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March 3, 2014

Ms. Tara M. Blum, P.E.
New York State Department of Environmental Conservation, Region 7
615 Erie Boulevard West
Syracuse, NY 13204-2400

Subject: Data Summary/Transmittal Report
November 2013 Wetland Delineation and Sampling
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, NY

Dear Ms. Blum:

On behalf of United Technologies Corporation (UTC), AECOM USA, Inc. (AECOM) is pleased to provide this transmittal of data recently collected at the Carrier-Dewitt Landfill site (AOC G) on Thompson Road in Syracuse, New York. The sampling procedures and analytical results described below were commissioned as components of a Remedial Investigation for AOC G. These work elements and procedures were performed in accordance with the Draft Remedial Investigation Work Plan (RIWP) prepared for AOC G in 2013 by EnSafe Inc. and the comments supplied by the New York State Department of Environmental Conservation (NYSDEC) in a memo dated September 12, 2013.

As stated during previous meetings and correspondence between NYSDEC and UTC, it was determined that proceeding with characterization of the wetland area comprising the western portion of the AOC G site (see Site Plan, **Figure 1**) during the latter part of 2013 would be advantageous due to the beneficial vegetative and climatic conditions provided by the fall season. Accordingly, a field team was mobilized to delineate and sample the wetland during the week of November 4, 2013. The remainder of this letter details the wetland delineation and sampling tasks completed during November 2013. It is intended that the upland areas of AOC G (former landfill area) and additional locations within the wetland will be sampled and reported upon during 2014.

1.0 November 2013 AOC G Wetland Investigation Scope of Work

The scope of work completed during November 2013 included:

- Delineation of the AOC G Wetlands,
- Sampling of the AOC G Wetland Area,
- Surveying the AOC G Wetland Area and the Sanders Creek Corridor, and
- Preparing a Data Summary/Transmittal Report.

1.1 Delineation of the AOC G Wetlands

Wetland Delineation and Flagging Methodology

AECOM delineated the jurisdictional boundary between the upland portions of AOC G and the adjacent wetlands using the three-parameter method documented in the *Corps of Engineers Wetlands Delineation Manual* (Technical Report Y-87-1, 1987) as modified in the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, V2* (ERDC/EL TR-12-1, 2012). The delineation was completed during the week ending

November 8, 2013 and was based on the presence of hydrophytic vegetation, hydric soils, and wetland hydrology.

Observations and Results

A map showing the wetland features described below is attached as **Figure 2**.

- The wetland boundary line was started along the eastern edge of a swale ("north swale") that drains northward toward Sanders Creek from a ponded area at the north end of the wetland ("north wetland"). The north swale itself is considered a wetland, but its wetland boundary northward to Sanders Creek (including a feature referred to as the "Hotel Pond") was not delineated.
- The wetland boundary extends south from the north swale along the edge of fill used to construct the UTC-Carrier parking lot past a rip-rap drainage swale from the parking lot and continues along the toe of the landfill slope approximately 1,000 feet to a point where historical earth moving activities (presumably clay mining) has left a complex of upland fill areas separated by low wetland/ponded areas.
- The wetlands-uplands complex was further delineated where it abuts the wetlands in the western part of the UTC property. Identified on the map is a low point where a majority of the wetlands-uplands complex drains into the western wetland area and a low upland peninsula composed of discarded bricks.
- The wetland line continues south along the toe of the landfill slope across the complex of wetlands-uplands to the southwest corner of the landfill, where it meets a drainage swale that drains the truck parking area on the adjacent property south of the landfill.

This was the extent of delineation of the wetland completed during this project phase, as it was expected that this wetland/landfill boundary may be involved in future remedial action permitting.

Seasonal/Water Elevation Impacts on Wetland Delineation

The level of water in the wetlands was higher than that observed during a September 11, 2013 field reconnaissance conducted by AECOM. The lower water elevation aided in delineating wetland hydrology. However, the vegetation was dying back for the winter as a result of previous frosts, so documentation of hydrophytic vegetation was hampered. Additional documentation of selected data points will be completed during the spring field season when hydrophytic vegetation is fully evident.

Visual Observation of Water Sources and Outlets (Including Presence or Absence of Outlets for Outlet Flow or Overland Flooding to Sanders Creek and South Branch of Ley Creek)

- A swale to Sanders Creek (north swale) from the northern wetland was verified.
- The water level in the north wetland at the beginning of the week of November 4, 2013 was 6 to 8 inches below the elevation to initiate flow into the swale to Sanders Creek. At the end of the week the water level in the north wetland was approximately 3 to 4 inches below the threshold into the swale.
- An active outfall (**Figures 1** and **2**, Outfall A) to South Branch of Ley Creek was located on County Sewer District property near the southwest corner of the UTC property. The flow was traced back to the western ponded area on the UTC property. This confirms that water from the landfill area may discharge to Ley Creek and that this drainage pathway is active before discharge through the north swale to Sanders Creek.
- A second trickling outfall to South Branch of Ley Creek (**Figures 1** and **2**, Outfall B), potentially originating on UTC property, was located approximately 800 feet downstream (northwest) from the main outfall.

The elevations of both the northern and southwestern drainage pathways are such that water levels in South Branch of Ley Creek or Sanders Creek are unlikely to rise sufficiently to initiate flow onto the UTC property.

1.2 Sampling of the AOC G Wetland Area

Due to the historic usage of the AOC G landfill for disposal of industrial waste material, the RIWP includes activities to investigate potential releases of organic compounds and metals from the landfill into the adjacent wetlands to its north and west. These chemicals may have been present in soils eroded from the landfill and deposited into the wetland sediment by surface water runoff. During the years of operation of the landfill and after its closure, alternating layers of contaminated and clean sediment may have been deposited in the wetlands, so that a layer of contaminated sediment may potentially be buried beneath a layer of uncontaminated sediment. Therefore, during this investigation AECOM collected sediment samples from three depth intervals as described below.

In addition, the infiltration of precipitation into the landfill mass may have dissolved chemicals from the waste and soils and transported these contaminants through groundwater discharge into the wetland. During this wetland sampling event, pore water and surface water samples were not collected because the site was inundated with standing water. A concern that standing water could make it difficult to distinguish between surface water and pore water quality resulted in pore water sampling being deferred until the surface water elevation is lower.

Choice of Sediment Sampling Locations (Including Sampling of Flow Paths and Transects Outward from Landfill Area to Determine Gradient of Contamination)

- Sediment sample locations were placed on eleven transects (A – K) radiating from the landfill boundary (refer to **Figure 2**), to aid in assessing the presence or absence of a concentration gradient from the landfill into the wetland.
- Nine sediment samples (sample prefix S) were collected along the north swale from the northern wetland to Sanders Creek.
- The Balduck Method was used to estimate the approximate number of sediment sample locations needed to characterize the potential landfill impact on the wetlands. Using an area of approximately 112,500 square yards to estimate the area to be characterized (300 X 375 yards), and an assigned degrees of freedom (Df) of 3:

  N =Df*30*(W*L*(1/1.2E06))^0.33 = **41 sample locations**

  where:

  N is the number of samples for the area derived by the Balduck Method;
  Df (degrees of freedom) is a theoretical constant and the chosen value (3) is conservative;
  W and L are the width and length of the subject wetland area.
- AECOM collected 135 samples from 45 locations, including the nine samples collected in the northern swale to Sanders Creek. Quality control (QC) samples were also collected. The locations where sediments were sampled during November 2013 are shown on **Figure 2**.

Sample Depth Intervals

AECOM collected sediment samples from three depth intervals (0-6 inches, 6-12 inches, and 18-24 inches) from all sample locations.

Sample Collection Procedures

- AECOM collected sediment cores using a slide hammer and hand auger. Upon collection, the cores were immediately sealed in plastic zipper bags and transported to the processing team to be logged and sampled.

- After screening with a photoionization detector (PID), volatile organic compound (VOC) samples were collected from each interval prior to homogenization of the interval material for polychlorinated biphenyl (PCB), total organic carbon (TOC), metals, semi-volatile organic compound (SVOC), and polycyclic aromatic hydrocarbon (PAH) sampling.

Piezometer Installation

- Pre-constructed piezometers were installed at ten locations around the toe of the landfill to a depth of 3 feet below ground surface (bgs).
- The piezometers were constructed of 2.5 feet of 1½-inch inside diameter polyvinyl chloride (PVC) 0.010" slotted pipe threaded onto a 3-foot solid riser. The slotted section of pipe was surrounded by filter sand held in place by food-grade plastic mesh. The bottom was capped and the top was fitted with a plug.
- Piezometers were installed at locations A-1, B-2, C-2, D-1, E-1, F-2, H-1, I-1, J-1, and K-1 shown on **Figure 2**. The locations were not underwater at the time of installation.

Equipment Decontamination

The hand augers and slide hammers were decontaminated with an Alconox rinse followed by a de-ionized water rinse between locations. New core-liners were used for each sediment core in the slide hammer.

Analytical Methods

- Each sediment sample was analyzed for VOCs (United States Environmental Protection Agency [US EPA] Method 5035/8260),
- TOC (Lloyd-Kahn method),
- SVOCs (US EPA Method 8270C),
- PCBs (US EPA Method 8082),
- Metals (US EPA method 6010B),
- Percent moisture, and
- T34 PAHs by SIMS (US EPA Method 8270D).

1.3 Surveying the AOC G Wetland Area and Sanders Creek Corridor

A topographic survey of AOC G and adjoining portions of the Sanders Creek Corridor was performed by a New York State Licensed land surveyor.

- Topographic and planimetric features were mapped utilizing photogrammetric mapping techniques based on aerial photography obtained on November 16, 2013.
- Four established benchmarks and 16 survey points were used to provide physical control for the survey. A field edit was performed on January 3, 2014 to verify the accuracy and completeness of the photogrammetric mapping.
- The survey is referenced to the North American datum of 1983, 2011 adjustment (NAD83/2011) and projected on the New York State Plane Coordinate System and vertically to the North American Vertical Datum of 1988 (NAVD88-Geoid 09).

This survey was used as the basis of the maps included with this report, which were prepared at a 1-foot contour interval.

2.0 AOC G Wetland Sediment Sampling Data and Discussion

2.1 Review of New York State Sediment Screening Methodology

Protection of ecological resources, specifically, fish, wildlife, and habitat thereof within New York State is a responsibility of the NYSDEC Division of Fish, Wildlife and Marine Resources (DFWMR). As part of this responsibility, DFWMR has developed draft guidance for the assessment of sediment quality and the potential for organic and inorganic contamination to adversely affect sediment-dwelling (benthic) organisms.

