New York State Department of Environmental Conservation
625 Broadway • Albany, New York 12233-7011

K. P. Edwards/ Americana Laundromat
Site #1-52-210
Bay Shore, New York
Work Assignment # D-004439-10

Site Characterization Report

DECEMBER 2009

Report Prepared By:

Malcolm Pirnie, Inc.

855 Route 146, Suite 210
Clifton Park, New York 12065
518-250-7300

0266366

MALCOLM PIRNIE

Contents

1. Introduction 1-1

1.1. Objective 1-1
1.2. Site Description and History 1-1
1.3. Previous Investigations 1-2

2. Site Characterization Scope of Work 2-1

2.1. Records Review and Database Search 2-1
2.2. Geophysical Survey 2-2
2.3. Sediment, Surface Soil, and Exposed Waste Sampling 2-2
2.4. Subsurface Geological Investigation and Soil Sampling 2-3
2.5. Groundwater Sampling 2-4
2.5.1. Direct-push Groundwater Sampling 2-4
2.5.2. Existing Groundwater Monitoring Well Sampling 2-4
2.6. Soil Vapor Sampling 2-5

3. Investigation Results 3-1

3.1. Geology and Hydrogeology 3-1
3.2. Geophysical Survey 3-1
3.3. Subsurface Soil Sampling 3-2
3.4. Groundwater Sampling 3-3
3.5. Sediment, Surface Soil, and Exposed Waste Sampling 3-5
3.5.1. Sediment and Surface Soil 3-5
3.5.2. Drum Samples (Hubbard Power & Light Property) 3-5
3.6. Soil Vapor Sampling 3-6

4. Summary and Conclusions 4-1

5. References 5-1

Tables

1a. Volatile Organic Compound Concentrations in Soil Samples
1b. Semi-volatile Organic Compound Concentrations in Soil Samples Metals Concentrations in Soil Samples
2. Metals Concentrations in Soil Samples
3a. Volatile Organic Compound Concentrations in Groundwater
3b. Semi-volatile Organic Compound Concentrations in Groundwater
4. Metals Concentrations in Groundwater (dissolved and total)
5a. Volatile Organic Compound Concentrations in Surface Soil and Leaching Pool Samples

5b. Semi-volatile Organic Compound Concentrations in Surface Soil and Leaching Pool Samples
6. Metals Concentrations in Surface Soil and Leaching Pool Samples
7. Poly-chlorinated biphenyls (PCB) and Pesticide Concentrations in Surface Soil Samples and Leaching Pool Sediment Samples
8. Volatile Organic Compound Concentrations in Soil Vapor

Figures

1. Site Location
2. Site Plan
3. Soil and Groundwater Sampling Locations
4. Soil Vapor Sampling Locations
5. Summary of VOC Detections in Soil Samples
6. Summary of SVOC Detections in Soil Samples
7. Summary of VOC Detections in Groundwater Samples
8. Summary of VOC Detections in Soil Vapor Samples

Appendices

A. Daily Observation Logs
B. Environmental First Search Report (CD-ROM)
C. Aestus, LLC ERI Survey Report (CD-ROM)
D. Soil Boring Logs
E. Data Usability Summary Report
F. Laboratory Data Forms (CD-ROM)

1. Introduction

1.1. Objective

The New York State Department of Environmental Conservation (NYSDEC) issued a Site Characterization (SC) Work Assignment for the K.P. Edwards/Americana Laundromat Site (Site) (No. 1-52-210), located in the Hamlet of Bay Shore, Suffolk County, New York. Malcolm Pirnie, Inc. (Malcolm Pirnie) has prepared this Site Characterization Report (SCR) to summarize the work performed during the investigation.

The purpose of the SC was to identify and investigate the source and extent of groundwater contamination, specifically from Tetrachloroethylene (PCE), at the K.P. Edwards property. The SC was also intended to evaluate the likelihood that potential contamination from the K.P. Edwards Property had contributed to known PCE impacts to groundwater at the adjacent Americana Laundromat property, which is located generally southeast and hydraulically down-gradient of the K.P. Edwards Property.

1.2. Site Description and History

The Site is located at 1580 Fifth Avenue in the Hamlet of Bay Shore, Suffolk County, New York. A Site Location Map is provided on Figure 1. The Site is "L-shaped" and covers approximately 1.3 acres. The Site is bounded by Fifth Avenue to the east; the former Hubbard Power and Light Co. to the north; Americana Laundromat to the southeast; and vacant land and a sand and gravel operation to the west (Figure 2). There is one two-story concrete building on the southern portion of the property, adjacent to the property boundary with Americana Laundromat. The remainder of the property is open and is used for storage of supplies and vehicles. The Site was vacant prior to the construction of the two-story building in 1963. The building has always been used as a masonry supply store. The current owner, K.P. Edwards Materials, has occupied the Site since 1994 and has been using it is as a store for wholesale masonry supplies. A batching operation of concrete slurry mix for commercial delivery is also present. Historically, no subsurface investigations have been conducted at the Site.

The former Hubbard Power and Light Co. property consists of a vacant former industrial complex to the north and west of the Site building and was formerly used as a power plant. Prior to Hubbard Power and Light Co., Quality Resource Corporation operated the property as a resource recovery facility.

1.3. Previous Investigations

Malcolm Pirnie has reviewed readily available documentation to gain an understanding of documented Site conditions, as provided in the References Section (Section 5). The Americana Laundromat property is currently being investigated under the NYSDEC Voluntary Cleanup Program (VCP). As part of this program, indoor air, soil, soil gas, and groundwater investigations have been conducted. Results of analyses have shown that the highest concentrations of PCE, trichloroethene (TCE), and 1,2-dichloroethene (1,2-DCE) in groundwater are located along the northern property boundary between the Americana Laundromat property and the K.P. Edwards property.

The primary volatile organic compound (VOC) observed in indoor air, soil, and groundwater samples collected from the Americana Laundromat property is PCE. An Interim Report (April 2004) and Supplemental Sampling Report (July 2005) prepared by Berninger Environmental, Inc. (BEI) showed that the highest concentrations of PCE in groundwater were found at the depth of the water table (22-24 feet below ground surface [feet bgs]) along the northern boundary of the Americana Laundromat property. Concentrations of PCE in groundwater and soil decreased with an increase in depth. The highest concentration of PCE in indoor air (3,710 micrograms per cubic meter [$\mu g/m^3$]) was observed in a tenant suite in the Americana Laundromat building used by National Realty (Berninger Environmental, Inc., 2004).

As stated in the referenced Interim Report for Americana Laundromat, the Suffolk County Department of Health Services (SCDHS) submitted a Brownfield report in August 2002 which included the results of groundwater sampling at various areas at the former Hubbard Power and Light Co. property located north, and generally upgradient of the Site. One of the areas was along the southern property boundary where numerous drums were present along the fence separating the former Hubbard Power and Light Co. property and the Site. The groundwater samples collected in this area contained PCE at concentrations ranging from 0.6 micrograms per liter (µg/l) to 5 µg/l (BEI, 2004).

As a result of the Interim Report, BEI acknowledged that the PCE concentrations in the indoor air at the Americana Laundromat property needed to be addressed. However, based on the local groundwater flow, which is to the southeast, and the analytical results from the soil, soil gas, and groundwater investigations, BEI concluded that an upgradient source of contamination potentially exists on the K.P. Edwards property.

2. Site Characterization Scope of Work

The activities associated with the SC are discussed below. Specific details regarding methods and procedures for field activities were presented in the Generic Quality Assurance Project Plan (Generic QAPP) for Work Assignments, which was previously provided to the NYSDEC. Unless otherwise noted in the following sections, the SC work was performed in accordance with the SWPC and QAPP.

Field activities for the enhanced resistivity imaging geophysical survey began on February 22, 2008, and were completed on February 24, 2008. Initial field sampling activities, including sediment, sub-surface soil, groundwater, and drum sampling, began on March 17, 2008 and were completed on April 8, 2008. Subsequent groundwater sampling from existing monitoring wells on the Americana Laundromat property was completed on June 24, 2008. Field notes describing each day's activities were recorded on Daily Observation Logs, which are provided in Appendix A.

2.1. Records Review and Database Search

Prior to beginning the SC field activities, the regulatory status of properties in the assessment area was reviewed through a database search conducted by a subcontracted database research company to provide a comprehensive view of the Site and the surrounding areas. The database search included the K.P. Edwards, Americana Laundromat, and the former Hubbard Power and Light Co. properties.

The database review indicated that K.P. Edwards is a Small Quantity Generator (SQG) of hazardous waste due to the asphalt recycling operations of concrete, asphalt, and brick conducted on-site. No additional information was provided in the database.

The former Hubbard Power and Light Co. property is also reported on some of the environmental search databases for the following:

1. New York State Spills database Spill Number 0402576 (leaking drums - active), Spill Number 9413426 (waste oil spill to storm sewer - closed); Spill Number 9412773 (spill of used oil to storm sewer - closed); Spill Number 9312963 (noxious odors from plant – closed).

2. New York State registered underground storage tank (no data on tanks provided in database).

A sand and gravel operation identified variously as "Hubbard Sand and Gravel", "Hubbard Sand and Gravel Corp.", "Hubbard Power and Light", and "Hubbard-Wilson Landfill" was listed at 1612 Fifth Avenue, Bayshore, New York. This location may be associated with the present sand and gravel operation located to the north and west of the Site. The sand and gravel property is reported on some of the environmental search databases for the following:

1. USEPA CERCLIS database for Superfund sites, No Further Remedial Action Planned (NFRAP) database, Site ID NYD005923677. According to the database, this is not a National Priority List (NPL) site, and is currently inactive, and was archived in 1996. No additional information was available from the database.

2. New York State Spills database, Spill Number 9506509 (burning wood chips - closed); Spill Number 0407289 (diesel fuel spill from overturned truck – active); Spill Number 9503233 (petroleum spill to sewer – closed).

3. Unidentified State Database listing Hubbard-Wilson Landfill (ID #152008), dated May 20, 1999, indicating the presence of "VOC contaminated groundwater coming onto this site from an upgradient source." No additional information was available.

4. New Your State Registered UST database, indentifying 12 registered USTs at the property for motor oil, waste oil, diesel, and #2 fuel oil.

The database report is provided on CD-ROM as Appendix B.

2.2. Geophysical Survey

A geophysical survey was performed by Aestus LLC (Aestus) at the Site in February, 2008 using electrical resistivity imaging (ERI). The ERI survey results were used to identify subsurface anomalies and focus sampling efforts to evaluate potential source areas that may be present at the Site. The scope of the geophysical survey was presented in the SCWP. The findings of the ERI survey were provided by Aestus in a summary report, which is provided on CD-ROM as Appendix C. Based on the survey results, a total of 10 confirmation borings (labeled CB-1A though CB-5E) were drilled to investigate the identified anomalies (**Figure 3**).

2.3. Sediment, Surface Soil, and Exposed Waste Sampling

Sediment, surface soil, and exposed waste sampling were completed at the Site in April 2008. Three sediment samples were collected from leaching pools identified at the K.P. Edwards property by the K.P. Edwards representative, along with 12 surface soil samples

collected in the vicinity of the exposed waste and former drums staged along the fence separating the former Hubbard Power and Light Co. property and the Site. Surface soil samples were collected in areas where there was a visual or olfactory indication that surface contaminants were likely to be present. The samples were submitted to an analytical laboratory for analysis of the following:

Total Compound List (TCL) Volatile Organic Compounds (VOCs), using United States Environmental Protection Agency (USEPA) method 8260B;

TCL Semi-volatile Organic Compounds (SVOCs), using USEPA method 8270C;

Pesticides and Polychlorinated Byphenyls (PCBs), using USEPA methods 8081/8082; and,

Total Analyte List (TAL) Metals, using USEPA methods 6010B, 7470A, and 7471A.

Analytical samples were handled using chain-of-custody procedures, as described in the Generic QAPP.

In addition, approximately 16 55-gallon steel drums that were previously noted by NYSDEC staff north of the Site boundary on the former Hubbard Power and Light Co. property were sampled to characterize their contents. Separate grab samples (liquid matrix) were collected from nine of the 16 drums and submitted for analysis as listed above. Although most of the drums were intact during the sampling event, a number of drums were significantly damaged, and some of their contents had leaked and stained the surrounding concrete pad on which they were present. Some of the drums were empty, and others were lying on their side.

The 16 drums were present inside one of the Hubbard property buildings during the sampling event. According to Stephanie O. Davis, the Site representative for the K.P. Edwards property, the drums had previously been on a concrete pad adjacent to the property boundary and had been moved to this location by the owner of the K.P. Edwards Property.

2.4. Subsurface Geological Investigation and Soil Sampling

During March and April of 2008, a direct-push drilling rig was used to collect subsurface soil samples at the Site. A total of 14 borings were drilled in the vicinity of the Site, as shown on **Figure 3**. At each boring location, 4-foot macro-core samples were collected continuously from ground surface to the water table, approximately 20-25 feet bgs. Each sample was classified by the field geologist and screened for VOCs using a photoionization detector (PID). Soil samples were collected from just above the water table at each location and at any intervals above the water table where elevated PID

readings were recorded. A total of 21 subsurface soil samples were submitted to an analytical laboratory for analysis of the following:

TCL VOCs analysis using USEPA method 8260B;

TCL SVOCs, using USEPA method 8270C; and,

TAL Metals, using USEPA methods 6010B, 7470A, and 7471A.

At each location, only the sample collected from just above the water table was analyzed for TAL Metals. In addition, five of the borings from various locations were drilled deeper for stratigraphic characterization as described in the SCWP.

As described in the SCWP, soil sampling was designed to be completed in a phased approach to allow additional soil sampling based on the initial phase results. However, based on the results of the soil sampling discussed in Section 3, the NYSDEC, in consultation with Malcolm Pirnie, decided that additional soil sampling was unnecessary to meet the goals of the SC.

2.5. Groundwater Sampling

2.5.1. Direct-push Groundwater Sampling

In conjunction with the subsurface soil sampling program completed in March and April 2008, groundwater was sampled at each boring location using a retractable-screen groundwater sampling device capable of collecting depth-discrete groundwater samples. Groundwater samples were collected at the water table and at 10-foot intervals from below the water table to the termination of the borings at approximately 60 feet bgs. The groundwater samples were submitted for analysis of TCL VOCs using USEPA method 8260B and TCL SVOCs, using USEPA method 8270C. In addition, samples collected at the water table were also analyzed for TAL Metals, using USEPA methods 6010B, 7470A, and 7471A.

2.5.2. Existing Groundwater Monitoring Well Sampling

During the direct-push groundwater sampling completed during March and April 2008, a groundwater sample was collected from existing monitoring well MW-1, located on the Americana property at the northern (upgradient) property boundary between the K.P. Edwards and the Americana Laundromat properties (Figure 3).

Based on the results of the initial MW-1 sample analysis, MW-1 was re-sampled at the request of the NYSDEC to confirm the analytical results (see Section 3). During this sampling event, existing groundwater monitoring wells MW-2, and MW-3 located on the adjacent Americana Laundromat property were also sampled at the request of the NYSDEC. The groundwater samples were submitted for analysis of TCL VOCs using

USEPA method 8260B. The monitoring wells were sampled in accordance with the procedures outlined in SCWP and the Generic QAPP.

2.6. Soil Vapor Sampling

To evaluate the potential for migration and intrusion of vapor originating from soil and/or groundwater underlying the Site, Malcolm Pirnie collected a total of six subsurface soil vapor samples and two sub-slab soil vapor samples. As shown on Figure 4, three of the soil vapor points were installed on the K.P. Edwards property, and three were collected on the adjacent Americana Laundromat property between the K.P. Edwards Materials building and the Americana Laundromat Cleaners building. The samples were submitted to Columbia Analytical Services, Inc. for analysis of VOCs using USEPA Method TO-15.

In May 2009, at the request of the NYSDEC, Malcolm Pirnie collected an additional four soil vapor samples on the First Spanish Baptist Church property, located adjacent to the Americana Laundromat property to the south (Figure 4). As shown on Figure 4, the samples were installed of the First Spanish Baptist Church property in a grassy area along the Americana Laundromat property line. The samples were submitted to Columbia Analytical Services, Inc. for analysis of VOCs using USEPA Method TO-15.

The subsurface soil vapor and sub-slab soil vapor points were collected and analyzed in accordance with the New York State Department of Health (NYSDOH) *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, dated October 2006, as described in the SCWP and the Generic QAPP.

3. Investigation Results

The following sections describe the subsurface investigation findings. Soil boring logs are provided in Appendix D, and the Data Usability Summary Report (DUSR)is provided in Appendix E. The laboratory analytical data packages are provided on CD-ROM as Appendix F.

3.1. Geology and Hydrogeology

Surficial deposits in the vicinity of the Site are mapped as outwash sand and gravel, consisting of stratified, well rounded, coarse to fine gravel with sand (Cadwell et al., 1986). Based on the Supplemental Sampling Report (BEI, 2005), tan-brown fine, medium to coarse sand and varying sizes of gravel were encountered to a depth of 20 feet bgs at the Americana Laundromat property. Below the surficial deposits are coastal plain deposits, which consist of the Monmouth group, Matawan group, and Magothy formation. These groups and formation are generally composed of silty clay, glauconitic sandy clay, sand, and/or gravel (Fisher et al., 1970).

The stratigraphy encountered during the soil borings is similar to that described above. The stratigraphy consists generally of brown silty sand from surface grade to about 3 feet bgs and gray-brown, well graded sand with trace fine gravel from about 3 feet bgs to the bottom of the deep borings at roughly 60 feet bgs. No significant variations in stratigraphy were noted across the Site. However, as noted in the boring logs in Appendix D, black staining, possibly from septic system leaching, was encountered at two boring locations (KP-SB-02 and KP-CB-4D) generally in the central portion of the Site at depths of 24-25 feet bgs and 14.5-25 feet bgs, respectively.

Groundwater was encountered at 23-27 feet bgs in the soil borings. Based on a groundwater elevation map (August 25, 2003) of the upper hydrogeologic zone prepared by BEI, groundwater generally flows to the southeast both locally and regionally. Water levels in monitoring wells MW-1 through MW-3 on the Americana Laundromat property were measured on June 24, 2008 prior to sampling. Water levels indicated groundwater elevations decreasing toward the southeast, consistent with the established groundwater flow direction.

3.2. Geophysical Survey

The geophysical survey report prepared by Aestus, LLC (Aestus) is provided in Appendix C. Various subsurface anomalies were identified during the surveys. Based on

the survey results, a total of 10 confirmation borings (labeled CB-1A though CB-5E) were drilled as shown on Figure 3 to investigate the identified anomalies.

As discussed in the report (Appendix C), Aestus concluded that the resistive zone identified between the K.P. Edwards building and Americana Laundromat building are indicative of a residual source area of dense non-aqueous phase liquid (DNAPL) present above the water table in this area. In addition to this area, Aestus also identified an additional resistive zone present to the east and southeast of the Americana Laundromat building, which they also believe is likely to represent an area of DNAPL-related contamination.

3.3. Subsurface Soil Sampling

The soil analytical data for subsurface soil samples collected during SC activities at the Site are provided in Tables 1a and 1b (VOCs and SVOCs, respectively), and Table 2 (Metals). The detected VOC concentrations are also summarized on Figure 5. Soil analytical results were compared to the applicable NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective (SCO) each detected contaminant. For those contaminants that do not have published values under Part 375, the respective SCO values published in the Technical and Administrative Guidance Memorandum (TAGM) 4046 were used for comparison.

As shown in Table 1a, concentrations of PCE were detected in only one subsurface soil sample. A shallow sample collected from 1-2 feet bgs at boring KP-SB-04 located north of the Americana Laundromat building contained PCE at a concentration of 580 micrograms per kilogram (µg/kg). Other detected VOCs include cis-1,2-DCE, acetone, methylene chloride, and toluene at concentrations up to 210 ug/kg. Of these, only the acetone concentration of 210 ug/kg in sample KP-CB-4D (18-19) exceeds any applicable regulatory criteria. The acetone concentration exceeds the NYSDEC Unrestricted Use SCO of 50 ug/kg.

As shown in Table 1b, a total of five SVOCs, all phthalates, were detected in one or more subsurface soil samples collected between 18 and 24 feet bgs. The detected SVOC concentrations are summarized on Figure 6. The highest SVOC concentrations were present in boring KP-CB-4D at depths from 18 to 24 feet below ground surface. The SVOC bis(2-ethylhexyl)phthalate was present in KP-CB-4D at concentrations ranging from 450 ug/kg to 22,000 ug/kg. Concentrations of butylbenzylphthalate was present in KP-CB-4D at concentrations ranging from 290 ug/kg to 1200 ug/kg. Concentrations of diethylphthalayte were present in KP-CB-4D is the sample collected from 18-19 feet bgs at 52 ug/kg.

The metals data for sub-surface soil samples are shown in Table 2. Sodium concentrations of 909 ug/kg noted at boring KP-CB-1A are attributed to the presence of a

roadway salt pile present adjacent to the boring location. Metals concentrations in subsurface soil boring samples are generally consistent and do not exceed the referenced regulatory criteria, with the exception of Iron in samples KP-CB-4B (22-23 feet bgs) and KP-CB-5D (22-23 feet bgs), and Magnesium in sample KP-CB-4B (22-23 feet bgs). The values for these metals exceed the TAGM 4046 values for the respective compounds. It should be noted, however, that the guidance document identifies site background values as the regulatory limit. The iron and magnesium sample results for these locations fall within the background values provided in the guidance document, as noted on Table 2.

3.4. Groundwater Sampling

The groundwater analytical data are provided in Tables 3a and 3b (VOCs and SVOCs, respectively), and Table 4 (metals). The detected VOC concentrations are also summarized on Figure 7. Groundwater analytical results were compared to the applicable NYSDEC Class GA Standard or Guidance Value for each detected compound.

As shown in Table 3a and on Figure 7, PCE and TCE were not detected in groundwater at sampling locations on the former Hubbard Power and Light Co. property or K.P. Edwards property, with the exception of a low concentration of PCE (1.65J µg/l) detected at boring KP-CB-5B located in the southeastern corner of the K.P. Edwards property (Figure 7). PCE concentrations from samples collected on the Americana Laundromat property ranged from not detected (ND) to 540D µg/l (detected in well MW-3 located in the southeastern corner of the Americana Laundromat parcel). Well MW-3 is the most downgradient sampling location in the investigation area based on the established groundwater flow direction. Results from the well sampling show that PCE was detected at MW-2 (7.75JD µg/l) southwest of the Americana Laundromat and at KP-CB-5D (up to 19 µg/l) east of the Laundromat. PCE concentrations exceed the NYSDEC Class GA Standard of 5 µg/l at boring locations MW-3, KP-CB-5E, and SB-03, all of which are located southeast and downgradient of the Americana Laundromat building, and at MW-2, KP-SB-02, KP-SB-04, and KP-CB-5D, all of which are located in the parking area of the Americana Laundromat property.

As shown in Table 3a and on Figure 7, results from the sample collected at monitoring well MW-1 in March 2008 were ND for all listed compounds. Based on this, and at the request of the NYSDEC, well MW-1 was re-sampled in June 2008. As shown on Figure 7, results from the second sample collected from groundwater monitoring well MW-1 contained MTBE at a concentration of 8.76 ug/l. No other compounds were detected in well MW-1 during the June 2008 sampling event.

The maximum TCE concentration of 90 µg/l was detected at boring KP-CB-5E, which is located adjacent to well MW-3 located in the most downgradient portion of the study area. Wells MW-2 and MW-3 contained TCE at lower concentrations of 30 µg/l and 22 µg/l, respectively. Some TCE groundwater concentrations exceed the NYSDEC Class A

Standard of 5 µg/l, as shown in Table 3a and on Figure 7. The TCE groundwater concentrations that exceed 5 ug/l were from MW-3, KP-CB-5E, both of which are located southeast and downgradient of the Americana Laundromat building, and at well MW-2 located in the south-central portion of the parking area of the Americana Laundromat property. Concentrations of cis-1,2-DCE were also detected above the Class A Standard of 5 µg/l in a few samples and exhibits similar distribution to the TCE.

Methyl-tert-butyl ether (MTBE) was detected in the majority of groundwater samples across the Site at concentrations up to 1,000D µg/l. The highest MTBE concentrations were detected at depths up to 50-60 feet bgs at boring KP-CB-5D located adjacent to the northeast corner of the Americana Laundromat building. The MTBE concentrations at the water table decrease in the downgradient direction to the southeast, with the highest concentrations at KP-CB-4B (40 µg/l) and KP-CB-4C (79D µg/l), which are located near the fence line separating the K.P. Edwards and the former Hubbard Power and Light Co. parcels. On the downgradient Americana Laundromat parcel, the water table concentrations are much lower; however, the concentrations generally increase with depth, indicating an upgradient, off-site source. As shown in Table 3a and on Figure 7, several MTBE concentrations exceed the NYSDEC Class A Standard or Guidance Value of 10 µg/l.

As shown in Table 3b, detectable SVOC concentrations were found at sampling locations KP-CB-4D and KP-SB-02, both of which are located in the northwestern portion of the Americana Laundromat property. The maximum SVOC concentration of 11J µg/l for bis(2-ethylhexyl) phthalate is the only concentration exceeding the NYSDEC Class A Standard of 5 µg/l. The presence of SVOCs in groundwater was evaluated due to the presence of these compounds in the drums formerly staged along the fence line separating the K.P. Edwards and the former Hubbard Power and Light Co. parcels.

The metals data (total and dissolved) are shown in Table 4. Total metals data were collected at the behest of the property owner's consultant; however, due to the elevated turbidity inherent in the sampling methodology, the dissolved data are more representative of actual conditions. As shown in Table 4, dissolved concentrations of antimony, iron, manganese, and sodium exceed the NYSDEC Class A Standards or Guidance Values. Dissolved antimony was only detected above the laboratory reporting limits of 25 µg/l at sampling location KP-CB-4D. The detected concentration of 28.5 µg/l exceeds the NYSDEC Class A Standard of 3 µg/l. Iron, manganese, and sodium are common naturally-occurring elements of earth materials. The concentrations of these metals exceed the NYSDEC Class GA Standards or Guidance Values in most of the samples.

3.5. Sediment, Surface Soil, and Exposed Waste Sampling

3.5.1. Sediment and Surface Soil

The analytical results for leaching pool sediment and surface soil samples are presented in Tables 5a and 5b (VOCs and SVOCs, respectively), Table 6 (metals), and Table 7 (PCBs and pesticides). For those contaminants that do not have published values under Part 375, the respective SCO values published in the Technical and Administrative Guidance Memorandum (TAGM) 4046 were used for comparison. As shown in Table 5a, no VOCs were detected in the surface soil samples. VOCs detected in the leaching pool sediment samples included acetone (150J µg/kg and 97J µg/kg in 2 of the 3 samples) methyl acetate (37 µg/kg in sample KP-LP-2) and the common laboratory contaminant methylene chloride (19JB µg/kg in sample KP-LP-3). The detected acetone concentrations exceed the NYSDEC Unrestricted Use SCO of 50 µg/kg.

