 U	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 U	250 U	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50*	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50*	2 U	2 U	2 U	100 U	2 U	2 U	2 U	2 U
Bromomethane	5	1 UJ	1 U	1 U	50 U	1 U	1 U	1 U	1 U
Carbon disulfide	NS	5 U	5 U	5 U	250 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	50 U	1 U	1 U	1 U	1 U
Chloroform	7	0.75 U	0.75 U	0.75 U	38 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane	5	2.5 UJ	2.5 U	2.5 U	120 UJ	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50*	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	250 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 UJ	5 U	5 U	250 UJ	5 U	5 U	5 U	5 U
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	0.6 U	0.6 U	0.6 U	30 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene	5	0.5 UJ	0.5 U	0.5 U	25 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether	10	**7.8**	1 U	1 U	50 U	**1.1**	1 U	1 U	1 U
Methylene chloride	5	5 U	5 U	5 U	250 U	5 U	5 U	5 U	5 U
Naphthalene	10*	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	2.5 U
n-Butylbenzene	5	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	5	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	0.5 U
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	1 U	1 U	1 U	50 U	1 U	1 U	1 U	1 U
p/m-Xylene	5	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	1 U
p-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	2.5 U
p-Isopropyltoluene	5	1 U	1 U	1 U	50 U	1 U	1 U	1 U	0.5 U
sec-Butylbenzene	5	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	5	1 U	1 U	1 U	50 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
Toluene	5	0.75 U	0.75 U	**1.1**	38 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	120 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 U	5 U	5 U	250 U	5 U	5 U	5 U	5 U

Notes:
All units are µg/L (ppb)
*Class GA Ambient Water Quality Standard (AWQS), NY
* Guidance Value
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory M
Yellow highlighting indicates exceedance of Ambient W
Green highlighting indicates exceedence of Ambient W

Table 12
Groundwater Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drug Distribution Center

SAMPLE ID LAB SAMPLE ID SAMPLING DATE SAMPLE DEPTH (ft.)	AWQS[1]	MW-8 L0911697-02 8/20/2009		MW-9 L0911697-01 8/20/2009	
Volatile Organics by EPA 8260B					
Tetrachloroethene	5	0.5	U	0.5	U
Trichloroethene	5	0.5	U	0.5	U
cis-1,2-Dichloroethene	5	0.5	U	0.5	U
trans-1,2-Dichloroethene	5	0.75	U	0.75	U
1,1-Dichloroethene	5	0.5	U	0.5	U
Vinyl chloride	2	1	U	1	U
1,1,1,2-Tetrachloroethane	5	0.5	U	0.5	U
1,1,1-Trichloroethane	5	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U
1,1,2-Trichloroethane	1	0.75	U	0.75	U
1,1-Dichloroethane	5	0.75	U	0.75	U
1,1-Dichloropropene	5	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	5	U	5	U
1,2,4,5-Tetramethylbenzene	5	2	U	2	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U
1,2-Dichloropropane	1	1.8	U	1.8	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U
1,3-Dichloropropane	5	2.5	U	2.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U
1,4-Diethylbenzene	NS	2	U	2	U
2,2-Dichloropropane	5	2.5	U	2.5	U
2-Butanone	50*	5	U	5	U
2-Hexanone	50*	5	U	5	U
4-Ethyltoluene	NS	2	U	2	U
4-Methyl-2-pentanone	NS	5	U	5	U
Acetone	50*	5	U	5	U
Acrylonitrile	5	5	U	5	U
Benzene	1	0.5	U	0.5	U
Bromobenzene	5	2.5	U	2.5	U
Bromochloromethane	5	2.5	U	2.5	U
Bromodichloromethane	50*	0.5	U	0.5	U
Bromoform	50*	2	U	2	U
Bromomethane	5	1	U	1	U
Carbon disulfide	NS	5	U	5	U
Carbon tetrachloride	5	0.5	U	0.5	U
Chlorobenzene	5	0.5	U	0.5	U
Chloroethane	5	1	U	1	U
Chloroform	7	0.75	U	0.75	U
Chloromethane	5	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U
Dibromochloromethane	50*	0.5	U	0.5	U
Dibromomethane	5	5	U	5	U
Dichlorodifluoromethane	5	5	U	5	U
Ethylbenzene	5	0.5	U	0.5	U
Hexachlorobutadiene	0.5	0.6	U	0.6	U
Isopropylbenzene	5	0.5	U	0.5	U
Methyl tert butyl ether	10	1	U	1	U
Methylene chloride	5	5	U	5	U
Naphthalene	10*	2.5	U	2.5	U
n-Butylbenzene	5	0.5	U	0.5	U
n-Propylbenzene	5	0.5	U	0.5	U
o-Chlorotoluene	5	2.5	U	2.5	U
o-Xylene	5	1	U	1	U
p/m-Xylene	5	1	U	1	U
p-Chlorotoluene	5	2.5	U	2.5	U
p-Isopropyltoluene	5	0.5	U	0.5	U
sec-Butylbenzene	5	0.5	U	0.5	U
Styrene	5	1	U	1	U
tert-Butylbenzene	5	2.5	U	2.5	U
Toluene	5	0.75	U	0.75	U
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U
Trichlorofluoromethane	5	2.5	U	2.5	U
Vinyl acetate	NS	5	U	5	U

Notes:
All units are µg/L (ppb)
[1]Class GA Ambient Water Quality Standard (AWQS), NY
* Guidance Value
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory M
Yellow highlighting indicates exceedance of Ambient W
Green highlighting indicates exceedence of Ambient W

Table 13
Groundwater Sample Analytical Data Summary
Semi-Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	AWQS*	MW-1	MW-2	MW-4	MW-5	MW-6	DIFFW-01	SW-01
LAB SAMPLE ID		L0814755-02	L0814755-03	L0814755-04	L0814755-05	L0814755-06	L0814755-07	L0814991-02
SAMPLING DATE		10/3/2008	10/3/2008	10/3/2008	10/6/2008	10/6/2008	10/6/2008	10/7/2008
SAMPLE DEPTH (ft.)								
Semivolatile Organics by EPA 8270C								
1,2,4,5-Tetrachlorobenzene	5	20 U	20 U	20 U	19 U	19 U	19 U	4.9 U
1,2,4-Trichlorobenzene	5	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
1,2-Dichlorobenzene	3	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
1,3-Dichlorobenzene	3	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
1,4-Dichlorobenzene	3	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	9.8 U
2,4,5-Trichlorophenol	1	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	9.8 U
2,4,6-Trichlorophenol	1	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
2,4-Dichlorophenol	1	9.8 U	9.8 U	9.9 U	9.7 U	9.7 U	9.5 U	9.8 U
2,4-Dimethylphenol	1	9.8 U	9.8 U	9.9 U	9.7 U	9.7 U	9.5 U	29 U
2,4-Dinitrophenol	1	29 U	29 U	30 U	29 U	29 U	28 U	4.9 U
2,4-Dinitrotoluene	5	5.9 U	5.9 U	5.9 U	5.8 U	5.8 U	5.7 U	29 U
2,6-Dinitrotoluene	5	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	5.9 U
2-Chloronaphthalene	10*	5.9 U	5.9 U	5.9 U	5.8 U	5.8 U	5.7 U	4.9 U
2-Chlorophenol	NS	5.9 U	5.9 U	5.9 U	5.8 U	5.8 U	5.7 U	4.9 U
2-Methylnaphthalene	NS	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
2-Methylphenol	NS	5.9 U	5.9 U	5.9 U	5.8 U	5.8 U	5.7 U	15 U
2-Nitroaniline	5	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
2-Nitrophenol	1	20 U	20 U	20 U	19 U	19 U	19 U	4.9 U
3,3'-Dichlorobenzidine	5	49 U	49 U	49 U	48 U	48 U	48 U	9.8 U
3-Methylphenol/4-Methylphenol	NS	5.9 U	5.9 U	5.9 U	5.8 U	5.8 U	5.7 U	4.9 U
3-Nitroaniline	5	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	**20**
4,6-Dinitro-o-cresol	NS	20 U	20 U	20 U	19 U	19 U	19 U	4.9 U
4-Bromophenyl phenyl ether	NS	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	5.9 U
4-Chloroaniline	5	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
4-Chlorophenyl phenyl ether	NS	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	5.9 U
4-Nitroaniline	5	6.8 U	6.8 U	6.9 U	6.8 U	6.8 U	6.7 U	4.9 U
4-Nitrophenol	1	9.8 U	9.8 U	9.9 U	9.7 U	9.7 U	9.5 U	6.8 U
Acenaphthene	20*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	20 U
Acenaphthylene	NS	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Acetophenone	NS	20 U	20 U	20 U	19 U	19 U	19 U	4.9 U
Anthracene	50*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	49 U
Benzo(a)anthracene	0.002*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Benzo(a)pyrene	0.002*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Benzo(b)fluoranthene	0.002*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Benzo(ghi)perylene	NS	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	9.8 U
Benzo(k)fluoranthene	0.002*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Benzoic Acid	NS	49 U	49 U	49 U	48 U	48 U	48 UJ	4.9 U
Benzyl Alcohol	NS	9.8 U	9.8 U	9.9 U	9.7 U	9.7 U	9.5 U	6.8 U
Biphenyl	5	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Bis(2-chloroethoxy)methane	5	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	5.9 U
Bis(2-chloroethyl)ether	1	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Bis(2-chloroisopropyl)ether	NS	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Bis(2-Ethylhexyl)phthalate	5	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Butyl benzyl phthalate	50*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	6.8 U
Carbazole	NS	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Chrysene	0.002*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Dibenzo(a,h)anthracene	NS	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Dibenzofuran	NS	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Diethyl phthalate	50*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Dimethyl phthalate	50*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	20 U
Di-n-butylphthalate	50	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	9.8 U
Di-n-octylphthalate	50*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Fluoranthene	50*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Fluorene	50*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Hexachlorobenzene	0.04	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Hexachlorobutadiene	0.5	9.8 U	9.8 U	9.9 U	9.7 U	9.7 U	9.5 U	4.9 U
Hexachlorocyclopentadiene	5	29 U	29 U	30 U	29 U	29 U	28 UJ	20 U
Hexachloroethane	5	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	49 U
Indeno(1,2,3-cd)Pyrene	0.002*	6.8 U	6.8 U	6.9 U	6.8 U	6.8 U	6.7 U	4.9 U
Isophorone	50*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	5.9 U
Naphthalene	10*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Nitrobenzene	0.4	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	20 U
NitrosoDiPhenylAmine(NDPA)/DPA	50*	15 U	15 U	15 U	14 U	14 U	14 U	4.9 U
n-Nitrosodi-n-propylamine	NS	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
P-Chloro-M-Cresol	NS	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Pentachlorophenol	1	9.8 U	9.8 U	9.9 U	9.7 U	9.7 U	9.5 U	4.9 U
Phenanthrene	50*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Phenol	1	6.8 U	6.8 U	6.9 U	6.8 U	6.8 U	6.7 U	4.9 U
Pyrene	50*	4.9 U	4.9 U	4.9 U	4.8 U	4.8 U	4.8 U	4.9 U
Semivolatile Organics by EPA 8270C-SIM								
2-Chloronaphthalene	10*	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U
2-Methylnaphthalene	NS	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U
Acenaphthene	20*	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U
Acenaphthylene	NS	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U
Anthracene	50*	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(a)anthracene	0.002*	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(a)pyrene	0.002*	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(b)fluoranthene	0.002*	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(ghi)perylene	NS	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(k)fluoranthene	0.002*	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U
Chrysene	0.002*	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U
Dibenzo(a,h)anthracene	NS	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.48 U
Fluoranthene	50*	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U
Fluorene	50*	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U
Hexachlorobenzene	0.04	0.78 U	0.78 U	0.79 U	0.78 U	0.78 U	0.76 U	0.19 U
Hexachlorobutadiene	0.5	0.49 U	0.49 U	0.49 U	0.48 U	0.48 U	0.48 U	0.19 U
Hexachloroethane	5	0.78 U	0.78 U	0.79 U	0.78 U	0.78 U	0.76 U	0.19 U
Indeno(1,2,3-cd)Pyrene	0.002*	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.78 U
Naphthalene	10*	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U
Pentachlorophenol	1	0.78 U	0.78 U	0.79 U	0.78 U	0.78 U	0.76 U	0.78 U
Phenanthrene	50*	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.78 U
Pyrene	50*	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U