This document (*Screening and Assessment of Contaminated Sediment*, NYSDEC, DFWMR, Bureau of Habitat, January 24, 2013) is intended to provide information and guidance to DFWMR staff and other interested parties for screening, evaluating and assessing contaminated sediments in New York State; that is, for determining whether or not a given sediment is toxic and whether it potentially poses a risk to aquatic life.

The guidance document describes criteria and procedures for assessing whether or not contaminants present in sediment at a given site are causing toxicity, and if they pose a risk to aquatic life.

Screening sediments is the first, necessary step in the assessment process. In order to screen sediments to assess the potential for risk to aquatic life, a set of numeric criteria is needed for comparing bulk sediment contaminant concentrations. The NYSDEC draft guidance identifies numerical thresholds for various chemical contaminants found in sediments that can be used to identify potential risk to aquatic life. Given no information other than the concentration of a contaminant in sediment, these values allow for a reasonable assessment of the potential for the contaminants to be harmful to aquatic life.

In addition to identifying specific numerical criteria, the draft guidance document explains the technical basis for the derivation of the criteria values selected, and explains how those numeric criteria values can be modified if more information, such as site-specific data, becomes available.

Sediment Assessment Procedure

The NYSDEC sediment assessment procedure is a stepwise process:

1. Sediment Guidance Values (SGVs) in Tables 1a (fresh water sediments) and 1b (salt water sediments) are used to make the initial assessment (i.e., Tier 1 screening) of risk to aquatic life from contaminants in sediment.
2. If the concentrations of all of the contaminants present are below the Class A threshold values, the sediment is considered to present a low risk to aquatic life.
3. If the concentration of one or more contaminants exceeds the Class C threshold values, then the sediment is considered highly contaminated, and likely to present a high risk to aquatic life.
4. If the concentration of one or more contaminants lies between the Class A and Class C threshold values and no contaminants exceed the Class C threshold values, then the sediments are considered to be moderately contaminated (Class B). Additional testing and/or evaluation are needed to determine the magnitude and extent of or potential for aquatic life toxicity.
5. For contaminant mixes such as PAHs, the classification of sediment can be based on the mean SGV quotient, assuming none of the individual quotients exceed 1.0. That is, if the mean Class A quotient is less than 1.0, then the sediments may be considered to be Class A; and if the mean Class C threshold is greater than 1.0, then the sediments are considered to be Class C. Sediments with a mean Class A quotient that is greater than 1.0 and a mean Class C quotient that is less than 1.0 are considered to be Class B. Total SGV quotients are used instead of mean SGV quotients if the contaminants are likely to be additive in toxicity.

6. The second tier of sediment assessment is to adjust the SGVs for local conditions, such as TOC. This is applicable only to equilibrium partitioning-based SGVs. Once the site-specific TOC has been measured, the equilibrium-based SGVs can be recalculated and the screening and classification of sediments adjusted.
7. The third tier of sediment assessment is to conduct additional studies to measure and evaluate the potential for toxicity from contaminants in the sediment. The additional studies constitute a weight of evidence approach; that is, multiple lines of evidence are used to evaluate risk. Additional studies should be designed, as a minimum, to be consistent with the sediment quality triad, which includes toxicity testing and benthic macroinvertebrate community analysis. This report does not include a Tier 3 assessment.

2.2 Tier 1 Screening Assessment

Bulk sediment concentrations of detected chemicals collected from 45 sample locations at 3 depths (i.e., 0-6 inches, 6-12 inches, and 18-24 inches) were compared to Class A screening values from Table 1a in the DEC sediment guidance document (NYSDEC 2013).

Inorganics

Twenty-two metals in sediment were analyzed using US EPA method SW6010 and mercury was analyzed using US EPA method SW7471B). Twenty-three metals were detected at least once in site sediments. Calcium, magnesium, iron, potassium, and sodium are considered nutrient minerals and have no screening criteria and were not screened. These minerals are needed by organisms for normal metabolism and internal concentrations can be regulated over a wide range of concentrations. Nine other metals (i.e., aluminum, antimony, barium, beryllium, cobalt, manganese, selenium, thallium, and vanadium) also lack Class A screening values and were not evaluated. **Table 1** presents the results of the Tier 1 screening of metals against Class A criteria. A summary of locations where metals exceedances were most common is presented in **Figure 3**.

The greatest number of different metals exceeding Class A criteria occurred in the 0 to 6 inch interval samples. Nickel exhibited the greatest number of exceedances for all intervals (12 exceedances at 0 to 6 inches, 15 exceedances at 6 to 12 inches, and 27 at 18 to 24 inches). Other exceeding metals included arsenic (3 at 0 to 6 inches, 3 at 6 to 12 inches, and 4 at 18 to 24 inches); cadmium (2 at 0 to 6 inches); chromium (3 at 0 to 6 inches); copper (3 at 0 to 6 inches, 3 at 6 to 12 inches, and 1 at 18 to 24 inches); lead (4 at 0 to 6 inches, and 3 at 6 to 12 inches); mercury (3 at 0 to 6 inches, and 1 at 6 to 12 inches); and zinc (4 at 0 to 6 inches, and 1 at 6 to 12 inches). No metals exceeded NYSDEC Class C criteria at any depth. Therefore, all metals that exceed Class A criteria are considered Class B metals.

Because metals are naturally occurring elements in sediment, concentrations of metals within the natural background range are not expected to cause adverse effects to benthic communities. Natural background concentration ranges for metals in the region of the AOC G landfill are not available for sediment.

Site-specific background concentration ranges for metals may be developed from the existing data set using geochemical enrichment normal probability plots and geochemical correlations between naturally occurring elements, and other statistical tools. Alternatively, sediment samples from locations considered to be similar to the geological environment of the site, but not impacted by metal contamination, could be sampled and analyzed to establish background ranges for site metals.

Organic Compounds

Polychlorinated Biphenyls: PCBs were analyzed using US EPA method SW8082 as seven different Aroclor mixtures. Total PCBs were estimated as the sum of concentrations of detected

Aroclors. This is considered a conservative approach because certain congeners found in more than one mixture are "double counted".

- Aroclor 1254 and Aroclor 1260 were the only PCBs detected on the site. No other Aroclors were detected. **Table 2** presents the results of the Tier 1 screening of total PCBs against NYSDEC Class A criteria.

Total PCBs were detected at the transect sample locations closest to the toe of the landfill, except at SDC1 in the wetland-upland complex. Exceedance of NYSDEC Class A criteria were found at SDA4 (at 0 to 6 and 6 to 12 inches); SDB1 (at 0 to 6 inches); SDF1 (at 0 to 6, 6 to 12, and 18 to 24 inches); SDH1 (at 0 to 6 inches); SDJ1 (0 to 6 inches); and SDK1 (0 to 6 inches). The distribution of exceedances suggests a landfill source of PCBs. A summary of total PCB concentrations exceeding Class A criteria is presented on **Figure 4**.

- PCBs also exceeded Class A criteria at 2 locations in the Sanders Creek floodplain at S-8 (6 to 12 inches, and 18 to 24 inches) and S-9 (0 to 6 inches, 6 to 12 inches, and 18 to 24 inches).

- Concentrations of total PCBs at SDF1 (0 to 6 inches and 18 to 24 inches) also exceed the NYSDEC Class C criteria, indicating a potential for adverse effects to the benthic community in the area of SDF1. The potential for adverse effects was further evaluated considering the potential bioavailability of PCBs in the sediment.

Using the equilibrium partitioning (EqP) method provided in NYSDEC draft sediment guidance (NYSDEC 2013), carbon-normalized SGVs for Aroclor 1254, Aroclor 1260 and Total PCBs were developed (see **Appendix A** for details). For those locations where Class A and Class C criteria were exceeded, the PCB concentrations were normalized to the TOC content and the result compared to the carbon-normalized SGVs.

- Concentrations of total PCBs at F-1 (0 to 6 inches and 18 to 24 inches) exceed the EqP sediment guidance values indicating a probable adverse effect to the benthic community in the area of F-1. Further risk management action is required for sediments in the area of F-1.
- Concentrations of total PCBs at all other locations where the Class A screening value was exceeded did not exceed the EqP sediment guidance values indicating that risk to the benthic community at those sites is acceptable and no further action is necessary to protect benthic communities from PCB exposure.

Volatile Organic Compounds: Samples were analyzed using US EPA method SW8260C for VOCs. The VOCs were screened individually against NYSDEC Class A criteria and the results are presented in **Table 3**. Thirteen VOCs detected in sediment have no NYSDEC Class A criteria. Using the EqP method provided in State guidance (NYSDEC 2013), the missing criteria were developed for 10 of the 13 (**Appendix A**). Chloroform is the only VOC that exceeds a Class A screening criterion. Chloroform was detected at 0.00077 mg/kg at C-2 which slightly exceeds the screening criterion of 0.0007 mg/kg. The relatively small exceedance and low frequency of detection indicate that chloroform exposure is not likely to cause unacceptable adverse effects to benthic communities. Therefore, no VOCs are expected to cause adverse effects to benthic communities and no further action is required regarding VOCs in sediment at the AOC G site.

Semi-Volatile Organic Compounds: SVOCs, except PAHs, were analyzed using US EPA method SW8270D. The SVOCs were screened individually against NYSDEC Class A criteria and the results are presented in **Table 4**. Five SVOCs detected in sediment have no NYSDEC Class A criteria. Using the EqP method provided in State guidance (NYSDEC 2013), the 5 missing criteria were developed (**Appendix A**). No SVOCs exceed Class A screening criteria. Therefore, SVOCs are not expected to cause adverse effects to benthic communities and no further action is required regarding SVOCs in sediment at the AOC G site.

Polycyclic Aromatic Hydrocarbons: PAHs were analyzed using US EPA method SW8270C SIM for 34 PAHs (18 specific non-alkylated compounds and 16 generic alkylated forms). The PAH

concentrations were screened individually against NYSDEC Class A criteria and the results are presented in **Table 5**. Because PAHs represent a family of compounds with a common mode of toxicity, PAH toxicity is also assessed on a combined basis. NYSDEC proposed the following approach to assess the potential toxic effect expected from exposure to combined PAH concentrations:

- Concentrations of all 34 PAHs and TOC are measured in a sediment sample as micrograms per kilogram (µg/kg) of sediment.
- The concentration of each PAH detected is normalized to the percent of TOC in the sediment to produce a concentration of each PAH detected in units of µg PAH /gram (g) TOC.
- The concentration of each individual PAH present is divided by its corresponding SGV (Table 2, Column 5 in NYSDEC 2013). This quotient is described as a Toxic Unit (TU). In this context, a TU is essentially the same as a SGV quotient.
- The resulting TUs for each individual PAH are summed to produce a total TU for the mixture. If the total TU is greater than 1.0, the sediment is considered to be potentially toxic. The PAH concentrations at all locations and depths were screened as TUs and are presented in **Table 5**.
- The total TU for the 34-compound PAH mixture did not exceed 1 at any sample location, indicating that combined PAHs at the AOC G landfill site are not expected to cause adverse effects to benthic communities.
- No further action is required regarding PAHs in sediment at the AOC G landfill site.