Several SVOCs / polycyclic aromatic hydrocarbons (PAHs) were detected in the leaching pool sediment and surface soil samples (Table 5b). PAHs typically found in asphalt and/or industrial fill containing coal ash, such as pyrene and fluoranthene, were detected in most of the samples. The highest PAH concentrations were generally detected in sample KP-SS-05. The SVOC bis(2-ethylhexyl)phthalate was detected in many of the surface soil and leaching pool sediment samples at concentrations up to 4,200J µg/kg.

As shown in Table 6, most of the metals concentrations are similar among the sample results. However, samples KP-SS-04 and KP-SS-05 contain the highest concentrations for the majority of metals (i.e., arsenic, barium, chromium, cobalt, copper, iron, lead, manganese, nickel, potassium, sodium, and zinc). Concentrations of some metals in these two samples exceed the one or more of the referenced criteria as shown in Table 6.

No PCBs were detected in the sediment and surface soil samples (Table 7). A total of five different pesticides were detected in the surface soil and leaching pool sediment samples. These consist of heptachlor, 4,4-DDE, 4,4-DDT, alpha chlordane, and gamma chlordane. The detected pesticide concentrations are fairly similar between the different sample locations, but the highest concentrations were generally detected in sample KP-SS-01. Select concentrations of 4,4-DDE (up to 11DP µg/kg) and 4,4-DDT (up to 37 µg/kg) exceed the NYSDEC Unrestricted Use SCOs, both of which are 3.3 µg/kg.

3.5.2. Drum Samples (Hubbard Power & Light Property)

The drum sampling data have not been tabulated due to the general lack of detections, but laboratory data forms are provided in Appendix F. Certain SVOCs (including phenol, 3+4-methylphenols, 2-methylnaphthalene, and phenanthrene) and VOCs (including toluene) that are indicative of petroleum-based lubricants, were detected in some of the drum samples. No chlorinated VOCs, PCBs, or pesticides were detected in any of the drum samples. Some of the drums were labeled "DTE® 797 Oil – Steam Turbine

Lubricant", while the labels on others were illegible. These results indicate that the drums likely originally contained petroleum products.

3.6. Soil Vapor Sampling

The soil vapor data are shown in Table 8, and the detected chlorinated VOC concentrations are shown on Figure 8. The highest concentrations of PCE, TCE, and cis-1,2-DCE were detected at sampling location KP-SV-04, which is the most southeastern (and hydraulically downgradient) soil vapor sampling location. Corresponding PCE concentrations at the other sampling locations north and west (hydraulically upgradient) of KP-SV-04 are more than one order of magnitude lower by comparison. TCE and cis-1,2-DCE concentrations also decrease to the north and west of KP-SV-04. This distribution may indicate a PCE source in the vicinity of KP-SV-04 or slightly to the southeast (hydraulically downgradient).

The sub-slab soil vapor samples – KP-SV-07 and KP-SV-08 – collected beneath the K.P. Edwards building floor slab indicate significantly different PCE values. As shown on Figure 8, PCE was detected at a concentration of 6,100 $\mu g/m^3$ in sample KP-SV-07 and at only 4.2 $\mu g/m^3$ in sample KP-SV-08. Sub slab TCE values are much lower but exhibit a similar pattern with concentrations of 43 $\mu g/m^3$ in sample KP-SV-07 and 0.25 $\mu g/m^3$ in sample KP-SV-08. Given the absence of chlorinated VOCs in soil and groundwater immediately downgradient of the K.P. Edwards building (i.e., at KP-CB-1 and MW-1), the sub slab VOC vapor residues are most likely related to vapor migration from the groundwater plume on the downgradient Americana Laundromat parcel. The different PCE concentrations in the two sub slab vapor samples are attributed to the heterogeneous nature of the soil/fill material and preferential vapor migration through utility conduits or other subsurface features.

The results of the additional soil vapor sampling at the First Spanish Baptist Church property (samples FSBC-SV-01, FSBC-SV-02, FSBC-SV-03, and FSBC-SV-04) are shown in Table 8, and the detected chlorinated VOC concentrations are shown on Figure 8. Concentrations of PCE in these samples ranged from not detected in sample FSBC-SV-04 (near the roadway) to 449.1 ug/m^3 (based on sample dilution) in sample FSBC-SV-02. Concentrations of TCE in samples from the First Spanish Baptist Church property ranged from 0.612 ug/m^3 in sample FSBC-SV-01 to 39.3 ug/m^3 in sample FSBC-SV-04 (Figure 8). These values are orders of magnitude less than those from sample SV-04, but indicate that PCE and TCE in groundwater along the southern Americana Laundromat property boundary (see Figure 7) are likely contributing to soil vapor conditions in this area.

4. Summary and Conclusions

The Site Characterization results described in the preceding sections indicate a general absence of PCE in soil and groundwater on the K.P. Edwards parcel. Based on the result of the investigation, it is unlikely that PCE from the K.P. Edwards property could be contributing to PCE contamination on the Americana Laundromat property. A review of documents related to the Site, and an environmental database search did not provide information that would indicate past or current activities at the K.P. Edwards property may have contributed to a release of PCE to downgradient properties.

The results of soil sample analysis show that the only detectable PCE concentration in soil (580 µg/kg from 1-2 feet bgs) was at boring location KP-SB-4 located adjacent to the north side of the American Laundromat building. The groundwater data also indicate a general absence of PCE on the K.P. Edwards parcel (note that one groundwater sample at the water table at KP-CB-5B contained PCE at an estimated concentration of 1.6J µg/l, which is below the laboratory reporting limit of 5 µg/l). Downgradient PCE concentrations in groundwater on the Americana Laundromat parcel range from not detected to 540D µg/l in well MW-3 located in the very southeastern (hydraulically downgradient) corner of this parcel. The Aestus ERI survey data also indicated the potential presence of subsurface contaminants in an area downgradient from well MW-3. Similar PCE concentrations were detected in the shallow groundwater samples at nearby boring location KP-CB-5E, drilled within the anomaly identified by Aestus. These concentrations exceed the NYSDEC Class A Standards of 5 µg/l. TCE and cis-1,2-DCE concentrations also exhibit a similar distribution in groundwater. These data indicate that the PCE groundwater plume beneath the Americana Laundromat parcel is most likely due to PCE releases on the Americana Laundromat property.

The results of the Aestus ERI survey performed between the buildings suggested the potential presence of an unknown source area to the north of the American Laundromat building in the parking lot between the Laundromat and the K.P. Edwards building. The ERI survey indicated a highly resistive subsurface anomaly in this area. However, sample analytical results from the confirmation boring (KP-CB-1B) drilled within the anomaly identified by Aestus in this area showed the presence of concentrations of MTBE (36 ug/l to 82 ug/l) and estimated concentrations of PCE (2.2 J ug/l) in samples from KP-CB-1B. It should be noted that previous investigations at the Americana Laundromat omitted this area during sampling events. Soil sample KP-SB-4 was located approximately downgradient from this suggested anomaly and contained concentrations of PCE at 580 ug/l.

The soil vapor concentrations of PCE, TCE, and cis-1,2-DCE are greatest near this area north of the Americana Laundromat building and decrease significant to the north and west toward the K.P. Edwards parcel. This distribution suggests a PCE source in the vicinity of KP-SV-04 or slightly to the southeast (hydraulically downgradient). Given the absence of chlorinated VOCs in soil and groundwater immediately downgradient of the K.P. Edwards building (i.e., at KP-CB-1 and MW-1), the sub-slab VOC vapor contaminants may be related to vapor migration from the groundwater plume on the downgradient Americana Laundromat parcel. The variable PCE concentrations in the two sub-slab vapor samples are attributed to the heterogeneous nature of the soil/fill material and preferential vapor migration through utility conduits or other subsurface features.

A total of five SVOCs, all phthalates, were detected in one or more subsurface soil samples collected generally between 18 and 24 feet bgs. The highest concentrations were detected at boring location KP-CB-4D, and the detected concentrations at other boring locations are generally much lower. SVOCs/PAHs that are typically found in asphalt and/or industrial fill containing coal ash were also detected in most of the surficial soil and leaching pool sediment samples. The SVOC bis(2-ethylhexyl)phthalate was detected in most of the samples at concentrations up to 4,200J µg/kg. SVOCs and PAHs are generally absent in Site groundwater, with the exception of minor phthalate concentrations up to 11J µg/l. However, the SVOC compounds detected in soil samples do not have established SCO criteria.

Metals concentrations in subsurface soil and leaching pool sediment samples are below the referenced regulatory criteria. Surficial soil samples KP-SS-04 and KP-SS-05 exhibit the highest concentrations for the majority of metals, several of which exceed the one or more of the applicable SCO criteria. Dissolved metals concentrations of antimony, iron, manganese, and sodium exceed the NYSDEC Class GA Standards or Guidance Values at one or more sampling locations. While concentrations of Iron, manganese, and sodium exceed the NYSDEC Class GA Standards or Guidance Values in many of the groundwater samples, they are commonly occurring constituents of earth materials.

No PCBs were detected in soil or sediment samples. A total of five different pesticides were detected in the surface soil and leaching pool sediment samples. The detected pesticide concentrations are fairly similar between the different sample locations. Select concentrations of 4,4-DDE (up to 11DP µg/kg) and 4,4-DDT (up to 37 µg/kg) exceed the NYSDEC Unrestricted Use SCO, both of which are 3.3 µg/kg.

Analytical results from samples collected from drums present on the Hubbard property are indicative of petroleum-based lubricants. No chlorinated VOCs, PCBs, or pesticides were detected in any of the drum samples. These results indicate that the drums likely

contain petroleum products, and are unlikely to be a potential source of PCE in soil and groundwater at the Americana Laundromat property.

5. References

Berninger Environmental, Inc., 2004. "Interim Report – Task 5," Americana Laundromat and Dry Cleaners, 1572 North Fifth Avenue, Bay Shore, New York. New York State Department of Environmental Conservation, Division of Environmental Remediation Voluntary Cleanup Program. April 2004.

Berninger Environmental, Inc., 2005. "Supplemental Soil and Groundwater Sampling," Americana Laundromat and Dry Cleaners, 1572 North Fifth Avenue, Bay Shore, New York. New York State Department of Environmental Conservation, Division of Environmental Remediation Voluntary Cleanup Program. July 2005.

Cadwell, D.H., and others, 1986. Surficial Geologic Map of New York, Lower Hudson sheet: New York State Museum – Geological Survey, Map and Chart Series # 40, scale 1:250,000.

Fischer, D.W., Isachsen, Y.W., and Rickard, L.V., 1970. Geologic Map of New York, Lower Hudson sheet: New York State Museum and Science Service Map and Chart Series No. 15, 6 sheets, scale 1:250,000.

NYSDEC, 1994. "Determination of Soil Cleanup Objectives and Cleanup Levels." New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum (TAGM) 4046, Division of Environmental Remediation. January 1994.

NYSDEC, 2002. "Draft DER-10 Technical Guidance for Site Investigation and Remediation." New York State Department of Environmental Conservation, Division of Environmental Remediation. December 2002.

NYSDEC, 2005. "Draft Handbook for Standby Consultant Contracts". New York State Department of Environmental Conservation, Division of Environmental Remediation.

NYSDEC, 2007. "State Superfund Standby Contract Work Assignment Site Characterization, K.P. Edwards/Americana Laundromat Site, August, 2007.

NYSDOH, 2006. "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York." New York State Department of Health Center for Environmental Health, Bureau of Environmental Exposure Investigation. October, 2006.

Table 1a
Volatile Organic Compound Concentrations in Soil Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID:	Unrestricted Use Soil Cleanup Objective* (ug/kg)	KP-SB-01 (23-24) (23-24' bgs) 3/18/2008 (ug/kg)	KP-DUP1-031808 (23-24' bgs) 3/18/2008 (ug/kg)	KP-SB-02 (22-23) (22-23' bgs) 3/25/2008 (ug/kg)	KP-SB-03 (22-23) (22-23' bgs) 3/26/2008 (ug/kg)	KP-DUP2-032608 (22-23' bgs) 3/26/2008 (ug/kg)	KP-SB-04 (1-2) (1-2' bgs) 3/27/2008 (ug/kg)	KP-SB-04 (22-23) (22-23' bgs) 3/27/2008 (ug/kg)	KP-CB-1A (24-25) (24-25' bgs) 3/19/2008 (ug/kg)	KP-CB-1B (22-23) (22-23' bgs) 3/25/2008 (ug/kg)	KP-CB-3A (23.5-24.5) (23.5-24.5' bgs) 3/19/2008 (ug/kg)	KP-CB-4A (0-1) (0-1') 3/28/2008 (ug/kg)	KP-CB-4A (0-1)RE (0-1') 3/28/2008 (ug/kg)
Volatile Organic Compounds													
Dichlorodifluoromethane	---	27 UJ	27 UJ	26 UJ	26 UJ	27 UJ	30 UJ	26 UJ	26 UJ	25 U	27 UJ	28 UJ	28 UJ
Chloromethane	---	27 UJ	27 UJ	26 UJ	26 U	27 U	30 U	26 U	26 UJ	25 U	27 UJ	28 U	28 U
Vinyl Chloride	20	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
Bromomethane	---	27 UJ	27 UJ	26 UJ	26 U	27 U	30 U	26 U	26 UJ	25 UJ	27 UJ	28 U	28 U
Chloroethane	1,900*	27 UJ	27 UJ	26 UJ	26 U	27 U	30 U	26 U	26 UJ	25 UJ	27 UJ	28 U	28 U
Trichlorofluoromethane	---	27 UJ	27 UJ	26 UJ	26 UJ	27 UJ	30 UJ	26 UJ	26 UJ	25 UJ	27 UJ	28 UJ	28 U
1,1,2-Trichlorotrifluoroethane	---	27 UJ	27 UJ	26 UJ	26 U	27 U	30 U	26 U	26 UJ	25 U	27 UJ	28 U	28 U
1,1-Dichloroethene	330	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
Acetone	50	130 U	130 U	130 U	130 U	130 U	150 U	130 U	130 U	120 U	130 U	140 U	140 U
Carbon Disulfide	2,700*	27 UJ	27 UJ	26 UJ	26 U	27 U	30 U	26 U	26 UJ	25 U	27 UJ	28 U	28 U
Methyl tert-butyl Ether	930	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
Methyl Acetate	---	27 UJ	27 UJ	26 U	26 UJ	27 UJ	30 UJ	26 UJ	26 UJ	25 U	27 UJ	28 UJ	28 UJ
Methylene Chloride	50	27 UJ	27 UJ	14 UJ	26 U	27 U	30 U	26 U	26 UJ	25 U	27 UJ	28 U	28 UJ
trans-1,2-Dichloroethene	190	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
1,1-Dichloroethane	200*	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
Cyclohexane	---	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
2-Butanone	120	130 U	130 U	130 UJ	130 U	130 U	150 U	130 U	130 U	120 U	130 U	140 U	140 U
Carbon Tetrachloride	760	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
cis-1,2-Dichloroethene	250	27 U	27 U	26 U	26 U	27 U	24 J	26 U	26 U	25 U	27 U	28 U	28 U
Chloroform	370	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
1,1,1-Trichloroethane	800*	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
Methylcyclohexane	---	27 U	27 U	26 U	26 UJ	27 UJ	30 U	26 U	26 U	25 U	27 U	28 U	28 U
Benzene	60	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
1,2-Dichloroethane	20	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
Trichloroethene	470	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
1,2-Dichloropropane	---	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
Bromodichloromethane	---	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
4-Methyl-2-Pentanone	1,000*	130 UJ	130 UJ	130 U	130 U	130 U	150 U	130 U	130 UJ	120 U	130 UJ	140 U	140 U
Toluene	700	27 U	27 U	26 U	26 U	27 U	57	26 U	26 U	25 U	27 U	28 U	28 U
t-1,3-Dichloropropene	---	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
cis-1,3-Dichloropropene	---	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
1,1,2-Trichloroethane	---	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
2-Hexanone	---	130 UJ	130 UJ	130 UJ	130 U	130 U	150 U	130 U	130 UJ	120 U	130 UJ	140 U	140 U
Dibromochloromethane	---	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
1,2-Dibromoethane	---	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
Tetrachloroethene	1,300	27 U	27 U	26 UJ	26 U	27 U	561	26 U	26 U	25 U	27 U	28 U	28 UJ
Chlorobenzene	1,100	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
Ethyl Benzene	1,000	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
m/p-Xylenes	1,200*	53 U	53 U	51 U	52 U	54 U	61 U	51 U	52 U	50 U	54 U	57 U	56 U
o-Xylene	1,200*	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
Styrene	---	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
Bromoform	---	27 U	27 U	26 UJ	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 U	28 U
Isopropylbenzene	---	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 UJ	28 UJ
1,1,2,2-Tetrachloroethane	600*	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 UJ	28 UJ
1,3-Dichlorobenzene	2,400	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 UJ	28 UJ
1,4-Dichlorobenzene	1,800	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 UJ	28 UJ
1,2-Dichlorobenzene	1,100	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 UJ	28 UJ
1,2-Dibromo-3-Chloropropane	---	27 U	27 U	26 U	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 UJ	28 UJ
1,2,4-Trichlorobenzene	---	27 U	27 U	26 UJ	26 U	27 U	30 U	26 U	26 U	25 U	27 U	28 UJ	28 UJ

NOTES:

* TAGM 4046 Recommended Soil Cleanup Objective provided where the Part 375 Unrestricted Use guidance value is not published.

Reported value exceeds respective NYS Part 375 Unrestricted Use Cleanup Objective or TAGM 4046 guidance value.

--- indicates that a guidance value or soil cleanup objective value is not provided.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

D - The reported value is from a secondary analysis with a dilution factor - The original analysis exceeded the calibration range.

NR - Compound not analyzed or reported for that sample.

Table 1a
Volatile Organic Compound Concentrations in Soil Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	Unrestricted Use Soil Cleanup Objective* (ug/kg)	KP-CB-4A (23-24) (23-24' bgs) 3/28/2008 (ug/kg)	KP-CB-4B (22-23) (22-23' bgs) 3/28/2008 (ug/kg)	KP-CB-4C (19-20) (19-20' bgs) 3/19/2008 (ug/kg)	KP-CB-4D (18-19) (18-19' bgs) 3/26/2008 (ug/kg)	KP-CB-4D (18-19)DL (18-19' bgs) 3/26/2008 (ug/kg)	KP-CB-4D (23-24) (23-24' bgs) 3/26/2008 (ug/kg)	KP-CB-4D (23-24)DL (23-24' bgs) 3/26/2008 (ug/kg)	KP-CB-5B (23-24) (23-24' bgs) 3/19/2008 (ug/kg)	KP-CB-5D (4-5) (4-5' bgs) 3/27/2008 (ug/kg)	KP-CB-5D (22-23) (22-23' bgs) 3/27/2008 (ug/kg)	KP-CB-5E (21-22) (21-22' bgs) 3/31/2008 (ug/kg)
Volatile Organic Compounds												
Dichlorodifluoromethane	---	26 UJ	25 UJ	27 UJ	27 UJ	NR	25 UJ	NR	30 UJ	25 UJ	25 UJ	26 UJ
Chloromethane	---	26 U	25 U	27 UJ	27 U	NR	25 U	NR	30 UJ	25 U	25 U	26 U
Vinyl Chloride	20	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
Bromomethane	---	26 U	25 U	27 UJ	27 U	NR	25 U	NR	30 UJ	25 U	25 U	26 U
Chloroethane	1,900*	26 U	25 U	27 UJ	27 U	NR	25 U	NR	30 UJ	25 U	25 U	26 U
Trichlorofluoromethane	---	26 UJ	25 UJ	27 UJ	27 UJ	NR	25 UJ	NR	30 UJ	25 UJ	25 UJ	26 U
1,1,2-Trichlorotrifluoroethane	---	26 U	25 U	27 UJ	27 U	NR	25 U	NR	30 UJ	25 U	25 U	26 U
1,1-Dichloroethene	330	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
Acetone	50	130 U	130 U	130 U	211	NR	130 U	NR	150 U	130 U	130 U	130 U
Carbon Disulfide	2,700*	26 U	25 U	27 UJ	27 U	NR	25 U	NR	30 UJ	25 U	25 U	26 U
Methyl tert-butyl Ether	930	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
Methyl Acetate	---	26 UJ	25 UJ	27 UJ	27 UJ	NR	25 UJ	NR	30 UJ	25 UJ	25 UJ	26 U
Methylene Chloride	50	26 U	25 U	27 UJ	27 U	NR	25 U	NR	30 UJ	25 U	25 U	26 U
trans-1,2-Dichloroethene	190	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
1,1-Dichloroethane	200*	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
Cyclohexane	---	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
2-Butanone	120	130 U	130 U	130 U	140 U	NR	130 U	NR	150 U	130 U	130 U	130 U
Carbon Tetrachloride	760	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
cis-1,2-Dichloroethene	250	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
Chloroform	370	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
1,1,1-Trichloroethane	800*	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
Methylcyclohexane	---	26 U	25 U	27 U	27 UJ	NR	25 UJ	NR	30 U	25 U	25 U	26 U
Benzene	60	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
1,2-Dichloroethane	20	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
Trichloroethene	470	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
1,2-Dichloropropane	---	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
Bromodichloromethane	---	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
4-Methyl-2-Pentanone	1,000*	130 U	130 U	130 UJ	140 U	NR	130 U	NR	150 UJ	130 U	130 U	130 U
Toluene	700	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
t-1,3-Dichloropropene	---	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
cis-1,3-Dichloropropene	---	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
1,1,2-Trichloroethane	---	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
2-Hexanone	---	130 U	130 U	130 UJ	140 U	NR	130 U	NR	150 UJ	130 U	130 U	130 U
Dibromochloromethane	---	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
1,2-Dibromoethane	---	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
Tetrachloroethene	1,300	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
Chlorobenzene	1,100	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
Ethyl Benzene	1,000	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
m/p-Xylenes	1,200*	52 U	51 U	54 U	55 U	NR	51 U	NR	60 U	50 U	50 U	52 U
o-Xylene	1,200*	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
Styrene	---	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
Bromoform	---	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
Isopropylbenzene	---	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
1,1,2,2-Tetrachloroethane	600*	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
1,3-Dichlorobenzene	2,400	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
1,4-Dichlorobenzene	1,800	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
1,2-Dichlorobenzene	1,100	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
1,2-Dibromo-3-Chloropropane	---	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 U
1,2,4-Trichlorobenzene	---	26 U	25 U	27 U	27 U	NR	25 U	NR	30 U	25 U	25 U	26 UJ

NOTES:

* TAGM 4046 Recommended Soil Cleanup Objective provided where the Part 375 Unrestricted Use guidance value is not published.

Reported value exceeds respective NYS Part 375 Unrestricted Use Cleanup Objective or TAGM 4046 guidance value.

--- indicates that a guidance value or soil cleanup objective value is not provided.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

D - The reported value is from a secondary analysis with a dilution factor - The original analysis exceeded the calibration range.

NR - Compound not analyzed or reported for that sample.

Table 1b
Semi-volatie Organic Compound Concentrations in Soil Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	Unrestricted Use Soil Cleanup Objective* (ug/kg)	KP-SB-01 (23-24) (23-24' bgs) 3/18/2008 (ug/kg)	KP-DUP1-031808 (23-24' bgs) 3/18/2008 (ug/kg)	KP-SB-02 (22-23) (22-23' bgs) 3/25/2008 (ug/kg)	KP-SB-03 (22-23) (22-23' bgs) 3/26/2008 (ug/kg)	KP-DUP2-032608 (22-23' bgs) 3/26/2008 (ug/kg)	KP-SB-04 (1-2) (1-2' bgs) 3/27/2008 (ug/kg)	KP-SB-04 (22-23) (22-23' bgs) 3/27/2008 (ug/kg)	KP-CB-1A (24-25) (24-25' bgs) 3/19/2008 (ug/kg)	KP-CB-1B (22-23) (22-23' bgs) 3/25/2008 (ug/kg)	KP-CB-3A (23.5-24.5) (23.5-24.5' bgs) 3/19/2008 (ug/kg)	KP-CB-4A (0-1) (0-1') 3/28/2008 (ug/kg)	KP-CB-4A (23-24) (23-24' bgs) 3/28/2008 (ug/kg)
Semi-volatile Organic Compounds													
Benzaldehyde	---	350 UJ	370 UJ	340 UJ	340 R	360 R	390 R	340 R	340 UJ	340 UJ	370 UJ	370 R	350 R
Phenol	330	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
bis(2-Chloroethyl)ether	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
2-Chlorophenol	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
2-Methylphenol	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
2,2-oxybis(1-Chloropropane)	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Acetophenone	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
3+4-Methylphenols	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
N-Nitroso-di-n-propylamine	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Hexachloroethane	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Nitrobenzene	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Isophorone	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
2-Nitrophenol	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
2,4-Dimethylphenol	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
bis(2-Chloroethoxy)methane	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
2,4-Dichlorophenol	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Naphthalene	12,000	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
4-Chloroaniline	---	350 U	370 U	340 U	340 R	360 R	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Hexachlorobutadiene	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Caprolactam	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
4-Chloro-3-methylphenol	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
2-Methylnaphthalene	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Hexachlorocyclopentadiene	---	350 U	370 U	340 U	340 UJ	360 UJ	390 U	340 U	340 U	340 U	370 U	370 U	350 U
2,4,6-Trichlorophenol	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
2,4,5-Trichlorophenol	---	880 U	920 U	850 U	860 U	910 U	970 U	850 U	860 U	850 U	920 U	940 U	870 U
1,1-Biphenyl	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
2-Chloronaphthalene	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
2-Nitroaniline	---	880 U	920 U	850 U	860 U	910 U	970 U	850 U	860 U	850 U	920 U	940 U	870 U
Dimethylphthalate	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Acenaphthylene	100,000	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
2,6-Dinitrotoluene	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
3-Nitroaniline	---	880 U	920 U	850 U	860 U	910 U	970 U	850 U	860 U	850 U	920 U	940 U	870 U
Acenaphthene	20,000	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
2,4-Dinitrophenol	---	880 UJ	920 UJ	850 UJ	860 UJ	910 UJ	970 UJ	850 UJ	860 UJ	850 UJ	920 UJ	940 UJ	870 UJ
4-Nitrophenol	---	880 U	920 U	850 U	860 U	910 U	970 U	850 U	860 U	850 U	920 U	940 U	870 U
Dibenzofuran	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
2,4-Dinitrotoluene	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Diethylphthalate	7,100*	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
4-Chlorophenyl-phenylether	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Fluorene	30,000	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
4-Nitroaniline	---	880 U	920 U	850 U	860 U	910 U	970 U	850 U	860 U	850 U	920 U	940 U	870 U
4,6-Dinitro-2-methylphenol	---	880 U	920 U	850 U	860 UJ	910 UJ	970 UJ	850 UJ	860 U	850 UJ	920 U	940 UJ	870 UJ
N-Nitrosodiphenylamine	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
4-Bromophenyl-phenylether	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Hexachlorobenzene	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Atrazine	---	350 U	370 U	340 U	340 UJ	360 UJ	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Pentachlorophenol	800	880 U	920 U	850 U	860 U	910 U	970 U	850 U	860 U	850 U	920 U	940 U	870 U
Phenanthrene	100,000	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Anthracene	100,000	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Carbazole	---	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Di-n-butylphthalate	8,100*	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Fluoranthene	100,000	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Pyrene	100,000	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Butylbenzylphthalate	50,000*	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
3,3-Dichlorobenzidine	---	350 U	370 U	340 U	340 R	360 R	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Benzo(a)anthracene	1,000	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Chrysene	1,000	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
bis(2-Ethylhexyl)phthalate	50,000*	350 U	370 U	450	35 J	42 J	390 U	340 U	340 U	340 U	370 U	61 J	350 U
Di-n-octyl phthalate	50,000*	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Benzo(b)fluoranthene	1,000	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Benzo(k)fluoranthene	800	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Benzo(a)pyrene	1,000	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Indeno(1,2,3-cd)pyrene	500	350 U	370 U	340 U	340 UJ	360 UJ	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Dibenz(a,h)anthracene	330	350 U	370 U	340 U	340 U	360 U	390 U	340 U	340 U	340 U	370 U	370 U	350 U
Benzo(g,h,i)perylene	100,000	350 U	370 U	340 U	340 UJ	360 UJ	390 U	340 U	340 U	340 U	370 U	370 U	350 U

NOTES:

* TAGM 4046 Recommended Soil Cleanup Objective provided where the Part 375 Unrestricted Use guidance value is not published.