Notes:
All units are µg/L (ppb)
[1]Class GA Ambient Water Quality Standard (AWQS), NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater E
* Guidance Value
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Yellow highlighting indicates exceedance of Ambient Water Quality Standard
Green highlighting indicates exceedence of Ambient Water Quality Guidance Value

Table 14
Groundwater Sample Analytical Data Summary
Pesticides/PCBs/Metals
Former Darby Drugs Distribution Center

SAMPLE ID	AWQS[1]	MW-1	MW-2	MW-4	MW-5	MW-6	DIFFW-01	SW-01	SW-01	MW-4	MW-5	MW-6	DW-1
LAB SAMPLE ID		L0814755-02	L0814755-03	L0814755-04	L0814755-05	L0814755-06	L0814755-07	L0814991-02 R1	L0911697-05	L0911697-10	L0911697-09	L0911697-06	L0911697-08
SAMPLING DATE		10/3/2008	10/3/2008	10/3/2008	10/6/2008	10/6/2008	10/6/2008	10/7/2008	8/20/2009	8/20/2009	8/20/2009	8/20/2009	8/20/2009
SAMPLE DEPTH (ft.)													
Organochlorine Pesticides by EPA 8081A													
4,4'-DDD	0.3	0.041 U	0.04 U	0.046 U	0.043 U	0.041 U	0.043 U	0.206 U	NA	NA	NA	NA	NA
4,4'-DDE	0.2	0.041 U	0.04 U	0.046 U	0.043 U	0.041 U	0.043 U	0.206 U	NA	NA	NA	NA	NA
4,4'-DDT	0.2	0.041 U	0.04 U	0.046 U	0.043 U	0.041 U	0.043 U	0.206 U	NA	NA	NA	NA	NA
Aldrin	NS	0.021 U	0.02 U	0.023 U	0.021 U	0.021 U	0.021 U	0.103 U	NA	NA	NA	NA	NA
Alpha-BHC	0.01	0.021 U	0.02 U	0.023 U	0.021 U	0.021 U	0.021 U	0.206 U	NA	NA	NA	NA	NA
Beta-BHC	0.04	0.021 U	0.02 U	0.023 U	0.021 U	0.021 U	0.021 U	0.103 U	NA	NA	NA	NA	NA
Chlordane	0.05	0.206 U	0.2 U	0.228 U	0.213 U	0.206 U	0.213 U	0.103 U	NA	NA	NA	NA	NA
Delta-BHC	0.04	0.021 U	0.02 U	0.023 U	0.021 U	0.021 U	0.021 U	0.206 U	NA	NA	NA	NA	NA
Dieldrin	0.004	0.041 U	0.04 U	0.046 U	0.043 U	0.041 U	0.043 U	0.103 U	NA	NA	NA	NA	NA
Endosulfan I	NS	0.021 U	0.02 U	0.023 U	0.021 U	0.021 U	0.021 U	0.206 U	NA	NA	NA	NA	NA
Endosulfan II	NS	0.041 U	0.04 U	0.046 U	0.043 U	0.041 U	0.043 U	0.103 U	NA	NA	NA	NA	NA
Endosulfan sulfate	NS	0.041 U	0.04 U	0.046 U	0.043 U	0.041 U	0.043 U	0.103 U	NA	NA	NA	NA	NA
Endrin	NS	0.041 U	0.04 U	0.046 U	0.043 U	0.041 U	0.043 U	0.103 U	NA	NA	NA	NA	NA
Endrin ketone	5	0.041 U	0.04 U	0.046 U	0.043 U	0.041 U	0.043 U	0.206 U	NA	NA	NA	NA	NA
Heptachlor	0.04	0.021 U	0.02 U	0.023 U	0.021 U	0.021 U	0.021 U	0.103 U	NA	NA	NA	NA	NA
Heptachlor epoxide	0.03	0.021 U	0.02 U	0.023 U	0.021 U	0.021 U	0.021 U	1.03 U	NA	NA	NA	NA	NA
Lindane	0.05	0.021 U	0.02 U	0.023 U	0.021 U	0.021 U	0.021 U	0.206 U	NA	NA	NA	NA	NA
Methoxychlor	35	0.206 U	0.2 U	0.228 U	0.213 U	0.206 U	0.213 U	0.103 U	NA	NA	NA	NA	NA
trans-Chlordane	NS	0.021 U	0.02 U	0.023 U	0.021 U	0.021 U	0.021 U	1.03 U	NA	NA	NA	NA	NA
Polychlorinated Biphenyls by EPA 8082													
Aroclor 1016	0.09	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA
Aroclor 1221	0.09	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA
Aroclor 1232	0.09	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA
Aroclor 1242	0.09	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA
Aroclor 1248	0.09	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA
Aroclor 1254	0.09	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA
Aroclor 1260	0.09	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA	NA	NA	NA
Total Metals													
Aluminum	NS	**190,000**	**630**	**10,000**	**58,000**	**190,000**	**2,100**	**140**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Antimony	3	50 U	50 U	50 U	50 U	50 U	50 U	50 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Arsenic	25	**291**	**7**	**50**	**40**	**177**	100 U	10 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Barium	1000	**576**	10 U	**39**	**158**	**428**	**62**	**19**	**0.037**	**0.015**	0.01 U	0.01 U	**0.013**
Beryllium	3*	**8**	5 U	5 U	5 U	**13**	5 U	5 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium	5	**11**	5 U	5 U	5 U	**13**	**9**	5 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	NS	**57,000**	**13,000**	**17,000**	**18,000**	**49,000**	**20,000**	**14,000**	**15**	**19**	**6.6**	**14**	**11**
Chromium	50	**400**	10 U	**20**	**120**	**380**	**40**	10 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt	NS	**198**	20 U	20 U	**44**	**184**	**34**	20 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Copper	200	**312**	10 U	**11**	**113**	**333**	**726**	**104**	**0.061**	0.010 U	0.010 U	0.010 U	0.010 U
Iron	300	**360,000**	**11,000**	**150,000**	**160,000**	**520,000**	**340,000**	**39,000**	0.05 U	**17**	0.05 U	**0.09**	0.05 U
Lead	25	**394**	10 U	**15**	**349**	**254**	**12**	**20**	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Magnesium	35000*	**54,000**	**2,600**	**16,000**	**24,000**	**78,000**	**15,000**	**12,000**	**9.2**	**15**	**3.0**	**4.8**	**5.0**
Manganese	300	**5,130**	**280**	**795**	**1,330**	**6,810**	**4,740**	**366**	**0.404**	**0.818**	**0.162**	**0.417**	**0.055**
Mercury	0.7	**2.7**	0.2 U	0.2 U	**0.8**	**1.1**	**0.2**	0.2 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Nickel	100	**341**	25 U	25 U	**110**	**420**	25 U	25 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Potassium	NS	**16,000**	2,500 U	**3,800**	**7,300**	**21,000**	**4,200**	**3,000**	**2.5**	2.5 U	2.5 U	2.5 U	**3.5**
Selenium	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Silver	50	7 U	7 U	7 U	7 U	7 U	7 U	7 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U
Sodium	20000	**15,000**	2,000 U	**30,000**	**7,000**	**7,500**	**25,000**	**29,000**	**24**	**35**	**7.7**	**6.6**	**20**
Thallium	0.5*	20 U	20 U	20 U	20 U	20 U	20 U	20 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Vanadium	NS	**602**	10 U	**30**	**194**	**679**	10 U	10 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Zinc	2000*	**1,320**	50 U	**217**	**740**	**1,700**	**670**	**87**	**0.412**	0.050 U	0.050 U	0.050 U	0.050 U

Notes:
All units are µg/L (ppb)

[1]Class GA Ambient Water Quality Standard (AWQS), NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998

* Guidance Value

U - Analyte not detected above the laboratory MDL

J - Estimated value

NS - No standard established

NA- Not analyzed

Bold text indicates compounds above the laboratory MDL

Yellow highlighting indicates exceedance of Ambient Water Quality Standard

Green highlighting indicates exceedence of Ambient Water Quality Guidance Value

Table 15
Groundwater (Vertical Profile) Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	AWQS*	PWG-VP-2008-01		PWG-VP-2008-01		PWG-VP-2008-01		PWG-VP-2008-01		PWG-VP-2008-01	
LAB SAMPLE ID		L0812904-08		L0812904-09		L0812904-10		L0812904-11		L0812904-12	
SAMPLING DATE		8/29/2008		8/29/2008		8/29/2008		8/29/2008		8/29/2008	
SAMPLE DEPTH (ft.)		16-20		36-40		56-60		76-80		96-100	
Volatile Organics by EPA 8260B											
Tetrachloroethene	5	**13**		**13**		**46**		**100**		**200**	J
Trichloroethene	5	**4.3**		**1.4**		**5.6**		**18**		**40**	J
cis-1,2-Dichloroethene	5	**1.2**		0.5	U	0.5	U	**0.82**		**14**	J
trans-1,2-Dichloroethene	5	0.75	U	0.75	U	0.75	U	0.75	U	1.5	UJ
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
Vinyl chloride	2	1	U	1	U	1	U	1	U	2	UJ
1,1,1,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
1,1,1-Trichloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
1,1,2-Trichloroethane	1	0.75	U	0.75	U	0.75	U	0.75	U	1.5	UJ
1,1-Dichloroethane	5	**1.0**		0.75	U	0.75	U	0.75	U	1.5	UJ
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
1,2,3-Trichloropropane	0.04	5	U	5	U	5	U	5	U	10	UJ
1,2,4,5-Tetramethylbenzene	5	2	U	2	U	2	U	2	U	4	UJ
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	4	UJ
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
1,2-Dichloropropane	1	1.8	U	1.8	U	1.8	U	1.8	U	3.5	UJ
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
1,4-Diethylbenzene	NS	2	U	2	U	2	U	2	U	4	UJ
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
2-Butanone	50*	**10**		**16**		5	U	5	U	10	UJ
2-Hexanone	50*	5	U	5	U	5	U	5	U	10	UJ
4-Ethyltoluene	NS	2	U	2	U	2	U	2	U	4	UJ
4-Methyl-2-pentanone	NS	5	U	5	U	5	U	5	U	10	UJ
Acetone	50*	**13**		**11**		5	U	**12**		**32**	J
Acrylonitrile	5	5	U	5	U	5	U	5	U	10	UJ
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
Bromodichloromethane	50*	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
Bromoform	50*	2	U	2	U	2	U	2	U	4	UJ
Bromomethane	5	1	U	1	U	1	U	1	U	2	UJ
Carbon disulfide	NS	5	U	5	U	5	U	5	U	10	UJ
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
Chlorobenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
Chloroethane	5	1	U	1	U	1	U	1	U	2	UJ
Chloroform	7	0.75	U	0.75	U	0.75	U	0.75	U	1.5	UJ
Chloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
Dibromochloromethane	50*	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
Dibromomethane	5	5	U	5	U	5	U	5	U	10	UJ
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	10	UJ
Ethylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
Hexachlorobutadiene	0.5	0.6	U	0.6	U	0.6	U	0.6	U	1.2	UJ
Isopropylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
Methyl tert butyl ether	10	1	U	1	U	1	U	**1.1**		2	UJ
Methylene chloride	5	5	U	5	U	5	U	5	U	10	UJ
Naphthalene	10*	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
n-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
n-Propylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
o-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
o-Xylene	5	1	U	1	U	1	U	1	U	2	UJ
p/m-Xylene	5	1	U	1	U	1	U	1	U	2	UJ
p-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
p-Isopropyltoluene	5	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
sec-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
Styrene	5	1	U	1	U	1	U	1	U	2	UJ
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
Toluene	5	0.75	U	0.75	U	0.75	U	0.75	U	1.5	UJ
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	1	UJ
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	5	UJ
Vinyl acetate	NS	5	U	5	U	5	U	5	U	10	UJ

Notes:
All units are µg/L (ppb)
[1]Class GA Ambient Water Quality Standard (AWQS), NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and
* Guidance Value
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Yellow highlighting indicates exceedance of Ambient Water Quality Standard
Green highlighting indicates exceedence of Ambient Water Quality Guidance Value