2.3 Data Usability Assessment

The laboratory data collected during this project was reviewed by a third party chemist to provide an independent verification of its validity and usability. The Data Usability Summary Reports (DUSRs) for this project's Sample Delivery Groups are attached as **Appendix B**. In the opinion of the data validator, the tabulated data attached to this report is acceptable for its intended purpose, as qualified. A few non-detectable analysis results were rejected, as discussed below:

- The values for 2,4-Dinitrophenol (an SVOC) in two samples collected on November 6, 2013 were rejected due to low matrix spike/matrix spike duplicate (MS/MSD) recoveries.
- The non-detect SVOC results for one sample collected on November 7, 2013 were rejected due to exceeded holding times. The PCB results for another sample on this date (equipment blank) were rejected due to low surrogate recoveries.
- Several VOC results for two samples collected on November 8, 2013 were rejected due to low MS/MSD recoveries. The 2,4-Dinitrophenol result for one of these samples was also rejected due to low MS/MSD recoveries.

In AECOM's opinion, these deficiencies do not impact the assessment of sediment quality presented in this report for the following reasons:

- The compound 2,4-Dinitrophenol was not detected in any of the samples collected during the field event, so the rejection of its reported non-detect result for the two samples discussed above does not affect the assessment of this compound.
- Although the non-detect SVOC results for the November 7 sample were rejected, the compounds detected in this sample were at low concentrations, well below the Class A criteria. The rejected non-detect PCB results for the equipment blank on November 7 were not a concern, as PCBs were not detected in this or any of the other equipment blanks analyzed during the sampling event.
- Similarly, the rejected VOC and 2,4-Dinitrophenol non-detect results on November 8 do not affect the assessment of these compounds, as the specific compounds for which the data was rejected were not detected in any other samples during the sampling event, with the exception

of one VOC in a single sample. This detection was at a low concentration, well below the Class A criterion for the compound.

3.0 Summary of the AOC G November 2013 Wetland Investigation

The wetland delineation and sampling of the wetland area was completed during the week of November 4, 2013 as reported in this memorandum and summarized below.

- AECOM delineated the jurisdictional boundary between the upland portions of AOC G and the adjacent wetlands using the method documented in the Corps of Engineers Wetlands Delineation Manual (Technical Report Y-87-1, 1987), as modified by Supplement V2 (ERDC/EL TR-12-1, 2012), based on the presence of hydrophytic vegetation, hydric soils, and wetland hydrology.
- Sediment samples were collected from three depth intervals (0-6 inches, 6-12 inches, and 18-24 inches) from forty-three sediment sample locations.
- Each sediment sample was analyzed for VOCs, TOC, SVOCs, PCBs, Metals, percent moisture, and T34 PAHs.

Concentrations of analytes detected in the samples were compared to Class A screening values from Table 1a in the draft NYSDEC sediment guidance document (*Screening and Assessment of Contaminated Sediment*, NYSDEC, DFWMR, Bureau of Habitat, January 24, 2013).

- Metals exceeding the Class A criteria included arsenic, cadmium, chromium, copper, lead, nickel, mercury, and zinc. No metals exceeded NYSDEC Class C criteria at any depth. Therefore, all metals that exceed Class A criteria are considered Class B metals. Site–specific background concentration ranges for metals may be developed from the existing data set or, alternatively, sediment samples from locations considered to be similar to the geological environment of the site, but not impacted by metal contamination, could be sampled and analyzed to establish background ranges for site metals.
- PCBs were detected at the transect sample locations closest to the toe of the landfill, except at the location (SDC1) in the wetland-upland complex. Exceedances of NYSDEC Class A criteria were found at locations SDA4, SDB1, SDF1, SDH1, SDJ1, and SDK1. The distribution of these exceedances suggests a landfill source of PCBs.
- PCBs were also detected in excess of the Class A criteria at 2 locations within the floodplain of Sanders Creek, S-8 and S-9. Because no PCBs were detected in the swale between the AOC G landfill and Sanders Creek, the source of PCBs in the floodplain is assumed to be sediments from Sanders Creek deposited in the floodplain during flooding events that overtopped the creek banks.
- PCBs exceeded the Class C criteria at only one location: SDF1.
- Chloroform, detected at 0.00077 mg/kg at SDC2, was the only VOC that exceeded a Class A screening criterion. Although slightly exceeding the screening criterion, due to its minimal exceedance and low frequency of detection, chloroform exposure is not likely to cause unacceptable adverse effects to benthic communities. Therefore, no VOCs are expected to cause adverse effects to benthic communities and no further action is required regarding VOCs in sediment at the site.
- No SVOCs exceed Class A screening criteria. Therefore, SVOCs are not expected to cause adverse effects to benthic communities and no further action is required regarding SVOCs in sediment at the AOC G site.
- The evaluation of PAHs indicates that PAHs at the site are not expected to cause adverse effects to benthic communities. No further action is required regarding PAHs in sediment at the AOC G landfill site.

4.0 Closing

AECOM looks forward to your comments and questions regarding this report. Please feel free to contact Daniel Servetas at (518) 951-2378.

Sincerely,

AECOM USA, Inc.

Daniel Servetas, P.E.
Project Manager
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cc: K. Anders (NYSDOH)
M. Sergott (NYSDOH)
J. Wolski (UTC)
K. McFadden (UTC)
J. Alberg (AECOM)
T. Schwendeman (AECOM)

Enc: Figure 1, Site Plan

Figure 2, Field Activity Summary (D-size)

Figure 3, Distribution of Metals in Sediments at AOC G

Figure 4, NYSDEC PCB Sediment Criteria Exceedances at AOC G

Table 1, Screening of Metals in Sediment by Depth

Table 2, Distribution of PCBs in Sediment by Depth

Table 3, VOC Screening Table

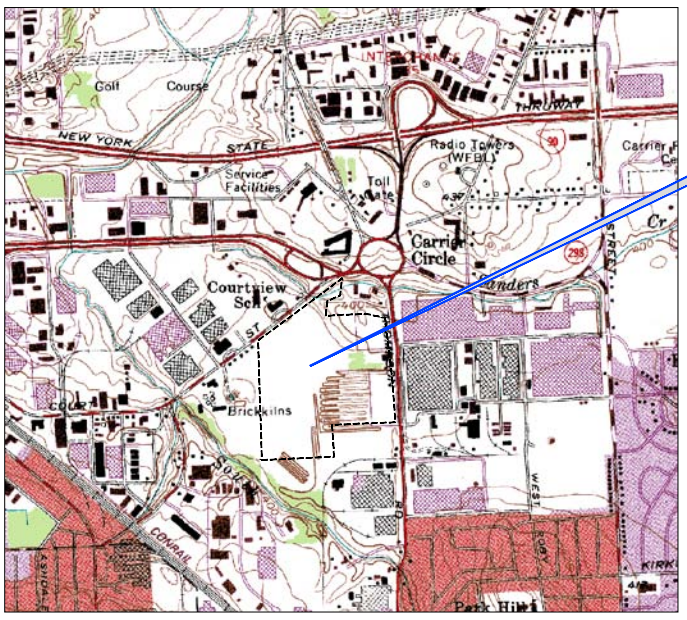
Table 4, SVOC Screening Table

Table 5, PAH Screening Table with Calculated Toxicity Units

Appendix A - Use of Equilibrium Partitioning Theory to Develop Sediment Guidance Values for Nonpolar Organic Compounds

Appendix B - Data Usability Summary Reports

Figures



SITE LOCATION

Source: U.S.G.S 7.5 minute quadrangle

SITE LOCATION MAP

NOT TO SCALE

SUMMARY KEY:

- Area of Concern (AOC) Limits
- Wetland line (dashed where inferred)
- Upland / Wetland Complex

LEGEND:

- Major Contour (400)
- Minor Contour (399)
- Edge of Woods
- Edge of Water
- Edge of Gravel
- Guide Rail
- Centerline of Road
- Chain Link Fence
- Gas Valve
- Water Valve
- Fire Hydrant
- Manhole
- Utility Pole
- Guy Wire
- Light Pole
- Tree
- Sign
- Post
- Gas Station Implements (e.g. Monitor Well, Fill or Vent Ports)

Map References:

1) Base mapping from a field survey and plans titled "Map Showing Existing Conditions, Former Carrier Landfill, AOC G and Sanders Creek, by Thew Associates, dated January 21, 2014, including all notes and references therein.

2) The Topographic and planimetric features shown hereon were mapped utilizing photogrammetric mapping techniques. The aerial photography was obtained on November 16, 2013. A field edit was performed on January 3, 2014 to verify the accuracy and completeness of the photogrammetric mapping.

3) Field observations made by AECOM personnel, various dates.

SITE PLAN

NORTH

0' 75' 150' 300'

Issue Status: Final

CARRIER - DEWITT LANDFILL (AOC G)
THOMPSON ROAD, SYRACUSE, NEW YORK
Project No.: 60310231 Date: 02-24-2014

FIGURE 1
SITE PLAN

AECOM

Last saved by: MEISTERK(2014-02-21) Last Plotted: 2014-02-21
Filename: P:\60310231\900-CAD-GIS\930-ACAD\REF\60310231-BASE.DWG

Project Management Initials: Designer: KAM Checked: RH Approved: DS ANSI D 22" x 34"

SUMMARY KEY:

- Area of Concern (AOC) Limits
- Wetland line (dashed where inferred)
- Upland / Wetland Complex
- C-1 — Sample location

LEGEND:

- 400 — Major Contour
- 399 — Minor Contour
- Edge of Woods
- Edge of Water
- Edge of Gravel
- Guide Rail
- Centerline of Road
- Chain Link Fence
- GV — Gas Valve
- WV — Water Valve
- Fire Hydrant
- Manhole
- Utility Pole
- Guy Wire
- Light Pole
- Tree
- Sign
- Post
- Gas Station Implements (e.g. Monitor Well, Fill or Vent Ports)

NORTH

0' 75' 150' 300'