Reported value exceeds respective NYS Part 375 Unrestricted Use Cleanup Objective or TAGM 4046 guidance value.

--- indicates that a guidance value or soil cleanup objective value is not provided.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

D - The reported value is from a secondary analysis with a dilution factor - The original analysis exceeded the calibration range.

R - Value was rejected by the data validator.

NR - Compound not analyzed or reported for that sample.

Table 1b
Semi-volatie Organic Compound Concentrations in Soil Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	Unrestricted Use Soil Cleanup Objective* (ug/kg)	KP-CB-4B (22-23) (22-23' bgs) 3/28/2008 (ug/kg)	KP-CB-4C (19-20) (19-20' bgs) 3/19/2008 (ug/kg)	KP-CB-4D (18-19) (18-19' bgs) 3/26/2008 (ug/kg)	KP-CB-4D (23-24) (23-24' bgs) 3/26/2008 (ug/kg)	KP-CB-5B (23-24) (23-24' bgs) 3/19/2008 (ug/kg)	KP-CB-5D (4-5) (4-5' bgs) 3/27/2008 (ug/kg)	KP-CB-5D (22-23) (22-23' bgs) 3/27/2008 (ug/kg)	KP-CB-5E (21-22) (21-22' bgs) 3/31/2008 (ug/kg)
Semi-volatile Organic Compounds									
Benzaldehyde	---	340 R	350 UJ	360 R	340 R	390 UJ	340 R	340 R	340 R
Phenol	330	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 UJ
bis(2-Chloroethyl)ether	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
2-Chlorophenol	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 UJ
2-Methylphenol	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 UJ
2,2-oxybis(1-Chloropropane)	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Acetophenone	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
3+4-Methylphenols	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 UJ
N-Nitroso-di-n-propylamine	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Hexachloroethane	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Nitrobenzene	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Isophorone	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
2-Nitrophenol	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 UJ
2,4-Dimethylphenol	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 UJ
bis(2-Chloroethoxy)methane	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
2,4-Dichlorophenol	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 UJ
Naphthalene	12,000	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
4-Chloroaniline	---	340 U	350 U	360 R	340 R	390 U	340 U	340 U	340 U
Hexachlorobutadiene	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Caprolactam	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
4-Chloro-3-methylphenol	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 UJ
2-Methylnaphthalene	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Hexachlorocyclopentadiene	---	340 U	350 U	360 J	340 UJ	390 U	340 U	340 U	340 UJ
2,4,6-Trichlorophenol	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 UJ
2,4,5-Trichlorophenol	---	850 U	890 U	910 U	860 U	990 U	850 U	850 U	850 UJ
1,1-Biphenyl	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
2-Chloronaphthalene	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
2-Nitroaniline	---	850 U	890 U	910 U	860 U	990 U	850 U	850 U	850 U
Dimethylphthalate	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Acenaphthylene	100,000	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
2,6-Dinitrotoluene	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
3-Nitroaniline	---	850 U	890 U	910 U	860 U	990 U	850 U	850 U	850 U
Acenaphthene	20,000	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
2,4-Dinitrophenol	---	850 UJ	890 UJ	910 J	860 UJ	990 UJ	850 U	850 UJ	850 UJ
4-Nitrophenol	---	850 U	890 U	910 U	860 U	990 U	850 U	850 U	850 UJ
Dibenzofuran	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
2,4-Dinitrotoluene	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Diethylphthalate	7,100*	340 U	350 U	52.052 J	340 U	390 U	340 U	340 U	340 U
4-Chlorophenyl-phenylether	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Fluorene	30,000	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
4-Nitroaniline	---	850 U	890 U	910 U	860 U	990 U	850 U	850 U	850 U
4,6-Dinitro-2-methylphenol	---	850 UJ	890 U	910 J	860 UJ	990 U	850 U	850 UJ	850 UJ
N-Nitrosodiphenylamine	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
4-Bromophenyl-phenylether	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Hexachlorobenzene	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Atrazine	---	340 U	350 U	360 J	340 UJ	390 U	340 U	340 U	340 U
Pentachlorophenol	800	850 U	890 U	910 U	860 U	990 U	850 U	850 U	850 UJ
Phenanthrene	100,000	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Anthracene	100,000	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Carbazole	---	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Di-n-butylphthalate	8,100*	340 U	350 U	690.87	149.94 J	390 U	340 U	340 U	340 U
Fluoranthene	100,000	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Pyrene	100,000	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Butylbenzylphthalate	50,000*	340 U	350 U	1188.8	308.81 J	390 U	340 U	340 U	340 U
3,3-Dichlorobenzidine	---	340 U	350 U	360 R	340 R	390 U	340 U	340 U	340 U
Benzo(a)anthracene	1,000	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Chrysene	1,000	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
bis(2-Ethylhexyl)phthalate	50,000*	340 U	350 U	21949 D	5408.6 D	390 U	18 J	40 J	340 U
Di-n-octyl phthalate	50,000*	340 U	350 U	1300	339.15 J	390 U	340 U	340 U	340 U
Benzo(b)fluoranthene	1,000	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Benzo(k)fluoranthene	800	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Benzo(a)pyrene	1,000	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Indeno(1,2,3-cd)pyrene	500	340 U	350 U	360 J	340 UJ	390 U	340 U	340 U	340 U
Dibenz(a,h)anthracene	330	340 U	350 U	360 U	340 U	390 U	340 U	340 U	340 U
Benzo(g,h,i)perylene	100,000	340 U	350 U	360 J	340 UJ	390 U	340 U	340 U	340 U

NOTES:

* TAGM 4046 Recommended Soil Cleanup Objective provided where the Part 375 Unrestricted Use guidance value is not published.

Reported value exceeds respective NYS Part 375 Unrestricted Use Cleanup Objective or TAGM 4046 guidance value.

--- indicates that a guidance value or soil cleanup objective value is not provided.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

D - The reported value is from a secondary analysis with a dilution factor - The original analysis exceeded the calibration range.

R - Value was rejected by the data validator.

NR - Compound not analyzed or reported for that sample.

Table 2
Metals Concentrations in Soil Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Analyte / Sample ID: / Depth: / Sampling Date: / Units:	Unrestricted Use Soil Cleanup Objective* (mg/kg)	KP-SB-02 (22-23) 22-23' bgs 3/25/2008 (mg/kg)	KP-SB-03-(22-23) 22-23' bgs 3/26/2008 (mg/kg)	KP-DUP2-032608 22-23' bgs 3/26/2008 (mg/kg)	KP-SB-04-(22-23) 22-23' bgs 3/27/2008 (mg/kg)	KP-CB-1A-(24-25) 24-25' bgs 3/19/2008 (mg/kg)	KP-CB-1B (22-23) 22-23' bgs 3/25/2008 (mg/kg)	KP-CB-3A-(23.5-24.5) 23.5-24.5' bgs 3/19/2008 (mg/kg)
Aluminum	33,000(SB)*	295	422 JE	329 JE	350 EJ	364 EJ	325	334 EJ
Antimony	---(SB)*	0.31 J	1.3 J	1.21 J	1.08 J	1.73 U	0.51 J	1.86 U
Arsenic	13	0.68 U	0.691 U	0.16 J	0.244 J	0.488 J	0.68 U	0.33 J
Barium	350	1.9 J	1.59 J	1.77 J	1.45 J	1.13 J	1.8 J	1.2 J
Beryllium	7.2	0.03 J	0.038 J	0.037 J	0.041 J	0.041 J	0.06 J	0.04 J
Cadmium	2.5	0.34 U	0.691 U	0.722 U	0.68 U	0.692 U	0.34 U	0.743 U
Calcium	130(SB)*	29.5 J	44.1 J	32.7 J	37.8 J	11.1 J	33.6 J	24.9 J
Chromium	30	2.3 EJ	2.15	1.78	5.05	2.09	1.6 EJ	2.81
Cobalt	30*[1]	1 U	0.363 J	0.299 J	0.459 J	0.278 J	0.37 J	0.344 J
Copper	50	1.5	1.51	1.26	1.5	1.37	0.84	1.27
Iron	2,000*[2]	862 EJ	991 JE	932 JE	1400 JE	1370	1150 EJ	1410
Lead	63	1.2	0.515 J	0.594 J	0.544 J	0.993	1.2	0.649 J
Magnesium	100(SB)*	37.6 J	86.9	69.2 J	65.5 NJ	51.5 J	59.3 J	52.2 J
Manganese	1,600	3.2	37.8	49.2	35.2 JE	11.4	44.8	10.4
Mercury	0.18	0.014	0.01 R	0.011 R	0.01 R	0.01 U	0.01 U	0.011 U
Nickel	30	1.4 U	0.597 J	0.538 J	0.706 J	0.577 J	0.19 J	0.58 J
Potassium	8,500(SB)*	35.7 J	17.9 NJ	144 NJ	136 U	49.6 J	31.5 J	48.5 J
Selenium	3.9	0.68 U	0.691 U	0.722 U	0.68 U	0.521 J	0.68 U	0.306 J
Silver	2	0.34 U	0.345 U	0.361 U	0.34 U	0.346 U	0.34 U	0.372 U
Sodium	6,000(SB)*	39.8 J	62.4 NJ	90 NJ	116 NJ	909 EJ	65.7 J	156 EJ
Thallium	---	1.4 U	1.38 U	1.44 U	1.36 U	1.38 U	1.4 U	1.49 U
Vanadium	150*[3]	1.2 J	1.37 J	1.27 J	1.5	1.67	1.5	1.76
Zinc	109	1.2 J	3.03	2.74	3.84	2.79	1.4 J	3.6

NOTES:

* TAGM 4046 Recommended Soil Cleanup Objective provided where the Part 375 Unrestricted Use guidance value is not published.

Reported value exceeds respective NYS Part 375 Unrestricted Use Cleanup Objective or (lowest background) TAGM 4046 guidance value.

--- indicates that a guidance value or soil cleanup objective value is not provided.

(SB) - State Background Value. Where SB value is given, the number represents lowest SB value as provided in Table 4 of TAGM 40406.

[1] For cobalt, recommended SCO is 30 or SB. SB ranges from 2.5 to 60 mg/kg.

[2] For iron, recommended SCO is 2,000 or SB. SB ranges from 2,000 to 550,000 mg/kg.

[3] For vanadium, recommended SCO is 150 or SB. SB ranges from 1 to 300 mg/kg.

LABORATORY/VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

E (Inorganics) - The reported value is estimated because of the presence of interference.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

N - Compound matrix spike recovery not within the required limits for these compounds.

Table 2
Metals Concentrations in Soil Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Analyte / Sample ID: / Depth: / Sampling Date: / Units:	Unrestricted Use Soil Cleanup Objective* (mg/kg)	KP-CB-4A-(23-24) 23-24' bgs 3/28/2008 (mg/kg)	KP-CB-4B-(22-23) 22-23' bgs 3/28/2008 (mg/kg)	KP-CB-4C-(19-20) 19-20' bgs 3/19/2008 (mg/kg)	KP-CB-4D-(23-24) 23-24' bgs 3/26/2008 (mg/kg)	KP-CB-5B-(23-24) 23-24' bgs 3/19/2008 (mg/kg)	KP-CB-5D-(22-23) 22-23' bgs 3/27/2008 (mg/kg)	KP-CB-5E- (21-22) 21-22' bgs 3/31/2008 (mg/kg)
Aluminum	33,000(SB)*	278 JE	451 JE	335 EJ	469 JE	693 EJ	432 JE	256 EJ
Antimony	---(SB)*	1.26 J	1.72 J	1.79 U	1.29 J	1.97 U	1.26 J	0.842 J
Arsenic	13	0.702 U	0.465 J	0.718 U	0.697 U	0.487 J	0.365 J	0.689 U
Barium	350	0.885 J	2.57 J	1.06 J	1.32 J	3.51 J	2.53 J	0.845 J
Beryllium	7.2	0.025 J	0.038 J	0.027 J	0.02 J	0.047 J	0.068 J	0.009 J
Cadmium	2.5	0.702 U	0.688 U	0.718 U	0.697 U	0.787 U	0.685 U	0.689 U
Calcium	130(SB)*	34.6 J	41.7 J	24.1 J	66.6 J	37.6 J	45.5 J	31.9 J
Chromium	30	1.87	4.95	1.41	1.73	3.74	6.05	0.851 EJ
Cobalt	30*[1]	0.162 J	0.585 J	0.189 J	0.331 J	0.345 J	0.66 J	0.158 J
Copper	50	0.843	1.53	0.84	3.32	1.28	2.64	1.07
Iron	2,000*[2]	687 JE	2050 JE	702	742 JE	1090	2980 JE	544
Lead	63	0.264 J	0.539 J	0.617 J	1.02	1.25	1.28	0.243 EJ
Magnesium	100(SB)*	65.6 NJ	126 NJ	49.9 J	42.2 J	72.7 J	84.6 NJ	50.8 J
Manganese	1,600	7.37 JE	21.2 JE	6.49	2.68	20.6	62.5 JE	31.7 EJ
Mercury	0.18	0.01 R	0.01 R	0.011 U	0.018	0.012 U	0.01 R	0.01 U
Nickel	30	0.261 J	0.636 J	0.489 J	0.603 NJ	1.82	1.11 J	0.433 J
Potassium	8,500(SB)*	45.3 J	72.1 J	37 J	20.2 J	40.6 J	22.7 J	23.9 J
Selenium	3.9	0.702 U	0.688 U	0.718 U	0.697 U	0.861	0.685 U	0.689 U
Silver	2	0.351 U	0.344 U	0.359 U	0.348 U	0.394 U	0.343 U	0.345 U
Sodium	6,000(SB)*	89.9 NJ	59.7 NJ	41.5 EJ	88.7 NJ	48.8 EJ	94.6 NJ	172
Thallium	---	1.4 U	1.38 U	1.44 U	1.39 U	1.57 U	1.37 U	1.38 U
Vanadium	150*[3]	0.947 J	1.45	1.25 J	0.956 J	1.69	3.09	0.723 EJ
Zinc	109	2.03	4.07	2.39	8.33	3.07	9.54	2.04

NOTES:

* TAGM 4046 Recommended Soil Cleanup Objective provided where the Part 375 Unrestricted Use guidance value is not published.

Reported value exceeds respective NYS Part 375 Unrestricted Use Cleanup Objective or (lowest background) TAGM 4046 guidance value.

--- indicates that a guidance value or soil cleanup objective value is not provided.

(SB) - State Background Value. Where SB value is given, the number represents lowest SB value as provided in Table 4 of TAGM 40406.

[1] For cobalt, recommended SCO is 30 or SB. SB ranges from 2.5 to 60 mg/kg.

[2] For iron, recommended SCO is 2,000 or SB. SB ranges from 2,000 to 550,000 mg/kg.

[3] For vanadium, recommended SCO is 150 or SB. SB ranges from 1 to 300 mg/kg.

LABORATORY/VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

E (Inorganics) - The reported value is estimated because of the presence of interference.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

N - Compound matrix spike recovery not within the required limits for these compounds.

Table 3a
Volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-SB-01-GW-25 25' bgs 3/24/2008 (ug/L)	KP-SB-01-GW-30 30' bgs 3/24/2008 (ug/L)	KP-SB-01-GW-40 40' bgs 3/24/2008 (ug/L)	KP-SB-01-GW-50 50' bgs 3/24/2008 (ug/L)	KP-SB-01-GW-60 60' bgs 3/24/2008 (ug/L)	KP-SB-02- GW-25 25' bgs 4/4/2008 (ug/L)	KP-SB-02- GW-30 30' bgs 4/4/2008 (ug/L)	KP-SB-02- GW-40 40' bgs 4/4/2008 (ug/L)	KP-SB-02- GW-40RE 40' bgs 4/4/2008 (ug/L)	KP-SB-02- GW-50 50' bgs 4/4/2008 (ug/L)	KP-SB-02- GW-60 60' bgs 4/4/2008 (ug/L)	KP-SB-03-GW-25 25' bgs 4/1/2008 (ug/L)
Volatile Organic Compounds													
Dichlorodifluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
Chloromethane	---	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Vinyl Chloride	2	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
Bromomethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
1,1,2-Trichlorotrifluoroethane	---	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
1,1-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Acetone	50*	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ	25 UJ	25 UJ	25 UJ	25 U	25 UJ	25 UJ	25 UJ
Carbon Disulfide	---	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	3.3 J	3.89 J	5 UJ	5 UJ	4.66 J	7.05 J	5 UJ
Methyl tert-butyl Ether	10	2.5 U	13.1	21.1	21.3	67.3	8.4 J	56.1	90.7 J	71.9	68.4 J	65.7 J	0.66 J
Methyl Acetate	---	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Methylene Chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Cyclohexane	---	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
2-Butanone	50	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ	25 U	25 U	25 U	25 U	4.24 J	25 U	25 UJ
Carbon Tetrachloride	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	71.8 J	5 UJ	5 UJ	5 U	5 UJ	5 UJ	3.95 J
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Methylcyclohexane	---	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
Benzene	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
1,2-Dichloroethane	0.6	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Trichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	3.72 J	5 UJ	5 UJ	5 U	5 UJ	5 UJ	1.81 J
1,2-Dichloropropane	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
Bromodichloromethane	50*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
4-Methyl-2-Pentanone	---	12 U	12 U	12 U	12 U	12 U	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
t-1,3-Dichloropropene	0.4**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
cis-1,3-Dichloropropene	0.4**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
1,1,2-Trichloroethane	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
2-Hexanone	---	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ
Dibromochloromethane	50	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
1,2-Dibromoethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Tetrachloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	6.88 J	5 U	5 U	5 UJ	5 U	5 U	93.9 J
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Ethyl Benzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ
m/p-Xylenes	5	5 U	5 U	5 U	5 U	5 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
o-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ
Bromoform	50*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
1,1,2,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
1,4-Dichlorobenzene	3	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
1,2-Dibromo-3-Chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

NR - Compound not analyzed or reported for that sample.

Table 3a
Volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-SB-03-GW-30 30' bgs 4/1/2008 (ug/L)	KP-SB-03-GW-40 40' bgs 4/1/2008 (ug/L)	KP-SB-03-GW-40DL 40' bgs 4/1/2008 (ug/L)	KP-SB-03-GW-50 50' bgs 4/1/2008 (ug/L)	KP-SB-03-GW-50DL 50' bgs 4/1/2008 (ug/L)	KP-SB-03-GW-60 60' bgs 4/1/2008 (ug/L)	KP-GW-DUP3 60' bgs 4/1/2008 (ug/L)	KP-SB-04-GW-30 30' bgs 4/2/2008 (ug/L)	KP-SB-04-GW-30RE 30' bgs 4/2/2008 (ug/L)	KP-SB-04-GW-40 40' bgs 4/2/2008 (ug/L)	KP-SB-04-GW-40DL 40' bgs 4/2/2008 (ug/L)	KP-SB-04-GW-50 50' bgs 4/2/2008 (ug/L)
Volatile Organic Compounds													
Dichlorodifluoromethane	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	25 U	5 UJ
Chloromethane	---	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	25 U	5 UJ
Vinyl Chloride	2	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 UJ	5 U
Bromomethane	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	25 UJ	5 UJ
Chloroethane	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 UJ	5 U
Trichlorofluoromethane	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 UJ	5 U
1,1,2-Trichlorotrifluoroethane	---	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	25 U	5 UJ
1,1-Dichloroethene	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
Acetone	50*	25 UJ	25 UJ	120 UJ	25 UJ	120 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	120 UJ	25 UJ
Carbon Disulfide	---	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
Methyl tert-butyl Ether	10	1.62 J	209 E	176 JD	137 E	143 JD	7.85 J	9.53	5 UJ	5 UJ	171 E	143 D	105 E
Methyl Acetate	---	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	25 U	5 UJ
Methylene Chloride	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	25 U	5 UJ
trans-1,2-Dichloroethene	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	25 U	5 UJ
1,1-Dichloroethane	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
Cyclohexane	---	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
2-Butanone	50	25 UJ	25 UJ	120 UJ	25 UJ	120 UJ	25 UJ	25 U	25 UJ	25 UJ	25 UJ	120 UJ	25 U
Carbon Tetrachloride	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 UJ	5 U
cis-1,2-Dichloroethene	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
Chloroform	7	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
1,1,1-Trichloroethane	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
Methylcyclohexane	---	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
Benzene	1	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
1,2-Dichloroethane	0.6	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
Trichloroethene	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
1,2-Dichloropropane	1	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
Bromodichloromethane	50*	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
4-Methyl-2-Pentanone	---	25 UJ	25 UJ	120 UJ	25 UJ	120 UJ	25 UJ	25 U	25 UJ	25 UJ	25 U	120 UJ	25 U
Toluene	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
t-1,3-Dichloropropene	0.4**	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 UJ	5 U
cis-1,3-Dichloropropene	0.4**	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 UJ	5 U
1,1,2-Trichloroethane	1	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	25 U	5 UJ
2-Hexanone	---	25 UJ	25 UJ	120 UJ	25 UJ	120 UJ	25 UJ	25 U	25 UJ	25 UJ	25 UJ	120 UJ	25 U
Dibromochloromethane	50	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
1,2-Dibromoethane	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 UJ	5 U
Tetrachloroethene	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 UJ	4.16 J	1.78 J	27.2 J	13.2 JD	12.9
Chlorobenzene	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
Ethyl Benzene	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 UJ	5 U
m/p-Xylenes	5	10 UJ	10 UJ	50 UJ	10 UJ	50 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	50 UJ	10 U
o-Xylene	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 UJ	5 U
Styrene	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 UJ	5 U
Bromoform	50*	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U	25 U	5 UJ
Isopropylbenzene	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
1,1,2,2-Tetrachloroethane	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 UJ	5 U
1,3-Dichlorobenzene	3	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
1,4-Dichlorobenzene	3	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 UJ	5 U
1,2-Dichlorobenzene	3	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 UJ	5 U
1,2-Dibromo-3-Chloropropane	0.04	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U
1,2,4-Trichlorobenzene	5	5 UJ	5 UJ	25 UJ	5 UJ	25 UJ	5 UJ	5 U	5 UJ	5 UJ	5 U	25 U	5 U

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

NR - Compound not analyzed or reported for that sample.

Table 3a
Volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID / Sample Depth / Sample Date / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-SB-04-GW-50DL 50' bgs 4/2/2008 (ug/L)	KP-SB-04-GW-60 60' bgs 4/2/2008 (ug/L)	KP-CB-1A-GW-30 30' bgs 3/20/2008 (ug/L)	KP-CB-1A-GW-40 40' bgs 3/20/2008 (ug/L)	KP-CB-1A-GW-50 50' bgs 3/20/2008 (ug/L)	KP-CB-1A-GW-60 60' bgs 3/20/2008 (ug/L)	KP-CB-1B- GW-25 25' bgs 4/4/2008 (ug/L)	KP-CB-1B- GW-30 30' bgs 4/4/2008 (ug/L)	KP-CB-1B- GW-30RE 30' bgs 4/4/2008 (ug/L)	KP-CB-1B- GW-40 40' bgs 4/4/2008 (ug/L)	KP-CB-1B- GW-50 50' bgs 4/4/2008 (ug/L)	KP-CB-1B- GW-60 60' bgs 4/4/2008 (ug/L)
Volatile Organic Compounds													
Dichlorodifluoromethane	5	25 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Chloromethane	---	25 U	5 UJ	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Vinyl Chloride	2	25 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
Bromomethane	5	25 UJ	5 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
Chloroethane	5	25 UJ	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	25 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichlorotrifluoroethane	---	25 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
Acetone	50*	120 UJ	25 UJ	15.4 J	14.9 J	14.1 J	14.3 J	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ
Carbon Disulfide	---	25 U	5 U	2.95 J	2.84 J	2.75 J	2.81 J	5 U	5 UJ	5 U	5 U	5 U	5 U
Methyl tert-butyl Ether	10	111 D	7.55	17.8 J	17.9 J	5.17 J	13.8 J	5 U	36.2 J	38 J	54.5	81.7	74.6
Methyl Acetate	---	25 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 U	5 U	5 U	5 U
Methylene Chloride	5	25 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5	25 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cyclohexane	---	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	50	120 UJ	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ	25 U	25 U	25 U	25 U
Carbon Tetrachloride	5	25 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U
cis-1,2-Dichloroethene	5	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Chloroform	7	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	5	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	---	25 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 U
Benzene	1	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
1,2-Dichloroethane	0.6	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	1	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	50*	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	---	120 UJ	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Toluene	5	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
t-1,3-Dichloropropene	0.4**	25 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	0.4**	25 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	1	25 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	---	120 UJ	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ	25 U	25 U	25 U	25 U
Dibromochloromethane	50	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	5	25 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
Tetrachloroethene	5	10.3 JD	3.4 J	5 UJ	5 UJ	5 UJ	5 UJ	2.2 J	5 UJ	5 U	5 U	5 U	5 U
Chlorobenzene	5	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethyl Benzene	5	25 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m/p-Xylenes	5	50 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
o-Xylene	5	25 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	25 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	50*	25 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	25 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	3	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	3	25 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	25 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-Chloropropane	0.04	25 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	5	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

NR - Compound not analyzed or reported for that sample.