Table 15
Groundwater (Vertical Profile) Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	AWQS*	PWG-VP-2008-02		PWG-VP-2008-02		PWG-VP-2008-02		PWG-VP-2008-02		PWG-VP-2008-02	
LAB SAMPLE ID		L0812904-03		L0812904-04		L0812904-05		L0812904-06		L0812904-07	
SAMPLING DATE		8/28/2008		8/28/2008		8/28/2008		8/28/2008		8/28/2008	
SAMPLE DEPTH (ft.)		16-20		36-40		56-60		76-80		96-100	
Volatile Organics by EPA 8260B											
Tetrachloroethene	5	**210**		**5,800**		**420**	J	**21**		**280**	J
Trichloroethene	5	**14**		**98**		**51**	J	**1.6**		**29**	J
cis-1,2-Dichloroethene	5	**500**		50	U	**210**	J	**7.5**		**110**	J
trans-1,2-Dichloroethene	5	**7.9**		75	U	**5.7**	J	1.5	U	1.5	UJ
1,1-Dichloroethene	5	2.5	U	50	U	1.2	UJ	1	U	1	UJ
Vinyl chloride	2	**100**		100	U	**4.7**	J	2	U	2	UJ
1,1,1,2-Tetrachloroethane	5	2.5	U	50	U	1.2	UJ	1	U	1	UJ
1,1,1-Trichloroethane	5	2.5	U	50	U	1.2	UJ	1	U	1	UJ
1,1,2,2-Tetrachloroethane	5	2.5	U	50	U	1.2	UJ	1	U	1	UJ
1,1,2-Trichloroethane	1	3.8	U	75	U	1.9	UJ	1.5	U	1.5	UJ
1,1-Dichloroethane	5	3.8	U	75	U	1.9	UJ	1.5	U	1.5	UJ
1,1-Dichloropropene	5	12	U	250	U	6.2	UJ	5	U	5	UJ
1,2,3-Trichlorobenzene	5	12	U	250	U	6.2	UJ	5	U	5	UJ
1,2,3-Trichloropropane	0.04	25	UJ	500	U	12	UJ	10	U	10	UJ
1,2,4,5-Tetramethylbenzene	5	10	U	200	U	5	UJ	4	U	4	UJ
1,2,4-Trichlorobenzene	5	12	U	250	U	6.2	UJ	5	U	5	UJ
1,2,4-Trimethylbenzene	5	12	U	250	U	6.2	UJ	5	U	5	UJ
1,2-Dibromo-3-chloropropane	0.04	12	U	250	U	6.2	UJ	5	U	5	UJ
1,2-Dibromoethane	0.0006	10	U	200	U	5	UJ	4	U	4	UJ
1,2-Dichlorobenzene	3	12	U	250	U	6.2	UJ	5	U	5	UJ
1,2-Dichloroethane	0.6	2.5	U	50	U	1.2	UJ	1	U	1	UJ
1,2-Dichloropropane	1	8.8	U	180	U	4.4	UJ	3.5	U	3.5	UJ
1,3,5-Trimethylbenzene	5	12	U	250	U	6.2	UJ	5	U	5	UJ
1,3-Dichlorobenzene	3	12	U	250	U	6.2	UJ	5	U	5	UJ
1,3-Dichloropropane	5	12	U	250	U	6.2	UJ	5	U	5	UJ
1,4-Dichlorobenzene	3	12	U	250	U	6.2	UJ	5	U	5	UJ
1,4-Diethylbenzene	NS	10	U	200	U	5	UJ	4	U	4	UJ
2,2-Dichloropropane	5	12	U	250	U	6.2	UJ	5	U	5	UJ
2-Butanone	50*	25	U	500	U	12	UJ	**21**		10	UJ
2-Hexanone	50*	25	U	500	U	12	UJ	10	U	10	UJ
4-Ethyltoluene	NS	10	U	200	U	5	UJ	4	U	4	UJ
4-Methyl-2-pentanone	NS	25	U	500	U	12	UJ	10	U	10	UJ
Acetone	50*	**28**		500	U	**23**	J	**71**		**36**	J
Acrylonitrile	5	25	U	500	U	12	UJ	10	U	10	UJ
Benzene	1	2.5	U	50	U	1.2	UJ	1	U	1	UJ
Bromobenzene	5	12	U	250	U	6.2	UJ	5	U	5	UJ
Bromochloromethane	5	12	U	250	U	6.2	UJ	5	U	5	UJ
Bromodichloromethane	50*	2.5	U	50	U	1.2	UJ	1	U	1	UJ
Bromoform	50*	10	U	200	U	5	UJ	4	U	4	UJ
Bromomethane	5	5	UJ	100	U	2.5	UJ	2	U	2	UJ
Carbon disulfide	NS	25	U	500	U	12	UJ	10	U	10	UJ
Carbon tetrachloride	5	2.5	U	50	U	1.2	UJ	1	U	1	UJ
Chlorobenzene	5	2.5	U	50	U	1.2	UJ	1	U	1	UJ
Chloroethane	5	5	U	100	U	2.5	UJ	2	U	2	UJ
Chloroform	7	3.8	U	75	U	1.9	UJ	1.5	U	1.5	UJ
Chloromethane	5	12	UJ	250	U	6.2	UJ	5	U	5	UJ
cis-1,3-Dichloropropene	0.4	2.5	U	50	U	1.2	UJ	1	U	1	UJ
Dibromochloromethane	50*	2.5	U	50	U	1.2	UJ	1	U	1	UJ
Dibromomethane	5	25	U	500	U	12	UJ	10	U	10	UJ
Dichlorodifluoromethane	5	25	U	500	U	12	UJ	10	U	10	UJ
Ethylbenzene	5	2.5	U	50	U	1.2	UJ	1	U	1	UJ
Hexachlorobutadiene	0.5	3	U	60	U	1.5	UJ	1.2	U	1.2	UJ
Isopropylbenzene	5	2.5	UJ	50	U	1.2	UJ	1	U	1	UJ
Methyl tert butyl ether	10	5	U	100	U	2.5	UJ	2	U	2	UJ
Methylene chloride	5	25	U	500	U	12	UJ	10	U	10	UJ
Naphthalene	10*	12	UJ	250	U	6.2	UJ	5	U	5	UJ
n-Butylbenzene	5	2.5	U	50	U	1.2	UJ	1	U	1	UJ
n-Propylbenzene	5	2.5	U	50	U	1.2	UJ	1	U	1	UJ
o-Chlorotoluene	5	12	U	250	U	6.2	UJ	5	U	5	UJ
o-Xylene	5	5	U	100	U	2.5	UJ	2	U	2	UJ
p/m-Xylene	5	5	U	100	U	2.5	UJ	2	U	2	UJ
p-Chlorotoluene	5	12	U	250	U	6.2	UJ	5	U	5	UJ
p-Isopropyltoluene	5	2.5	U	50	U	1.2	UJ	1	U	1	UJ
sec-Butylbenzene	5	2.5	U	50	U	1.2	UJ	1	U	1	UJ
Styrene	5	5	U	100	U	2.5	UJ	2	U	2	UJ
tert-Butylbenzene	5	12	U	250	U	6.2	UJ	5	U	5	UJ
Toluene	5	3.8	U	75	U	1.9	UJ	**1.5**		1.5	UJ
trans-1,3-Dichloropropene	0.4	2.5	U	50	U	1.2	UJ	1	U	1	UJ
Trichlorofluoromethane	5	12	U	250	U	6.2	UJ	5	U	5	UJ
Vinyl acetate	NS	25	U	500	U	12	UJ	10	U	10	UJ

Notes:
All units are µg/L (ppb)
*Class GA Ambient Water Quality Standard (AWQS), NY Guidance Values and Groundwater Effluent Limitations, June 1998
* Guidance Value
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory M
Yellow highlighting indicates exceedance of Ambient W
Green highlighting indicates exceedence of Ambient W

Table 15
Groundwater (Vertical Profile) Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	AWQS*	PWG-VP-2008-03		PWG-VP-2008-03		PWG-VP-2008-03		PWG-VP-2008-03		PWG-VP-2008-03	
LAB SAMPLE ID		L0812845-06		L0812845-07		L0812845-08		L0812845-11		L0812904-02	
SAMPLING DATE		8/27/2008		8/27/2008		8/27/2008		8/27/2008		8/28/2008	
SAMPLE DEPTH (ft.)		16-20		36-40		56-60		76-80		96-100	
Volatile Organics by EPA 8260B											
Tetrachloroethene	5	**28**		**24**		**91**		**21**		**27**	J
Trichloroethene	5	**1.2**		0.5	U	**2.6**		0.5	U	**1.3**	J
cis-1,2-Dichloroethene	5	**13**		**0.62**		**8.3**		**1.2**		**8.8**	J
trans-1,2-Dichloroethene	5	0.75	U	0.75	U	0.75	U	0.75	U	0.75	UJ
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	UJ
1,1,1,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
1,1,1-Trichloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
1,1,2-Trichloroethane	1	0.75	U	0.75	U	0.75	U	0.75	U	0.75	UJ
1,1-Dichloroethane	5	0.75	U	0.75	U	0.75	U	0.75	U	0.75	UJ
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
1,2,3-Trichloropropane	0.04	5	U	5	U	5	U	5	U	5	UJ
1,2,4,5-Tetramethylbenzene	5	2	U	2	U	2	U	2	U	2	UJ
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	2	UJ
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
1,2-Dichloropropane	1	1.8	U	1.8	U	1.8	U	1.8	U	1.8	UJ
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
1,4-Diethylbenzene	NS	2	U	2	U	2	U	2	U	2	UJ
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
2-Butanone	50*	**6.4**		5	U	5	U	5	U	5	UJ
2-Hexanone	50*	5	U	5	U	5	U	5	U	5	UJ
4-Ethyltoluene	NS	2	U	2	U	2	U	2	U	2	UJ
4-Methyl-2-pentanone	NS	5	U	5	U	5	U	5	U	5	UJ
Acetone	50*	**26**		5	U	5	U	5	U	**7.1**	J
Acrylonitrile	5	5	U	5	U	5	U	5	U	5	UJ
Benzene	1	0.5	U	0.5	U	**0.69**		0.5	U	0.5	UJ
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
Bromodichloromethane	50*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
Bromoform	50*	2	U	2	U	2	U	2	U	2	UJ
Bromomethane	5	1	U	1	U	1	U	1	U	1	UJ
Carbon disulfide	NS	5	U	5	U	5	U	5	U	5	UJ
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
Chlorobenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
Chloroethane	5	1	U	1	U	1	U	1	U	1	UJ
Chloroform	7	0.75	U	0.75	U	0.75	U	0.75	U	0.75	UJ
Chloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
Dibromochloromethane	50*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
Dibromomethane	5	5	U	5	U	5	U	5	U	5	UJ
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	5	UJ
Ethylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
Hexachlorobutadiene	0.5	0.6	U	0.6	U	0.6	U	0.6	U	0.6	UJ
Isopropylbenzene	5	0.5	U	0.5	U	**0.88**		**1.3**		0.5	UJ
Methyl tert butyl ether	10	1	U	1	U	**5.5**		1	U	1	UJ
Methylene chloride	5	5	U	5	U	5	U	5	U	5	UJ
Naphthalene	10*	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
n-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
n-Propylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
o-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
o-Xylene	5	1	U	1	U	1	U	1	U	1	UJ
p/m-Xylene	5	1	U	1	U	1	U	1	U	1	UJ
p-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
p-Isopropyltoluene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
sec-Butylbenzene	5	0.5	U	**1.3**		0.5	U	**1.2**		0.5	UJ
Styrene	5	1	U	1	U	1	U	1	U	1	UJ
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
Toluene	5	0.75	U	0.75	U	**1**		0.75	U	**1.1**	J
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
Vinyl acetate	NS	5	U	5	U	5	U	5	U	5	UJ

Notes:
All units are µg/L (ppb)
*Class GA Ambient Water Quality Standard (AWQS), NY
* Guidance Value
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory M
Yellow highlighting indicates exceedance of Ambient W
Green highlighting indicates exceedence of Ambient W