Issue Status: Final

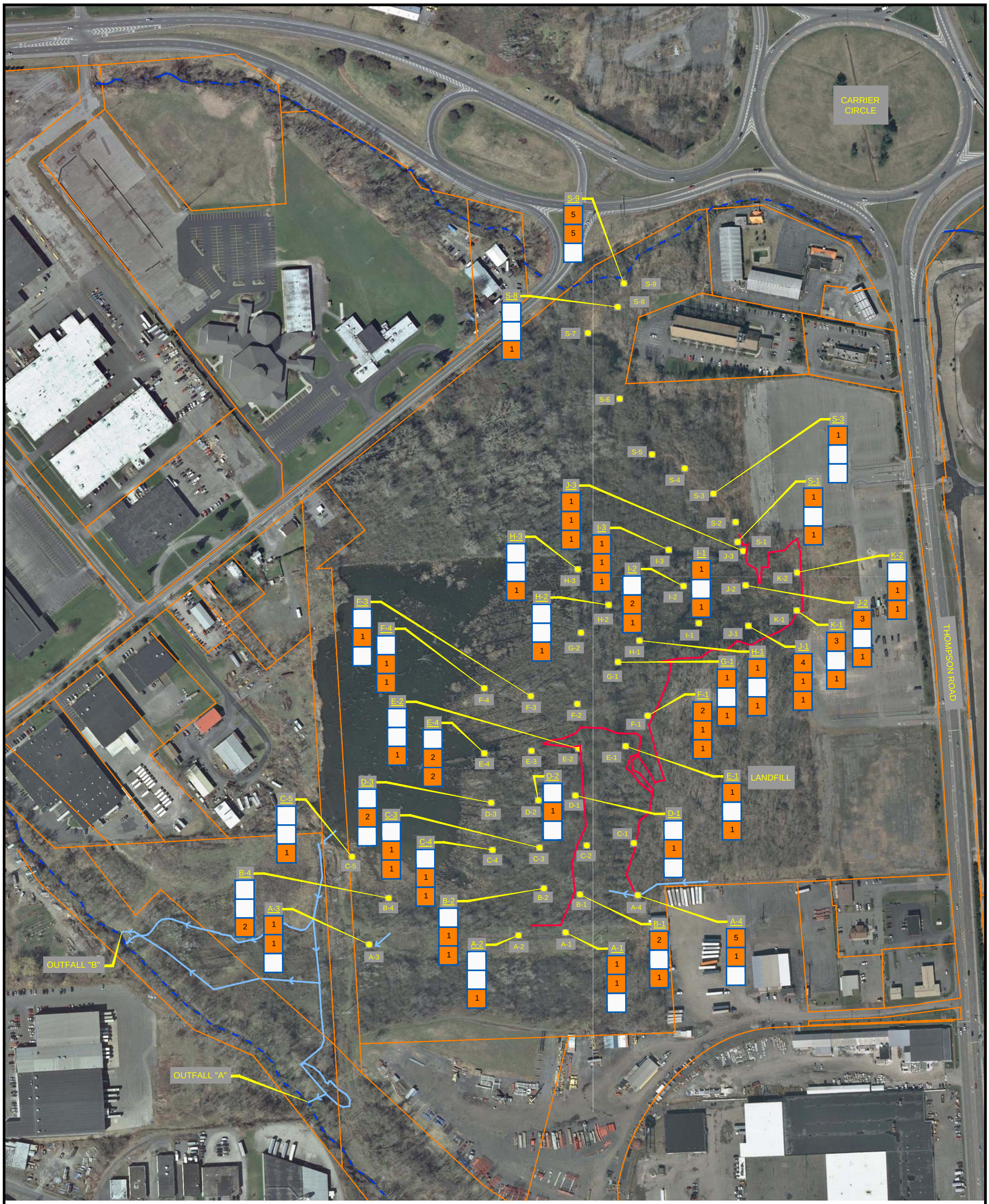
CARRIER - DEWITT LANDFILL (AOC G)
THOMPSON ROAD, SYRACUSE, NEW YORK
Project No.: 60310231 Date: 02-24-2014

FIGURE 2 - FIELD ACTIVITY SUMMARY

AECOM

Last saved by: MEISTERK (2014-02-21) Last Plotted: 2014-02-21
Filename: P:\60310231\900-CAD-GIS\930-ACAD\WORK_PLAN\CARRIER_WORKPLAN.DWG

Project Management Initials: Designer: KAM Checked: RH Approved: DS ANSI D 22" x 34"



Map Reference:
Photo from NYS GIS Orthos Online.

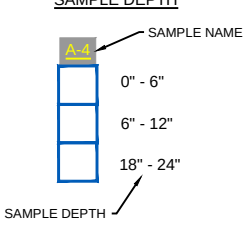
LEGEND

- APPROXIMATE PROPERTY BOUNDARY (TAX MAP)
- CREEK
- DRAINAGE PATH AND DIRECTION
- WETLAND LINE
- C-1 SAMPLE LOCATION (SEE NOTE)

NOTE:
NO DETECTIONS UNLESS IDENTIFIED IN ASSOCIATED CALL-OUT BOX.

SAMPLE KEYS

SAMPLE DEPTH



SAMPLE CONCENTRATION

- NO EXCEEDANCE AT INTERVAL
- 2 EXCEEDANCE WITH NUMBER OF METALS EXCEEDING CLASS "A" CRITERIA

NORTH

0' 75' 150' 300'

Issue Status: Final

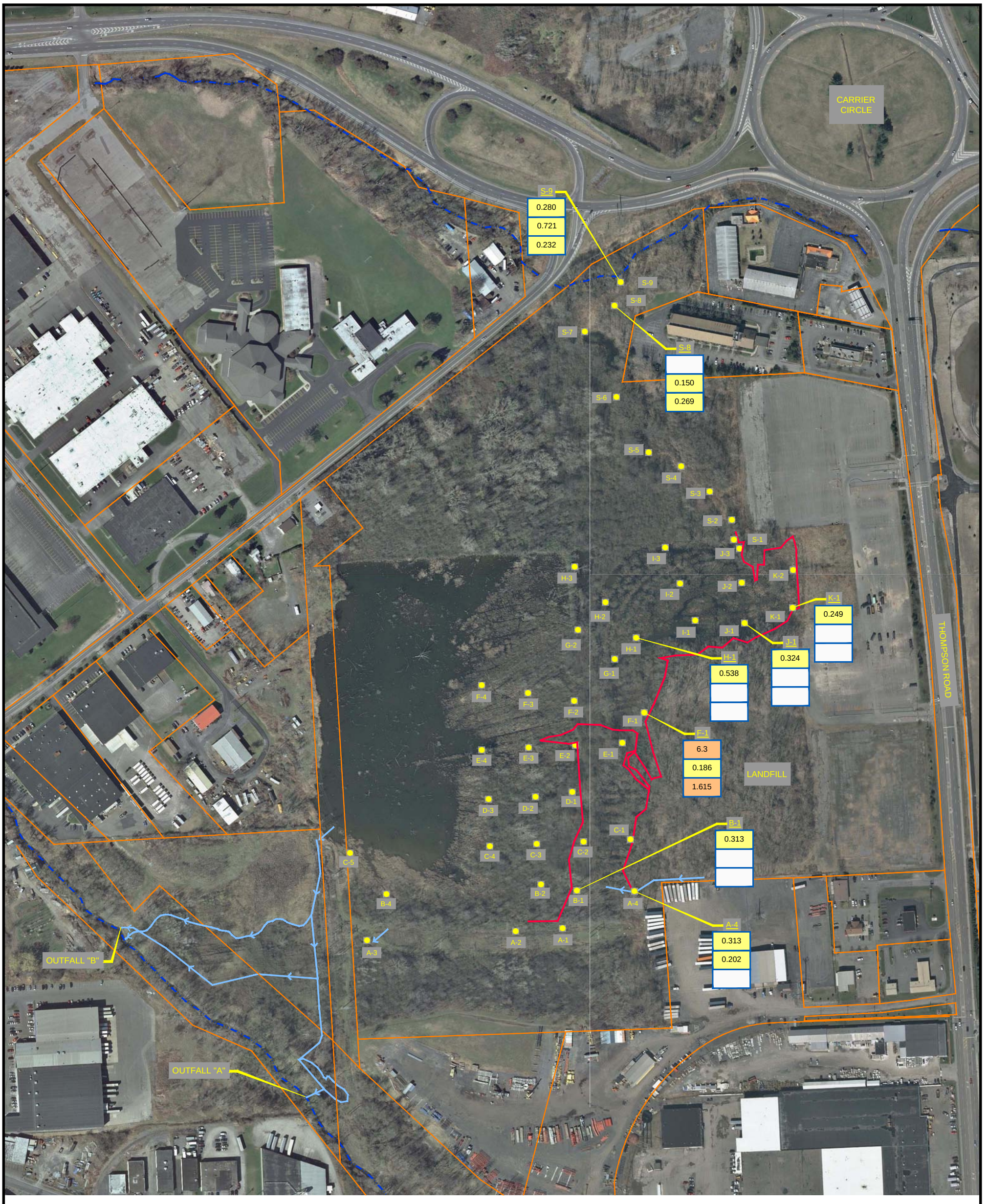
CARRIER - DEWITT LANDFILL (AOC G)
THOMPSON ROAD, SYRACUSE, NEW YORK
Project No.: 60310231 Date: 02-24-2014

FIGURE 3
DISTRIBUTION OF METALS IN SEDIMENTS
AT AOC G

AECOM

Last saved by: MEISTERK (2014-02-21) Last Plotted: 2014-02-21
Filename: P:\60310231\900-CAD-GIS\930-ACAD\WORK_PLAN\CARRIER_WORKPLAN.DWG

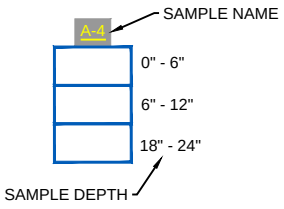
Project Management Initials: Designer: KAM Checked: RH Approved: DS ANSI D 22" x 34"



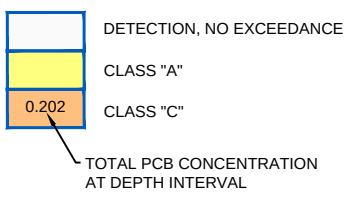
Map Reference:
Photo from NYS GIS Orthos Online.

SAMPLE KEYS

SAMPLE DEPTH



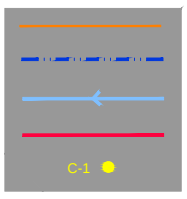
SAMPLE CONCENTRATION



NORTH

0' 75' 150' 300'

LEGEND



NOTE:
NO DETECTIONS UNLESS IDENTIFIED IN ASSOCIATED CALL-OUT BOX.