Table 3a
Volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-CB-3A-GW-25 25' bgs 3/24/2008 (ug/L)	KP-CB-3A-GW-30 30' bgs 3/24/2008 (ug/L)	KP-CB-3A-GW-40 40' bgs 3/24/2008 (ug/L)	KP-CB-3A-GW-50 50' bgs 3/24/2008 (ug/L)	KP-CB-3A-GW-60 60' bgs 3/24/2008 (ug/L)	KP-CB-4A-GW-25 25' bgs 4/3/2008 (ug/L)	KP-CB-4A-GW-25RE 25' bgs 4/3/2008 (ug/L)	KP-CB-4A- GW-30 30' bgs 4/3/2008 (ug/L)	KP-CB-4A- GW-30RE 30' bgs 4/3/2008 (ug/L)	KP-CB-4A- GW-40 40' bgs 4/3/2008 (ug/L)	KP-CB-4A- GW-50 50' bgs 4/3/2008 (ug/L)	KP-CB-4A- GW-50RE 50' bgs 4/3/2008 (ug/L)
Volatile Organic Compounds													
Dichlorodifluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Chloromethane	---	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Vinyl Chloride	2	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 UJ	5 U	5 UJ	5 U	5 U	5 UJ
Bromomethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 UJ	5 U	5 UJ	5 U	5 U	5 UJ
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 UJ	5 U	5 UJ	5 U	5 U	5 UJ
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichlorotrifluoroethane	---	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 U	5 UJ	5 U	5 UJ	5 U	5 U	5 UJ
1,1-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 UJ	5 U	5 UJ	5 U	5 U	5 UJ
Acetone	50*	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ
Carbon Disulfide	---	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 UJ	5 U	5 UJ	5 U	5 U	5 UJ
Methyl tert-butyl Ether	10	2.5 U	2.5 U	18.4	21.3	15.9	4.74 J	4.07 J	14.3 J	14	33.8	89.9 J	106 J
Methyl Acetate	---	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 UJ	5 U	5 UJ	5 U	5 U	5 UJ
Methylene Chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cyclohexane	---	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	50	12 U	12 U	12 U	12 U	12 U	25 U	25 UJ	25 U	25 UJ	25 U	25 U	25 UJ
Carbon Tetrachloride	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	---	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Benzene	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	0.6	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	50*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	---	12 U	12 U	12 U	12 U	12 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
t-1,3-Dichloropropene	0.4**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 UJ	5 U	5 UJ	5 U	5 U	5 UJ
cis-1,3-Dichloropropene	0.4**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	---	12 U	12 U	12 U	12 U	12 U	25 U	25 UJ	25 U	25 UJ	25 U	25 U	25 UJ
Dibromochloromethane	50	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 UJ	5 U	5 UJ	5 U	5 U	5 UJ
Tetrachloroethene	5	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 U	5 UJ	5 U	5 UJ	5 U	5 U	5 UJ
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethyl Benzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m/p-Xylenes	5	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
o-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	50*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	3	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-Chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 UJ	5 U	5 UJ	5 U	5 U	5 UJ
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

NR - Compound not analyzed or reported for that sample.

Table 3a
Volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-CB-4A- GW-60 60' bgs 4/3/2008 (ug/L)	KP-CB-4B- GW-25 25' bgs 4/3/2008 (ug/L)	KP-CB-4B- GW-30 30' bgs 4/3/2008 (ug/L)	KP-CB-4B- GW-40 40' bgs 4/3/2008 (ug/L)	KP-CB-4B- GW-50 50' bgs 4/3/2008 (ug/L)	KP-CB-4B- GW-50RE 50' bgs 4/3/2008 (ug/L)	KP-CB-4B- GW-60 60' bgs 4/3/2008 (ug/L)	KP-CB-4C-GW-25 25' bgs 3/20/2008 (ug/L)	KP-CB-4C-GW-25DL 25' bgs 3/20/2008 (ug/L)	KP-CB-4C-30 30' bgs 3/20/2008 (ug/L)	KP-CB-4C-30RE 30' bgs 3/20/2008 (ug/L)	KP-CB-DUP1 30' bgs 3/20/2008 (ug/L)
Volatile Organic Compounds													
Dichlorodifluoromethane	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	25 UJ	5 UJ	5 UJ	5 UJ
Chloromethane	---	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	25 UJ	5 U	5 UJ	5 UJ
Vinyl Chloride	2	5 U	5 UJ	5 UJ	5 U	5 U	5 UJ	5 U	5 UJ	25 UJ	5 U	5 UJ	5 UJ
Bromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	25 UJ	5 U	5 U	5 UJ
Chloroethane	5	5 U	5 UJ	5 UJ	5 U	5 U	5 UJ	5 U	5 UJ	25 UJ	5 U	5 U	5 UJ
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	25 UJ	5 U	5 U	5 UJ
1,1,2-Trichlorotrifluoroethane	---	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	25 UJ	5 U	5 U	5 UJ
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	25 UJ	5 U	5 U	5 UJ
Acetone	50*	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	25 UJ	120 UJ	25 UJ	25 U	25 UJ
Carbon Disulfide	---	4.2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	25 UJ	5 U	5 UJ	10 J
Methyl tert-butyl Ether	10	81.4	40	69.1	63.2	66.9 J	67.7 J	148	110 EJ	78.9 JD	87.3 J	90 J	1140 JE
Methyl Acetate	---	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 UJ	5 UJ	5 UJ
Methylene Chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 UJ	5 UJ	5 UJ
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 UJ
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 UJ
Cyclohexane	---	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 UJ
2-Butanone	50	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	120 UJ	25 U	25 U	25 UJ
Carbon Tetrachloride	5	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U	5 UJ	5 U	25 UJ	5 U	5 U	5 R
cis-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 UJ
Chloroform	7	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 UJ
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 UJ
Methylcyclohexane	---	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U	5 UJ	5 U	25 UJ	5 UJ	5 U	5 R
Benzene	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
1,2-Dichloroethane	0.6	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 UJ
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 UJ	5 R
1,2-Dichloropropane	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
Bromodichloromethane	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
4-Methyl-2-Pentanone	---	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	120 UJ	25 U	25 U	2.05 J
Toluene	5	5 U	3.01 J	3.55 J	2.69 J	2.19 J	2.09 J	5 U	5 U	25 UJ	5 U	5 U	4.94 R
t-1,3-Dichloropropene	0.4**	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
cis-1,3-Dichloropropene	0.4**	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
1,1,2-Trichloroethane	1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
2-Hexanone	---	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	120 UJ	25 U	25 U	25 R
Dibromochloromethane	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
1,2-Dibromoethane	5	5 U	5 UJ	5 UJ	5 U	5 U	5 UJ	5 U	5 U	25 UJ	5 U	5 U	5 R
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
Chlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
Ethyl Benzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	17.4 J
m/p-Xylenes	5	10 U	3.75 J	2.96 J	2.68 J	2.43 J	10 U	10 U	0.82 UJB	50 UJ	1.57 UJB	10 U	47.6 JB
o-Xylene	5	5 U	1.76 J	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	15.5 J
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
Bromoform	50*	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
Isopropylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	3.44 J
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
1,3-Dichlorobenzene	3	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
1,4-Dichlorobenzene	3	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
1,2-Dichlorobenzene	3	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R
1,2-Dibromo-3-Chloropropane	0.04	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 UJ	5 U	5 R
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	25 UJ	5 U	5 U	5 R

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

NR - Compound not analyzed or reported for that sample.

Table 3a
Volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-CB-DUP1 DL 30' bgs 3/20/2008 (ug/L)	KP-CB-4C-GW-40 40' bgs 3/20/2008 (ug/L)	KP-CB-4C-GW-40DL 40' bgs 3/20/2008 (ug/L)	KP-CB-4C-GW-50 50' bgs 3/20/2008 (ug/L)	KP-CB-4C-GW-60 60' bgs 3/20/2008 (ug/L)	KP-CB-4C-GW-60DL 60' bgs 3/20/2008 (ug/L)	KP-CB-4D-GW-25 25' bgs 4/1/2008 (ug/L)	KP-CB-4D-GW-25RE 25' bgs 4/1/2008 (ug/L)	KP-CB-4D-GW-30 30' bgs 4/2/2008 (ug/L)	KP-CB-4D-GW-40 40' bgs 4/2/2008 (ug/L)	KP-CB-4D-GW-50 50' bgs 4/2/2008 (ug/L)	KP-CB-4D-GW-50DL 50' bgs 4/2/2008 (ug/L)
Volatile Organic Compounds													
Dichlorodifluoromethane	5	250 UJ	5 UJ	25 UJ	5 UJ	5 UJ	50 UJ	5 UJ	NR	5 UJ	5 UJ	5 UJ	25 U
Chloromethane	---	250 UJ	5 UJ	25 UJ	5 U	5 U	50 UJ	5 UJ	NR	5 UJ	5 UJ	5 UJ	25 U
Vinyl Chloride	2	250 U	5 U	25 UJ	5 U	5 U	50 U	5 UJ	NR	5 U	5 U	5 U	25 UJ
Bromomethane	5	250 UJ	5 UJ	25 UJ	5 U	5 U	50 UJ	5 UJ	NR	5 UJ	5 UJ	5 UJ	25 UJ
Chloroethane	5	250 U	5 U	25 UJ	5 UJ	5 UJ	50 U	5 UJ	NR	5 U	5 U	5 U	25 UJ
Trichlorofluoromethane	5	250 U	5 U	25 UJ	5 U	5 U	50 U	5 UJ	NR	5 U	5 U	5 U	25 UJ
1,1,2-Trichlorotrifluoroethane	---	250 UJ	5 UJ	25 UJ	5 U	5 U	50 UJ	5 UJ	NR	5 UJ	5 UJ	5 UJ	25 U
1,1-Dichloroethene	5	250 U	5 U	25 UJ	5 U	5 U	50 U	5 UJ	NR	5 U	5 U	5 U	25 U
Acetone	50*	1,200 UJ	25 UJ	120 UJ	13.3 J	14 J	250 UJ	25 UJ	NR	25 UJ	25 UJ	25 UJ	120 UJ
Carbon Disulfide	---	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 U
Methyl tert-butyl Ether	10	60 JD	101 E	186 JD	70.9	169 E	175 JD	21.6 J	NR	54.5	84.8	106 E	124 D
Methyl Acetate	---	250 UJ	5 UJ	25 UJ	5 UJ	5 UJ	50 UJ	5 UJ	NR	5 UJ	5 UJ	5 UJ	25 U
Methylene Chloride	5	250 UJ	5 UJ	25 UJ	5 UJ	5 UJ	50 UJ	5 UJ	NR	5 UJ	5 UJ	5 UJ	25 U
trans-1,2-Dichloroethene	5	250 UJ	5 UJ	25 UJ	5 U	5 U	50 UJ	5 UJ	NR	5 UJ	5 UJ	5 UJ	25 U
1,1-Dichloroethane	5	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 U
Cyclohexane	---	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 U
2-Butanone	50	1,200 U	25 U	120 UJ	25 U	25 U	250 U	25 UJ	NR	25 U	25 U	25 U	120 UJ
Carbon Tetrachloride	5	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 UJ
cis-1,2-Dichloroethene	5	250 U	5 U	25 UJ	5 U	5 U	50 U	1.2 J	NR	5 U	5 U	5 U	25 U
Chloroform	7	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 U
1,1,1-Trichloroethane	5	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 U
Methylcyclohexane	---	250 U	5 U	25 UJ	5 UJ	5 UJ	50 U	5 U	NR	5 U	5 U	5 U	25 U
Benzene	1	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 U
1,2-Dichloroethane	0.6	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 U
Trichloroethene	5	250 U	5 U	25 UJ	5 U	5 U	50 U	0.63 J	NR	5 U	5 U	5 U	25 U
1,2-Dichloropropane	1	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 U
Bromodichloromethane	50*	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 U
4-Methyl-2-Pentanone	---	1200 U	25 U	120 UJ	25 U	25 U	250 U	25 U	NR	25 U	25 U	25 U	120 UJ
Toluene	5	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 U
t-1,3-Dichloropropene	0.4**	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 UJ
cis-1,3-Dichloropropene	0.4**	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 UJ
1,1,2-Trichloroethane	1	250 UJ	5 U	25 UJ	5 U	5 U	50 UJ	5 UJ	NR	5 UJ	5 UJ	5 UJ	25 U
2-Hexanone	---	1200 UJ	25 U	120 UJ	25 U	25 U	250 UJ	25 UJ	NR	25 U	25 U	25 U	120 UJ
Dibromochloromethane	50	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 U
1,2-Dibromoethane	5	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 UJ
Tetrachloroethene	5	250 UJ	5 U	25 UJ	5 UJ	5 UJ	50 UJ	5 U	NR	5 U	5 U	5 U	25 UJ
Chlorobenzene	5	250 UJ	5 U	25 UJ	5 U	5 U	50 UJ	5 U	NR	5 U	5 U	5 U	25 U
Ethyl Benzene	5	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 UJ
m/p-Xylenes	5	500 UJ	10 U	50 UJ	10 U	10 U	100 UJ	10 U	NR	10 U	10 U	10 U	50 UJ
o-Xylene	5	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 UJ
Styrene	5	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 UJ
Bromoform	50*	250 UJ	5 U	25 UJ	5 U	5 U	50 UJ	5 U	NR	5 UJ	5 UJ	5 UJ	25 U
Isopropylbenzene	5	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 U
1,1,2,2-Tetrachloroethane	5	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 UJ
1,3-Dichlorobenzene	3	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 U
1,4-Dichlorobenzene	3	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 UJ
1,2-Dichlorobenzene	3	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 UJ
1,2-Dibromo-3-Chloropropane	0.04	250 U	5 U	25 UJ	5 UJ	5 UJ	50 U	5 U	NR	5 U	5 U	5 U	25 U
1,2,4-Trichlorobenzene	5	250 U	5 U	25 UJ	5 U	5 U	50 U	5 U	NR	5 U	5 U	5 U	25 U

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

NR - Compound not analyzed or reported for that sample.

Table 3a
Volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-CB-4D-GW-60 60' bgs 4/2/2008 (ug/L)	KP-CB-5B-GW-25 25' bgs 3/25/2008 (ug/L)	KP-CB-5B-GW-30 30' bgs 3/25/2008 (ug/L)	KP-CB-5B-GW-40 40' bgs 3/25/2008 (ug/L)	KP-CB-5B-GW-40DL 40' bgs 3/25/2008 (ug/L)	KP-CB-5B-GW-50 50' bgs 3/25/2008 (ug/L)	KP-CB-5B-GW-60 60' bgs 3/25/2008 (ug/L)	KP-CB-5D-GW-25 25' bgs 4/2/2008 (ug/L)	KP-CB-5D-GW-30 30' bgs 4/2/2008 (ug/L)	KP-CB-5D-GW-30DL 30' bgs 4/2/2008 (ug/L)	KP-CB-5D-GW-40 40' bgs 4/2/2008 (ug/L)	KP-CB-5D-GW-40DL 40' bgs 4/2/2008 (ug/L)
Volatile Organic Compounds													
Dichlorodifluoromethane	5	5 UJ	5 U	5 U	5 U	50 U	5 U	5 U	5 UJ	5 U	250 U	5 UJ	250 UJ
Chloromethane	---	5 UJ	5 U	5 U	5 U	50 U	5 U	5 U	5 UJ	5 U	250 U	5 UJ	250 U
Vinyl Chloride	2	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
Bromomethane	5	5 UJ	5 U	5 U	5 U	50 U	5 U	5 U	5 UJ	5 U	250 U	5 UJ	250 U
Chloroethane	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
1,1,2-Trichlorotrifluoroethane	---	5 UJ	5 U	5 UJ	5 UJ	50 U	5 UJ	5 UJ	5 UJ	5 U	250 U	5 UJ	250 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
Acetone	50*	25 UJ	25 UJ	25 UJ	25 UJ	250 UJ	25 UJ	25 UJ	25 UJ	25 U	1200 U	25 UJ	1200 UJ
Carbon Disulfide	---	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
Methyl tert-butyl Ether	10	36.9	5 U	5 U	239 E	219 D	131	112	1.53 J	161 E	90 JD	1306 E	857 D
Methyl Acetate	---	5 UJ	5 U	5 U	5 U	50 U	5 U	5 U	5 UJ	5 U	250 U	5 UJ	250 UJ
Methylene Chloride	5	5 UJ	5 U	5 U	5 U	50 U	5 U	5 U	5 UJ	5 U	250 U	5 UJ	250 U
trans-1,2-Dichloroethene	5	5 UJ	5 U	5 U	5 U	50 U	5 U	5 U	5 UJ	5 U	250 U	5 UJ	250 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
Cyclohexane	---	5 U	5 U	5 UJ	5 UJ	50 U	5 UJ	5 UJ	5 U	5 U	250 U	5 UJ	250 U
2-Butanone	50	25 U	25 U	25 U	25 U	250 U	25 U	25 U	25 UJ	25 U	1200 U	25 UJ	1200 UJ
Carbon Tetrachloride	5	5 U	5 U	5 UJ	5 UJ	50 U	5 UJ	5 UJ	5 U	5 U	250 U	5 UJ	250 U
cis-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
Chloroform	7	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
Methylcyclohexane	---	5 U	5 U	5 UJ	5 UJ	50 U	5 UJ	5 UJ	5 U	5 U	250 U	5 UJ	250 UJ
Benzene	1	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	0.82 J	250 U
1,2-Dichloroethane	0.6	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
Trichloroethene	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
1,2-Dichloropropane	1	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
Bromodichloromethane	50*	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
4-Methyl-2-Pentanone	---	25 U	25 U	25 U	25 U	250 U	25 U	25 U	25 U	25 U	1200 U	25 UJ	1200 UJ
Toluene	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
t-1,3-Dichloropropene	0.4**	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 UJ
cis-1,3-Dichloropropene	0.4**	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
1,1,2-Trichloroethane	1	5 UJ	5 U	5 U	5 U	50 U	5 U	5 U	5 UJ	5 U	250 U	5 UJ	250 U
2-Hexanone	---	25 U	25 U	25 U	25 U	250 U	25 U	25 U	25 UJ	25 U	1200 U	25 UJ	1200 UJ
Dibromochloromethane	50	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
1,2-Dibromoethane	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 UJ
Tetrachloroethene	5	5 U	1.65 J	5 UJ	5 UJ	50 UJ	5 UJ	5 UJ	18.6 J	5 U	250 U	5 UJ	250 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
Ethyl Benzene	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
m/p-Xylenes	5	10 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U	500 U	10 UJ	500 U
o-Xylene	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
Styrene	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
Bromoform	50*	5 UJ	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
Isopropylbenzene	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
1,3-Dichlorobenzene	3	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
1,4-Dichlorobenzene	3	5 U	5 U	5 UJ	5 UJ	50 U	5 UJ	5 UJ	5 U	5 U	250 U	5 UJ	250 U
1,2-Dichlorobenzene	3	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
1,2-Dibromo-3-Chloropropane	0.04	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U	250 U	5 UJ	250 U

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

NR - Compound not analyzed or reported for that sample.

Table 3a
Volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-CB-5D-GW-50 50' bgs 4/2/2008 (ug/L)	KP-CB-5D-GW-50DL 50' bgs 4/2/2008 (ug/L)	KP-CB-5D-GW-60 60' bgs 4/2/2008 (ug/L)	KP-CB-5D-GW-60DL 60' bgs 4/2/2008 (ug/L)	KP-CB-5E-GW-25 25' bgs 4/1/2008 (ug/L)	KP-CB-5E-GW-25DL 25' bgs 4/1/2008 (ug/L)	KP-GW-DUP2 25' bgs 4/1/2008 (ug/L)	KP-GW-DUP2-DL 25' bgs 4/1/2008 (ug/L)	KP-CB-5E-GW-30 30' bgs 4/1/2008 (ug/L)	KP-CB-5E-GW-40 40' bgs 4/1/2008 (ug/L)	KP-CB-5E-GW-50 50' bgs 4/1/2008 (ug/L)	KP-CB-5E-GW-60 60' bgs 4/1/2008 (ug/L)
Volatile Organic Compounds													
Dichlorodifluoromethane	5	5 UJ	250 UJ	5 UJ	250 UJ	5 UJ	250 UJ	5 UJ	50 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Chloromethane	---	5 UJ	250 U	5 UJ	250 U	5 UJ	250 UJ	5 UJ	50 UJ	5 UJ	5 U	5 UJ	5 UJ
Vinyl Chloride	2	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
Bromomethane	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 UJ	5 UJ	50 UJ	5 UJ	5 U	5 UJ	5 UJ
Chloroethane	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
Trichlorofluoromethane	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
1,1,2-Trichlorotrifluoroethane	---	5 UJ	250 U	5 UJ	250 U	5 UJ	250 UJ	5 UJ	50 UJ	5 UJ	5 U	5 UJ	5 UJ
1,1-Dichloroethene	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
Acetone	50*	25 UJ	1200 UJ	25 UJ	1200 UJ	25 UJ	1200 UJ	25 UJ	250 UJ	25 UJ	25 U	25 UJ	25 UJ
Carbon Disulfide	---	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
Methyl tert-butyl Ether	10	1622 E	768 D	1961 E	1020 D	5 UJ	250 U	5 U	50 U	2.3 J	60 J	98.1 J	231 E
Methyl Acetate	---	5 UJ	250 UJ	5 UJ	250 UJ	5 UJ	250 UJ	5 UJ	50 UJ	5 UJ	5 U	5 UJ	5 UJ
Methylene Chloride	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 UJ	5 UJ	50 U	5 UJ	5 U	5 UJ	5 UJ
trans-1,2-Dichloroethene	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 UJ	1.3 UJ	50 U	5 UJ	5 U	5 UJ	5 UJ
1,1-Dichloroethane	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
Cyclohexane	---	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
2-Butanone	50	25 UJ	1200 UJ	25 UJ	1200 UJ	25 UJ	1200 U	25 U	250 U	25 U	25 U	25 U	25 UJ
Carbon Tetrachloride	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
cis-1,2-Dichloroethene	5	5 UJ	250 U	5 UJ	250 U	671 E	192 JD	315 E	212 D	5 U	5 U	5 U	5 UJ
Chloroform	7	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
1,1,1-Trichloroethane	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
Methylcyclohexane	---	5 UJ	250 UJ	5 UJ	250 UJ	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
Benzene	1	5 UJ	250 U	1.52 J	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
1,2-Dichloroethane	0.6	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
Trichloroethene	5	5 UJ	250 U	5 UJ	250 U	90 J	250 U	43.9	33.5 JD	5 U	5 U	5 U	5 UJ
1,2-Dichloropropane	1	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
Bromodichloromethane	50*	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
4-Methyl-2-Pentanone	---	25 UJ	1200 UJ	25 UJ	1200 UJ	25 UJ	1200 U	25 U	250 U	25 U	25 U	25 U	25 UJ
Toluene	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
t-1,3-Dichloropropene	0.4**	5 UJ	250 UJ	5 UJ	250 UJ	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
cis-1,3-Dichloropropene	0.4**	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
1,1,2-Trichloroethane	1	5 UJ	250 U	5 UJ	250 U	5 UJ	250 UJ	5 UJ	50 UJ	5 UJ	5 U	5 UJ	5 UJ
2-Hexanone	---	25 UJ	1200 UJ	25 UJ	1200 UJ	25 UJ	1200 U	25 U	250 U	25 U	25 U	25 U	25 UJ
Dibromochloromethane	50	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
1,2-Dibromoethane	5	5 UJ	250 UJ	5 UJ	250 UJ	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
Tetrachloroethene	5	5 UJ	250 U	5 UJ	250 U	1357 E	342 JD	571 E	429 JD	13.5 J	5 U	5 UJ	3.31 J
Chlorobenzene	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
Ethyl Benzene	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
m/p-Xylenes	5	10 UJ	500 U	10 UJ	500 U	10 UJ	500 U	10 U	100 U	10 U	10 U	10 U	10 UJ
o-Xylene	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
Styrene	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
Bromoform	50*	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 UJ	50 U	5 U	5 U	5 UJ	5 UJ
Isopropylbenzene	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
1,1,2,2-Tetrachloroethane	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
1,3-Dichlorobenzene	3	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
1,4-Dichlorobenzene	3	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
1,2-Dichlorobenzene	3	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
1,2-Dibromo-3-Chloropropane	0.04	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ
1,2,4-Trichlorobenzene	5	5 UJ	250 U	5 UJ	250 U	5 UJ	250 U	5 U	50 U	5 U	5 U	5 U	5 UJ

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

NR - Compound not analyzed or reported for that sample.

Table 3a
Volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-CB-5E-GW-60DL 60' bgs 4/1/2008 (ug/L)	MW-1 55-65' bgs 3/31/2008 (ug/L)	MW-1 55-65' bgs 6/24/2008 (ug/L)	MW-2 55-65' bgs 6/24/2008 (ug/L)	MW-2 DL 55-65' bgs 6/24/2008 (ug/L)	MW-3 53-63' bgs 6/24/2008 (ug/L)	MW-3 DL 53-63' bgs 6/24/2008 (ug/L)
Volatile Organic Compounds								
Dichlorodifluoromethane	5	50 U	5 UJ	5 UJ	5 UJ	10 UJ	5 UJ	250 UJ
Chloromethane	---	50 UJ	5 UJ	5 U	5 U	10 U	5 U	250 U
Vinyl Chloride	2	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
Bromomethane	5	50 UJ	5 UJ	5 U	5 U	10 U	5 U	250 U
Chloroethane	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
Trichlorofluoromethane	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
1,1,2-Trichlorotrifluoroethane	---	50 UJ	5 UJ	5 U	5 U	10 U	5 U	250 U
1,1-Dichloroethene	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
Acetone	50*	250 UJ	25 UJ	25 UJ	117 J	101 JD	25 UJ	1,200 UJ
Carbon Disulfide	---	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
Methyl tert-butyl Ether	10	78 D	5 UJ	8.76	9.08 U	7.84 JD	5 U	250 U
Methyl Acetate	---	50 UJ	5 UJ	5 U	5 U	10 U	5 U	250 U
Methylene Chloride	5	50 UJ	5 UJ	5 U	5 U	10 U	5 U	250 U
trans-1,2-Dichloroethene	5	50 UJ	5 UJ	5 U	5 U	10 U	5 U	250 U
1,1-Dichloroethane	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
Cyclohexane	---	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
2-Butanone	50	250 U	25 UJ	25 U	22.2 J	20.2 JD	25 U	1,200 U
Carbon Tetrachloride	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
cis-1,2-Dichloroethene	5	50 U	5 UJ	5 U	101 EJ	79.1 D	143 E	116 JD
Chloroform	7	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
1,1,1-Trichloroethane	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
Methylcyclohexane	---	50 U	5 UJ	5 UJ	5 UJ	10 UJ	5 UJ	250 UJ
Benzene	1	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
1,2-Dichloroethane	0.6	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
Trichloroethene	5	50 U	5 UJ	5 U	29.6	22.5 D	21.8	250 U
1,2-Dichloropropane	1	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
Bromodichloromethane	50*	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
4-Methyl-2-Pentanone	---	250 U	25 UJ	25 U	25 U	50 U	25 U	1,200 U
Toluene	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
t-1,3-Dichloropropene	0.4**	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
cis-1,3-Dichloropropene	0.4**	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
1,1,2-Trichloroethane	1	50 UJ	5 UJ	5 U	5 U	10 U	5 U	250 U
2-Hexanone	---	250 U	25 UJ	25 U	25 U	50 U	25 U	1,200 U
Dibromochloromethane	50	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
1,2-Dibromoethane	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
Tetrachloroethene	5	50 UJ	5 UJ	2.39 UJ	10.3 J	7.75 JD	1303 E	539.5 JD
Chlorobenzene	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
Ethyl Benzene	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
m/p-Xylenes	5	100 U	10 UJ	10 U	10 U	20 U	10 U	500 U
o-Xylene	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
Styrene	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
Bromoform	50*	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
Isopropylbenzene	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
1,1,2,2-Tetrachloroethane	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
1,3-Dichlorobenzene	3	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
1,4-Dichlorobenzene	3	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U
1,2-Dichlorobenzene	3	50 U	5 UJ	5 U	3.86 J	3.2 JD	5 U	250 U
1,2-Dibromo-3-Chloropropane	0.04	50 U	5 UJ	5 UJ	5 UJ	10 UJ	5 UJ	250 U
1,2,4-Trichlorobenzene	5	50 U	5 UJ	5 U	5 U	10 U	5 U	250 U

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

NR - Compound not analyzed or reported for that sample.