Table 15
Groundwater (Vertical Profile) Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	AWQS*	PWG-VP-2008-04		PWG-VP-2008-04		PWG-VP-2008-04		PWG-VP-2008-04		PWG-VP-2008-04	
LAB SAMPLE ID		L0812845-01		L0812845-02		L0812845-03		L0812845-04		L0812845-05	
SAMPLING DATE		8/26/2008		8/26/2008		8/26/2008		8/26/2008		8/27/2008	
SAMPLE DEPTH (ft.)		16-20		36-40		56-60		76-80		96-100	
Volatile Organics by EPA 8260B											
Tetrachloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	5	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U
1,1,1,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
1,1-Dichloroethane	5	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	5	U	5	UJ	5	U	5	U	5	U
1,2,4,5-Tetramethylbenzene	5	2	U	2	U	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	1	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Diethylbenzene	NS	2	U	2	U	2	U	2	U	2	U
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	50*	5	U	5	U	5	U	5	U	**18**	
2-Hexanone	50*	5	U	5	U	5	U	5	U	5	U
4-Ethyltoluene	NS	2	U	2	U	2	U	2	U	2	U
4-Methyl-2-pentanone	NS	5	U	5	U	5	U	5	U	5	U
Acetone	50*	5	U	5	U	**8.9**		5	U	**49**	
Acrylonitrile	5	5	U	5	U	5	U	5	U	5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	**0.56**	
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50*	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	1	U	1	UJ	1	U	1	U	1	U
Carbon disulfide	NS	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	5	1	U	1	U	1	U	1	U	1	U
Chloroform	7	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
Chloromethane	5	2.5	U	2.5	UJ	2.5	U	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	50*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	0.5	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Isopropylbenzene	5	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U
Methyl tert butyl ether	10	1	U	1	U	1	U	1	U	1	U
Methylene chloride	5	5	U	5	U	5	U	5	U	5	U
Naphthalene	10*	2.5	U	2.5	UJ	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Propylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	5	1	U	1	U	1	U	1	U	1	U
p/m-Xylene	5	1	U	1	U	1	U	1	U	1	U
p-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Isopropyltoluene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
sec-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	5	1	U	1	U	1	U	1	U	1	U
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Toluene	5	0.75	U	0.75	U	0.75	U	0.75	U	**1.3**	
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl acetate	NS	5	U	5	U	5	U	5	U	5	U

Notes:
All units are µg/L (ppb)
*Class GA Ambient Water Quality Standard (AWQS), NY
* Guidance Value
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory M
Yellow highlighting indicates exceedance of Ambient W
Green highlighting indicates exceedence of Ambient W

Table 16
Soil Vapor Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	Target	PWG-SG-2008-01		PWG-SG-2008-02		PWG-SG-2008-03		PWG-SG-2008-04		PWG-SG-2008-05		PWG-SG-2008-06	
SAMPLING DATE:	Shallow	9/10/08		9/10/08		9/10/08		9/10/08		9/10/08		9/10/08	
LAB SAMPLE ID:	Soil-Gas	L0813541-01		L0813541-02		L0813541-03		L0813541-04		L0813541-05		L0813541-06	
SAMPLE DEPTH:	Concentration[1]	5.5'		5.5'		5.5'		5.5'		5.5'		5.5'	
Volatile Organics by TO-15													
Tetrachloroethene	81	**31.1**		**45.6**		**26.5**		**22.4**		**20.0**		**7.12**	
Trichloroethene	2.2	**1.91**		**1.72**		**6.6**		**2.17**		10.7	U	**1.49**	
cis-1,2-Dichloroethene	350	0.792	U	0.792	U	0.792	U	0.792	U	7.92	U	0.792	U
trans-1,2-Dichloroethene	700	0.792	U	0.792	U	0.792	U	0.792	U	7.92	U	0.792	U
1,1-Dichloroethene	NS	0.792	U	0.792	U	0.792	U	0.792	U	7.92	U	0.792	U
Vinyl chloride	28	0.511	U	0.511	U	0.511	U	0.511	U	5.11	U	0.511	U
1,1,2,2-Tetrachloroethane	4.2	1.37	U	1.37	U	1.37	U	1.37	U	13.7	U	1.37	U
1,1,1-Trichloroethane	22,000	**1.33**		**27.7**		**9.81**		1.09	U	10.9	U	1.09	U
1,1,2-Trichloroethane	15	1.09	U	1.09	U	1.09	U	1.09	U	10.9	U	1.09	U
1,1-Dichloroethane	9.4	0.809	U	0.809	U	0.809	U	0.809	U	8.09	U	0.809	U
1,2,4-Trichlorbenzene	NS	1.48	U	1.48	U	1.48	U	1.48	U	14.8	U	1.48	U
1,2,4-Trimethylbenzene	60	**5.5**		**5.56**		**7.86**		**4.72**		9.82	U	**4.9**	
1,2-Dibromoethane	1.1	1.54	U	1.54	U	1.54	U	1.54	U	15.4	U	1.54	U
1,2-Dichlorobenzene	2,000	1.2	U	1.2	U	1.2	U	1.2	U	12	U	1.2	U
1,2-Dichloroethane	9.4	0.809	U	0.809	U	0.809	U	0.809	U	8.09	U	0.809	U
1,2-Dichloropropane	40	0.924	U	0.924	U	0.924	U	0.924	U	9.24	U	0.924	U
1,3,5-Trimethybenzene	60	**2.28**		**2.56**		**3.32**		**2.28**		9.82	U	**2.23**	
1,3-Butadiene	0.87	0.442	U	0.442	U	0.442	U	0.442	U	4.42	U	0.442	U
1,3-Dichlorobenzene	1,100	1.2	U	1.2	U	1.2	U	1.2	U	12	U	1.2	U
1,4-Dichlorobenzene	8,000	**36.7**		**38.2**		**48.2**		**35.5**		**17.3**		**34.1**	
1,4-Dioxane	NS	0.72	U	0.72	U	0.72	U	0.72	U	7.2	U	0.72	U
2,2,4-Trimethylpentane	NS	0.934	U	0.934	U	0.934	U	0.934	U	9.34	U	0.934	U
2-Butanone	10,000	**2.84**		**3.01**		**4.14**		**37.1**		**421**		**40.1**	
2-Hexanone	NS	0.819	U	0.819	U	0.819	U	**9.32**		**9.46**		**12.2**	
3-Chloropropene	NS	0.626	U	0.626	U	0.626	U	0.626	U	6.26	U	0.626	U
4-Ethyltoluene	NS	0.982	U	0.982	U	**1.14**		0.982	U	9.82	U	0.982	U
4-Methyl-2-pentanone	800	0.819	U	0.819	U	0.819	U	0.819	U	8.19	U	0.819	U
Acetone	3,500	**16.7**		**16**		**24**		**114**		**1900**		**108**	
Benzene	31	0.638	U	0.638	U	0.638	U	**0.828**		6.38	U	0.638	U
Benzyl chloride	50	1.03	U	1.03	U	1.03	U	1.03	U	10.3	U	1.03	U
Bromodichloromethane	14	1.34	U	1.34	U	1.34	U	1.34	U	13.4	U	1.34	U
Bromoform	220	2.06	U	2.06	U	2.06	U	2.06	U	20.6	U	2.06	U
Bromomethane	50	0.776	U	0.776	U	0.776	U	0.776	U	7.76	U	0.776	U
Carbon disulfide	7,000	**0.789**		0.622	U	**3.02**		**0.715**		6.22	U	0.622	U
Carbon tetrachloride	16	1.26	U	1.26	U	1.26	U	1.26	U	12.6	U	1.26	U
Chlorobenzene	600	0.92	U	0.92	U	0.92	U	0.92	U	9.2	U	0.92	U
Chloroethane	100,000	0.527	U	0.527	U	0.527	U	0.527	U	5.27	U	0.527	U
Chloroform	11	0.976	U	**5.72**		**21.5**		**1.94**		9.76	U	0.976	U
Chloromethane	240	0.413	U	0.413	U	**0.42**		0.413	U	4.13	U	0.413	U
cis-1,3-Dichloropropene	NS	0.907	U	0.907	U	0.907	U	0.907	U	9.07	U	0.907	U
Cyclohexane	NS	**0.942**		**0.965**		**1.95**		**1.37**		6.88	U	**1.05**	
Dibromochloromethane	10	1.7	U	1.7	U	1.7	U	1.7	U	17	U	1.7	U
Dichlorodifluoromethane	2,000	**5.34**		**4.78**		**9.56**		**3.46**		9.88	U	**2.78**	
Ethanol	NS	**8.78**		**11.8**		**17**		**18.2**		**206**		**18**	
Ethyl Acetate	320,000	1.8	U	1.8	U	1.8	U	1.8	U	18	U	1.8	U
Ethylbenzene	220	**2.55**		**3.06**		**3.95**		**3.86**		8.68	U	**7.92**	
Freon-113	300,000	1.53	U	1.53	U	**1.66**		**1.65**		15.3	U	1.53	U
Freon-114	NS	**1.79**		1.4	U	**1.96**		1.4	U	14	U	1.4	U
Hexachlorobutadiene	11	0.819	U	0.819	U	**0.887**		**1.21**		8.19	U	**1.49**	
Isopropanol	NS	2.13	U	2.13	U	2.13	U	2.13	U	21.3	U	2.13	U
Methylene chloride	520	1.23	U	1.23	U	1.23	U	**3.75**		**130**		**2.74**	
Methyl tert butyl ether	30,000	0.72	U	0.72	U	0.72	U	0.72	U	7.2	U	0.72	U
p/m-Xylene	70,000	1.74	U	1.74	U	1.74	U	1.74	U	17.4	U	1.74	U
o-Xylene	70,000	0.704	U	0.704	U	**1.42**		**0.872**		7.04	U	**0.909**	
Heptane	NS	**3.53**		**3.88**		**5.16**		**5**		8.68	U	**9.74**	
n-Hexane	2,000	**8.63**		**9.6**		**12.2**		**12**		17.4	U	**26.3**	
Propylene	NS	0.344	U	0.344	U	**2.1**		**3.28**		**270**		**2.92**	
Styrene	10,000	**4.03**		**4.14**		**5.05**		**4.62**		8.51	U	**3.9**	
Tetrahydrofuran	NS	0.589	U	0.589	U	0.589	U	0.589	U	5.89	U	0.589	U
Toluene	4,000	**7.34**		**8.22**		**10.9**		**10.7**		**14.1**		**11**	
trans-1,3-Dichloropropene	NS	0.907	U	0.907	U	0.907	U	0.907	U	9.07	U	0.907	U
Trichlorofluoromethane	7,000	**2.52**		**6.38**		**18.3**		**4.62**		11.2	U	**1.83**	
Vinyl acetate	2,000	0.704	U	0.704	U	0.704	U	0.704	U	7.04	U	0.704	U
Vinyl bromide	NS	0.874	U	0.874	U	0.874	U	0.874	U	8.74	U	0.874	U

Notes:
All units are ug/m^3

[1]Target Shallow Soil Gas Concentrations, USEPA Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soil (Subsurface Vapor Intrusion Guidance) Table 2b Risk = 1 x 10^{-5}

U - Analyte not detected at or above the reporting limit

J - Estimated value

NS - No standard or guidance value established

Bold text indicates compounds above the laboratory MDL

Yellow highlighting indicates exceedence of USEPA Target Shallow Soil Gas Concentration