Issue Status: Final

CARRIER - DEWITT LANDFILL (AOC G)
THOMPSON ROAD, SYRACUSE, NEW YORK
Project No.: 60310231 Date: 02-24-2014

FIGURE 4
NYSDEC PCB SEDIMENT CRITERIA EXCEEDANCES AT AOC G

AECOM

Tables

Table 1
Screening of Metals in Sediment by Depth
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria		Transect A				Transect B				Transect C					Transect D			Transect E				Transect F			
Sample ID			SDA1	SDA2	SDA3	SDA4	SDB1	SDB2 (Dup)	SDB2	SDB4	SDC1	SDC2	SDC3	SDC4	SDC5	SDD1	SDD2	SDD3	SDE1	SDE2	SDE3	SDE4	SDF1	SDF2	SDF3	SDF4
Sample Date			11/6/2013	11/6/2013	11/7/2013	11/8/2013	11/6/2013	11/7/2013	11/7/2013	11/7/2013	11/6/2013	11/6/2013	11/6/2013	11/8/2013	11/7/2013	11/6/2013	11/7/2013	11/8/2013	11/6/2013	11/6/2013	11/8/2013	11/8/2013	11/4/2013	11/7/2013	11/8/2013	11/8/2013
Chemical Name	CLASS A	CLASS C																								
Depths: 0-6 inches																										
ALUMINUM	--	--	13200 J	12900 J	12400 J	9020 J	15000 J	12900	13400	8800 J	9890 J	10900 J	11100 J	15100	12500 J	11800 J	12800	12400	12300 J	8180 J	10600	6310	14300 J	12200	11600	11000
ANTIMONY	--	--	< 1.1 UJ	< 0.92 UJ	< 0.94 UJ	< 1.2 UJ	< 1.2 UJ	0.20 J	0.20 J	< 1.1 UJ	< 0.68 UJ	< 0.74 UJ	< 0.90 UJ	< 1.0 UJ	0.23 J	< 0.83 UJ	< 1.0 UJ	< 0.97 UJ	< 0.83 UJ	< 0.81 UJ	< 1.0 UJ	0.26 J	< 1.1 UJ	< 1.1 UJ	0.29 J	0.25 J
ARSENIC	<10	<33	4.3	4.2	6.5	8.8	**10.3**	4.5	4.7	3.1	2.5	3.2	4.4	6.3	4.3	5.0	4.9	4.8	4.8	3.9	6.6	5.2	7.4	5.6	4.3	3.4
BARIUM	--	--	119 J	87.9 J	88.7 J	90.5 J	134 J	85.4 J	86.8 J	70.2 J	71.5 J	76.5 J	71.5 J	103	89.0 J	85.4 J	82.1 J	82.3	82.0 J	71.8 J	73.9	68.7	113 J	95.3 J	99.0	90.6
BERYLLIUM	--	--	0.57 J	0.53 J	0.58 J	0.62 J	0.74 J	0.59 J	0.62 J	0.41 J	0.45 J	0.48 J	0.49 J	0.69	0.54 J	0.53 J	0.53 J	0.52	0.52 J	0.40 J	0.54	0.42	0.69 J	0.58 J	0.56	0.53
CADMIUM	<1	<5	< 0.44 U	< 0.37 U	0.066 J	**1.5**	0.17 J	0.13 J	0.21 J	0.13 J	0.48	0.21 J	0.25 J	0.18 J	0.24 J	0.43	0.094 J	0.17 J	0.041 J	0.33	0.29 J	0.13 J	0.10 J	0.12 J	0.16 J	0.20 J
CALCIUM	Nutrient		86400 J	21500 J	26400 J	163000 J	50400 J	4330	3890	4780 J	3760 J	3290 J	8800 J	4590	3260 J	4840 J	2970	2740	78500 J	4810 J	3310	3890	16900 J	22100	13700	5950
CHROMIUM, TOTAL	<43	<110	18.9 J	17.9 J	15.8 J	18.8 J	21.3 J	18.3 J	18.6 J	12.1 J	14.9 J	15.7 J	16.2 J	19.0 J	16.6 J	17.7 J	16.6 J	15.7 J	18.5 J	13.3 J	15.2 J	10.4 J	36.3 J	17.4 J	16.3 J	16.1 J
COBALT	--	--	9.8 J	6.6 J	11.3	8.3	13.9 J	6.8 J	6.9 J	5.6 J	5.7 J	5.7 J	6.6 J	8.5 J	6.7	7.5 J	5.8 J	8.4 J	7.8 J	5.6 J	8.8 J	4.5 J	12.1 J	8.3 J	8.3 J	6.9 J
COPPER	<32	<150	22.7	19.4	25.7	**39.6**	29.5	20.3	20.4	20.1	18.9 J	17.4 J	16.8 J	14.8	22.5	17.1 J	10.7	13.2	22.8 J	20.9 J	22.2	24.3	28.7 J	21.3	18.2	19.4
IRON	--	--	20000	18000	20700 J	15200 J	24800	17700 J	18400 J	13400 J	12700 J	13500 J	16600 J	29500 J	17400 J	17500 J	18100 J	17400 J	17800 J	12400 J	17900 J	11700 J	24100	19000 J	16900 J	15100 J
LEAD	<36	<130	9.1 J	14.3 J	12.0	**45.4**	21.9 J	27.3 J	28.0 J	22.6	27.0 J	28.9 J	21.1 J	25.2	30.2	28.4 J	20.1 J	20.5	13.3 J	25.4 J	25.6	28.9	25.0 J	23.2 J	20.4	20.3
MAGNESIUM	Nutrient		31300	11400	16700 J	14700 J	23700	4200 J	4340 J	3830 J	3100 J	3680 J	7030 J	4360	3950 J	4670 J	3760 J	3740	32200 J	3470 J	3500	2120	10500 J	14000 J	9710	5360
MANGANESE	--	--	417 J	216 J	672 J	562 J	1270 J	288 J	249 J	157 J	105 J	154 J	232 J	541 J	180 J	301 J	156 J	290 J	330 J	188 J	264 J	143 J	434 J	359 J	331 J	201 J
MERCURY	<0.2	<1	0.070	0.060	0.035 J	0.17	0.19	0.11	0.10	0.071	0.085	0.12	0.078	0.12	0.086	0.098	0.089	0.083	0.069	0.095	0.083	0.076	**0.28**	0.074	0.066	0.084
NICKEL	<23	<49	**25.6 J**	21.3 J	**25.4 J**	**23.2 J**	**33.4 J**	16.1 J	16.9 J	13.4 J	14.5 J	14.7 J	17.1 J	17.4 J	16.1 J	18.2 J	14.4 J	15.5 J	23.0 J	15.4 J	18.1 J	12.2 J	**32.8 J**	21.0 J	18.9 J	18.4 J
POTASSIUM	Nutrient		1780 J	1180 J	1150 J	1610 J	1680 J	1400 J	1320 J	851 J	1070 J	1100 J	1090 J	1350 J	1130 J	1240 J	1230 J	1180 J	1320 J	1080 J	1250 J	663 J	1990 J	1370 J	1150 J	1200 J
SELENIUM	--	--	< 1.1 U	< 0.92 U	< 0.94 U	< 1.2 U	< 1.2 U	0.80 J	0.89 J	0.54 J	0.44 J	0.44 J	< 0.90 U	< 1.0 U	0.43 J	0.52 J	0.85 J	0.40 J	< 0.83 U	0.50 J	0.35 J	1.0	< 1.1 U	0.39 J	0.56 J	0.56 J
SILVER	<1	<2.2	< 0.55 U	< 0.46 U	< 0.47 U	0.21 J	< 0.60 U	< 0.53 U	< 0.50 U	< 0.57 U	< 0.34 U	< 0.37 U	< 0.45 U	< 0.51 U	0.13 J	< 0.41 U	< 0.52 U	< 0.49 U	< 0.41 U	< 0.40 U	< 0.50 U	< 0.43 U	< 0.56 U	< 0.53 U	< 0.53 U	< 0.46 U
SODIUM	Nutrient		< 550 U	< 460 U	< 470 U	< 620 U	< 600 U	< 530 U	< 500 U	< 570 U	< 340 U	< 370 U	< 450 U	< 510 U	< 500 U	< 410 U	< 520 U	< 490 U	< 410 U	< 400 U	< 500 U	< 430 U	68.1 J	< 530 U	< 530 U	< 460 U
THALLIUM	--	--	0.38 J	0.45 J	< 0.94 U	< 1.2 U	0.55 J	< 1.1 U	< 1.0 U	< 1.1 U	0.28 J	0.23 J	0.50 J	0.27 J	< 0.99 U	0.16 J	< 1.0 U	< 0.97 U	0.14 J	< 0.81 U	< 1.0 U	0.28 J	0.37 J	< 1.1 U	0.22 J	< 0.93 U
VANADIUM	--	--	21.2 J	20.6 J	20.0	29.2	28.1 J	24.5 J	25.8 J	18.2	20.0 J	19.7 J	19.5 J	24.9 J	25.5	22.0 J	21.2 J	21.7 J	20.4 J	16.2 J	21.0 J	17.0 J	29.3 J	21.8 J	20.4 J	18.9 J
ZINC	<120	<460	47.1 J	58.5 J	46.5 J	**171 J**	65.8 J	78.0 J	78.2 J	51.1 J	61.6 J	55.7 J	58.0 J	81.8 J	71.3 J	77.7 J	60.3 J	64.2 J	50.0 J	58.7 J	63.4 J	32.5 J	60.9 J	58.4 J	61.2 J	60.7 J
Depths: 6-12 inches																										
ALUMINUM	--	--	9590 J	13700 J	16200 J	10700	12900 J		15300	10600 J	12300 J	10600 J	11900 J	16400	12600 J	12100 J	12300	11700	13600 J	14000 J	11900	7670	13700 J	13500	13400	13500
ANTIMONY	--	--	< 0.95 UJ	< 0.95 UJ	< 0.92 UJ	0.41 J	< 0.98 UJ		< 1.0 UJ	< 1.0 UJ	< 0.79 UJ	< 0.82 UJ	< 1.1 UJ	< 0.91 UJ	< 1.1 UJ	< 0.74 UJ	< 0.91 UJ	< 0.73 UJ	< 0.75 UJ	< 0.82 UJ	< 0.89 UJ	0.44 J	< 0.98 UJ	< 1.1 UJ	0.29 J	0.37 J
ARSENIC	<10	<33	6.4	4.2	5.7	9.5	3.3		8.1	4.7	4.9	3.5	9.5	9.7	5.7	8.8	5.9	**11.0**	2.4	3.8	4.3	**11.9**	2.4	2.6	6.5	6.3
BARIUM	--	--	88.8 J	94.2 J	147 J	93.6	80.1 J		122 J	75.7 J	88.7 J	68.7 J	81.5 J	132	111 J	150 J	133 J	90.6	169 J	103 J	84.6	93.3	82.2 J	172 J	104	127
BERYLLIUM	--	--	0.44 J	0.56 J	0.63 J	0.69	0.52 J		0.72 J	0.45 J	0.55 J	0.45 J	0.53 J	0.77	0.55 J	0.54 J	0.53 J	0.55	0.56 J	0.59 J	0.53	0.55	0.59 J	0.59 J	0.61	0.60
CADMIUM	<1	<5	< 0.38 U	< 0.38 U	< 0.37 U	0.68	< 0.39 U		0.073 J	0.11 J	0.22 J	0.14 J	< 0.45 U	< 0.36 U	0.21 J	< 0.30 U	0.19 J	0.12 J	< 0.30 U	0.20 J	0.20 J	0.092 J	0.049 J	< 0.43 U	< 0.36 U	0.10 J
CALCIUM	Nutrient		67900 J	27000 J	48500 J	31200	46700 J		22300	3510 J	2450 J	11200 J	62000 J	5090	6450 J	70500 J	2710	27900	86300 J	4180 J	3130	4220	78000 J	130000	50400	21000
CHROMIUM, TOTAL	<43	<110	14.0 J	18.9 J	20.5 J	18.1 J	18.5 J		20.9 J	13.4 J	17.4 J	14.7 J	17.3 J	22.6 J	16.1 J	17.5 J	15.1 J	15.5 J	18.4 J	18.1 J	14.3 J	12.1 J	19.4 J	17.7 J	18.0 J	18.0 J
COBALT	--	--	9.6 J	6.5 J	12.2	8.4 J	6.2 J		15.0 J	7.5	9.2 J	5.8 J	13.4 J	15.1 J	13.3	12.4 J	20.0 J	13.6 J	7.2 J	7.1 J	7.1 J	7.2 J	8.0 J	8.4 J	9.4 J	10.4 J