Table 3b
Semi-volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-SB-01-GW-25 25' bgs 3/24/2008 (ug/L)	KP-SB-01-GW-30 30' bgs 3/24/2008 (ug/L)	KP-SB-01-GW-40 40' bgs 3/24/2008 (ug/L)	KP-SB-01-GW-50 50' bgs 3/24/2008 (ug/L)	KP-SB-01-GW-60 60' bgs 3/24/2008 (ug/L)	KP-SB-02- GW-25 25' bgs 4/4/2008 (ug/L)	KP-SB-02- GW-30 30' bgs 4/4/2008 (ug/L)	KP-SB-02- GW-40 40' bgs 4/4/2008 (ug/L)	KP-SB-02- GW-50 50' bgs 4/4/2008 (ug/L)	KP-SB-02- GW-60 60' bgs 4/4/2008 (ug/L)	KP-SB-03-GW-25 25' bgs 4/1/2008 (ug/L)	KP-SB-03-GW-30 30' bgs 4/1/2008 (ug/L)
Semi-volatile Organic Compounds													
Benzaldehyde	---	11 UJ	10 UJ	10 UJ	10 UJ	10 UJ	11 UJ	10 UJ	11 UJ	11 UJ	11 UJ	10 R	10 R
Phenol	1	11 R	10 R	10 R	10 R	10 R	11 R	10 U	11 R	11 R	11 R	10 U	10 R
bis(2-Chloroethyl)ether	1	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
2-Chlorophenol	---	11 R	10 R	10 R	10 R	10 R	11 R	10 U	11 R	11 R	11 R	10 U	10 R
2-Methylphenol	---	11 R	10 R	10 R	10 R	10 R	11 R	10 U	11 R	11 R	11 R	10 UJ	10 R
2,2-oxybis(1-Chloropropane)	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Acetophenone	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
3+4-Methylphenols	---	11 R	10 R	10 R	10 R	10 R	11 R	10 U	11 R	11 R	11 R	10 UJ	10 R
N-Nitroso-di-n-propylamine	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Hexachloroethane	5	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Nitrobenzene	0.4	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Isophorone	50*	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
2-Nitrophenol	---	11 R	10 R	10 R	10 R	10 R	11 R	10 U	11 R	11 R	11 R	10 U	10 R
2,4-Dimethylphenol	50*	11 R	10 R	10 R	10 R	10 R	11 R	10 U	11 R	11 R	11 R	10 UJ	10 R
bis(2-Chloroethoxy)methane	5	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
2,4-Dichlorophenol	5	11 R	10 R	10 R	10 R	10 R	11 R	10 U	11 R	11 R	11 R	10 U	10 R
Naphthalene	10*	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
4-Chloroaniline	5	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 UJ	10 UJ
Hexachlorobutadiene	0.5	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Caprolactam	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
4-Chloro-3-methylphenol	---	11 R	10 R	10 R	10 R	10 R	11 R	10 U	11 R	11 R	11 R	10 U	10 R
2-Methylnaphthalene	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Hexachlorocyclopentadiene	5	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
2,4,6-Trichlorophenol	---	11 R	10 R	10 R	10 R	10 R	11 R	10 U	11 R	11 R	11 R	10 U	10 R
2,4,5-Trichlorophenol	---	11 R	10 R	10 R	10 R	10 R	11 R	10 U	11 R	11 R	11 R	10 U	10 R
1,1-Biphenyl	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
2-Chloronaphthalene	10*	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
2-Nitroaniline	5	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Dimethylphthalate	50*	11 UJ	10 UJ	10 UJ	10 UJ	10 UJ	11 UJ	10 UJ	11 UJ	11 UJ	11 UJ	10 UJ	10 UJ
Acenaphthylene	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
2,6-Dinitrotoluene	5	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
3-Nitroaniline	5	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Acenaphthene	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
2,4-Dinitrophenol	10*	11 R	10 R	10 R	10 R	10 R	11 R	10 UJ	11 R	11 R	11 R	10 UJ	10 R
4-Nitrophenol	---	11 R	10 R	10 R	10 R	10 R	11 R	10 UJ	11 R	11 R	11 R	10 U	10 R
Dibenzofuran	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
2,4-Dinitrotoluene	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Diethylphthalate	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
4-Chlorophenyl-phenylether	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Fluorene	50*	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
4-Nitroaniline	5	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
4,6-Dinitro-2-methylphenol	---	11 R	10 R	10 R	10 R	10 R	11 R	10 UJ	11 R	11 R	11 R	10 UJ	10 R
N-Nitrosodiphenylamine	50*	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
4-Bromophenyl-phenylether	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Hexachlorobenzene	0.04	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Atrazine	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 UJ	10 UJ
Pentachlorophenol	1	11 R	10 R	10 R	10 R	10 R	11 R	10 UJ	11 R	11 R	11 R	10 UJ	10 R
Phenanthrene	50	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Anthracene	50*	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Carbazole	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Di-n-butylphthalate	50	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Fluoranthene	50*	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Pyrene	50	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Butylbenzylphthalate	50*	11 U	10 U	10 U	10 U	10 U	11 U	1.8 J	11 U	11 U	11 U	10 U	10 U
3,3-Dichlorobenzidine	5	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Benzo(a)anthracene	0.002*	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Chrysene	0.002*	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	5	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Di-n-octyl phthalate	50*	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Benzo(a)pyrene	ND	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Dibenz(a,h)anthracene	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
Benzo(g,h,i)perylene	---	11 U	10 U	10 U	10 U	10 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value
**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

R - The value was rejected by the data validator.

NR - Compound not analyzed or reported for that sample.

Table 3b
Semi-volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-SB-03-GW-40 40' bgs 4/1/2008 (ug/L)	KP-SB-03-GW-50 50' bgs 4/1/2008 (ug/L)	KP-SB-03-GW-60 60' bgs 4/1/2008 (ug/L)	KP-GW-DUP3 60' bgs 4/1/2008 (ug/L)	KP-SB-04-GW-30 30' bgs 4/2/2008 (ug/L)	KP-SB-04-GW-30RE 30' bgs 4/2/2008 (ug/L)	KP-SB-04-GW-40 40' bgs 4/2/2008 (ug/L)	KP-SB-04-GW-50 50' bgs 4/2/2008 (ug/L)	KP-SB-04-GW-60 60' bgs 4/2/2008 (ug/L)	KP-CB-1A-GW-30 30' bgs 3/20/2008 (ug/L)	KP-CB-1A-GW-40 40' bgs 3/20/2008 (ug/L)	KP-CB-1A-GW-50 50' bgs 3/20/2008 (ug/L)
Semi-volatile Organic Compounds													
Benzaldehyde	---	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 UJ	11 UJ	10 UJ
Phenol	1	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	11 R	10 R
bis(2-Chloroethyl)ether	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
2-Chlorophenol	---	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 J	11 R	10 R
2-Methylphenol	---	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	11 R	10 R
2,2-oxybis(1-Chloropropane)	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Acetophenone	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
3+4-Methylphenols	---	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	11 R	10 R
N-Nitroso-di-n-propylamine	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Hexachloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Nitrobenzene	0.4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Isophorone	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
2-Nitrophenol	---	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 J	11 R	10 R
2,4-Dimethylphenol	50*	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 UJ	11 R	10 R
bis(2-Chloroethoxy)methane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
2,4-Dichlorophenol	5	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 J	11 R	10 R
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
4-Chloroaniline	5	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	11 UJ	10 UJ
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Caprolactam	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
4-Chloro-3-methylphenol	---	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	11 R	10 R
2-Methylnaphthalene	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	11 U	10 U
2,4,6-Trichlorophenol	---	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 J	11 R	10 R
2,4,5-Trichlorophenol	---	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 J	11 R	10 R
1,1-Biphenyl	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
2-Chloronaphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
2-Nitroaniline	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Dimethylphthalate	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 J	11 J	10 J
Acenaphthylene	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
2,6-Dinitrotoluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
3-Nitroaniline	5	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	11 U	10 U
Acenaphthene	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
2,4-Dinitrophenol	10*	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 J	11 R	10 R
4-Nitrophenol	---	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 J	11 R	10 R
Dibenzofuran	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
2,4-Dinitrotoluene	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Diethylphthalate	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
4-Chlorophenyl-phenylether	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
4-Nitroaniline	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
4,6-Dinitro-2-methylphenol	---	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 J	11 R	10 R
N-Nitrosodiphenylamine	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
4-Bromophenyl-phenylether	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Atrazine	---	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Pentachlorophenol	1	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 J	11 R	10 R
Phenanthrene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Carbazole	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Di-n-butylphthalate	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Pyrene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Butylbenzylphthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
3,3-Dichlorobenzidine	5	10 U	10 U	10 U	10 U	10 R	10 UJ	10 UJ	10 UJ	10 UJ	10 R	11 R	10 R
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Di-n-octyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Dibenz(a,h)anthracene	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Benzo(g,h,i)perylene	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value
**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

R - The value was rejected by the data validator.

NR - Compound not analyzed or reported for that sample.

Table 3b
Semi-volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-CB-1A-GW-60 60' bgs 3/20/2008 (ug/L)	KP-CB-1B- GW-25 25' bgs 4/4/2008 (ug/L)	KP-CB-1B- GW-30 30' bgs 4/4/2008 (ug/L)	KP-CB-1B- GW-40 40' bgs 4/4/2008 (ug/L)	KP-CB-1B- GW-50 50' bgs 4/4/2008 (ug/L)	KP-CB-1B- GW-60 60' bgs 4/4/2008 (ug/L)	KP-CB-3A-GW-25 25' bgs 3/24/2008 (ug/L)	KP-CB-3A-GW-30 30' bgs 3/24/2008 (ug/L)	KP-CB-3A-GW-40 40' bgs 3/24/2008 (ug/L)	KP-CB-3A-GW-50 50' bgs 3/24/2008 (ug/L)	KP-CB-3A-GW-60 60' bgs 3/24/2008 (ug/L)	KP-CB-4A-GW-25 25' bgs 4/3/2008 (ug/L)
Semi-volatile Organic Compounds													
Benzaldehyde	---	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	11 UJ	10 UJ	10 UJ	11 UJ	11 R	11 UJ	10 UJ
Phenol	1	10 R	10 J	11 R	11 R	11 R	11 R	10 UJ	10 R	11 R	11 UJ	11 R	10 J
bis(2-Chloroethyl)ether	1	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
2-Chlorophenol	---	10 R	10 J	11 R	11 R	11 R	11 R	10 UJ	10 R	11 R	11 UJ	11 R	10 J
2-Methylphenol	---	10 R	10 J	11 R	11 R	11 R	11 R	10 UJ	10 R	11 R	11 UJ	11 R	10 J
2,2-oxybis(1-Chloropropane)	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Acetophenone	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
3+4-Methylphenols	---	10 R	10 J	11 R	11 R	11 R	11 R	10 UJ	10 R	11 R	11 UJ	11 R	10 J
N-Nitroso-di-n-propylamine	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Hexachloroethane	5	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Nitrobenzene	0.4	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Isophorone	50*	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
2-Nitrophenol	---	10 R	10 J	11 R	11 R	11 R	11 R	10 UJ	10 R	11 R	11 UJ	11 R	10 J
2,4-Dimethylphenol	50*	10 R	10 J	11 R	11 R	11 R	11 R	10 UJ	10 R	11 R	11 UJ	11 R	10 J
bis(2-Chloroethoxy)methane	5	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
2,4-Dichlorophenol	5	10 R	10 J	11 R	11 R	11 R	11 R	10 UJ	10 R	11 R	11 UJ	11 R	10 J
Naphthalene	10*	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
4-Chloroaniline	5	10 UJ	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Caprolactam	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
4-Chloro-3-methylphenol	---	10 R	10 J	11 R	11 R	11 R	11 R	10 UJ	10 R	11 R	11 UJ	11 R	10 J
2-Methylnaphthalene	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Hexachlorocyclopentadiene	5	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
2,4,6-Trichlorophenol	---	10 R	10 J	11 R	11 R	11 R	11 R	10 UJ	10 R	11 R	11 UJ	11 R	10 J
2,4,5-Trichlorophenol	---	10 R	10 J	11 R	11 R	11 R	11 R	10 UJ	10 R	11 R	11 UJ	11 R	10 J
1,1-Biphenyl	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
2-Chloronaphthalene	10*	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
2-Nitroaniline	5	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Dimethylphthalate	50*	10 J	10 UJ	11 UJ	11 UJ	11 UJ	11 UJ	10 UJ	10 UJ	11 UJ	11 R	11 UJ	10 U
Acenaphthylene	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
2,6-Dinitrotoluene	5	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
3-Nitroaniline	5	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Acenaphthene	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
2,4-Dinitrophenol	10*	10 R	10 J	11 R	11 R	11 R	11 R	10 UJ	10 R	11 R	11 UJ	11 R	10 J
4-Nitrophenol	---	10 R	10 J	11 R	11 R	11 R	11 R	10 UJ	10 R	11 R	11 UJ	11 R	10 J
Dibenzofuran	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
2,4-Dinitrotoluene	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Diethylphthalate	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
4-Chlorophenyl-phenylether	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Fluorene	50*	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
4-Nitroaniline	5	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
4,6-Dinitro-2-methylphenol	---	10 R	10 J	11 R	11 R	11 R	11 R	10 UJ	10 R	11 R	11 UJ	11 R	10 J
N-Nitrosodiphenylamine	50*	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
4-Bromophenyl-phenylether	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Hexachlorobenzene	0.04	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Atrazine	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Pentachlorophenol	1	10 R	10 J	11 R	11 R	11 R	11 R	10 UJ	10 R	11 R	11 UJ	11 R	10 J
Phenanthrene	50	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Anthracene	50*	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Carbazole	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Di-n-butylphthalate	50	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Fluoranthene	50*	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Pyrene	50	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Butylbenzylphthalate	50*	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
3,3-Dichlorobenzidine	5	10 R	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Chrysene	0.002*	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
bis(2-Ethylhexyl)phthalate	5	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Di-n-octyl phthalate	50*	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Dibenz(a,h)anthracene	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U
Benzo(g,h,i)perylene	---	10 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 R	11 U	10 U

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value
**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

R - The value was rejected by the data validator.

NR - Compound not analyzed or reported for that sample.

Table 3b
Semi-volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-CB-4A-GW-25RE 25' bgs 4/3/2008 (ug/L)	KP-CB-4A- GW-30 30' bgs 4/3/2008 (ug/L)	KP-CB-4A- GW-40 40' bgs 4/3/2008 (ug/L)	KP-CB-4A- GW-50 50' bgs 4/3/2008 (ug/L)	KP-CB-4A- GW-50RE 50' bgs 4/3/2008 (ug/L)	KP-CB-4A- GW-60 60' bgs 4/3/2008 (ug/L)	KP-CB-4B- GW-25 25' bgs 4/3/2008 (ug/L)	KP-CB-4B- GW-30 30' bgs 4/3/2008 (ug/L)	KP-CB-4B- GW-40 40' bgs 4/3/2008 (ug/L)	KP-CB-4B- GW-50 50' bgs 4/3/2008 (ug/L)	KP-CB-4B- GW-50RE 50' bgs 4/3/2008 (ug/L)	KP-CB-4B- GW-60 60' bgs 4/3/2008 (ug/L)
Semi-volatile Organic Compounds													
Benzaldehyde	---	10 UJ	11 UJ	11 UJ	11 UJ	11 UJ	10 UJ	10 UJ	10 UJ	11 UJ	11 UJ	11 UJ	11 UJ
Phenol	1	10 J	11 U	11 R	11 R	11 R	10 R	10 U	10 R	11 R	11 R	11 R	11 R
bis(2-Chloroethyl)ether	1	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
2-Chlorophenol	---	10 J	11 U	11 R	11 R	11 R	10 R	10 U	10 R	11 R	11 R	11 R	11 R
2-Methylphenol	---	10 J	11 U	11 R	11 R	11 R	10 R	10 U	10 R	11 R	11 R	11 R	11 R
2,2-oxybis(1-Chloropropane)	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Acetophenone	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
3+4-Methylphenols	---	10 J	11 U	11 R	11 R	11 R	10 R	10 U	10 R	11 R	11 R	11 R	11 R
N-Nitroso-di-n-propylamine	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Hexachloroethane	5	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Nitrobenzene	0.4	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Isophorone	50*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
2-Nitrophenol	---	10 J	11 U	11 R	11 R	11 R	10 R	10 U	10 R	11 R	11 R	11 R	11 R
2,4-Dimethylphenol	50*	10 J	11 U	11 R	11 R	11 R	10 R	10 U	10 R	11 R	11 R	11 R	11 R
bis(2-Chloroethoxy)methane	5	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
2,4-Dichlorophenol	5	10 J	11 U	11 R	11 R	11 R	10 R	10 U	10 R	11 R	11 R	11 R	11 R
Naphthalene	10*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
4-Chloroaniline	5	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Hexachlorobutadiene	0.5	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Caprolactam	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
4-Chloro-3-methylphenol	---	10 J	11 U	11 R	11 R	11 R	10 R	10 U	10 R	11 R	11 R	11 R	11 R
2-Methylnaphthalene	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Hexachlorocyclopentadiene	5	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
2,4,6-Trichlorophenol	---	10 J	11 U	11 R	11 R	11 R	10 R	10 U	10 R	11 R	11 R	11 R	11 R
2,4,5-Trichlorophenol	---	10 J	11 U	11 R	11 R	11 R	10 R	10 U	10 R	11 R	11 R	11 R	11 R
1,1-Biphenyl	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
2-Chloronaphthalene	10*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
2-Nitroaniline	5	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Dimethylphthalate	50*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Acenaphthylene	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
2,6-Dinitrotoluene	5	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
3-Nitroaniline	5	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Acenaphthene	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
2,4-Dinitrophenol	10*	10 J	11 UJ	11 R	11 R	11 R	10 R	10 UJ	10 R	11 R	11 R	11 R	11 R
4-Nitrophenol	---	10 J	11 U	11 R	11 R	11 R	10 R	10 U	10 R	11 R	11 R	11 R	11 R
Dibenzofuran	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
2,4-Dinitrotoluene	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Diethylphthalate	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
4-Chlorophenyl-phenylether	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Fluorene	50*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
4-Nitroaniline	5	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
4,6-Dinitro-2-methylphenol	---	10 J	11 UJ	11 R	11 R	11 R	10 R	10 UJ	10 R	11 R	11 R	11 R	11 R
N-Nitrosodiphenylamine	50*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
4-Bromophenyl-phenylether	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Hexachlorobenzene	0.04	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Atrazine	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Pentachlorophenol	1	10 J	11 U	11 R	11 R	11 R	10 R	10 U	10 R	11 R	11 R	11 R	11 R
Phenanthrene	50	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Anthracene	50*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Carbazole	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Di-n-butylphthalate	50	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Fluoranthene	50*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Pyrene	50	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Butylbenzylphthalate	50*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
3,3-Dichlorobenzidine	5	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Benzo(a)anthracene	0.002*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Chrysene	0.002*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
bis(2-Ethylhexyl)phthalate	5	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Di-n-octyl phthalate	50*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Benzo(b)fluoranthene	0.002*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Benzo(k)fluoranthene	0.002*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Benzo(a)pyrene	ND	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Dibenz(a,h)anthracene	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U
Benzo(g,h,i)perylene	---	10 U	11 U	11 U	11 U	11 U	10 U	10 U	10 U	11 U	11 U	11 U	11 U

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value
**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

R - The value was rejected by the data validator.

NR - Compound not analyzed or reported for that sample.

Table 3b
Semi-volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-CB-4C-GW-25 25' bgs 3/20/2008 (ug/L)	KP-CB-4C-30 30' bgs 3/20/2008 (ug/L)	KP-CB-4C-30RE 30' bgs 3/20/2008 (ug/L)	KP-CB-DUP1 30' bgs 3/20/2008 (ug/L)	KP-CB-4C-GW-40 40' bgs 3/20/2008 (ug/L)	KP-CB-4C-GW-50 50' bgs 3/20/2008 (ug/L)	KP-CB-4C-GW-60 60' bgs 3/20/2008 (ug/L)	KP-CB-4D-GW-25 25' bgs 4/1/2008 (ug/L)	KP-CB-4D-GW-25RE 25' bgs 4/1/2008 (ug/L)	KP-CB-4D-GW-30 30' bgs 4/2/2008 (ug/L)	KP-CB-4D-GW-40 40' bgs 4/2/2008 (ug/L)	KP-CB-4D-GW-50 50' bgs 4/2/2008 (ug/L)
Semi-volatile Organic Compounds													
Benzaldehyde	---	11 UJ	11 UJ	11 UJ	10 UJ	10 UJ	10 UJ	10 UJ	17 R	17 R	10 R	10 R	10 R
Phenol	1	11 R	11 R	11 R	10 R	10 R	10 R	10 R	17 R	17 R	10 R	10 R	10 R
bis(2-Chloroethyl)ether	1	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
2-Chlorophenol	---	11 UJ	11 R	11 R	10 R	10 R	10 R	10 R	17 R	17 R	10 R	10 R	10 R
2-Methylphenol	---	11 R	11 R	11 R	10 R	10 R	10 R	10 R	17 R	17 R	10 R	10 R	10 R
2,2-oxybis(1-Chloropropane)	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Acetophenone	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
3+4-Methylphenols	---	11 R	11 R	11 R	10 R	10 R	10 R	10 R	2.839 R	2.789 R	10 R	10 R	10 R
N-Nitroso-di-n-propylamine	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Hexachloroethane	5	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Nitrobenzene	0.4	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Isophorone	50*	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
2-Nitrophenol	---	11 U	11 R	11 R	10 R	10 R	10 R	10 R	17 R	17 R	10 R	10 R	10 R
2,4-Dimethylphenol	50*	11 UJ	11 R	11 R	10 R	10 R	10 R	10 R	17 R	17 R	10 R	10 R	10 R
bis(2-Chloroethoxy)methane	5	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	11 UJ	11 R	11 R	10 R	10 R	10 R	10 R	17 R	17 R	10 R	10 R	10 R
Naphthalene	10*	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
4-Chloroaniline	5	11 UJ	11 UJ	11 UJ	10 UJ	10 UJ	10 UJ	10 UJ	17 R	17 R	10 UJ	10 UJ	10 UJ
Hexachlorobutadiene	0.5	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Caprolactam	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	---	11 R	11 R	11 R	10 R	10 R	10 R	10 R	17 R	17 R	10 R	10 R	10 R
2-Methylnaphthalene	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 UJ	10 U	10 U
2,4,6-Trichlorophenol	---	11 UJ	11 R	11 R	10 R	10 R	10 R	10 R	17 R	17 R	10 R	10 R	10 R
2,4,5-Trichlorophenol	---	11 U	11 R	11 R	10 R	10 R	10 R	10 R	17 R	17 R	10 R	10 R	10 R
1,1-Biphenyl	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
2-Chloronaphthalene	10*	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
2-Nitroaniline	5	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Dimethylphthalate	50*	11 J	11 J	11 J	10 J	10 J	10 J	10 J	17 UJ	17 UJ	10 UJ	10 UJ	10 UJ
Acenaphthylene	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
2,6-Dinitrotoluene	5	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
3-Nitroaniline	5	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 UJ	10 UJ	10 UJ
Acenaphthene	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
2,4-Dinitrophenol	10*	11 UJ	11 R	11 R	10 R	10 R	10 R	10 R	17 R	17 R	10 R	10 R	10 R
4-Nitrophenol	---	11 U	11 R	11 R	10 R	10 R	10 R	10 R	17 R	17 R	10 R	10 R	10 R
Dibenzofuran	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
2,4-Dinitrotoluene	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Diethylphthalate	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Fluorene	50*	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
4-Nitroaniline	5	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	---	11 U	11 R	11 R	10 R	10 R	10 R	10 R	17 R	17 R	10 R	10 R	10 R
N-Nitrosodiphenylamine	50*	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 UJ	17 UJ	10 U	10 U	10 U
4-Bromophenyl-phenylether	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Atrazine	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Pentachlorophenol	1	11 U	11 R	11 R	10 R	10 R	10 R	10 R	17 R	17 R	10 R	10 R	10 R
Phenanthrene	50	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Anthracene	50*	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Carbazole	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Di-n-butylphthalate	50	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Fluoranthene	50*	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Pyrene	50	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Butylbenzylphthalate	50*	11 U	11 U	11 U	10 U	10 U	10 U	10 U	4.1 U	4.216 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	5	11 R	11 R	11 R	10 R	10 R	10 R	10 R	17 R	17 R	10 UJ	10 UJ	10 UJ
Benzo(a)anthracene	0.002*	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Chrysene	0.002*	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	5	11 U	11 U	11 U	10 U	10 U	10 U	10 U	11.44 U	14.33 U	10 U	10 U	10 U
Di-n-octyl phthalate	50*	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	---	11 U	11 U	11 U	10 U	10 U	10 U	10 U	17 U	17 U	10 U	10 U	10 U

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value
**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

R - The value was rejected by the data validator.

NR - Compound not analyzed or reported for that sample.