Table 16
Soil Vapor Sample Analytical Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	Target	PWG-SG-2008-07		PWG-SG-2008-08		PWG-SG-2008-09		PWG-SG-2008-10		PWG-SG-2008-11		PWG-SG-2008-12	
SAMPLING DATE:	Shallow	9/10/08		9/10/08		9/10/08		9/10/08		9/10/08		9/10/08	
LAB SAMPLE ID:	Soil-Gas	L0813541-07		L0813541-08		L0813541-09		L0813541-10		L0813541-11		L0813541-12	
SAMPLE DEPTH:	Concentration[1]	5.5'		5.5'		5.5'		5.5'		5.5'		5.5'	
Volatile Organics by TO-15													
Tetrachloroethene	81	**62.2**		**4.09**		**9660**		13.6	U	**1680000**		**156**	
Trichloroethene	2.2	10.7	U	**1.36**		**29.7**		10.7	U	**19100**		**3.38**	
cis-1,2-Dichloroethene	350	7.92	U	0.792	U	19.8	U	7.92	U	**33500**		0.792	U
trans-1,2-Dichloroethene	700	7.92	U	0.792	U	19.8	U	7.92	U	**1340**		0.792	U
1,1-Dichloroethene	NS	7.92	U	0.792	U	19.8	U	7.92	U	205	U	0.792	U
Vinyl chloride	28	5.11	U	0.511	U	12.8	U	5.11	U	132	U	0.511	U
1,1,2,2-Tetrachloroethane	4.2	13.7	U	1.37	U	34.3	U	13.7	U	355	U	1.37	U
1,1,1-Trichloroethane	22,000	10.9	U	1.09	U	27.2	U	10.9	U	282	U	**16.8**	
1,1,2-Trichloroethane	15	10.9	U	1.09	U	27.2	U	10.9	U	282	U	1.09	U
1,1-Dichloroethane	9.4	8.09	U	0.809	U	20.2	U	8.09	U	209	U	0.809	U
1,2,4-Trichlorbenzene	NS	14.8	U	1.48	U	37.1	U	14.8	U	384	U	1.48	U
1,2,4-Trimethylbenzene	60	9.82	U	**3.88**		24.6	U	9.82	U	254	U	**5.95**	
1,2-Dibromoethane	1.1	15.4	U	1.54	U	38.4	U	15.4	U	397	U	1.54	U
1,2-Dichlorobenzene	2,000	12	U	1.2	U	30	U	12	U	311	U	1.2	U
1,2-Dichloroethane	9.4	8.09	U	0.809	U	20.2	U	8.09	U	209	U	0.809	U
1,2-Dichloropropane	40	9.24	U	0.924	U	23.1	U	9.24	U	239	U	0.924	U
1,3,5-Trimethybenzene	60	9.82	U	**1.85**		24.6	U	9.82	U	254	U	**2.71**	
1,3-Butadiene	0.87	4.42	U	0.442	U	11	U	4.42	U	114	U	0.442	U
1,3-Dichlorobenzene	1,100	12	U	1.2	U	30	U	12	U	311	U	1.2	U
1,4-Dichlorobenzene	8,000	**22.8**		**24.3**		30	U	**20.1**		311	U	**40.1**	
1,4-Dioxane	NS	7.2	U	0.72	U	18	U	7.2	U	186	U	0.72	U
2,2,4-Trimethylpentane	NS	9.34	U	0.934	U	23.3	U	9.34	U	241	U	0.934	U
2-Butanone	10,000	**749**		**12.4**		**388**		**299**		152	U	**2.82**	
2-Hexanone	NS	**22.8**		**3.84**		20.5	U	**9.18**		212	U	0.819	U
3-Chloropropene	NS	6.26	U	0.626	U	15.6	U	6.26	U	162	U	0.626	U
4-Ethyltoluene	NS	9.82	U	0.982	U	24.6	U	9.82	U	254	U	0.982	U
4-Methyl-2-pentanone	800	8.19	U	0.819	U	20.5	U	8.19	U	212	U	0.819	U
Acetone	3,500	**3870**		**36**		**2280**		**1630**		307	U	**16.2**	
Benzene	31	6.38	U	0.638	U	16	U	6.38	U	165	U	0.638	U
Benzyl chloride	50	10.3	U	1.03	U	25.9	U	10.3	U	268	U	1.03	U
Bromodichloromethane	14	13.4	U	1.34	U	33.5	U	13.4	U	346	U	1.34	U
Bromoform	220	20.6	U	2.06	U	51.6	U	20.6	U	534	U	2.06	U
Bromomethane	50	7.76	U	0.776	U	19.4	U	7.76	U	201	U	0.776	U
Carbon disulfide	7,000	6.22	U	0.622	U	15.6	U	6.22	U	161	U	0.622	U
Carbon tetrachloride	16	12.6	U	1.26	U	31.4	U	12.6	U	325	U	1.26	U
Chlorobenzene	600	9.2	U	0.92	U	23	U	9.2	U	238	U	0.92	U
Chloroethane	100,000	5.27	U	0.527	U	13.2	U	5.27	U	136	U	0.527	U
Chloroform	11	9.76	U	0.976	U	24.4	U	9.76	U	**362**		**1.25**	
Chloromethane	240	4.13	U	0.413	U	10.3	U	4.13	U	107	U	0.413	U
cis-1,3-Dichloropropene	NS	9.07	U	0.907	U	22.7	U	9.07	U	234	U	0.907	U
Cyclohexane	NS	6.88	U	**0.975**		17.2	U	6.88	U	178	U	**1.07**	
Dibromochloromethane	10	17	U	1.7	U	42.6	U	17	U	440	U	1.7	U
Dichlorodifluoromethane	2,000	9.88	U	**2.95**		24.7	U	9.88	U	256	U	**3.55**	
Ethanol	NS	**455**		**8.23**		**240**		**136**		1220	U	**17.5**	
Ethyl Acetate	320,000	18	U	1.8	U	45	U	18	U	466	U	1.8	U
Ethylbenzene	220	8.68	U	**3.18**		21.7	U	8.68	U	224	U	**2.93**	
Freon-113	300,000	15.3	U	1.53	U	38.3	U	15.3	U	**869**		1.53	U
Freon-114	NS	14	U	1.4	U	34.9	U	14	U	361	U	1.4	U
Hexachlorobutadiene	11	8.19	U	0.819	U	20.5	U	8.19	U	212	U	0.819	U
Isopropanol	NS	21.3	U	2.13	U	53.3	U	21.3	U	551	U	2.13	U
Methylene chloride	520	**232**		**1.28**		**185**		**26.9**		318	U	1.23	U
Methyl tert butyl ether	30,000	7.2	U	0.72	U	18	U	7.2	U	186	U	0.72	U
p/m-Xylene	70,000	17.4	U	**3.08**		43.4	U	17.4	U	449	U	1.74	U
o-Xylene	70,000	7.04	U	**1.02**		17.6	U	7.04	U	182	U	0.704	U
Heptane	NS	8.68	U	**4.11**		21.7	U	8.68	U	224	U	**3.8**	
n-Hexane	2,000	**22.7**		**10**		43.4	U	17.4	U	449	U	**9.3**	
Propylene	NS	**390**		**1.64**		**406**		**163**		88.9	U	0.344	U
Styrene	10,000	8.51	U	**3.02**		21.3	U	8.51	U	220	U	**4.36**	
Tetrahydrofuran	NS	5.89	U	0.589	U	14.7	U	5.89	U	152	U	0.589	U
Toluene	4,000	**10.6**		**7.07**		18.8	U	**10.9**		195	U	**7.76**	
trans-1,3-Dichloropropene	NS	9.07	U	0.907	U	22.7	U	9.07	U	234	U	0.907	U
Trichlorofluoromethane	7,000	11.2	U	**1.88**		28.1	U	11.2	U	290	U	**2.72**	
Vinyl acetate	2,000	7.04	U	0.704	U	17.6	U	7.04	U	182	U	0.704	U
Vinyl bromide	NS	8.74	U	0.874	U	21.8	U	8.74	U	226	U	0.874	U

Notes:
All units are ug/m^3

[1]Target Shallow Soil Gas Concentrations, USEPA Draft Guida
Guidance) Table 2b Risk = 1 x 10^{-5}

U - Analyte not detected at or above the reporting limit

J - Estimated value

NS - No standard or guidance value established

Bold text indicates compounds above the laboratory MDL

Yellow highlighting indicates exceedence of USEPA Target Sl

Table 17
Public Supply Well Construction Details
Former Darby Drugs Distribution Center

Water District	Well No.	Distance	Aquifer	Status	Depth	Screen Depth	Capacity	Layer ?	Well Pos.
Rockville Centre Village	N-00050	1,303	Magothy	NU	513	442	1100	Unk.	downgradient
Rockville Centre Village	N-05194	1,540	Magothy	YR	515	455	1200	Unk.	downgradient
Rockville Centre Village	N-05195	1,658	Magothy	YR	505	444	1200	Unk.	downgradient
Long Island Water	N-05656	1,895	Magothy	YR	495	445	1390	Unk.	crossgradient
Long Island Water	N-07521	1,824	Magothy	YR	555	445	1400	Unk.	crossgradient

Notes:
Public Supply Wells within 1/2 mile upgradient/crossgradient or 1 mile downgradient of the site
NA = Not Applicable
YR = Year Round
NU = Not in Use
SS = Seasonal
AB = Abandoned

Table 18
Groundwater QA/QC Sample Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE TYPE	AWQS*	Blind Duplicate		Blind Duplicate		Blind Duplicate	Field Blank	Field Blank
SAMPLE ID		PWG-GW-2008-04	PWG.GW.2008.24	DIFFW-01	DIFFW-100	DUP-01	FB-01	FB090308 (GW)
LAB SAMPLE ID		L0813196-11	L0813196-12	L0814755-07	L0814755-10	L0911697-03	L0812845-10	L0813196-15
SAMPLING DATE		9/3/2008	9/3/2008	10/6/2008	10/6/2008	8/20/2009	8/26/2008	9/3/2008
SAMPLE DEPTH (ft.)							Groundwater	Groundwater
Volatile Organics by EPA 8260B								
Tetrachloroethene	5	0.5 U	0.5 U	**1.3**	**1.3**	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	**2.3**	**2.3**	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U	**32**	**32**	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	2	1 U	1 U	1 U	**1.6**	1 U	1 U	1 U
1,1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
1,3,5-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50*	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether	10	1 U	1 U	**7.8**	**8**	1 U	1 U	1 U
Methylene chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10*	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U
n-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	5	2.5 U	0.5 U	2.5 U	2.5 U	0.5 U	0.5 U	2.5 U
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
p/m-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	2.5 U
p-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	2.5 U	0.5 U
p-Isopropyltoluene	5	1 U	1 U	1 U	1 U	0.5 U	0.5 U	1 U
sec-Butylbenzene	5	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Toluene	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Notes:
All units are µg/L (ppb)
[4]Class GA Ambient Water Quality Standard (AWQS), NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, Ju
* Guidance Value
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Yellow highlighting indicates exceedance of Ambient Water Quality Standard
Green highlighting indicates exceedence of Ambient Water Quality Guidance Value

Table 18
Groundwater QA/QC Sample Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE TYPE	AWQS*	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank
SAMPLE ID		FB090308 (SOIL)	FB090408(GW)	FB090408 (SOIL)	FB090508 (SOIL)	FB090808	FB100308-01	FIELD BLANK
LAB SAMPLE ID		L0813196-07	L0813196-17	L0813196-40	L0813196-39	9/8/2008	L0814755-11	L0911697-11
SAMPLING DATE		9/3/2008	9/4/2008	9/4/2008	9/5/2008	L0813344-01	10/3/2008	8/20/2009
SAMPLE DEPTH (ft.)		Soil	Groundwater	Soil	Soil	Soil	Groundwater	Groundwater
Volatile Organics by EPA 8260B								
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
1,3,5-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50*	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
n-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
p/m-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U
p-Chlorotoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U
p-Isopropyltoluene	5	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U
sec-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Toluene	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Notes:
All units are µg/L (ppb)
[4]Class GA Ambient Water Quality Standard (AWQS), NYIne 1998
* Guidance Value
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory M
Yellow highlighting indicates exceedance of Ambient W
Green highlighting indicates exceedence of Ambient W