COPPER	<32	<150	20.8	16.8	24.9	32.0	14.2		23.7	15.4	14.5 J	11.7 J	23.3 J	26.8	16.8	24.3 J	7.5	23.1	20.6 J	14.9 J	12.4	**40.2**	19.0 J	17.3	23.5	17.7
IRON	--	--	18900	19100	23700 J	16700 J	17800	Not	33700 J	17100 J	26300 J	15000 J	21400 J	39900 J	20900 J	25800 J	26300 J	26100 J	16800 J	18200 J	15900 J	16900 J	16200	17400 J	29500 J	28700 J
LEAD	<36	<130	8.6 J	9.0 J	8.9	**39.2**	7.3 J	Sampled	14.7 J	16.0	19.2 J	16.6 J	10.3 J	13.0	17.9	9.3 J	13.1 J	10.9	7.6 J	9.9 J	11.7	29.0	8.2 J	7.8 J	8.6	10.5
MAGNESIUM	Nutrient		23000	15900	25400 J	14200	27800		14500 J	4010 J	3600 J	7310 J	30300 J	8130	5390 J	32000 J	3850 J	17400	26700 J	5600 J	3830	2380	29000 J	27200 J	24700	13700
MANGANESE	--	--	383 J	212 J	408 J	486 J	258 J		814 J	176 J	154 J	186 J	714 J	1200 J	351 J	648 J	2140 J	736 J	318 J	124 J	318 J	506 J	410 J	444 J	383 J	529 J
MERCURY	<0.2	<1	0.027 J	0.030 J	0.038	0.19	0.097		0.051	0.049	0.079	0.062	0.026 J	0.051	0.067	0.026 J	0.046	0.038	0.028 J	0.057	0.061	0.074	0.022 J	0.035	0.026 J	0.041
NICKEL	<23	<49	**24.9 J**	22.7 J	**27.7 J**	21.2 J	22.2 J		**26.5 J**	14.2 J	16.9 J	14.6 J	**27.8 J**	**33.2 J**	17.7 J	**32.2 J**	14.7 J	**25.0 J**	**23.1 J**	18.8 J	14.5 J	16.2 J	**23.9 J**	23.0 J	**25.4 J**	**23.4 J**
POTASSIUM	Nutrient		1270 J	1230 J	1820 J	1280 J	1350 J		1500 J	936 J	1150 J	948 J	1500 J	1620 J	1030 J	1370 J	1020 J	1190 J	1610 J	1200 J	1300 J	579 J	2350 J	1530 J	1760 J	1360 J
SELENIUM	--	--	< 0.95 U	< 0.95 U	< 1.8 U	0.46 J	< 0.98 U		< 1.0 U	0.44 J	0.42 J	0.30 J	< 1.1 U	< 0.91 U	< 1.1 U	< 1.5 U	0.65 J	< 1.5 U	< 1.5 U	< 0.82 U	< 0.89 U	1.0	< 0.98 U	< 1.1 U	< 0.89 U	< 0.83 U
SILVER	<1	<2.2	< 0.48 U	< 0.47 U	< 0.46 U	0.19 J	< 0.49 U		< 0.52 U	< 0.52 U	< 0.39 U	< 0.41 U	< 0.56 U	< 0.45 U	< 0.54 U	< 0.37 U	< 0.46 U	< 0.37 U	< 0.38 U	< 0.41 U	< 0.44 U	< 0.46 U	< 0.49 U	< 0.53 U	< 0.44 U	< 0.42 U
SODIUM	Nutrient		< 480 U	< 470 U	< 460 U	< 390 U	< 490 U		< 520 U	< 520 U	< 390 U	< 410 U	< 560 U	< 450 U	< 540 U	< 370 U	< 460 U	< 370 U	< 380 U	< 410 U	< 440 U	< 460 U	122 J	< 530 U	< 440 U	< 420 U
THALLIUM	--	--	0.33 J	0.32 J	< 0.92 U	0.27 J	0.21 J		< 1.0 U	< 1.0 U	0.17 J	0.28 J	0.49 J	0.33 J	< 1.1 U	0.12 J	< 0.91 U	< 0.73 U	0.17 J	< 0.82 U	< 0.89 U	0.18 J	0.29 J	< 1.1 U	< 0.89 U	< 0.83 U
VANADIUM	--	--	18.5 J	19.6 J	22.8	24.4 J	19.2 J		28.1 J	19.9	23.2 J	17.6 J	19.5 J	23.9 J	24.3	19.0 J	20.7 J	20.7 J	18.7 J	21.8 J	18.1 J	19.4 J	19.4 J	18.7 J	20.4 J	20.4 J
ZINC	<120	<460	38.9 J	49.2 J	52.8 J	86.6 J	44.3 J		65.6 J	49.6 J	55.9 J	44.4 J	45.1 J	72.0 J	59.3 J	46.9 J	51.2 J	50.8 J	42.8 J	57.4 J	46.0 J	36.5 J	40.4 J	41.2 J	48.5 J	51.8 J
Depths: 18-24 inches																										
ALUMINUM	--	--	11900 J	12500 J	10500	13500	13200 J		11700	11900 J	12500 J	10800 J	12600 J	13700	13600 J	13700 J	13300	12300	11300 J	12900 J	11500	7450	13900 J	12100	8580	12400
ANTIMONY	--	--	< 0.91 UJ	< 0.94 UJ	< 0.97 UJ	< 0.87 UJ	< 0.98 UJ		< 0.96 UJ	< 0.92 UJ	< 0.84 UJ	< 1.0 UJ	< 1.0 UJ	< 0.92 UJ	< 0.94 UJ	< 1.1 UJ	< 1.0 UJ	< 0.87 UJ	< 1.1 UJ	< 0.95 UJ	0.20 J	0.42 J	0.49 J	< 0.89 UJ	< 1.0 UJ	0.26 J
ARSENIC	<10	<33	3.4	5.6	4.4	6.4	6.2		4.7	**12.6**	5.1	5.0	5.0	7.2	2.0	3.8	5.3	4.2	3.8	8.4	4.6	**10.4**	9.8	4.1	5.6	6.9
BARIUM	--	--	140 J	91.3 J	88.1 J	92.2	87.7 J		100 J	126 J	118 J	79.7 J	97.5 J	104	113 J	158 J	95.7 J	77.9	113 J	105 J	92.6	85.9	119 J	124 J	80.6	119
BERYLLIUM	--	--	0.53 J	0.55 J	0.46 J	0.63	0.61 J		0.52 J	0.56 J	0.58 J	0.48 J	0.52 J	0.59	0.59 J	0.55 J	0.60 J	0.52	0.49 J	0.54 J	0.52	0.58	0.61 J	0.53 J	0.38 J	0.60
CADMIUM	<1	<5	< 0.36 U	< 0.38 U	< 0.39 U	0.23 J	< 0.39 U		< 0.38 U	< 0.37 U	0.19 J	< 0.42 U	< 0.41 U	< 0.37 U	< 0.37 U	< 0.44 U	< 0.41 U	0.052 J	< 0.43 U	0.047 J	< 0.30 U	0.067 J	0.50	< 0.36 U	0.052 J	< 0.42 U
CALCIUM	Nutrient		75100 J	61400 J	95000	16700	80800 J		74500	63600 J	2720 J	73700 J	78100 J	29300	71600 J	98800 J	41000	67400	85500 J	73500 J	73800	4110	36300 J	120000	69500	38200
CHROMIUM, TOTAL	<43	<110	17.6 J	18.2 J	14.7 J	17.8 J	18.6 J		16.2 J	15.5 J	16.5 J	16.4 J	17.9 J	19.1 J	17.1 J	18.9 J	18.2 J	16.1 J	16.4 J	17.2 J	15.5 J	11.4 J	33.0 J	15.4 J	12.4 J	17.2 J
COBALT	--	--	7.8 J	7.6 J	7.1 J	9.1 J	7.9 J		10.1 J	11.1	23.2 J	6.4 J	10.1 J	13.3 J	11.1	6.1 J	9.5 J	9.0 J	10.2 J	9.5 J	8.4 J	6.1 J	11.0 J	9.2 J	10.7 J	9.8 J
COPPER	<32	<150	17.3	20.7	18.4	18.3	23.0		22.8	25.6	9.1 J	19.0 J	20.5 J	24.3	21.1	17.9 J	20.1	20.7	21.9 J	20.0 J	21.1	**56.6**	29.9 J	19.4	18.4	24.4
IRON	--	--	17100	20000	15500 J	26200 J	21200	Not	18300 J	25900 J	34200 J	19400 J	17800 J	25500 J	17100 J	18300 J	20600 J	16900 J	17000 J	20700 J	25400 J	17200 J	31100	15800 J	17300 J	21100 J
LEAD	<36	<130	8.1 J	10.5 J	7.9 J	21.8	9.0 J	Sampled	9.6 J	8.5	15.0 J	6.9 J	9.0 J	9.6	9.0	7.6 J	10.4 J	8.9	8.0 J	9.5 J	7.7	25.8	14.3 J	6.2 J	8.3	12.8
MAGNESIUM	Nutrient		25200	21600	18600 J	6970	27800		28500 J	27800 J	3490 J	28500 J	29100 J	18500	30000 J	26900 J	27500 J	24400	26900 J	20000 J	28700	1410	24800 J	22900 J	25600	16900
MANGANESE	--	--	314 J	310 J	341 J	486 J	354 J		486 J	357 J	1630 J	344 J	442 J	617 J	415 J	267 J	521 J	345 J	527 J	394 J	373 J	160 J	421 J	325 J	478 J	425 J
MERCURY	<0.2	<1	0.026 J	0.033 J	0.017 J	0.19	0.029 J		0.029 J	0.027 J	0.052	0.025 J	0.027 J	0.030 J	0.023 J	0.027 J	0.034 J	0.032 J	0.024 J	0.031 J	0.031 J	0.077	0.060	0.022 J	0.019 J	0.035 J
NICKEL	<23	<49	22.4 J	**23.7 J**	18.7 J	19.1 J	**25.7 J**		**23.6 J**	**25.0 J**	15.3 J	23.0 J	**26.5 J**	**29.8 J**	**24.0 J**	22.0 J	**25.2 J**	21.0 J	**26.0 J**	**23.7 J**	21.5 J	14.9 J	**26.3 J**	20.6 J	19.4 J	**24.1 J**
POTASSIUM	Nutrient		1530 J	1360 J	1100 J	1340 J	1590 J		1530 J	1430 J	963 J	1260 J	1640 J	1770 J	1840 J	1950 J	1430 J	1720 J	1540 J	1560 J	1350 J	519 J	2290 J	1500 J	1030 J	1390 J
SELENIUM	--	--	< 0.91 U	< 0.94 U	< 0.97 U	< 0.87 U	< 0.98 U		< 0.96 U	< 1.8 U	0.35 J	< 1.0 U	< 1.0 U	< 1.8 U	< 1.0 U	< 1.1 U	< 1.0 U	< 0.87 U	< 1.1 U	< 0.95 U	< 0.76 U	1.1	3.1	< 0.89 U	< 1.0 U	< 1.0 U
SILVER	<1	<2.2	< 0.45 U	< 0.47 U	< 0.48 U	< 0.44 U	< 0.49 U		< 0.48 U	< 0.46 U	< 0.42 U	< 0.52 U	< 0.51 U	< 0.46 U	< 0.47 U	< 0.55 U	< 0.52 U	< 0.44 U	< 0.54 U	< 0.47 U	< 0.38 U	< 0.48 U	< 0.51 U	< 0.45 U	< 0.52 U	< 0.52 U
SODIUM	Nutrient		< 450 U	< 470 U	< 480 U	< 440 U	< 490 U		< 480 U	< 460 U	< 420 U	< 520 U	< 510 U	< 460 U	< 470 U	< 550 U	< 520 U	< 440 U	< 540 U	< 470 U	< 380 U	< 480 U	95.3 J	< 450 U	< 520 U	< 520 U
THALLIUM	--	--	0.22 J	0.33 J	< 0.97 U	0.13 J	0.17 J		< 0.96 U	0.13 J	0.13 J	0.17 J	0.53 J	0.13 J	< 0.94 U	0.18 J	< 1.0 U	< 0.87 U	< 1.1 U	0.14 J	< 0.76 U	0.15 J	0.37 J	< 0.89 U	0.25 J	0.31 J
VANADIUM	--	--	17.9 J	21.3 J	17.0 J	24.3 J	21.2 J		18.5 J	21.4	22.5 J	17.3 J	17.3 J	20.6 J	17.5	19.9 J	21.4 J	17.6 J	18.5 J	21.0 J	17.6 J	18.9 J	25.5 J	18.1 J	16.5 J	20.4 J
ZINC	<120	<460	40.6 J	51.4 J	37.4 J	68.3 J	47.9 J		43.3 J	44.5 J	52.3 J	45.6 J	44.2 J	56.4 J	43.9 J	45.2 J	47.8 J	44.6 J	41.2 J	45.7 J	39.7 J	30.9 J	48.7 J	36.4 J	40.4 J	53.1 J