Table 3b
Semi-volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-CB-4D-GW-50DL 50' bgs 4/2/2008 (ug/L)	KP-CB-4D-GW-60 60' bgs 4/2/2008 (ug/L)	KP-CB-5B-GW-25 25' bgs 3/25/2008 (ug/L)	KP-CB-5B-GW-30 30' bgs 3/25/2008 (ug/L)	KP-CB-5B-GW-40 40' bgs 3/25/2008 (ug/L)	KP-CB-5B-GW-50 50' bgs 3/25/2008 (ug/L)	KP-CB-5B-GW-60 60' bgs 3/25/2008 (ug/L)	KP-CB-5D-GW-25 25' bgs 4/2/2008 (ug/L)	KP-CB-5D-GW-30 30' bgs 4/2/2008 (ug/L)	KP-CB-5D-GW-30DL 30' bgs 4/2/2008 (ug/L)	KP-CB-5D-GW-40 40' bgs 4/2/2008 (ug/L)	KP-CB-5D-GW-50 50' bgs 4/2/2008 (ug/L)
Semi-volatile Organic Compounds													
Benzaldehyde	---	10 U	10 R	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 R	10 R	10 U	10 R	10 R
Phenol	1	10 U	10 R	11 U	12 U	12 R	11 R	11 R	10 U	10 U	10 U	10 R	10 R
bis(2-Chloroethyl)ether	1	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	---	10 U	10 R	11 U	12 U	12 R	11 R	11 R	10 U	10 U	10 U	10 R	10 R
2-Methylphenol	---	10 U	10 R	11 U	12 U	12 R	11 R	11 R	10 U	10 U	10 U	10 R	10 R
2,2-oxybis(1-Chloropropane)	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
3+4-Methylphenols	---	10 U	10 R	11 U	12 U	12 R	11 R	11 R	10 U	10 U	10 U	10 R	10 R
N-Nitroso-di-n-propylamine	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	5	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	0.4	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Isophorone	50*	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	---	10 U	10 R	11 U	12 U	12 R	11 R	11 R	10 U	10 U	10 U	10 R	10 R
2,4-Dimethylphenol	50*	10 U	10 R	11 U	12 U	12 R	11 R	11 R	10 U	10 U	10 U	10 R	10 R
bis(2-Chloroethoxy)methane	5	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	10 U	10 R	11 U	12 U	12 R	11 R	11 R	10 U	10 U	10 U	10 R	10 R
Naphthalene	10*	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	5	10 U	10 UJ	11 U	12 U	12 U	11 U	11 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Hexachlorobutadiene	0.5	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Caprolactam	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	---	10 U	10 R	11 U	12 U	12 R	11 R	11 R	10 U	10 U	10 U	10 R	10 R
2-Methylnaphthalene	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ
2,4,6-Trichlorophenol	---	10 U	10 R	11 U	12 U	12 R	11 R	11 R	10 U	10 U	10 U	10 R	10 R
2,4,5-Trichlorophenol	---	10 U	10 R	11 U	12 U	12 R	11 R	11 R	10 U	10 U	10 U	10 R	10 R
1,1-Biphenyl	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10*	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	5	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	50*	10 U	10 UJ	11 U	12 U	12 U	11 U	11 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Acenaphthylene	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	5	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	5	10 U	10 UJ	11 U	12 U	12 U	11 U	11 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Acenaphthene	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10*	10 U	10 R	11 UJ	12 UJ	12 R	11 R	11 R	10 UJ	10 UJ	10 U	10 R	10 R
4-Nitrophenol	---	10 U	10 R	11 U	12 U	12 R	11 R	11 R	10 U	10 U	10 U	10 R	10 R
Dibenzofuran	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	5	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	---	10 U	10 R	11 U	12 U	12 R	11 R	11 R	10 UJ	10 UJ	10 U	10 R	10 R
N-Nitrosodiphenylamine	50*	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Atrazine	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1	10 U	10 R	11 U	12 U	12 R	11 R	11 R	10 UJ	10 UJ	10 U	10 R	10 R
Phenanthrene	50	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Carbazole	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	50	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	50*	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	5	10 U	10 UJ	11 U	12 U	12 U	11 U	11 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ
Benzo(a)anthracene	0.002*	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	5	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	50*	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	---	10 U	10 U	11 U	12 U	12 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value
**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

R - The value was rejected by the data validator.

NR - Compound not analyzed or reported for that sample.

Table 3b
Semi-volatile Organic Compound Concentrations in Groundwater Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Depth: / Sample Date: / Units:	NYSDEC Class GA Standard or Guidance Value (ug/L)	KP-CB-5D-GW-60 60' bgs 4/2/2008 (ug/L)	KP-CB-5E-GW-25 25' bgs 4/1/2008 (ug/L)	KP-GW-DUP2 25' bgs 4/1/2008 (ug/L)	KP-CB-5E-GW-30 30' bgs 4/1/2008 (ug/L)	KP-CB-5E-GW-40 40' bgs 4/1/2008 (ug/L)	KP-CB-5E-GW-50 50' bgs 4/1/2008 (ug/L)	KP-CB-5E-GW-60 60' bgs 4/1/2008 (ug/L)	MW-1 55-65' bgs 3/31/2008 (ug/L)
Semi-volatile Organic Compounds									
Benzaldehyde	---	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R
Phenol	1	10 R	10 U	10 UJ	10 R	10 R	10 R	10 R	10 UJ
bis(2-Chloroethyl)ether	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	---	10 R	10 UJ	10 UJ	10 R	10 R	10 R	10 R	10 UJ
2-Methylphenol	---	10 R	10 R	10 UJ	10 R	10 R	10 R	10 R	10 UJ
2,2-oxybis(1-Chloropropane)	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3+4-Methylphenols	---	10 R	10 R	10 UJ	10 R	10 R	10 R	10 R	10 UJ
N-Nitroso-di-n-propylamine	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	0.4	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	---	10 R	10 U	10 UJ	10 R	10 R	10 R	10 R	10 UJ
2,4-Dimethylphenol	50*	10 R	10 UJ	10 UJ	10 R	10 R	10 R	10 R	10 UJ
bis(2-Chloroethoxy)methane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	10 R	10 UJ	10 UJ	10 R	10 R	10 R	10 R	10 UJ
Naphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	5	10 UJ	10 R	10 U	10 R	10 R	10 R	10 R	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Caprolactam	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	---	10 R	10 UJ	10 UJ	10 R	10 R	10 R	10 R	10 UJ
2-Methylnaphthalene	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	---	10 R	10 UJ	10 UJ	10 R	10 R	10 R	10 R	10 UJ
2,4,5-Trichlorophenol	---	10 R	10 UJ	10 UJ	10 R	10 R	10 R	10 R	10 UJ
1,1-Biphenyl	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	50*	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Acenaphthylene	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	5	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10*	10 R	10 UJ	10 UJ	10 R	10 R	10 R	10 R	10 UJ
4-Nitrophenol	---	10 R	10 UJ	10 UJ	10 R	10 R	10 R	10 R	10 UJ
Dibenzofuran	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	---	10 R	10 UJ	10 UJ	10 R	10 R	10 R	10 R	10 UJ
N-Nitrosodiphenylamine	50*	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ	10 U
4-Bromophenyl-phenylether	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Atrazine	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1	10 R	10 UJ	10 UJ	10 R	10 R	10 R	10 R	10 UJ
Phenanthrene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	5	10 UJ	10 R	10 U	10 R	10 R	10 R	10 R	10 U
Benzo(a)anthracene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Dibenz(a,h)anthracene	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	---	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value
**Sum of these compounds can not exceed 0.4 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

R - The value was rejected by the data validator.

NR - Compound not analyzed or reported for that sample.

Table 4
Metal Concentrations in Groundwater (Dissolved and Total)
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Analyte / Sample ID:	Sample Date:	Units:	Type:	NYSDEC Class GA Standard or Guidance Value (ug/l)	KP-CB-4C-GW-25 3/20/2008 (ug/l)		KP-CB-1A-GW-30 3/20/2008 (ug/l)		KP-CB-3A-GW-25 3/24/2008 (ug/l)		KP-SB-01-GW-25 3/24/2008 (ug/l)		KP-CB-5B-GW-25 3/25/2008 (ug/l)		KP-CB-5E-GW-25 4/1/2008 (ug/l)		KP-GW-DUP2-040108 4/1/2008 (ug/l)		KP-SB-03-GW-25 4/1/2008 (ug/l)		KP-CB-4D-GW-25 4/1/2008 (ug/l)	
					Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Aluminum				---	5,200 EJ	63 EJ	3,400 EJ	200 EJ	4,130	68	3,070	109	1,960	23 J	3,650	50 U	2,880	50 U	3,740	50 U	7,460	50 U
Antimony				3	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	8.4 J	9.9 J	4.31 J	25 U	25 U	25 U	25 U	25 U	25 U	28.5
Arsenic				25	4.71 J	10 U	5.08 J	10 U	5.6 J	10 U	7.4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6.14 J	7.7 J
Barium				1,000	99.5	37.8 J	149	43.2 J	91.5	92.4	27.7 J	26.3 J	34.8 J	25.4 J	35.9 J	18.7 J	35.1 J	18.2 J	41.3 J	17 J	69.9	5.36 J
Beryllium				3	0.47 J	0.11 J	0.11 J	0.13 J	0.53 J	3 U	0.47 J	3 U	1.7 J	1.8 J	0.3 J	0.11 J	0.24 J	0.16 J	3 U	0.19 J	0.24 J	3 U
Cadmium				5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Calcium				---	60,700	60,700	124,000	116,000	74,600	66,100	38,600	34,000	22,800	22,700	55,500	55,800	55,000	55,100	38,600	36,200	96,800	95,600
Chromium				50	470 EJ	4.1 EJ	291 EJ	2.8 EJ	164	1.2 J	162	2 J	112	5.7	99.4	0.97 J	64.7	4.25 J	103	3.23 J	149	7.48
Cobalt				---	13.6 J	7 J	13.8 J	13.6 J	12.8 J	7.1 J	5.3 J	15 U	3 J	15 U	9.55 J	2.87 J	8.66 J	5.63 J	4.45 J	2.15 J	22.6	2.53 J
Copper				200	184 EJ	9 EJ	52.4 EJ	1.9 EJ	18.2	10 U	25.2	10 U	10.4	0.71 J	13.6	10 U	11.8	2.76 J	24.2	3.12 J	83.1	2.24 J
Iron				300***	53,700 EJ	1,540 EJ	64,800 EJ	11,900 EJ	20,700	6,810	10,300	787	5,680	328	9,500	811	8,030	745	12,600	738	41,400	3,860
Lead				25	10 U	5 J	10 U	74	6.8 J	2.5 J	8.9 J	4.1 J	18.6	17.4	10 U	10 U	10 U	10 U	10 U	10 U	27.9	10 U
Magnesium				35,000*	7,700 EJ	6,850 EJ	14,400 EJ	13,400 EJ	12,300	10,400	2,430	1,840	1,540	1,270	5,000	4,590	4,830	4,490	5,020	3,530	14,100	13,100
Manganese				300***	2,100	2,070	2,630	2,580	1,310	1,170	245	96.8	386	169	665	500	651	419	395	140	4,320	4,290
Mercury				1	0.2 U	0.2 U	0.2 U	0.23	0.26 NJ	0.2 NJU	0.2 NJU	0.2 NJU	0.2 U	0.2 U	0.2 U*J	0.2 NJU	0.07 *J	0.13 NJ	0.2 *JU	0.2 NJU	0.54 *J	0.2 NJU
Nickel				100	318 EJ	30.6 EJ	172 EJ	29 EJ	93.7	4.5 J	101	20 U	67.2	2.9 J	58.3	8.79 J	37.8	10.1 J	39.7	3.6 J	54.3	5.81 J
Potassium				---	14,800 EJ	11,800 EJ	34,000 EJ	26,400 EJ	40,200	42,700	25,800	25,600	9,420	9,220	11,800	12,200	11,400	12,600	10,000	9,660	41,100	38,200
Selenium				10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver				50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.98 J	2.03 J	2.92 J	4.98 J	1.32 J	3.01 J	14.4	7.23
Sodium				20,000	135,000 EJ	114,000 EJ	50,300 EJ	40,700 EJ	114,000 EJ	125,000 EJ	576,000 EJ	540,000 EJ	72,200	72,600	23,100	25,100	22,500	26,000 EJ	31,400	32,400 EJ	1,080,000	996,000 EJ
Thallium				0.5*	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium				---	23.3	20 U	7.12 J	20 U	12.9 J	20 U	13.2 J	20 U	20 U	20 U	9.87 J	20 U	8.26 J	3.01 J	8.89 J	2.19 J	50.1	9.72 J
Zinc				2,000*	1820 EJ	892	504 EJ	231 EJ	50.7	19.5 J	209	38.4	33.9	23.5	52.1	32.8	56.7	42	99.4	36.3	188	21.3

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

***Sum of these compounds can not exceed 300 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

E (Inorganics) - The reported value is estimated because of the presence of interference.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

NR - Compound not analyzed or reported for that sample.

Table 4
Metal Concentrations in Groundwater (Dissolved and Total)
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Analyte / Sample ID / Sample Date / Units / Type:	NYSDEC Class GA Standard or Guidance Value (ug/l)	KP-CB-5D- GW-25 4/2/2008 (ug/l)		KP-SB-04- GW-30 4/2/2008 (ug/l)		KP-CB-4A- GW-25 4/3/2008 (ug/l)		KP-CB-4B- GW-25 4/3/2008 (ug/l)		KP-CB-1B- GW-25 4/4/2008 (ug/l)		KP-SB-02- GW-25 4/4/2008 (ug/l)	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Aluminum	---	9,310	24 J	7,770	28 J	6,690	50 U	15,200	50 U	9,380	50 U	2,940	50 U
Antimony	3	25 U	25 U	25 U	25 U	4.32 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Arsenic	25	10 U	10 U	10 U	2.9 U	8.66 J	10 U	11.6	10 U	10 U	10 U	10 U	10 U
Barium	1,000	32.7 J	50 U	39.5 J	6.76 J	88.1	58.8	144	62.6	57.3	8.34 J	76.9	63.6
Beryllium	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Cadmium	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Calcium	---	27,800	24,700	54,500	53,300	76,900 N	78,700 N	76,700 N	75,900 N	57,300	58,100	94,700	98,300
Chromium	50	109	5 U	146	1.86 J	67.8	5 U	146	8.82	125	4.91 J	114	6.76
Cobalt	---	6.49 J	15 U	10.6 J	1.42 J	5.07 J	1.32 J	11.6 J	15 U	11.2 J	15 U	5.71 J	5.3 J
Copper	200	81.1	2.68 J	51.8	1.03 J	24.1	10 U	58.2	10 U	34.6	10 U	27.9	9.74 J
Iron	300***	24,900	311	21,800	1,510	27,700	15,300	50,200	1,500	19,400	250	8,230	3,530
Lead	25	5.41 J	10 U	4.08 J	10 U	5.62 J	10 U	12.8	10 U	10 U	10 U	10 U	10 U
Magnesium	35,000*	35,770	2,050	4,370	3,340	8,740	7,530	12,100	9,220	3,420	2,070	10,400	10,700
Manganese	300***	1,600	381	2,630	1,990	1,650	1,590	3,040	2,580	3,170	938	2,430	2,320
Mercury	1	0.2 U	0.2 U	0.2 U	0.2 U	0.09 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.23	0.2 U
Nickel	100	59.6	4.34 J	51	8.11 J	48.7	4.34 J	59.4	10.3 J	65.3	2.85 J	51	9.63 J
Potassium	---	17,300	14,100	18,900	17,800	18,500	17,600	17,700	15,700	38,200	38,600	55,000	57,000
Selenium	10	10 U	3.32 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	5 U	1.7 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.39 J	9.28	11.7
Sodium	20,000	55,300	52,200	62,200	61,300	122,000	123,000	122,000	121,000	103,000	107,000	450,000	463,000
Thallium	0.5*	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	---	12.5 J	20 U	12.7 J	20 U	12.7 J	20 U	31.4	20 U	14.9 J	20 U	20.7	7.42 J
Zinc	2,000*	794	267	334	106	83.5	39.6	151	47.3	101	27.8	125	34.4

NOTES:

Reported value exceeds NYSDEC Class GA Standard or Guidance Value.

* Guidance Value

**Sum of these compounds can not exceed 0.4 ug/L.

***Sum of these compounds can not exceed 300 ug/L.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

E (Inorganics) - The reported value is estimated because of the presence of interference.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

NR - Compound not analyzed or reported for that sample.

Table 5a.
Volatile Organic Compound Concentrations in Surface Soil and Leaching Pool Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Date: / Units:	Unrestricted Use Soil Cleanup Objective* (ug/kg)	KP-LP-1 3/18/2008 (ug/kg)	KP-LP-2 3/18/2008 (ug/kg)	KP-LP-3 3/25/2008 (ug/kg)	KP-SW-1 3/18/2008 (ug/kg)	KP-SW-2 3/18/2008 (ug/kg)	KP-SS-01 3/31/2008 (ug/kg)	KP-SS-02 3/31/2008 (ug/kg)	KP-SS-03 3/31/2008 (ug/kg)	KP-SS-04 3/31/2008 (ug/kg)	KP-SS-05 3/31/2008 (ug/kg)	KP-SS-06 3/31/2008 (ug/kg)
Volatile Organic Compounds												
Dichlorodifluoromethane	---	28 UJ	27 UJ	37 UJ	29 UJ	28 UJ	28 UJ	26 UJ	26 UJ	36 UJ	36 UJ	27 UJ
Chloromethane	---	28 UJ	27 UJ	37 UJ	29 UJ	28 UJ	28 U	26 U	26 U	36 UJ	36 U	27 U
Vinyl Chloride	20	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
Bromomethane	---	28 UJ	27 UJ	37 UJ	29 UJ	28 UJ	28 U	26 U	26 U	36 UJ	36 U	27 U
Chloroethane	1,900*	28 UJ	27 UJ	37 UJ	29 UJ	28 UJ	28 U	26 U	26 U	36 UJ	36 U	27 U
Trichlorofluoromethane	---	28 UJ	27 UJ	37 UJ	29 UJ	28 UJ	28 U	26 U	26 U	36 UJ	36 U	27 U
1,1,2-Trichlorotrifluoroethane	---	28 UJ	27 UJ	37 UJ	29 UJ	28 UJ	28 U	26 U	26 U	36 UJ	36 U	27 U
1,1-Dichloroethene	330	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
Acetone	50	140 U	97.4 J	154 J	118 J	140 U	140 U	130 U	130 U	180 UJ	180 U	140 U
Carbon Disulfide	2,700*	28 UJ	27 UJ	37 UJ	29 UJ	28 UJ	28 U	26 U	26 U	36 UJ	36 U	27 U
Methyl tert-butyl Ether	930	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
Methyl Acetate	---	28 UJ	36.7 J	37 U	21 J	16.552 J	28 U	26 U	26 U	36 UJ	36 U	27 U
Methylene Chloride	50	28 UJ	27 U	18.7 U	29 UJ	28 UJ	28 U	26 U	26 U	36 UJ	36 U	27 U
trans-1,2-Dichloroethene	190	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
1,1-Dichloroethane	200*	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
Cyclohexane	---	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
2-Butanone	120	140 U	140 U	180 U	150 U	140 U	140 U	130 U	130 U	180 UJ	180 U	140 U
Carbon Tetrachloride	760	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
cis-1,2-Dichloroethene	250	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
Chloroform	370	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
1,1,1-Trichloroethane	800*	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
Methylcyclohexane	---	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
Benzene	60	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
1,2-Dichloroethane	20	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
Trichloroethene	470	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
1,2-Dichloropropane	---	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
Bromodichloromethane	---	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
4-Methyl-2-Pentanone	1,000*	140 UJ	140 UJ	180 U	150 UJ	140 UJ	140 U	130 U	130 U	180 UJ	180 U	140 U
Toluene	700	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
t-1,3-Dichloropropene	---	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
cis-1,3-Dichloropropene	---	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
1,1,2-Trichloroethane	---	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
2-Hexanone	---	140 UJ	140 UJ	180 UJ	150 UJ	140 UJ	140 U	130 U	130 U	180 UJ	180 U	140 U
Dibromochloromethane	---	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
1,2-Dibromoethane	---	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 UJ	36 U	27 U
Tetrachloroethene	1,300	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 R	36 UJ	27 UJ
Chlorobenzene	1,100	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 R	36 UJ	27 UJ
Ethyl Benzene	1,000	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 R	36 UJ	27 UJ
m/p-Xylenes	1,200*	56 U	55 U	74 U	58 U	57 U	56 U	52 U	52 U	72 R	72 UJ	55 UJ
o-Xylene	1,200*	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 R	36 UJ	27 UJ
Styrene	---	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 R	36 UJ	27 UJ
Bromoform	---	28 U	27 U	37 U	29 U	28 U	28 U	26 U	26 U	36 R	36 UJ	27 UJ
Isopropylbenzene	---	28 U	27 U	37 U	29 U	28 U	28 UJ	26 UJ	26 UJ	36 R	36 R	27 UJ
1,1,2,2-Tetrachloroethane	600*	28 U	27 U	37 U	29 U	28 U	28 UJ	26 UJ	26 UJ	36 R	36 R	27 UJ
1,3-Dichlorobenzene	2,400	28 U	27 U	37 U	29 U	28 U	28 UJ	26 UJ	26 UJ	36 R	36 R	27 UJ
1,4-Dichlorobenzene	1,800	28 U	27 U	37 U	29 U	28 U	28 UJ	26 UJ	26 UJ	36 R	36 R	27 UJ
1,2-Dichlorobenzene	1,100	28 U	27 U	37 U	29 U	28 U	28 UJ	26 UJ	26 UJ	36 R	36 R	27 UJ
1,2-Dibromo-3-Chloropropane	---	28 U	27 U	37 U	29 U	28 U	28 UJ	26 UJ	26 UJ	36 R	36 R	27 UJ
1,2,4-Trichlorobenzene	---	28 U	27 U	37 U	29 U	28 U	28 UJ	26 UJ	26 UJ	36 R	36 R	27 UJ

NOTES:

* TAGM 4046 Recommended Soil Cleanup Objective provided where the Part 375 Unrestricted Use guidance value is not published.

Reported value exceeds respective NYS Part 375 Unrestricted Use Cleanup Objective or TAGM 4046 guidance value.

--- indicates that a guidance value or soil cleanup objective value is not provided.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.
J - Estimated value.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
R - Value was rejected by the data validator.
NR - Compound not analyzed or reported for that sample.

Table 5b.
Semi-volatile Organic Compound Concentrations in Surface Soil and Leaching Pool Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Date: / Units:	Unrestricted Use Soil Cleanup Objective* (ug/kg)	KP-LP-1 3/18/2008 (ug/kg)	KP-LP-2 3/18/2008 (ug/kg)	KP-LP-3 3/25/2008 (ug/kg)	KP-SW-1 3/18/2008 (ug/kg)	KP-SW-2 3/18/2008 (ug/kg)	KP-SS-01 3/31/2008 (ug/kg)	KP-SS-02 3/31/2008 (ug/kg)	KP-SS-03 3/31/2008 (ug/kg)	KP-SS-04 3/31/2008 (ug/kg)	KP-SS-05 3/31/2008 (ug/kg)	KP-SS-06 3/31/2008 (ug/kg)
Semi-volatile Organic Compounds												
Benzaldehyde	---	360 UJ	360 UJ	490 UJ	400 UJ	1,900 UJ	7,400 R	7,100 R	1,700 R	4,800 R	4,800 R	7,200 R
Phenol	330	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
bis(2-Chloroethyl)ether	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
2-Chlorophenol	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
2-Methylphenol	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
2,2-oxybis(1-Chloropropane)	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Acetophenone	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
3+4-Methylphenols	---	360 U	360 U	52 J	400 U	1,900 U	7,400 UJ	7,100 UJ	1,700 UJ	4,800 UJ	4,800 UJ	7,200 UJ
N-Nitroso-di-n-propylamine	---	360 UJ	360 UJ	490 U	400 UJ	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Hexachloroethane	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Nitrobenzene	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Isophorone	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
2-Nitrophenol	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
2,4-Dimethylphenol	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
bis(2-Chloroethoxy)methane	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
2,4-Dichlorophenol	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Naphthalene	12,000	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
4-Chloroaniline	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Hexachlorobutadiene	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Caprolactam	---	360 UJ	360 UJ	490 U	400 UJ	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
4-Chloro-3-methylphenol	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
2-Methylnaphthalene	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Hexachlorocyclopentadiene	---	360 U	360 U	490 UJ	400 U	1,900 U	7,400 UJ	7,100 UJ	1,700 UJ	4,800 UJ	4,800 UJ	7,200 U
2,4,6-Trichlorophenol	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
2,4,5-Trichlorophenol	---	910 U	910 U	1,200 U	1,000 U	4,800 U	19,000 U	18,000 U	4,400 U	12,000 U	12,000 U	18,000 U
1,1-Biphenyl	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
2-Chloronaphthalene	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
2-Nitroaniline	---	910 U	910 U	1,200 U	1,000 U	4,800 U	19,000 U	18,000 U	4,400 U	12,000 U	12,000 U	18,000 U
Dimethylphthalate	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Acenaphthylene	100,000	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
2,6-Dinitrotoluene	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
3-Nitroaniline	---	910 U	910 U	1,200 U	1,000 U	4,800 U	19,000 U	18,000 U	4,400 U	12,000 U	12,000 U	18,000 U
Acenaphthene	20,000	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
2,4-Dinitrophenol	---	910 UJ	910 UJ	1,200 UJ	1,000 UJ	4,800 UJ	19,000 UJ	18,000 UJ	4,400 UJ	12,000 UJ	12,000 UJ	18,000 UJ
4-Nitrophenol	---	910 U	910 U	1,200 U	1,000 U	4,800 U	19,000 U	18,000 U	4,400 U	12,000 U	12,000 U	18,000 U
Dibenzofuran	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
2,4-Dinitrotoluene	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Diethylphthalate	7,100*	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
4-Chlorophenyl-phenylether	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Fluorene	30,000	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
4-Nitroaniline	---	910 U	910 U	1,200 U	1,000 U	4,800 U	19,000 U	18,000 U	4,400 U	12,000 U	12,000 U	18,000 U
4,6-Dinitro-2-methylphenol	---	910 U	910 U	1,200 UJ	1,000 U	4,800 U	19,000 UJ	18,000 UJ	4,400 UJ	12,000 UJ	12,000 UJ	18,000 UJ
N-Nitrosodiphenylamine	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
4-Bromophenyl-phenylether	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Hexachlorobenzene	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Atrazine	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Pentachlorophenol	800	910 U	910 U	1,200 U	1,000 U	4,800 U	19,000 U	18,000 U	4,400 U	12,000 U	12,000 U	18,000 U
Phenanthrene	100,000	38.5 J	62.5 J	490 U	78.8 J	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	579.5 J	7,200 U
Anthracene	100,000	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Carbazole	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Di-n-butylphthalate	8,100*	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Fluoranthene	100,000	130 J	289 J	490 U	215 J	279 J	1,200 J	7,100 U	409.5 J	560.4 J	1,140 J	1,100 J
Pyrene	100,000	105 J	180 J	490 U	127 J	1,900 U	867 J	7,100 U	320.3 J	546.1 J	901 J	784.3 J
Butylbenzylphthalate	50,000*	360 U	360 U	490 U	400 U	14,231	11,441	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
3,3-Dichlorobenzidine	---	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Benzo(a)anthracene	1,000	46.7 J	78.4 J	490 U	54 J	1,900 U	7,400 U	7,100 U	185.5 J	4,800 U	580 J	7,200 U
Chrysene	1,000	72.1 J	123.6 J	490 U	79.6 J	1,900 U	748 J	7,100 U	248.5 J	4,800 U	687 J	7,200 U
bis(2-Ethylhexyl)phthalate	50,000*	131.1 J	220.5 J	490 U	148.4 J	1,773 J	4,142 J	7,100 U	1,700 U	1,020 J	1,739 J	7,200 U
Di-n-octyl phthalate	50,000*	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	521.1 J	7,200 U
Benzo(b)fluoranthene	1,000	120.3 J	136.5 J	490 U	73.6 J	1,900 U	7,400 U	7,100 U	288.8 J	4,800 U	701.3 J	7,200 U
Benzo(k)fluoranthene	800	39.6 J	55.5 J	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	491.9 J	7,200 U
Benzo(a)pyrene	1,000	75.1 J	77.7 J	490 U	51.6 J	1,900 U	7,400 U	7,100 U	180.3 J	4,800 U	496.7 J	7,200 U
Indeno(1,2,3-cd)pyrene	500	58.3 J	64.8 J	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Dibenz(a,h)anthracene	330	360 U	360 U	490 U	400 U	1,900 U	7,400 U	7,100 U	1,700 U	4,800 U	4,800 U	7,200 U
Benzo(g,h,i)perylene	100,000	64.6 J	68.1 J	490 U	40.8 J	1,900 U	7,400 U	7,100 U	183.8 J	4,800 U	501.6 J	7,200 U

NOTES:

* TAGM 4046 Recommended Soil Cleanup Objective provided where the Part 375 Unrestricted Use guidance value is not published.