Table 19
Groundwater QA/QC Sample Data Summary
Semi-Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE TYPE	AWQS*	Blind Duplicate		Field Blank	
SAMPLE ID		DIFFW-01	DIFFW-100	FB100308-01	
LAB SAMPLE ID		L0814755-07	L0814755-10	L0814755-11	
SAMPLING DATE		10/6/2008	10/6/2008	10/3/2008	
SAMPLE DEPTH (ft.)					
Semivolatile Organics by EPA 8270C					
1,2,4,5-Tetrachlorobenzene	5	19 U	20 U	20 U	
1,2,4-Trichlorobenzene	5	4.8 U	5 U	5 U	
1,2-Dichlorobenzene	3	4.8 U	5 U	5 U	
1,3-Dichlorobenzene	3	4.8 U	5 U	5 U	
1,4-Dichlorobenzene	3	4.8 U	5 U	5 U	
2,4,5-Trichlorophenol	1	4.8 U	5 U	5 U	
2,4,6-Trichlorophenol	1	4.8 U	5 U	5 U	
2,4-Dichlorophenol	1	9.5 U	10 U	10 U	
2,4-Dimethylphenol	1	9.5 U	10 U	10 U	
2,4-Dinitrophenol	1	28 U	30 U	30 U	
2,4-Dinitrotoluene	5	5.7 U	6 U	6 U	
2,6-Dinitrotoluene	5	4.8 U	5 U	5 U	
2-Chloronaphthalene	10*	5.7 U	6 U	6 U	
2-Chlorophenol	NS	5.7 U	6 U	6 U	
2-Methylnaphthalene	NS	4.8 U	5 U	5 U	
2-Methylphenol	NS	5.7 U	6 U	6 U	
2-Nitroaniline	5	4.8 U	5 U	5 U	
2-Nitrophenol	1	19 U	20 U	20 U	
3,3'-Dichlorobenzidine	5	48 U	50 U	50 U	
3-Methylphenol/4-Methylphenol	NS	5.7 U	6 U	6 U	
3-Nitroaniline	5	4.8 U	5 U	5 U	
4,6-Dinitro-o-cresol	NS	19 U	20 U	20 U	
4-Bromophenyl phenyl ether	NS	4.8 U	5 U	5 U	
4-Chloroaniline	5	4.8 U	5 U	5 U	
4-Chlorophenyl phenyl ether	NS	4.8 U	5 U	5 U	
4-Nitroaniline	5	6.7 U	7 U	7 U	
4-Nitrophenol	1	9.5 U	10 U	10 U	
Acenaphthene	20*	4.8 U	5 U	5 U	
Acenaphthylene	NS	4.8 U	5 U	5 U	
Acetophenone	NS	19 U	20 U	20 U	
Anthracene	50*	4.8 U	5 U	5 U	
Benzo(a)anthracene	0.002*	4.8 U	5 U	5 U	
Benzo(a)pyrene	0.002*	4.8 U	5 U	5 U	
Benzo(b)fluoranthene	0.002*	4.8 U	5 U	5 U	
Benzo(ghi)perylene	NS	4.8 U	5 U	5 U	
Benzo(k)fluoranthene	0.002*	4.8 U	5 U	5 U	
Benzoic Acid	NS	48 U	50 U	50 U	
Benzyl Alcohol	NS	9.5 U	10 U	10 U	
Biphenyl	5	4.8 U	5 U	5 U	
Bis(2-chloroethoxy)methane	5	4.8 U	5 U	5 U	
Bis(2-chloroethyl)ether	1	4.8 U	5 U	5 U	
Bis(2-chloroisopropyl)ether	NS	4.8 U	5 U	5 U	
Bis(2-Ethylhexyl)phthalate	5	4.8 U	5 U	5 U	
Butyl benzyl phthalate	50*	4.8 U	5 U	5 U	
Carbazole	NS	4.8 U	5 U	5 U	
Chrysene	0.002*	4.8 U	5 U	5 U	
Dibenzo(a,h)anthracene	NS	4.8 U	5 U	5 U	
Dibenzofuran	NS	4.8 U	5 U	5 U	
Diethyl phthalate	50*	4.8 U	5 U	5 U	
Dimethyl phthalate	50*	4.8 U	5 U	5 U	
Di-n-butylphthalate	50	4.8 U	5 U	5 U	
Di-n-octylphthalate	50*	4.8 U	5 U	5 U	
Fluoranthene	50*	4.8 U	5 U	5 U	
Fluorene	50*	4.8 U	5 U	5 U	
Hexachlorobenzene	0.04	4.8 U	5 U	5 U	
Hexachlorobutadiene	0.5	9.5 U	10 U	10 U	
Hexachlorocyclopentadiene	5	28 U	30 U	30 U	
Hexachloroethane	5	4.8 U	5 U	5 U	
Indeno(1,2,3-cd)Pyrene	0.002*	6.7 U	7 U	7 U	
Isophorone	50*	4.8 U	5 U	5 U	
Naphthalene	10*	4.8 U	5 U	5 U	
Nitrobenzene	0.4	4.8 U	5 U	5 U	
NitrosoDiPhenylAmine(NDPA)/DPA	50*	14 U	15 U	15 U	
n-Nitrosodi-n-propylamine	NS	4.8 U	5 U	5 U	
P-Chloro-M-Cresol	NS	4.8 U	5 U	5 U	
Pentachlorophenol	1	9.5 U	10 U	10 U	
Phenanthrene	50*	4.8 U	5 U	5 U	
Phenol	1	6.7 U	7 U	7 U	
Pyrene	50*	4.8 U	5 U	5 U	
Semivolatile Organics by EPA 8270C-SIM					
2-Chloronaphthalene	10*	0.19 U	0.2 U	0.2 U	
2-Methylnaphthalene	NS	0.19 U	0.2 U	0.2 U	
Acenaphthene	20*	0.19 U	0.2 U	0.2 U	
Acenaphthylene	NS	0.19 U	0.2 U	0.2 U	
Anthracene	50*	0.19 U	0.2 U	0.2 U	
Benzo(a)anthracene	0.002*	0.19 U	0.2 U	0.2 U	
Benzo(a)pyrene	0.002*	0.19 U	0.2 U	0.2 U	
Benzo(b)fluoranthene	0.002*	0.19 U	0.2 U	0.2 U	
Benzo(ghi)perylene	NS	0.19 U	0.2 U	0.2 U	
Benzo(k)fluoranthene	0.002*	0.19 U	0.2 U	0.2 U	
Chrysene	0.002*	0.19 U	0.2 U	0.2 U	
Dibenzo(a,h)anthracene	NS	0.19 U	0.2 U	0.2 U	
Fluoranthene	50*	0.19 U	0.2 U	0.2 U	
Fluorene	50*	0.19 U	0.2 U	0.2 U	
Hexachlorobenzene	0.04	0.76 U	0.8 U	0.8 U	
Hexachlorobutadiene	0.5	0.48 U	0.5 U	0.5 U	
Hexachloroethane	5	0.76 U	0.8 U	0.8 U	
Indeno(1,2,3-cd)Pyrene	0.002*	0.19 U	0.2 U	0.2 U	
Naphthalene	10*	0.19 U	0.2 U	0.2 U	
Pentachlorophenol	1	0.76 U	0.8 U	0.8 U	
Phenanthrene	50*	0.19 U	0.2 U	0.2 U	
Pyrene	50*	0.19 U	0.2 U	0.2 U	

Notes:
All units are µg/L (ppb)
*Class GA Ambient Water Quality Standard (AWQS), NYSDEC Technical and Operational Guidance Series (TOGS) 1
* Guidance Value
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Yellow highlighting indicates exceedance of Ambient Water Quality Standard
Green highlighting indicates exceedence of Ambient Water Quality Guidance Value

Table 20
Groundwater QA/QC Sample Data Summary
Pesticides/PCBs/Metals
Former Darby Drugs Distribution Center

SAMPLE TYPE	AWQS[1]	Blind Duplicate		Blind Duplicate	Field Bank
SAMPLE ID		DIFFW-01	DIFFW-100	DUP-02	FB100308-01
LAB SAMPLE ID		L0814755-07	L0814755-10	L0911697-07	L0814755-11
SAMPLING DATE		10/6/2008	10/6/2008	8/20/2009	10/3/2008
SAMPLE DEPTH (ft.)					
Organochlorine Pesticides by EPA 8081A					
4,4'-DDD	0.3	0.043 U	0.045 U	NA	0.053 U
4,4'-DDE	0.2	0.043 U	0.045 U	NA	0.053 U
4,4'-DDT	0.2	0.043 U	0.045 U	NA	0.053 U
Aldrin	NS	0.021 U	0.023 U	NA	0.026 U
Alpha-BHC	0.01	0.043 U	0.023 U	NA	0.026 U
Beta-BHC	0.04	0.021 U	0.023 U	NA	0.026 U
Chlordane	0.05	0.021 U	0.227 U	NA	0.263 U
Delta-BHC	0.04	0.043 U	0.023 U	NA	0.026 U
Dieldrin	0.004	0.021 U	0.045 U	NA	0.053 U
Endosulfan I	NS	0.043 U	0.023 U	NA	0.026 U
Endosulfan II	NS	0.021 U	0.045 U	NA	0.053 U
Endosulfan sulfate	NS	0.021 U	0.045 U	NA	0.053 U
Endrin	NS	0.021 U	0.045 U	NA	0.053 U
Endrin ketone	5	0.043 U	0.045 U	NA	0.053 U
Heptachlor	0.04	0.021 U	0.023 U	NA	0.026 U
Heptachlor epoxide	0.03	0.213 U	0.023 U	NA	0.026 U
Lindane	0.05	0.043 U	0.023 U	NA	0.026 U
Methoxychlor	35	0.021 U	0.227 U	NA	0.263 U
trans-Chlordane	NS	0.213 U	0.023 U	NA	0.026 U
Polychlorinated Biphenyls by EPA 8082					
Aroclor 1016	0.09	0.1 U	0.1 U	NA	0.1 U
Aroclor 1221	0.09	0.1 U	0.1 U	NA	0.1 U
Aroclor 1232	0.09	0.1 U	0.1 U	NA	0.1 U
Aroclor 1242	0.09	0.1 U	0.1 U	NA	0.1 U
Aroclor 1248	0.09	0.1 U	0.1 U	NA	0.1 U
Aroclor 1254	0.09	0.1 U	0.1 U	NA	0.1 U
Aroclor 1260	0.09	0.1 U	0.1 U	NA	0.1 U
Total Metals					
Aluminum	NS	**2,100**	**1,800**	0.10 U	100 U
Antimony	3	50 U	50 U	0.050 U	50 U
Arsenic	25	100 U	100 U	0.005 U	5 U
Barium	1000	**62**	**60**	**0.013**	10 U
Beryllium	3*	5 U	5 U	0.005 U	5 U
Cadmium	5	**9**	**7**	0.005 U	5 U
Calcium	NS	**20,000**	**20,000**	**11**	100 U
Chromium	50	**40**	**30**	0.01 U	10 U
Cobalt	NS	**34**	**30**	0.020 U	20 U
Copper	200	**726**	**622**	0.010 U	10 U
Iron	300	**340,000**	**300,000**	0.05 U	50 U
Lead	25	**12**	**11**	0.010 U	10 U
Magnesium	35000*	**15,000**	**15,000**	**5.0**	100 U
Manganese	300	**4,740**	**4,370**	**0.057**	10 U
Mercury	0.7	**0.2**	0.2 U	0.0002 U	0.2 U
Nickel	100	25 U	25 U	0.025 U	25 U
Potassium	NS	**4,200**	**4,100**	**3.4**	2,500 U
Selenium	10	10 U	10 U	0.01 U	10 U
Silver	50	7 U	7 U	0.007 U	7 U
Sodium	20000	**25,000**	**25,000**	**21**	2,000 U
Thallium	0.5*	20 U	20 U	0.020 U	20 U
Vanadium	NS	10 U	10 U	0.010 U	10 U
Zinc	2000*	**670**	**589**	0.050 U	50 U

Notes:
All units are µg/L (ppb)

[1]Class GA Ambient Water Quality Standard (AWQS), NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998