Notes:
All units are in milligrams per kilogram (mg/kg).
U or < - Metal was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).
Exceedances of NYSDEC Class A criteria are highlighted yellow and presented with **Bold** text.

Table 1
Screening of Metals in Sediment by Depth
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria		Transect G		Transect H			Transect I				Transect K		North Swale to Sanders Creek							Sanders Creek		
Sample ID			SDG1	SDG2	SDH1	SDH2	SDH3	SDI1 (Dup)	SDI1	SDI2	SDI3	SDK1	SDK2	SDS1	SDS2	SDS3	SDS4	SDS5	SDS6	SDS7	SDS8 (Dup)	SDS8	SDS9
Sample Date			11/6/2013	11/7/2013	11/6/2013	11/7/2013	11/7/2013	11/6/2013	11/6/2013	11/7/2013	11/5/2013	11/5/2013	11/5/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013
Chemical Name	CLASS A	CLASS C																					
Depths: 0-6 inches																							
ALUMINUM	--	--	14400 J	11600	1870 J	12500	18800	16000 J	12800 J	2420	16300	4480	8840	13700 J	4210 J	14000 J	9680 J	7830 J	11400 J	7090 J	8250 J	7360 J	8420 J
ANTIMONY	--	--	< 1.0 UJ	< 1.1 UJ	0.49 J	< 1.2 UJ	< 1.0 UJ	< 1.1 UJ	< 1.1 UJ	7.7 J	< 1.1 UJ	0.32 J	< 1.1 UJ	0.44 J	< 1.0 UJ	< 1.1 UJ	< 1.2 UJ	< 1.2 UJ	0.27 J	< 1.0 UJ	< 0.96 UJ	0.15 J	< 0.98 UJ
ARSENIC	<10	<33	8.2	9.4	2.3	4.2	4.8	6.1	5.3	< 8.2 U	4.3	2.8	3.5	7.0	3.4	**12.0**	5.6	6.0	4.4	4.7	9.0	5.6	**12.0**
BARIUM	--	--	116 J	100 J	34.0 J	80.6 J	125 J	110 J	94.6 J	56.8 J	91.2 J	46.9 J	72.0 J	101 J	44.2 J	92.1 J	91.0 J	61.3 J	105 J	52.3 J	64.0 J	58.2 J	90.8 J
BERYLLIUM	--	--	0.71 J	0.54 J	0.094 J	0.52 J	0.72 J	0.75 J	0.62 J	< 3.3 U	0.79	0.28 J	0.42 J	0.67 J	0.21 J	0.56 J	0.46 J	0.38 J	0.54 J	0.33 J	0.38 J	0.39 J	0.49 J
CADMIUM	<1	<5	< 0.41 U	0.063 J	0.67	0.081 J	0.41	< 0.46 U	< 0.46 U	0.90 J	< 0.44 U	0.41 J	0.21 J	0.56	0.30 J	0.069 J	0.26 J	0.30 J	0.17 J	< 0.42 U	< 0.38 U	0.23 J	0.80
CALCIUM	Nutrient		30700 J	2630	14000 J	2710	4170	13500 J	5130 J	21900 J	2730 J	44900 J	4370 J	2730 J	3200 J	10600 J	5770 J	5140 J	2990 J	53100 J	34000 J	26400 J	23600 J
CHROMIUM, TOTAL	<43	<110	20.7 J	15.8 J	8.8 J	18.0 J	25.0 J	22.5 J	19.2 J	6.4 J	25.6 J	**47.4 J**	13.1 J	20.3 J	7.2 J	18.0 J	14.4 J	10.3 J	15.0 J	10.1 J	13.1 J	14.6 J	**44.1 J**
COBALT	--	--	13.8 J	15.1 J	1.5 J	8.8 J	10.4 J	11.1 J	10.1 J	1.1 J	12.1 J	2.6 J	5.8 J	13.6 J	3.5 J	8.2 J	6.3 J	3.9 J	6.9	5.5	6.2	6.2	9.6
COPPER	<32	<150	26.8	12.1	16.9	14.8	22.4	23.1	19.2	16.6 J	23.2	14.6	17.3	18.1 J	17.8 J	18.1 J	20.8 J	15.9 J	15.9	22.1	18.7	24.0	**46.0**
IRON	--	--	22800	27500 J	4410	19600 J	20300 J	30600	22200	4880 J	30200 J	7960 J	14000 J	22900	11500	19800	14700	11700	15800 J	12800 J	16000 J	13600 J	17000 J
LEAD	<36	<130	17.5 J	24.5 J	32.8 J	29.8 J	35.7 J	13.0 J	16.1 J	13.1 J	20.2	31.4	17.8	12.9 J	17.8 J	16.6 J	28.6 J	22.4 J	26.5 J	16.9 J	9.5 J	27.4 J	**54.7 J**
MAGNESIUM	Nutrient		20800	3250 J	1890	3640 J	4790 J	11100	5020	2250 J	5450 J	11000 J	3110 J	4880 J	1920 J	7220 J	3030 J	2080 J	3150 J	32800 J	15600 J	12900 J	13400 J
MANGANESE	--	--	754 J	539 J	160 J	231 J	188 J	1010 J	389 J	240 J	219 J	202 J	298 J	1210 J	281 J	523 J	1420 J	243 J	226 J	475 J	276 J	298 J	841 J
MERCURY	<0.2	<1	0.075	0.10	**0.33**	0.089	0.16	0.090	0.057	0.072 J	0.069	**0.26**	0.085	0.045	0.039	0.10	0.12	0.085	0.091	0.054	0.048	0.081	0.086
NICKEL	<23	<49	**31.5 J**	15.0 J	13.1 J	17.2 J	21.3 J	**28.7 J**	**24.1 J**	4.2 J	**29.8 J**	13.6 J	14.8 J	**25.6 J**	8.2 J	17.4 J	14.3 J	10.6 J	16.2 J	12.5 J	14.7 J	15.3 J	21.8 J
POTASSIUM	Nutrient		1360 J	1040 J	415 J	1330 J	1700 J	1500 J	1100 J	1100 J	1910 J	587 J	976 J	1920 J	624 J	1650 J	1050 J	994 J	977 J	1070 J	1090 J	1070 J	981 J
SELENIUM	--	--	< 1.0 U	0.77 J	1.6	0.49 J	0.81 J	< 1.1 U	< 1.1 U	< 8.2 U	< 1.1 U	1.6	0.40 J	3.2	1.7	< 1.1 U	0.56 J	0.64 J	0.60 J	< 1.0 U	< 0.96 U	< 1.0 U	< 0.98 U
SILVER	<1	<2.2	< 0.51 U	< 0.53 U	< 0.58 U	< 0.58 U	< 0.51 U	< 0.57 U	< 0.57 U	< 4.1 U	< 0.55 U	< 0.59 U	< 0.53 U	< 0.51 U	< 0.50 U	< 0.57 U	< 0.59 U	< 0.61 U	< 0.53 U	< 0.52 U	< 0.48 U	0.15 J	0.86
SODIUM	Nutrient		< 510 U	< 530 U	< 580 U	< 580 U	< 510 U	< 570 U	< 570 U	< 4100 U	< 550 U	< 590 U	< 530 U	72.8 J	82.5 J	124 J	220 J	40.2 J	< 530 U	< 520 U	< 480 U	< 500 U	< 490 U
THALLIUM	--	--	0.27 J	< 1.1 U	< 1.2 U	< 1.2 U	< 1.0 U	0.47 J	0.46 J	< 8.2 U	0.38 J	0.28 J	0.33 J	1.0	0.55 J	0.39 J	0.66 J	0.30 J	0.61 J	0.67 J	0.52 J	0.51 J	0.56 J
VANADIUM	--	--	27.1 J	24.3 J	8.3 J	23.4 J	34.8 J	28.2 J	24.7 J	6.9 J	30.8 J	67.3 J	17.5 J	25.3 J	9.9 J	23.2 J	17.9 J	15.3 J	20.9 J	15.0 J	15.8 J	16.7 J	22.1 J
ZINC	<120	<460	57.4 J	53.7 J	34.1 J	62.7 J	97.7 J	55.9 J	53.9 J	89.3 J	73.1 J	**153 J**	71.5 J	62.6 J	29.9 J	66.6 J	69.3 J	54.2 J	60.8 J	36.9 J	36.1 J	64.1 J	**147 J**
Depths: 6-12 inches																							