Reported value exceeds respective NYS Part 375 Unrestricted Use Cleanup Objective or TAGM 4046 guidance value.

--- indicates that a guidance value or soil cleanup objective value is not provided.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.
J - Estimated value.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
R - Value was rejected by the data validator.
NR - Compound not analyzed or reported for that sample.

Table 6.
Metals Concentrations in Surface Soil and Leaching Pool Sediment Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Analyte / Sample ID: / Sampling Date: / Units:	Unrestricted Use Soil Cleanup Objective (mg/kg)	KP-LP-1 3/18/2008 (mg/kg)	KP-LP-2 3/18/2008 (mg/kg)	KP-SW-1 3/18/2008 (mg/kg)	KP-SW-2 3/18/2008 (mg/kg)	KP-LP-3 3/25/2008 (mg/kg)	KP-CB-4A-(0-1) 3/28/2008 (mg/kg)	KP-SS-01 3/31/2008 (mg/kg)	KP-SS-02 3/31/2008 (mg/kg)	KP-SS-03 3/31/2008 (mg/kg)	KP-SS-04 3/31/2008 (mg/kg)	KP-SS-05 3/31/2008 (mg/kg)	KP-SS-06 3/31/2008 (mg/kg)
Aluminum	33,000(SB)*	1,580	1,830	1,980	1,720	590	7,640	3,600 EJ	1,830 EJ	3,110 EJ	5,700 EJ	7,450 EJ	3,460 EJ
Antimony	---(SB)*	1.82 U	1.83 U	2.01 U	1.89 U	0.59 J	1.86 J	1.24 J	0.877 J	0.94 J	5.03	4.87	1.13 J
Arsenic	13	1.18	1.4	1.49	0.989	0.99 U	4.56	2.41	2.05	1.11	72.6	82.7	2.55
Barium	350	10.3	15.4	15	13.7	40	24.2	26	12.3	11.7	1,160	1,020	28.5
Beryllium	7.2	0.083 J	0.094 J	0.105 J	0.086 J	0.08 J	0.234	0.17 J	0.091 J	0.124 J	0.205 J	0.278 J	0.125 J
Cadmium	2.5	0.729 U	0.731 U	0.803 U	0.755 U	0.5 U	0.752 U	0.752 U	0.714 U	0.697 U	1.12	0.597 J	0.733 U
Calcium	130(SB)*[4]	4,840	5,730	6,740	5,130	14,500	12,000	39,800	42,600	8,140	19,000	40,700	29,800
Chromium	30	4.03	4.77	10.6	5.7	1.9	11.4	8.13 EJ	5.96 EJ	4.33 EJ	91.9 EJ	82.3	9.95 EJ
Cobalt	30*[1]	1.02 J	1.04 J	1.21	1.32	0.45 J	2.55	2	1.93	1.88	5.96	7.89 EJ	1.94
Copper	50	4.2	5.56	6.86	8.69	26.1	8.95	12.9	9.28	5.3	323	381	12.7
Iron	2,000*[2]	2,970	2,870	4,350	3,760	2,170	9,610	5,240	4,870	4,350	11,300	23,700	5,100
Lead	63	6.3	7.78	10	9.59	9.9	35.5	25.7 EJ	13.2 EJ	10 EJ	888 EJ	1,130 EJ	33.1 EJ
Magnesium	100(SB)*	573	631	857	1,270	7,460	1,290	17,700	24,300	4,110	2,940	5,120	5,390
Manganese	1,600	53.6	54.1	71.9	62.2	58.5	68.3	126 EJ	88 EJ	64 EJ	383 EJ	507 EJ	85.3 EJ
Mercury	0.18	0.012	0.014	0.029	0.01 J	0.011 J	0.035	0.055	0.01 J	0.016	0.224	0.143	0.044
Nickel	30	2.12	2.4	2.81	3.58	1.1 J	4.69	4.92	3.9	2.46	15.9	23.9	5.6
Potassium	8,500(SB)*	237	185	192	150 J	171	291	391	355	174	1,510	2,090	281
Selenium	3.9	0.206 J	0.138 J	0.803 U	0.208 J	0.31 J	0.752 U	0.752 U	0.714 U	0.697 U	0.962 U	0.986 U	0.733 U
Silver	2	0.365 U	0.365 U	0.402 U	0.378 U	0.5 U	0.881	0.376 U	0.357 U	0.349 U	0.481 U	0.493 U	0.366 U
Sodium	6,000(SB)*	59.1 J	162	219	104 J	177	314	345	242	112 J	1,670	1,950	245
Thallium	---	1.46 U	1.46 U	1.61 U	1.51 U	2 U	1.5 U	1.5 U	1.43 U	1.39 U	1.92 U	1.97 U	1.47 U
Vanadium	150*[3]	4.58	5.14	7.07	7.58	1.7 J	14.7	11.9 EJ	11.8 EJ	7.53 EJ	15.3 EJ	24.7 EJ	11.2 EJ
Zinc	109	18.2	31.3	28.2	41.6	66.7	29.2	61.9	28	25.1	1,040	1,050	49.3

NOTES:

* TAGM 4046 Recommended Soil Cleanup Objective provided where the Part 375 Unrestricted Use guidance value is not published.

Reported value exceeds respective NYS Part 375 Unrestricted Use Cleanup Objective or (lowest background) TAGM 4046 guidance value.

--- indicates that a guidance value or soil cleanup objective value is not provided.

(SB) - State Background Value. Where SB value is given, the number represents lowest SB value as provided in Table 4 of TAGM 40406.

[1] For cobalt, recommended SCO is 30 or SB. SB ranges from 2.5 to 60 mg/kg.

[2] For iron, recommended SCO is 2,000 or SB. SB ranges from 2,000 to 550,000 mg/kg.

[3] For vanadium, recommended SCO is 150 or SB. SB ranges from 1 to 300 mg/kg.

[4] For calcium, recommended SCO is SB. SB ranges from 130 to 35,000 mg/kg.

LABORATORY/VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.

J - Estimated value.

E (Inorganics) - The reported value is estimated because of the presence of interference.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

N - Compound matrix spike recovery not within the required limits for these compounds.

Table 7.
PCB & Pesticide Concentrations in Surface Soil and Leaching Pool Sediment Samples
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID: / Sample Date: / Depth Interval: / Units:	Unrestricted Use Soil Cleanup Objective* (ug/kg)	KP-LP-1 3/18/2008 (ug/kg)	KP-LP-2 3/18/2008 (ug/kg)	KP-LP-3 3/25/2008 (ug/kg)	KP-SW-1 3/18/2008 (ug/kg)	KP-SW-2 3/18/2008 (ug/kg)	KP-CB-4A-(0-1) 3/28/2008 (Surface) (ug/kg)	KP-SS-01 3/31/2008 (ug/kg)	KP-SS-01DL 3/31/2008 (ug/kg)	KP-SS-02 3/31/2008 (ug/kg)	KP-SS-03 3/31/2008 (ug/kg)	KP-SS-04 3/31/2008 (ug/kg)	KP-SS-05 3/31/2008 (ug/kg)	KP-SS-06 3/31/2008 (ug/kg)
Pesticides														
alpha-BHC	20	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 U	9.5 UD	1.8 U	1.8 U	2.5 U	2.5 U	1.9 U
beta-BHC	36	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 UJ	9.5 UDJ	1.8 UJ	1.8 UJ	2.5 UJ	2.5 UJ	1.9 UJ
delta-BHC	40	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 R	9.5 R	1.8 R	1.8 R	2.5 R	2.5 R	1.9 R
gamma-BHC	---	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 UJ	9.5 UD	1.8 UJ	1.8 UJ	2.5 UJ	2.5 UJ	1.9 UJ
Heptachlor	42	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	3.5	3.7 JDP	1.8 U	1.8 U	2.5 U	2.5 U	13
Aldrin	5	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 U	9.5 UD	1.8 U	1.8 U	2.5 U	2.5 U	1.9 U
Heptachlor epoxide	20*	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 R	9.5 R	1.8 R	1.8 R	2.5 R	2.5 R	1.9 R
Endosulfan I	2,400	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 R	9.5 R	1.8 R	1.8 R	2.5 R	2.5 R	1.9 R
Dieldrin	5	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 R	9.5 R	1.8 R	1.8 R	2.5 R	2.5 R	1.9 R
4,4-DDE	3.3	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	10	11 DP	1.8 U	1.8 U	2.5 U	3.5 JP	6.5
Endrin	14	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 R	9.5 R	1.8 R	1.8 R	2.5 R	2.5 R	1.9 R
Endosulfan II	2,400	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 R	9.5 R	1.8 R	1.8 R	2.5 R	2.5 R	1.9 R
4,4-DDD	3.3	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 U	9.5 UD	1.8 U	1.8 U	2.5 U	2.5 U	1.9 U
Endosulfan Sulfate	2,400	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 R	9.5 R	1.8 R	1.8 R	2.5 R	2.5 R	1.9 R
4,4-DDT	3.3	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	37 J	37 J	4.9 J	3.7 J	6.4 J	8.2 J	12 J
Methoxychlor	<10*	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 R	9.5 R	1.8 R	1.8 R	2.5 R	2.5 R	1.9 R
Endrin ketone	---	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 R	9.5 R	1.8 R	1.8 R	2.5 R	2.5 R	1.9 R
Endrin aldehyde	---	9.3 U	1.9 U	2.5 U	10 U	9.8 U	1.9 U	1.9 R	9.5 R	1.8 R	1.8 R	2.5 R	2.5 R	1.9 R
alpha-Chlordane	94	18	1.9 U	2.5 U	7.2 J	7 J	1.9 U	67 E	63 JD	19 J	7.8 J	12 J	11 J	23 J
gamma-Chlordane	540*	13	1.9 U	2.5 U	10 U	9.8 U	1.9 U	34 J	30 JD	11 J	3.6 J	7.4 J	6.3 JP	16 J
Toxaphene	---	93 U	19 U	25 U	100 U	98 U	19 U	19 U	95 UD	18 U	18 U	25 U	25 U	19 U
PCBs														
Aroclor-1016	1,000*	19 U	19 U	25 U	20 U	20 U	19 U	19 U	NR	18 U	18 U	25 U	25 U	19 U
Aroclor-1221	1,000*	19 U	19 U	25 U	20 U	20 U	19 U	19 U	NR	18 U	18 U	25 U	25 U	19 U
Aroclor-1232	1,000*	19 U	19 U	25 U	20 U	20 U	19 U	19 U	NR	18 U	18 U	25 U	25 U	19 U
Aroclor-1242	1,000*	19 U	19 U	25 U	20 U	20 U	19 U	19 U	NR	18 U	18 U	25 U	25 U	19 U
Aroclor-1248	1,000*	19 U	19 U	25 U	20 U	20 U	19 U	19 U	NR	18 U	18 U	25 U	25 U	19 U
Aroclor-1254	1,000*	19 U	19 U	25 U	20 U	20 U	19 U	19 U	NR	18 U	18 U	25 U	25 U	19 U
Aroclor-1260	1,000*	19 U	19 U	25 U	20 U	20 U	19 U	19 U	NR	18 U	18 U	25 U	25 U	19 U

NOTES:

* TAGM 4046 Recommended Soil Cleanup Objective provided where the Part 375 Unrestricted Use guidance value is not published.

Reported value exceeds respective NYS Part 375 Unrestricted Use Cleanup Objective or TAGM 4046 guidance value.

--- indicates that a guidance value or soil cleanup objective value is not provided.

LABORATORY/ VALIDATION QUALIFIERS

U - The compound was not detected at the indicated method detection limit.
J - Estimated value.
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
E - Indicates the analyte concentration exceeds the calibrated range of the instrument for that specific analysis.
D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
R - Value was rejected by the data validator.
NR - Compound not analyzed or reported for that sample.

Table 8.
Volatile Organic Compound Concentrations in Soil Vapor
K.P. Edwards/ Americana Laundromat (Site # 1-52-210) Remedial Investigation
Bayshore, New York

Compound / Sample ID / Date Sampled / Units:	KPSV-01 3/18/2008 (µg/m³)	KPSV-02 3/18/2008 (µg/m³)	KPSV-03 3/18/2008 (µg/m³)	KPSV-04 3/18/2008 (µg/m³)	KPSV-05 3/18/2008 (µg/m³)	KPSV-06 3/18/2008 (µg/m³)	KPSV-DUP 3/18/2008 (µg/m³)	KPSV-07 3/19/2008 (µg/m³)	KPSV-08 3/20/2008 (µg/m³)	FSBC-SV-01[1] 5/27/2009 (µg/m³)	FSBC-SV-02[2] 5/27/2009 (µg/m³)	FSBC-SV-03[3] 5/27/2009 (µg/m³)	FSBC-SV-04[4] 5/27/2009 (µg/m³)
Dichlorodifluoromethane (CFC 12)	6900	1600	33	330 U	260	850	220	190	2.7	2.627	2.713	2.683	130 U
Chloromethane	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	20	10 U	2.1 U	390 U	5.2 U	1.2 U	11 U	10 U	0.17 U	0.7 U	0.67 U	0.7 U	130 U
Vinyl Chloride	36	12 U	2.5 U	460 U	6.1 U	1.5 U	13 U	12 U	0.19 U	0.7 U	0.67 U	0.7 U	130 U
Bromomethane	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
Chloroethane	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
Ethanol	3.3 U	22 U	4.6 U	850 U	11 U	2.7 U	24 U	23 U	0.36 U	8.437	6.7 U	7 U	1300 U
Trichlorofluoromethane	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	1.2	2.043	2.048	2.335	130 U
1,1-Dichloroethene	1.4 U	9.4 U	2 U	360 U	4.8 U	1.1 U	10 U	9.6 U	0.15 U	0.7 U	0.67 U	0.7 U	130 U
2-Methyl-2-Propanol (tert-Butyl Alcohol)	34	21 U	4.5 U	810 U	11 U	2.6 U	23 U	22 U	0.35 U	0.7 U	0.67 U	0.7 U	130 U
Methylene Chloride	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
Trichlorotrifluoroethane	1.4 U	9.4 U	2 U	360 U	4.8 U	1.1 U	10 U	9.6 U	0.15 U	0.959	0.931	0.931	130 U
trans-1,2-Dichloroethene	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
1,1-Dichloroethane	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
Methyl tert-Butyl Ether	160	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
cis-1,2-Dichloroethene	440	8.5 U	1.8 U	2500	1100	160	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
Chloroform	1.4 U	9.4 U	2 U	360 U	4.8 U	1.1 U	10 U	9.6 U	0.15 U	1.029	1.769	1.849	130 U
1,2-Dichloroethane	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
1,1,1-Trichloroethane	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
Benzene	17	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	1.307	1.157	1.182	6215
Carbon Tetrachloride	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.51	0.167	0.13 U	0.14 U	26 U
1,2-Dichloropropane	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
Bromodichloromethane	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
Trichloroethene	980	47	15	2200	150	94	45	43	0.25	0.612	3.711	1.585	39.3
1,4-Dioxane	1.4 U	9.4 U	2 U	360 U	4.8 U	1.1 U	10 U	9.6 U	0.15 U	0.7 U	0.67 U	0.7 U	130 U
2,2,4-Trimethylpentane (Isooctane)	27	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	1.64	1.649	2.071	130 U
cis-1,3-Dichloropropene	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
trans-1,3-Dichloropropene	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
1,1,2-Trichloroethane	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
Toluene	27	56	1.8 U	330 U	30	5.3	9.3 U	8.7 U	6.7	63.72	56.94	50.36	130 U
Dibromochloromethane	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
1,2-Dibromoethane	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
Tetrachloroethene	460	6000	1400	180000	3400	890	5700	6100	4.2	107.9	449.1 D	307.7 D	130 U
Chlorobenzene	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
Ethylbenzene	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	7.895	7.116	5.769	183.4
m,p-Xylenes	13	48	9.9	420 U	5.6 U	1.4 U	12 U	11 U	1.1	25.51	22.74	17.71	505.7
Bromoform	1.4 U	9.4 U	2 U	360 U	4.8 U	1.1 U	10 U	9.6 U	0.15 U	0.7 U	0.67 U	0.7 U	130 U
Styrene	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	1.738	1.583	1.376	130 U
o-Xylene	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	8.271	7.288	5.81	157.2
1,1,2,2-Tetrachloroethane	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
1,3,5-Trimethylbenzene	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	3.016	2.753	2.029	130 U
1,2,4-Trimethylbenzene	17	8.5 U	9.6	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	9.952	9.071	6.644	130 U
Benzyl Chloride	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
1,3-Dichlorobenzene	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
1,4-Dichlorobenzene	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
1,2-Dichlorobenzene	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
1,2,4-Trichlorobenzene	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
Hexachlorobutadiene	1.3 U	8.5 U	1.8 U	330 U	4.3 U	1 U	9.3 U	8.7 U	0.14 U	0.7 U	0.67 U	0.7 U	130 U
1,2-Dichloroethane-d4	116	108	119	102	119	113	114	114	105	95	96	96	98
Toluene-d8	96	97	97	97	95	97	97	98	97	97	97	96	98
Bromofluorobenzene	100	100	97	96	98	98	98	98	100	114	114	114	111

NOTES:

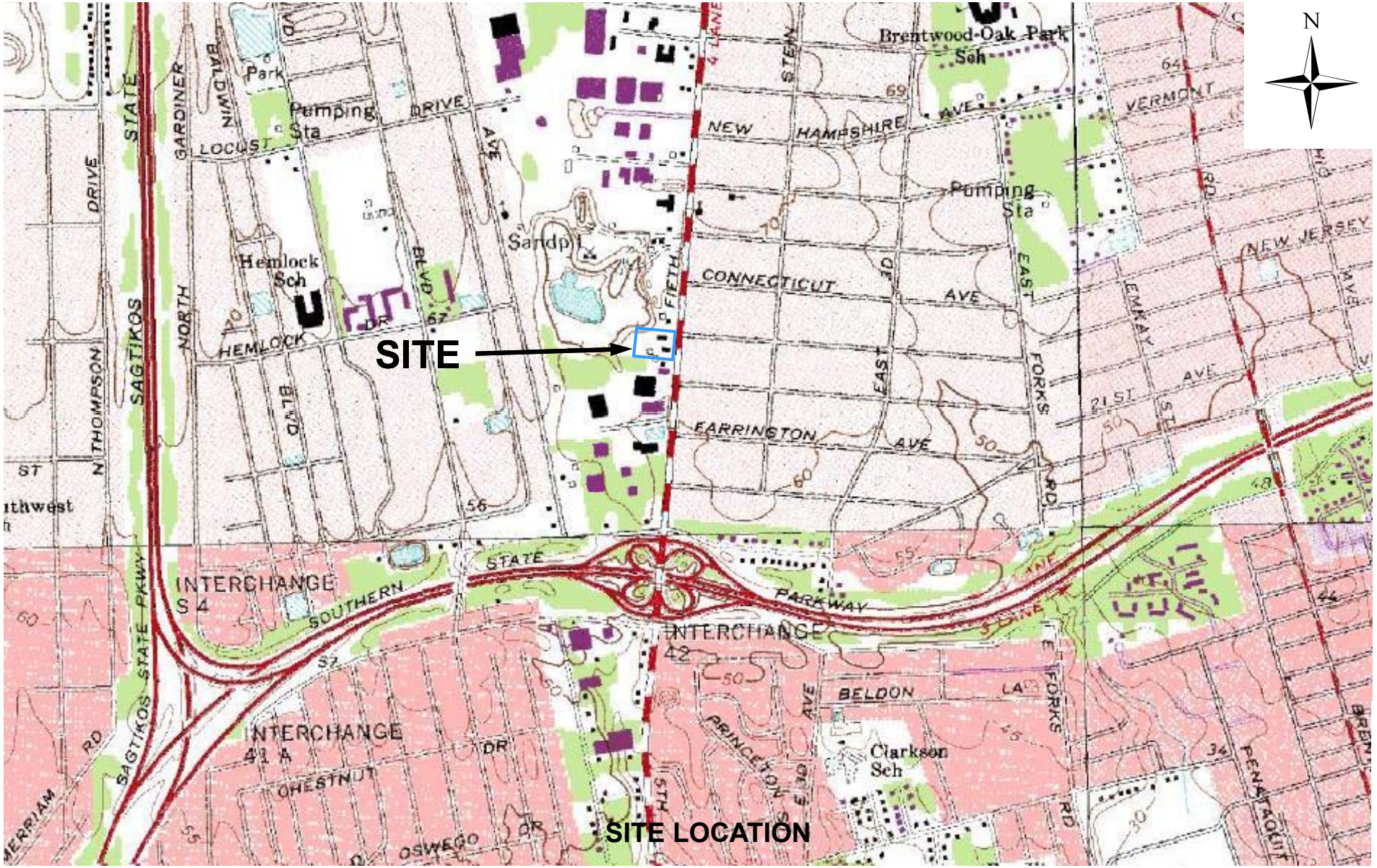
U - The compound was not detected at the indicated concentration

[1] - Corresponds to Sample SV-01 identified in Laboratory Report P0901812 (Columbia Analytical Services) collected on May 27, 2009 at the First Spanish Baptist Church (FSBC) property.

[2] - Corresponds to Sample SV-02 identified in Laboratory Report P0901812 (Columbia Analytical Services) collected on May 27, 2009 at the FSBC property.

[3] - Corresponds to Sample SV-03 identified in Laboratory Report P0901812 (Columbia Analytical Services) collected on May 27, 2009 at the FSBC property.

[4] - Corresponds to Sample SV-04 identified in Laboratory Report P0901812 (Columbia Analytical Services) collected on May 27, 2009 at the FSBC property.



MALCOLM PIRNIE	SITE CHARACTERIZATION REPORT K.P. EDWARDS/AMERICANA LAUNDROMAT SITE #152210 BAYSHORE, NEW YORK	**SITE LOCATION**	AUGUST 2009 FIGURE 1



MALCOLM PIRNIE

SITE CHARACTERIZATION REPORT
K.P. EDWARDS/AMERICANA LAUNDROMAT
SITE #152210
BAYSHORE, NEW YORK

AERIAL PHOTOGRAPH

AUGUST 2009

FIGURE 2



LEGEND

- ERI SURVEY LINE
- BORING LOCATION
- MONITORING WELL
- LEACHING POOL
- SURFACE SOIL

N

0 30 60 120

SCALE IN FEET

AERIAL SOURCE: New York State OCSCIC, 2001. *NYS Digital Orthoimagery Program (NYSDOP), Nassau County 12-inch Resolution Natural Color Orthoimagery.* NYS Office of Cyber Security & Critical Infrastructure Coordination, Albany, NY. Provided by the New York State GIS Clearing House, at: www.nysgis.state.ny.us

MALCOLM PIRNIE

SITE CHARACTERIZATION
K.P. EDWARDS/AMERICANA LAUNDROMAT
SITE #152210
BAYSHORE, NEW YORK

SAMPLING LOCATIONS

AUGUST 2009

FIGURE 3



LEGEND

- SOIL VAPOR SAMPLE
- SUB-SLAB SOIL VAPOR SAMPLE

N

0 30 60 120

SCALE IN FEET

AERIAL SOURCE: New York State OCSCIC, 2001. *NYS Digital Orthoimagery Program (NYSDOP), Nassau County 12-inch Resolution Natural Color Orthoimagery.* NYS Office of Cyber Security & Critical Infrastructure Coordination, Albany, NY. Provided by the New York State GIS Clearing House, at: www.nysgis.state.ny.us

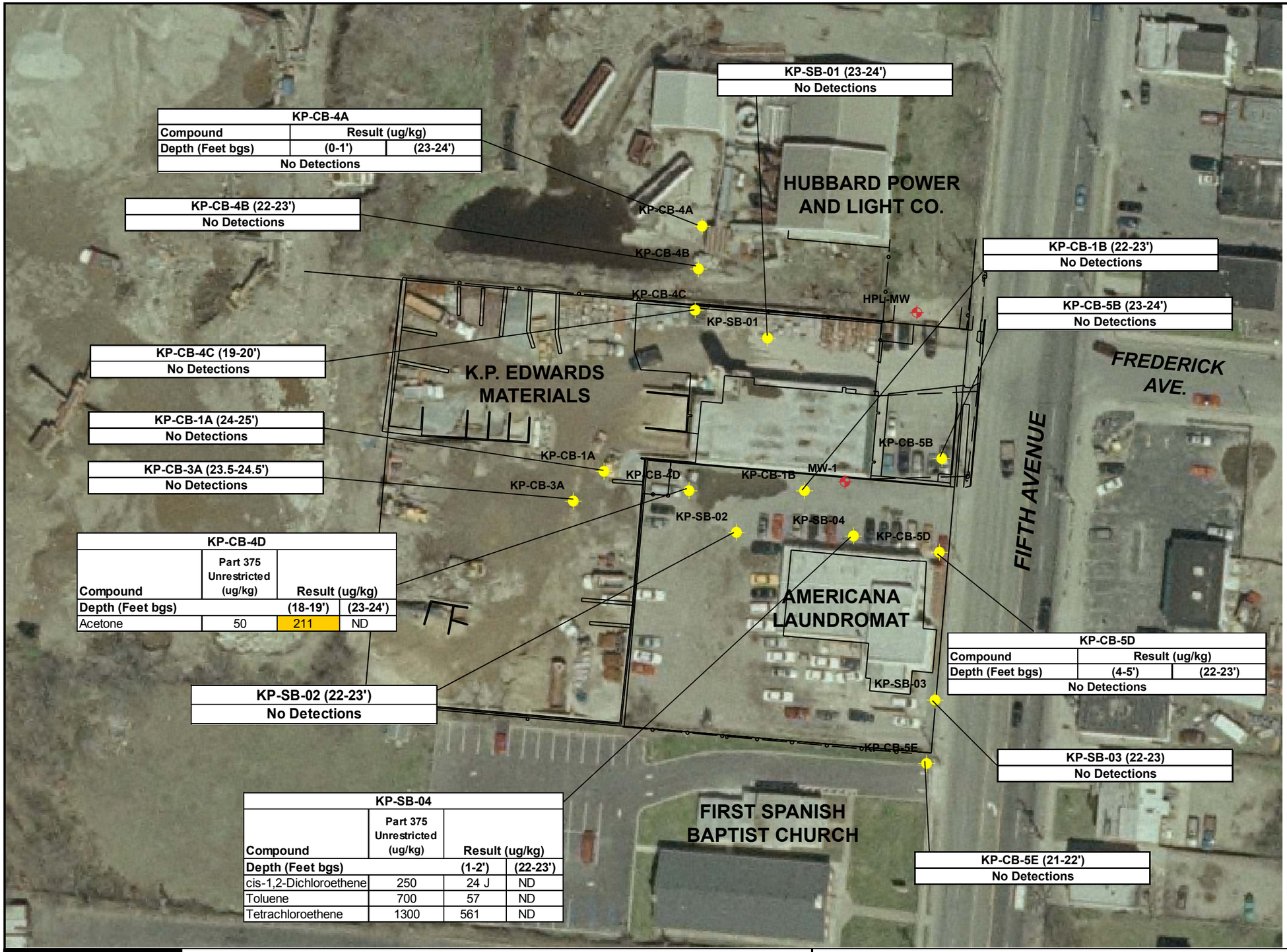
MALCOLM PIRNIE

SITE CHARACTERIZATION
K.P. EDWARDS/AMERICANA LAUNDROMAT
SITE #152210
BAYSHORE, NEW YORK

SAMPLING LOCATIONS

AUGUST 2009

FIGURE 4



LEGEND

- BORING LOCATION
- MONITORING WELL

NOTES:

J — Indicates value is estimated.