* Guidance Value

U - Analyte not detected above the laboratory MDL

J - Estimated value

NS - No standard established

NA - Not analyzed

Bold text indicates compounds above the laboratory MDL

Yellow highlighting indicates exceedance of Ambient Water Quality Standard

Green highlighting indicates exceedence of Ambient Water Quality Guidance Value

Table 21
Soil QA/QC Sample Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE TYPE	Unrestricted SCO[1]	Restricted Residential SCO[2]	Blind Duplicate		Blind Duplicate		Blind Duplicate		Blind Duplicate	
SAMPLE ID			PWG-SB-2008-01	PWG.SB.2008.21	PWG-SB-2008-12	PWG.SB.2008.22	PWG-DW-2008-15	PWG-DW-2008-100	PWG-DW-2008-34	PWG-DW-2008-101
LAB SAMPLE ID			L0813196-20	L0813196-21	L0813196-36	L0813196-37	L0813344-18	L0813344-19	L0813447-08	L0813447-10
SAMPLING DATE			9/4/2008	9/4/2008	9/5/2008	9/5/2008	9/8/2008	9/8/2008	9/10/2008	9/10/2008
SAMPLE DEPTH (ft.)			5-10	5-10	5-10	5-10	7-7.5	7-7.5	5.5-6	5.5-6
Volatile Organics by EPA 8260B										
Tetrachloroethene	1,300	19,000	3.1 U	2.6 U	2.8 U	2.7 U	**120**	**110**	3.8 U	3.9 U
Trichloroethene	470	21,000	3.1 U	2.6 U	2.8 U	2.7 U	11	3 U	3.8 U	3.9 U
cis-1,2-Dichloroethene	250	100,000	3.1 U	2.6 U	2.8 U	2.7 U	28	3 U	3.8 U	3.9 U
trans-1,2-Dichloroethene	190	100,000	4.6 U	3.9 U	4.3 U	4 U	4.5 U	4.5 U	5.7 U	5.8 U
1,1-Dichloroethene	330	100,000	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	3.9 U
Vinyl chloride	20	900	6.2 U	5.2 U	5.7 U	5.4 U	26	6 U	7.6 U	7.8 U
1,1,1,2-Tetrachloroethane	NS	NS	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	3.9 U
1,1,1-Trichloroethane	680	100,000	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	3.9 U
1,1,2,2-Tetrachloroethane	NS	NS	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	3.9 U
1,1,2-Trichloroethane	NS	NS	4.6 U	3.9 U	4.3 U	4 U	4.5 U	4.5 U	5.7 U	5.8 U
1,1-Dichloroethane	270	26,000	4.6 U	3.9 U	4.3 U	4 U	4.5 U	4.5 U	5.7 U	5.8 U
1,1-Dichloropropene	NS	NS	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
1,2,3-Trichlorobenzene	NS	NS	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
1,2,3-Trichloropropane	NS	NS	31 U	26 U	28 U	27 U	30 U	30 U	38 U	39 U
1,2,4,5-Tetramethylbenzene	NS	NS	12 U	10 U	11 U	11 U	12 U	12 U	15 U	**31**
1,2,4-Trichlorobenzene	NS	NS	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
1,2,4-Trimethylbenzene	3,600	52,000	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
1,2-Dibromo-3-chloropropane	NS	NS	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
1,2-Dibromoethane	NS	NS	12 U	10 U	11 U	11 U	12 U	12 U	15 U	16 U
1,2-Dichlorobenzene	1,100	100,000	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
1,2-Dichloroethane	20	3,100	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	3.9 U
1,2-Dichloropropane	NS	NS	11 U	9.1 U	9.9 U	9.4 U	10 U	10 U	13 U	14 U
1,3,5-Trimethylbenzene	8,400	52,000	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
1,3-Dichlorobenzene	2,400	49,000	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
1,3-Dichloropropane	NS	NS	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
1,4-Dichlorobenzene	1,800	13,000	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
1,4-Diethylbenzene	NS	NS	12 U	10 U	11 U	11 U	12 U	12 U	15 U	16 U
2,2-Dichloropropane	NS	NS	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
2-Butanone	120	100,000	31 U	26 U	28 U	27 U	30 U	30 U	38 U	**59**
2-Hexanone	NS	NS	31 U	26 U	28 U	27 U	30 U	30 U	38 U	39 U
4-Ethyltoluene	NS	NS	12 U	10 U	11 U	11 U	12 U	12 U	15 U	16 U
4-Methyl-2-pentanone	NS	NS	31 U	26 U	28 U	27 U	30 U	30 U	38 U	39 U
Acetone	50	100,000	31 U	26 U	28 U	27 U	30 U	30 U	**48**	**190**
Acrylonitrile	NS	NS	31 U	26 U	28 U	27 U	30 U	30 U	38 U	39 U
Benzene	60	4,800	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	3.9 U
Bromobenzene	NS	NS	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
Bromochloromethane	NS	NS	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
Bromodichloromethane	NS	NS	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	3.9 U
Bromoform	NS	NS	12 U	10 U	11 U	11 U	12 U	12 U	15 U	16 U
Bromomethane	NS	NS	6.2 U	5.2 U	5.7 U	5.4 U	6 U	6 U	7.6 U	7.8 U
Carbon disulfide	NS	NS	31 U	26 U	28 U	27 U	30 U	30 U	38 U	39 U
Carbon tetrachloride	760	2,400	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	3.9 U
Chlorobenzene	1,100	100,000	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	3.9 U
Chloroethane	NS	NS	6.2 U	5.2 U	5.7 U	5.4 U	6 U	6 U	7.6 U	7.8 U
Chloroform	370	49,000	4.6 U	3.9 U	4.3 U	4 U	4.5 U	4.5 U	5.7 U	5.8 U
Chloromethane	NS	NS	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
cis-1,3-Dichloropropene	NS	NS	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	3.9 U
Dibromochloromethane	NS	NS	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	3.9 U
Dibromomethane	NS	NS	31 U	26 U	28 U	27 U	30 U	30 U	38 U	39 U
Dichlorodifluoromethane	NS	NS	31 U	26 U	28 U	27 U	30 U	30 U	38 U	39 U
Ethylbenzene	1,000	41,000	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	3.9 U
Hexachlorobutadiene	NS	NS	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
Isopropylbenzene	NS	NS	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	**28**
Methyl tert butyl ether	930	100,000	6.2 U	5.2 U	5.7 U	5.4 U	6 U	6 U	7.6 U	7.8 U
Methylene chloride	50	100,000	31 U	26 U	28 U	27 U	30 U	30 U	38 U	39 U
Naphthalene	NS	NS	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	**13**
n-Butylbenzene	12,000	NS	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	**16**
n-Propylbenzene	3,900	100,000	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
o-Chlorotoluene	NS	NS	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
o-Xylene	260	100,000	6.2 U	5.2 U	5.7 U	5.4 U	6 U	6 U	7.6 U	7.8 U
p/m-Xylene	260	100,000	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
p-Chlorotoluene	NS	NS	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	3.9 U
p-Isopropyltoluene	NS	NS	6.2 U	5.2 U	5.7 U	5.4 U	6 U	6 U	7.6 U	7.8 U
sec-Butylbenzene	11,000	100,000	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	**16**
Styrene	NS	NS	6.2 U	5.2 U	5.7 U	5.4 U	6 U	6 U	7.6 U	7.8 U
tert-Butylbenzene	5,900	NS	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
Toluene	700	100,000	4.6 U	3.9 U	4.3 U	4 U	4.5 U	4.5 U	5.7 U	5.8 U
trans-1,3-Dichloropropene	NS	100,000	3.1 U	2.6 U	2.8 U	2.7 U	3 U	3 U	3.8 U	3.9 U
Trichlorofluoromethane	NS	NS	15 U	13 U	14 U	13 U	15 U	15 U	19 U	20 U
Vinyl acetate	NS	NS	31 U	26 U	28 U	27 U	30 U	30 U	38 U	39 U

Notes:
All concentrations are µg/kg (ppb)
[1]Unrestricted Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 200
[2]Restricted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 200
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 22
Soil QA/QC Sample Data Summary
Semi-Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE TYPE	Unrestricted SCO[a]	Restricted Residential SCO[b]	Blind Duplicate		Blind Duplicate		Blind Duplicate	
SAMPLE ID			PWG-SB-2008-01	PWG-SB-2008-21	PWG-DW-2008-15	PWG-DW-2008-100	PWG-DW-2008-34	PWG-DW-2008-101
LAB SAMPLE ID			L0813196-20	9/4/2008	L0813344-18	L0813344-19	L0813447-08	L0813447-10
SAMPLING DATE			9/4/2008	L0813196-21	9/8/2008	9/8/2008	9/10/2008	9/10/2008
SAMPLE DEPTH (ft.)			5-10	5-10	7-7.5	7-7.5	5.5-6	5.5-6
Semivolatile Organics by EPA 8270C								
1,2,4,5-Tetrachlorobenzene	NS	NS	1600 U	1400 U	1,600 U	1,600 U	30,000 U	31,000 U
1,2,4-Trichlorobenzene	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
1,2-Dichlorobenzene	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
1,3-Dichlorobenzene	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
1,4-Dichlorobenzene	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
2,4,5-Trichlorophenol	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
2,4,6-Trichlorophenol	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
2,4-Dichlorophenol	NS	NS	820 U	690 U	790 U	800 U	15,000 U	16,000 U
2,4-Dimethylphenol	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
2,4-Dinitrophenol	NS	NS	1600 U	1400 U	1,600 U	1,600 U	30,000 U	31,000 U
2,4-Dinitrotoluene	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
2,6-Dinitrotoluene	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
2-Chloronaphthalene	NS	NS	490 U	420 U	480 U	480 U	9,100 U	9,400 U
2-Chlorophenol	NS	NS	490 U	420 U	480 U	480 U	9,100 U	9,400 U
2-Methylnaphthalene	NS	NS	410 U	350 U	400 U	400 U	7,600 U	**8,600**
2-Methylphenol	NS	NS	490 U	420 U	480 U	480 U	9,100 U	9,400 U
2-Nitroaniline	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
2-Nitrophenol	NS	NS	1600 U	1400 U	1,600 U	1,600 U	30,000 U	31,000 U
3,3'-Dichlorobenzidine	NS	NS	820 U	690 U	790 U	800 U	15,000 U	16,000 U
3-Methylphenol/4-Methylphenol	NS	NS	490 U	420 U	480 U	480 U	9,100 U	9,400 U
3-Nitroaniline	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
4,6-Dinitro-o-cresol	NS	NS	1600 U	1400 U	1,600 U	1,600 U	30,000 U	31,000 U
4-Bromophenyl phenyl ether	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
4-Chloroaniline	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
4-Chlorophenyl phenyl ether	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
4-Nitroaniline	NS	NS	580 U	490 U	560 U	560 U	11,000 U	11,000 U
4-Nitrophenol	NS	NS	820 U	690 U	790 U	800 U	15,000 U	16,000 U
Acenaphthene	20000	100000	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Acenaphthylene	100000	100000	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Acetophenone	NS	NS	1600 U	1400 U	1,600 U	1,600 U	30,000 U	31,000 U
Anthracene	100000	100000	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Benzo(a)anthracene	1000	1000	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Benzo(a)pyrene	1000	1000	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Benzo(b)fluoranthene	1000	1000	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Benzo(ghi)perylene	100000	100000	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Benzo(k)fluoranthene	800	3900	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Benzoic Acid	NS	NS	4100 U	3500 U	4,000 U	4,000 U	76,000 U	78,000 U
Benzyl Alcohol	NS	NS	820 U	690 U	790 U	800 U	15,000 U	16,000 U
Biphenyl	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Bis(2-chloroethoxy)methane	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Bis(2-chloroethyl)ether	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Bis(2-chloroisopropyl)ether	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Bis(2-Ethylhexyl)phthalate	NS	NS	820 U	690 U	790 U	800 U	15,000 U	16,000 U
Butyl benzyl phthalate	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Carbazole	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Chrysene	1000	3900	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Di-n-butylphthalate	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Di-n-octylphthalate	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Dibenzo(a,h)anthracene	330	330	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Dibenzofuran	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Diethyl phthalate	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Dimethyl phthalate	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Fluoranthene	100000	100000	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Fluorene	30000	100000	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Hexachlorobenzene	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Hexachlorobutadiene	NS	NS	820 U	690 U	790 U	800 U	15,000 U	16,000 U
Hexachlorocyclopentadiene	NS	NS	820 U	690 U	790 U	800 U	15,000 U	16,000 U
Hexachloroethane	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Indeno(1,2,3-cd)Pyrene	500	500	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Isophorone	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
n-Nitrosodi-n-propylamine	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Naphthalene	12000	100000	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Nitrobenzene	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	1200 U	1000 U	1,200 U	1,200 U	23,000 U	23,000 U
P-Chloro-M-Cresol	NS	NS	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Pentachlorophenol	800	6700	1600 U	1400 U	1,600 U	1,600 U	30,000 U	31,000 U
Phenanthrene	100000	100000	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Phenol	330	100000	580 U	490 U	560 U	560 U	11,000 U	11,000 U
Pyrene	100000	100000	410 U	350 U	400 U	400 U	7,600 U	7,800 U
Semivolatile Organics by EPA 8270C-SIM								
2-Chloronaphthalene	NS	NS	16 U	14 U	79 U	80 U	2,000 U	2,100 U
2-Methylnaphthalene	NS	NS	16 U	14 U	79 U	80 U	**11,000**	**13,000**
Acenaphthene	20000	100000	16 U	14 U	79 U	80 U	2,000 U	2,100 U
Acenaphthylene	100000	100000	16 U	14 U	79 U	80 U	2,000 U	2,100 U
Anthracene	100000	100000	16 U	14 U	79 U	80 U	2,000 U	2,100 U
Benzo(a)anthracene	1000	1000	**48**	**40**	79 U	80 U	2,000 U	2,100 U
Benzo(a)pyrene	1000	1000	**64**	**53**	79 U	80 U	2,000 U	2,100 U
Benzo(b)fluoranthene	1000	1000	**58**	**50**	79 U	80 U	2,000 U	2,100 U
Benzo(ghi)perylene	100000	100000	**51**	**43**	79 U	80 U	2,000 U	2,100 U
Benzo(k)fluoranthene	800	3900	**58**	**48**	79 U	80 U	2,000 U	2,100 U
Chrysene	1000	3900	**55**	**45**	79 U	80 U	2,000 U	2,100 U
Dibenzo(a,h)anthracene	3300	330	16 U	14 U	79 U	80 U	2,000 U	2,100 U
Fluoranthene	100000	100000	**120**	**99**	79 U	**150**	2,000 U	2,100 U
Fluorene	30000	100000	16 U	14 U	79 U	80 U	2,000 U	2,100 U
Hexachlorobenzene	NS	NS	66 U	56 U	320 U	320 U	8,100 U	8,300 U
Hexachlorobutadiene	NS	NS	41 U	35 U	200 U	200 U	5,000 U	5,200 U
Hexachloroethane	NS	NS	66 U	56 U	320 U	320 U	8,100 U	8,300 U
Indeno(1,2,3-cd)Pyrene	500	500	**52**	**44**	79 U	80 U	2,000 U	2,100 U
Naphthalene	12000	100000	16 U	14 U	79 U	80 U	2,000 U	2,100 U
Pentachlorophenol	800	6700	66 U	56 U	320 U	320 U	8,100 U	8,300 U
Phenanthrene	100000	100000	**47**	**56**	79 U	80 U	**2,000**	2,100 U
Pyrene	100000	100000	**120**	**93**	79 U	**160**	2,000 U	2,100 U