B — Analyte was found in laboratory method blank. Indicates possible contamination of the sample.

ND — Compound not detected.

Indicates value exceeds corresponding Part 375 Unrestricted Use soil cleanup objective

N

0 30 60 120

SCALE IN FEET

AERIAL SOURCE: New York State OCSCIC, 2001. *NYS Digital Orthoimagery Program (NYSDOP), Nassau County 12-inch Resolution Natural Color Orthoimagery*. NYS Office of Cyber Security & Critical Infrastructure Coordination, Albany, NY. Provided by the New York State GIS Clearing House, at: www.nysgis.state.ny.us

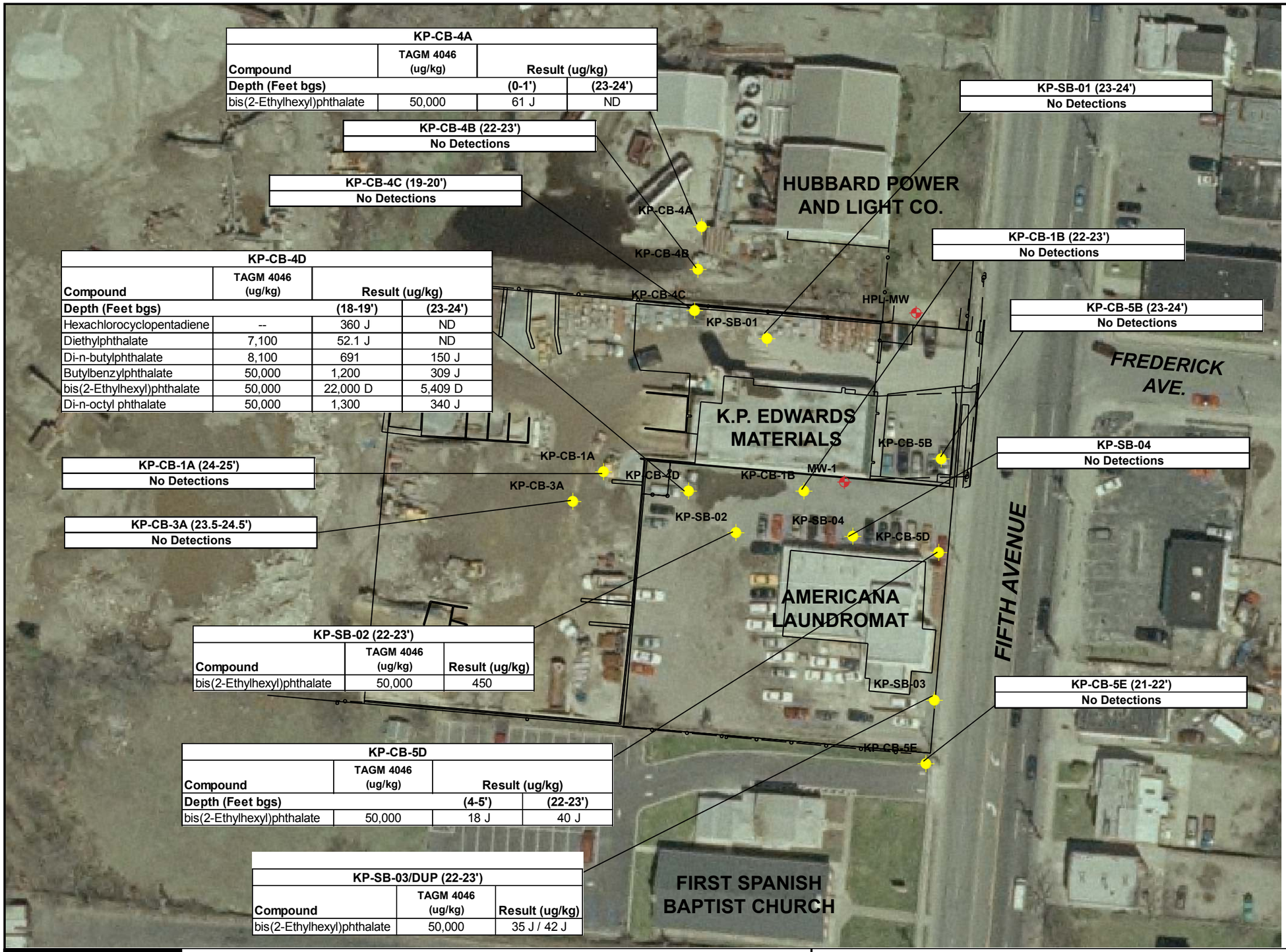
MALCOLM PIRNIE

SITE CHARACTERIZATION
K.P. EDWARDS/AMERICANA LAUNDROMAT
SITE #152210
BAYSHORE, NEW YORK

SUMMARY OF VOC DETECTIONS IN SOIL SAMPLES

AUGUST 2009

FIGURE 5



LEGEND

- BORING LOCATION
- MONITORING WELL

NOTES:

J — Indicates value is estimated.

D — Indicates sample was diluted to obtain value.

ND — Compound not detected.

Indicates value exceeds corresponding TAGM 4046 Recommended Soil Cleanup Objective

NOTE: Part 375 Unrestricted Use soil cleanup objective not published for detected compounds

N

0 30 60 120

SCALE IN FEET

AERIAL SOURCE: New York State OCSCIC, 2001. *NYS Digital Orthoimagery Program (NYSDOP), Nassau County 12-inch Resolution Natural Color Orthoimagery*. NYS Office of Cyber Security & Critical Infrastructure Coordination, Albany, NY. Provided by the New York State GIS Clearing House, at: www.nysgis.state.ny.us

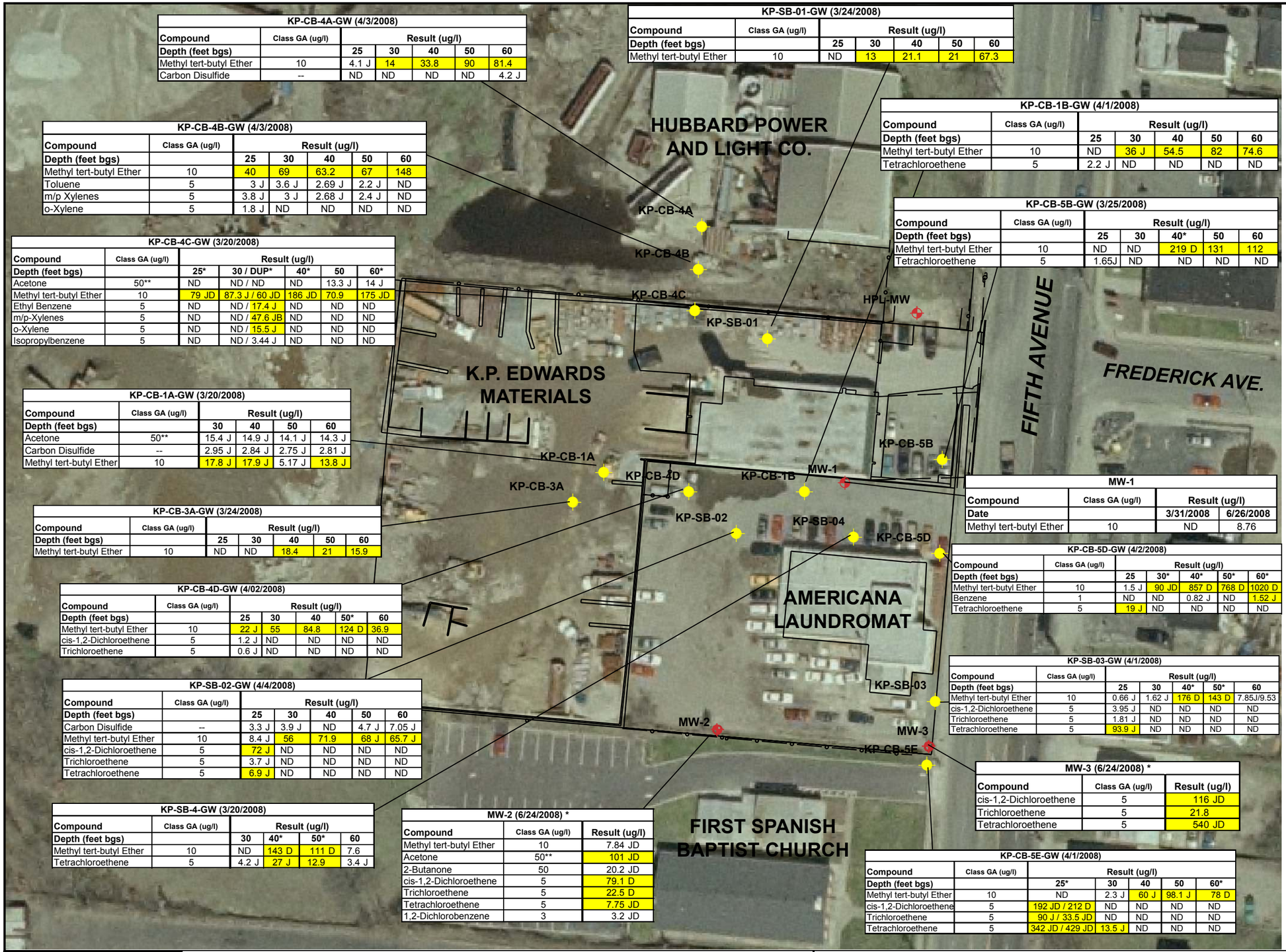
MALCOLM PIRNIE

SITE CHARACTERIZATION
K.P. EDWARDS/AMERICANA LAUNDROMAT
SITE #152210
BAYSHORE, NEW YORK

SUMMARY OF SVOC DETECTIONS IN SOIL SAMPLES

AUGUST 2009

FIGURE 6



KP-CB-4A-GW (4/3/2008)

Compound	Class GA (ug/l)	Result (ug/l)				
Depth (feet bgs)		25	30	40	50	60
Methyl tert-butyl Ether	10	4.1 J	14	33.8	90	81.4
Carbon Disulfide	--	ND	ND	ND	ND	4.2 J

KP-SB-01-GW (3/24/2008)

Compound	Class GA (ug/l)	Result (ug/l)				
Depth (feet bgs)		25	30	40	50	60
Methyl tert-butyl Ether	10	ND	13	21.1	21	67.3

KP-CB-4B-GW (4/3/2008)

Compound	Class GA (ug/l)	Result (ug/l)				
Depth (feet bgs)		25	30	40	50	60
Methyl tert-butyl Ether	10	40	69	63.2	67	148
Toluene	5	3 J	3.6 J	2.69 J	2.2 J	ND
m/p Xylenes	5	3.8 J	3 J	2.68 J	2.4 J	ND
o-Xylene	5	1.8 J	ND	ND	ND	ND

KP-CB-1B-GW (4/1/2008)

Compound	Class GA (ug/l)	Result (ug/l)				
Depth (feet bgs)		25	30	40	50	60
Methyl tert-butyl Ether	10	ND	36 J	54.5	82	74.6
Tetrachloroethene	5	2.2 J	ND	ND	ND	ND

KP-CB-4C-GW (3/20/2008)

Compound	Class GA (ug/l)	Result (ug/l)				
Depth (feet bgs)		25*	30 / DUP*	40*	50	60*
Acetone	50**	ND	ND / ND	ND	13.3 J	14 J
Methyl tert-butyl Ether	10	79 JD	87.3 J / 60 JD	186 JD	70.9	175 JD
Ethyl Benzene	5	ND	ND / 17.4 J	ND	ND	ND
m/p-Xylenes	5	ND	ND / 47.6 JB	ND	ND	ND
o-Xylene	5	ND	ND / 15.5 J	ND	ND	ND
Isopropylbenzene	5	ND	ND / 3.44 J	ND	ND	ND

KP-CB-5B-GW (3/25/2008)

Compound	Class GA (ug/l)	Result (ug/l)				
Depth (feet bgs)		25	30	40*	50	60
Methyl tert-butyl Ether	10	ND	ND	219 D	131	112
Tetrachloroethene	5	1.65J	ND	ND	ND	ND

KP-CB-1A-GW (3/20/2008)

Compound	Class GA (ug/l)	Result (ug/l)			
Depth (feet bgs)		30	40	50	60
Acetone	50**	15.4 J	14.9 J	14.1 J	14.3 J
Carbon Disulfide	--	2.95 J	2.84 J	2.75 J	2.81 J
Methyl tert-butyl Ether	10	17.8 J	17.9 J	5.17 J	13.8 J

MW-1

Compound	Class GA (ug/l)	Result (ug/l)	
Date		3/31/2008	6/26/2008
Methyl tert-butyl Ether	10	ND	8.76

KP-CB-3A-GW (3/24/2008)

Compound	Class GA (ug/l)	Result (ug/l)				
Depth (feet bgs)		25	30	40	50	60
Methyl tert-butyl Ether	10	ND	ND	18.4	21	15.9

KP-CB-5D-GW (4/2/2008)

Compound	Class GA (ug/l)	Result (ug/l)				
Depth (feet bgs)		25	30*	40*	50*	60*
Methyl tert-butyl Ether	10	1.5 J	90 JD	857 D	768 D	1020 D
Benzene	1	ND	ND	0.82 J	ND	1.52 J
Tetrachloroethene	5	19 J	ND	ND	ND	ND

KP-CB-4D-GW (4/02/2008)

Compound	Class GA (ug/l)	Result (ug/l)				
Depth (feet bgs)		25	30	40	50*	60
Methyl tert-butyl Ether	10	22 J	55	84.8	124 D	36.9
cis-1,2-Dichloroethene	5	1.2 J	ND	ND	ND	ND
Trichloroethene	5	0.6 J	ND	ND	ND	ND

KP-SB-03-GW (4/1/2008)

Compound	Class GA (ug/l)	Result (ug/l)				
Depth (feet bgs)		25	30	40*	50*	60
Methyl tert-butyl Ether	10	0.66 J	1.62 J	176 D	143 D	7.85J/9.53
cis-1,2-Dichloroethene	5	3.95 J	ND	ND	ND	ND
Trichloroethene	5	1.81 J	ND	ND	ND	ND
Tetrachloroethene	5	93.9 J	ND	ND	ND	ND

KP-SB-02-GW (4/4/2008)

Compound	Class GA (ug/l)	Result (ug/l)				
Depth (feet bgs)		25	30	40	50	60
Carbon Disulfide	--	3.3 J	3.9 J	ND	4.7 J	7.05 J
Methyl tert-butyl Ether	10	8.4 J	56	71.9	68 J	65.7 J
cis-1,2-Dichloroethene	5	72 J	ND	ND	ND	ND
Trichloroethene	5	3.7 J	ND	ND	ND	ND
Tetrachloroethene	5	6.9 J	ND	ND	ND	ND

MW-3 (6/24/2008) *

Compound	Class GA (ug/l)	Result (ug/l)
cis-1,2-Dichloroethene	5	116 JD
Trichloroethene	5	21.8
Tetrachloroethene	5	540 JD

KP-SB-4-GW (3/20/2008)

Compound	Class GA (ug/l)	Result (ug/l)			
Depth (feet bgs)		30	40*	50*	60
Methyl tert-butyl Ether	10	ND	143 D	111 D	7.6
Tetrachloroethene	5	4.2 J	27 J	12.9	3.4 J

MW-2 (6/24/2008) *

Compound	Class GA (ug/l)	Result (ug/l)
Methyl tert-butyl Ether	10	7.84 JD
Acetone	50**	101 JD
2-Butanone	50	20.2 JD
cis-1,2-Dichloroethene	5	79.1 D
Trichloroethene	5	22.5 D
Tetrachloroethene	5	7.75 JD
1,2-Dichlorobenzene	3	3.2 JD

KP-CB-5E-GW (4/1/2008)

Compound	Class GA (ug/l)	Result (ug/l)				
Depth (feet bgs)		25*	30	40	50	60*
Methyl tert-butyl Ether	10	ND	2.3 J	60 J	98.1 J	78 D
cis-1,2-Dichloroethene	5	192 JD / 212 D	ND	ND	ND	ND
Trichloroethene	5	90 J / 33.5 JD	ND	ND	ND	ND
Tetrachloroethene	5	342 JD / 429 JD	13.5 J	ND	ND	ND

LEGEND

- BORING LOCATION
- MONITORING WELL

NOTES:

*	Indicates sample was diluted for analysis.
J	Indicates value is estimated.
D	Indicates sample was diluted to obtain value.
B	Analyte found in laboratory method blank. Indicates possible contamination of the sample.
92/60	Shows sample and duplicate sample values, respectively.
ND	Compound not detected.
	Indicates value exceeds Corresponding NYSDEC Class GA Standard or Guidance Value.
**	Indicates Guidance Value.

N

0 30 60 120

SCALE IN FEET

AERIAL SOURCE: New York State OCSCIC, 2001. *NYS Digital Orthoimagery Program (NYSDOP), Nassau County 12-inch Resolution Natural Color Orthoimagery.* NYS Office of Cyber Security & Critical Infrastructure Coordination, Albany, NY. Provided by the New York State GIS Clearing House, at: www.nysgis.state.ny.us

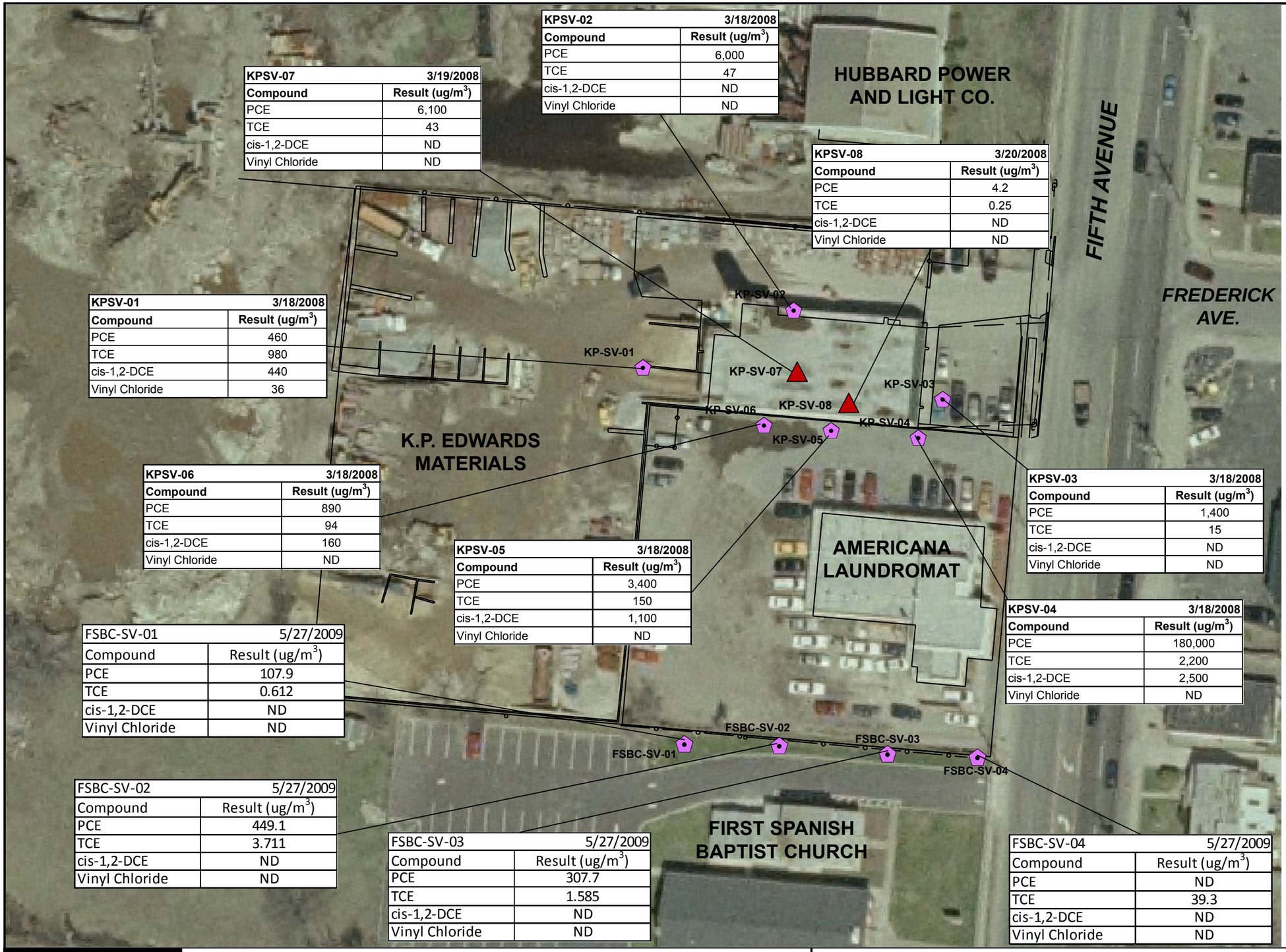
MALCOLM PIRNIE

SITE CHARACTERIZATION
K.P. EDWARDS/AMERICANA LAUNDROMAT
SITE #152210
BAYSHORE, NEW YORK

SUMMARY OF VOC DETECTIONS IN GROUNDWATER SAMPLES

AUGUST 2009

FIGURE 7



KPSV-07	3/19/2008
Compound	Result (ug/m^3)
PCE	6,100
TCE	43
cis-1,2-DCE	ND
Vinyl Chloride	ND

KPSV-02	3/18/2008
Compound	Result (ug/m^3)
PCE	6,000
TCE	47
cis-1,2-DCE	ND
Vinyl Chloride	ND

KPSV-08	3/20/2008
Compound	Result (ug/m^3)
PCE	4.2
TCE	0.25
cis-1,2-DCE	ND
Vinyl Chloride	ND

KPSV-01	3/18/2008
Compound	Result (ug/m^3)
PCE	460
TCE	980
cis-1,2-DCE	440
Vinyl Chloride	36

KPSV-06	3/18/2008
Compound	Result (ug/m^3)
PCE	890
TCE	94
cis-1,2-DCE	160
Vinyl Chloride	ND

KPSV-05	3/18/2008
Compound	Result (ug/m^3)
PCE	3,400
TCE	150
cis-1,2-DCE	1,100
Vinyl Chloride	ND

KPSV-03	3/18/2008
Compound	Result (ug/m^3)
PCE	1,400
TCE	15
cis-1,2-DCE	ND
Vinyl Chloride	ND

KPSV-04	3/18/2008
Compound	Result (ug/m^3)
PCE	180,000
TCE	2,200
cis-1,2-DCE	2,500
Vinyl Chloride	ND

FSBC-SV-01	5/27/2009
Compound	Result (ug/m^3)
PCE	107.9
TCE	0.612
cis-1,2-DCE	ND
Vinyl Chloride	ND

FSBC-SV-02	5/27/2009
Compound	Result (ug/m^3)
PCE	449.1
TCE	3.711
cis-1,2-DCE	ND
Vinyl Chloride	ND

FSBC-SV-03	5/27/2009
Compound	Result (ug/m^3)
PCE	307.7
TCE	1.585
cis-1,2-DCE	ND
Vinyl Chloride	ND

FSBC-SV-04	5/27/2009
Compound	Result (ug/m^3)
PCE	ND
TCE	39.3
cis-1,2-DCE	ND
Vinyl Chloride	ND

LEGEND

- SOIL VAPOR SAMPLE
- SUB-SLAB SOIL VAPOR SAMPLE

NOTES:

ND Compound not detected.

N

0 30 60 120

SCALE IN FEET

AERIAL SOURCE: New York State OCSCIC, 2001. *NYS Digital Orthoimagery Program (NYSDOP), Nassau County 12-inch Resolution Natural Color Orthoimagery.* NYS Office of Cyber Security & Critical Infrastructure Coordination, Albany, NY. Provided by the New York State GIS Clearing House, at: www.nysgis.state.ny.us

MALCOLM PIRNIE

SITE CHARACTERIZATION
K.P. EDWARDS/AMERICANA LAUNDROMAT
SITE #152210
BAYSHORE, NEW YORK

SUMMARY OF VOC DETECTIONS IN SOIL VAPOR SAMPLES

AUGUST 2009

FIGURE 8