Notes:
All concentrations are µg/kg (ppb)
[a]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
[b]Restricted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 23
Soil QA/QC Sample Data Summary
Pesticides/PCBs/Metals
Former Darby Drugs Distribution Center

SAMPLE TYPE	Unrestricted SCO[1]	Restricted Residential SCO[2]	Blind Duplicate		Blind Duplicate		Blind Duplicate	
SAMPLE ID			PWG-SB-2008-01	PWG-SB-2008-21	PWG-DW-2008-15	PWG-DW-2008-100	PWG-DW-2008-34	PWG-DW-2008-101
LAB SAMPLE ID			L0813196-20	9/4/2008	L0813344-18	L0813344-19	L0813447-08	L0813447-10
SAMPLING DATE			9/4/2008	L0813196-21	9/8/2008	9/8/2008	9/10/2008	9/10/2008
SAMPLE DEPTH (ft.)			5-10	5-10	7-7.5	7-7.5	5.5-6	5.5-6
Organochlorine Pesticides by EPA 8081A								
4,4'-DDD	3.3	13000	4.12 U	3.47 U	NA	NA	NA	NA
4,4'-DDE	3.3	8900	4.12 U	3.47 U	NA	NA	NA	NA
4,4'-DDT	3.3	7900	**4.73**	3.47 U	NA	NA	NA	NA
Aldrin	5	97	4.12 U	3.47 U	NA	NA	NA	NA
Alpha-BHC	20	480	4.12 U	3.47 U	NA	NA	NA	NA
Beta-BHC	36	360	4.12 U	3.47 U	NA	NA	NA	NA
Chlordane	94	4200	41.2 U	34.7 U	NA	NA	NA	NA
Delta-BHC	40	100000	4.12 U	3.47 U	NA	NA	NA	NA
Dieldrin	5	200	4.12 U	3.47 U	NA	NA	NA	NA
Endosulfan I	2400	24000	4.12 U	3.47 U	NA	NA	NA	NA
Endosulfan II	2400	24000	4.12 U	3.47 U	NA	NA	NA	NA
Endosulfan sulfate	2400	24000	4.12 U	3.47 U	NA	NA	NA	NA
Endrin	14	11000	4.12 U	3.47 U	NA	NA	NA	NA
Endrin ketone	NS	NS	4.12 U	3.47 U	NA	NA	NA	NA
Heptachlor	42	2100	4.12 U	3.47 U	NA	NA	NA	NA
Heptachlor epoxide	NS	NS	4.12 U	3.47 U	NA	NA	NA	NA
Lindane	100	1300	4.12 U	3.47 U	NA	NA	NA	NA
Methoxychlor	NS	NS	16.5 U	13.9 U	NA	NA	NA	NA
trans-Chlordane	NS	NS	4.12 U	3.47 U	NA	NA	NA	NA
Polychlorinated Biphenyls by EPA 8082								
Aroclor 1016	100	1000	41.2 U	34.7 U	NA	NA	NA	NA
Aroclor 1221	100	1000	41.2 U	34.7 U	NA	NA	NA	NA
Aroclor 1232	100	1000	41.2 U	34.7 U	NA	NA	NA	NA
Aroclor 1242	100	1000	41.2 U	34.7 U	NA	NA	NA	NA
Aroclor 1248	100	1000	41.2 U	34.7 U	NA	NA	NA	NA
Aroclor 1254	100	1000	41.2 U	34.7 U	NA	NA	NA	NA
Aroclor 1260	100	1000	41.2 U	34.7 U	NA	NA	NA	NA
Total Metals								
Aluminum	NS	NS	**4700**	**2900**	**1,700**	**2,100**	**4,200**	**3,900**
Antimony	NS	NS	2.9 U	2.5 U	2.8 U	2.8 U	3.7 U	3.8 U
Arsenic	13	16	**2.2**	**1.2**	**1.3**	**1.4**	**1.3**	**1.1**
Barium	350	400	**40**	**20**	**16**	**15**	**41**	**33**
Beryllium	7.2	72	0.29 U	0.25 U	0.28 U	0.28 U	0.37 U	0.38 U
Cadmium	2.5	4.3	0.58 U	0.5 U	0.57 U	0.56 U	**1.8**	**1.6**
Calcium	NS	NS	**1000**	**500**	**6,600**	**6,400**	**14,000**	**11,000**
Chromium	30	180	**6.4**	**4.9**	**5.2**	**4.5**	**39**	**28**
Cobalt	NS	NS	**2.8**	**2.4**	1.1 U	**1.2**	**3**	**2.6**
Copper	50	270	**9.4**	**5.6**	**4.7**	**5.6**	**35**	**41**
Iron	NS	NS	**7500**	**6400**	**4,600**	**4,600**	**7,900**	**6,100**
Lead	63	400	**87**	**30**	**36**	**32**	**300**	**270**
Magnesium	NS	NS	**690**	**560**	**2,900**	**3,900**	**8,300**	**6,300**
Manganese	1600	2000	**100**	**88**	**47**	**34**	**54**	**60**
Mercury	0.18	0.81	**0.1**	**0.25**	0.09 U	0.09 U	**4.1**	**4.6**
Nickel	30	310	**5.2**	**4.5**	**2**	**2.2**	**14**	**13**
Potassium	NS	NS	**320**	**260**	140 U	140 U	**300**	**250**
Selenium	3.9	180	1.2 U	1 U	1.1 U	1.1 U	1.5 U	1.5 U
Silver	2	180	0.58 U	0.5 U	0.57 U	0.56 U	**4.4**	**0.98**
Sodium	NS	NS	120 U	100 U	110 U	110 U	150 U	150 U
Thallium	NS	NS	1.2 U	1 U	1.1 U	1.1 U	1.5 U	1.5 U
Vanadium	NS	NS	**9.3**	**6.3**	**5.9**	**8.3**	**26**	**25**
Zinc	109	10000	**58**	**24**	**35**	**34**	**270**	**300**

Notes:
All concentrations are µg/kg (ppb)
[1]Unrestriced Use Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
[2]Resticted-Residential Soil Cleanup Objectives (SCO) 6 NYCRR Part 375, Environmental Remediation Programs, December 2006
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Green highlighting indicates exceedance of Unrestricted Use SCO
Yellow highlighting indicates exceedance of Restricted Residential SCO

Table 24
Trip Blank Sample Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	AWQS[1]	TB-01	TB-02	TB090308	TB090808-1	TB090808-2	TB091008
LAB SAMPLE ID		L0812845-09	L0812904-01	L0813196-16	L0813344-02	L0813344-03	L0813447-01
SAMPLING DATE		8/21/2008	8/21/2008	8/19/2008	9/8/2008	8/21/2008	9/10/2008
SAMPLE DEPTH (ft.)							
Volatile Organics by EPA 8260B							
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
1,3,5-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	2 U	2 U	2 U	2 U	2 U	2 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50*	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50*	5 U	5 U	5 U	5 U	5 U	5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U	2 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50*	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50*	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	NS	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether	10	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10*	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	5	0.5 U	0.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U
p/m-Xylene	5	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Chlorotoluene	5	2.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Isopropyltoluene	5	0.5 U	0.5 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Toluene	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 U	5 U	5 U	5 U	5 U	5 U

Notes:
All units are µg/L (ppb)
[1]Class GA Ambient Water Quality Standard (AWQS), NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values an
* Guidance Value
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory MDL
Yellow highlighting indicates exceedance of Ambient Water Quality Standard
Green highlighting indicates exceedence of Ambient Water Quality Guidance Value

Table 24
Trip Blank Sample Data Summary
Volatile Organic Compounds
Former Darby Drugs Distribution Center

SAMPLE ID	AWQS[1]	TB100308-01		TB100308-02		TB100608-03		TB100608-04		TB100608-05		TB100708-01		TRIP BLANK	
LAB SAMPLE ID		L0814755-12		L0814755-13		L0814755-14		L0814755-15		L0814755-16		L0814991-01		L0911697-12	
SAMPLING DATE		10/3/2008		10/3/2008		10/6/2008		10/6/2008		10/6/2008		10/7/2008		8/20/2009	
SAMPLE DEPTH (ft.)															
Volatile Organics by EPA 8260B															
Tetrachloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	5	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,1,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
1,1-Dichloroethane	5	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	5	U	5	U	5	U	5	U	5	U	5	U	5	U
1,2,4,5-Tetramethylbenzene	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	1	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Diethylbenzene	NS	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	50*	5	U	5	U	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50*	5	U	5	U	5	U	5	U	5	U	5	U	5	U
4-Ethyltoluene	NS	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Methyl-2-pentanone	NS	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50*	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acrylonitrile	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50*	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon disulfide	NS	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
Chloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	50*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachlorobutadiene	0.5	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Isopropylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl tert butyl ether	10	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Methylene chloride	5	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Naphthalene	10*	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U
n-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
n-Propylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	0.5	U
o-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
p/m-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	1	U
p-Chlorotoluene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	2.5	U
p-Isopropyltoluene	5	1	U	1	U	1	U	1	U	1	U	1	U	0.5	U
sec-Butylbenzene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Toluene	5	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl acetate	NS	5	U	5	U	5	U	5	U	5	U	5	U	5	U

Notes:
All units are µg/L (ppb)
[1]Class GA Ambient Water Quality Standard (AWQS), NYId Groundwater Effluent Limitations, June 1998
* Guidance Value
U - Analyte not detected above the laboratory MDL
J - Estimated value
NS - No standard established
Bold text indicates compounds above the laboratory M
Yellow highlighting indicates exceedance of Ambient W
Green highlighting indicates exceedence of Ambient W