ALUMINUM	--	--	11000 J	10400	9830 J	11600	11300	10600 J	13200 J	9260	14000	14400	17100	12700 J	6040 J	15600 J	13100 J	13800 J	11200 J	7980 J	8170 J	8440 J	10500
ANTIMONY	--	--	< 0.86 UJ	< 1.1 U	< 0.96 UJ	< 1.0 UJ	< 1.0 UJ	< 0.97 UJ	< 1.0 UJ	1.3 J	< 1.0 UJ	< 1.0 UJ	< 0.94 UJ	0.41 J	0.15 J	< 1.1 UJ	< 1.1 UJ	< 1.2 UJ	0.26 J	< 0.83 UJ	< 1.0 UJ	< 1.1 UJ	< 1.1 UJ
ARSENIC	<10	<33	4.3	3.8	2.9	2.9	3.4	3.9	5.1	3.3 J	3.9	4.8	7.9	6.3	3.9	5.6	8.8	5.1	4.3	5.6	5.5	6.4	**13.9**
BARIUM	--	--	93.8 J	71.5 J	64.8 J	83.8 J	77.1 J	87.5 J	96.1 J	81.7 J	87.0 J	128 J	154 J	89.5 J	46.4 J	82.0 J	93.9 J	83.2 J	106 J	63.9 J	62.9 J	67.0 J	77.8 J
BERYLLIUM	--	--	0.50 J	0.42 J	0.45 J	0.46 J	0.46 J	0.46 J	0.58 J	0.46 J	0.63	0.63	0.82	0.64 J	0.29 J	0.60 J	0.65 J	0.63 J	0.53 J	0.38 J	0.43 J	0.44 J	0.52
CADMIUM	<1	<5	< 0.34 U	< 0.43 U	< 0.39 U	< 0.40 U	< 0.42 U	0.087 J	< 0.41 U	0.99 J	0.073 J	< 0.41 U	< 0.38 U	0.46	0.14 J	< 0.45 U	0.078 J	0.21 J	0.11 J	< 0.33 U	0.21 J	0.24 J	0.56
CALCIUM	Nutrient		39500 J	2350	4300 J	2130	2030	6690 J	4160 J	12500 J	2410 J	3710 J	3150 J	4550 J	4070 J	2600 J	4310 J	4190 J	2520 J	25000 J	25400 J	28500 J	29100 J
CHROMIUM, TOTAL	<43	<110	16.1 J	13.5 J	21.1 J	15.3 J	15.0 J	15.7 J	18.5 J	21.9 J	19.4 J	18.7 J	25.1 J	19.5 J	8.5 J	20.1 J	16.6 J	16.3 J	14.0 J	11.3 J	16.4 J	16.5 J	37.7 J
COBALT	--	--	7.8 J	6.6 J	6.8 J	9.9 J	8.4 J	8.0 J	9.3 J	4.5 J	10.6 J	8.3 J	20.8 J	9.8 J	5.6 J	9.2 J	7.1 J	6.1 J	6.7	6.9	6.6	7.0	8.0 J
COPPER	<32	<150	18.8 J	8.0	14.6	9.2	9.8	14.8	13.0	**32.1**	16.7	11.7	21.5	23.2 J	18.9 J	17.1 J	16.2 J	17.5 J	15.1	20.7	26.1	28.0	**42.9**
IRON	--	--	17400 J	15900 J	14200	16800 J	16400 J	18100	21100	9210 J	19300 J	21800 J	32300 J	20000	13700	21300	20600	16700	14900 J	13900 J	13900 J	14200 J	19400 J
LEAD	<36	<130	9.8 J	13.4 J	21.6 J	13.5 J	14.8 J	12.3 J	11.0 J	**68.1 J**	12.8	10.9	13.0	29.5 J	8.4 J	15.9 J	11.8 J	18.7 J	25.7 J	13.0 J	29.9 J	26.8 J	**44.0**
MAGNESIUM	Nutrient		24300 J	2900 J	3720	3160 J	3090 J	5580	5030	3210	4140 J	3800 J	6360 J	4450 J	3600 J	4570 J	3730 J	3450 J	2990 J	11200 J	12500 J	14000 J	14900 J
MANGANESE	--	--	344 J	260 J	110 J	238 J	114 J	328 J	433 J	189 J	353 J	242 J	2490 J	1130 J	365 J	363 J	394 J	229 J	170 J	338 J	259 J	259 J	544 J
MERCURY	<0.2	<1	0.030 J	0.062	0.078	0.046	0.086	0.038	0.041	0.19	0.044	0.11	0.066	0.094	0.020 J	0.099	0.095	0.12	0.088	0.042	0.079	0.072	**0.32**
NICKEL	<23	<49	21.3 J	11.6 J	20.0 J	14.2 J	13.5 J	19.4 J	20.6 J	15.5 J	**23.2 J**	17.8 J	**39.0 J**	22.0 J	10.5 J	19.2 J	15.3 J	16.9 J	15.6 J	14.3 J	16.8 J	16.9 J	22.3 J
POTASSIUM	Nutrient		1020 J	853 J	888 J	1070 J	1030 J	740 J	1100 J	1090 J	1470 J	1040 J	1690 J	1480 J	810 J	1510 J	1410 J	1210 J	964 J	1070 J	1180 J	1240 J	1190 J
SELENIUM	--	--	< 0.86 U	0.61 J	0.56 J	0.42 J	0.68 J	< 0.97 U	< 1.0 U	1.7 J	< 1.0 U	< 1.0 U	< 1.9 U	3.1	1.8	< 1.1 U	0.50 J	0.44 J	0.58 J	< 0.83 U	< 1.0 U	0.39 J	< 1.1 U
SILVER	<1	<2.2	< 0.43 U	< 0.54 U	< 0.48 U	< 0.50 U	< 0.52 U	< 0.49 U	< 0.51 U	< 1.8 U	< 0.52 U	< 0.51 U	< 0.47 U	< 0.55 U	< 0.51 U	< 0.56 U	< 0.56 U	< 0.61 U	< 0.52 U	< 0.41 U	0.20 J	0.21 J	0.88
SODIUM	Nutrient		< 430 U	< 540 U	< 480 U	< 500 U	< 520 U	< 490 U	< 510 U	< 1800 U	< 520 U	590	490	105 J	80.6 J	132 J	155 J	51.0 J	< 520 U	< 410 U	< 500 U	< 550 U	< 550 U
THALLIUM	--	--	0.22 J	< 1.1 U	0.43 J	< 1.0 U	< 1.0 U	0.34 J	0.31 J	< 3.5 U	0.15 J	0.30 J	0.58 J	1.1	0.52 J	0.34 J	0.20 J	0.61 J	0.38 J	0.45 J	0.50 J	0.55 J	0.26 J
VANADIUM	--	--	18.2 J	18.6 J	19.4 J	21.5 J	20.4 J	20.0 J	23.9 J	23.2 J	24.7 J	25.4 J	30.7 J	23.1 J	11.3 J	25.6 J	23.5 J	19.5 J	20.4 J	15.5 J	17.5 J	17.9 J	25.0 J
ZINC	<120	<460	42.9 J	43.4 J	43.6 J	49.9 J	45.1 J	44.9 J	48.9 J	70.3 J	57.9 J	55.0 J	62.5 J	72.4 J	21.8 J	79.5 J	61.3 J	68.0 J	58.2 J	35.3 J	67.6 J	63.9 J	**124 J**
Depths: 18-24 inches																							
ALUMINUM	--	--	12300 J	11900	12900 J	14200	15000	14600 J	13900 J	16100	15300	13300	14500 J	13200 J	10300 J	14700 J	8950 J	14400 J	15200 J	9390 J	7050 J	6770 J	7040
ANTIMONY	--	--	< 0.86 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 0.95 UJ	< 0.95 UJ	< 0.98 UJ	< 1.5 UJ	< 1.0 UJ	< 1.0 UJ	< 0.97 UJ	< 0.98 UJ	< 1.3 UJ	< 1.2 UJ	< 1.0 UJ	< 1.1 UJ	< 1.0 UJ	0.30 J	< 0.96 UJ	< 0.95 UJ	< 0.99 UJ
ARSENIC	<10	<33	7.1	4.7	4.5	5.6	2.7	2.5	6.1	8.8	6.3	5.9	6.0	6.2	4.3	3.9	5.2	3.6	6.4	7.1	**14.9**	**16.4**	3.9
BARIUM	--	--	115 J	85.2 J	95.7 J	97.2 J	118 J	113 J	103 J	110 J	89.6 J	143 J	106 J	78.3 J	112 J	80.2 J	63.5 J	88.2 J	225 J	67.0 J	73.0 J	63.9 J	69.9 J
BERYLLIUM	--	--	0.54 J	0.52 J	0.55 J	0.61 J	0.60 J	0.58 J	0.61 J	0.76	0.70	0.62	0.68 J	0.63 J	0.50 J	0.64 J	0.46 J	0.72 J	0.80 J	0.38 J	0.35 J	0.35 J	0.31 J
CADMIUM	<1	<5	< 0.34 U	< 0.41 U	< 0.40 U	< 0.40 U	< 0.38 U	< 0.38 U	< 0.39 U	< 0.62 U	< 0.40 U	< 0.40 U	< 0.39 U	< 0.39 U	< 0.50 U	< 0.47 U	< 0.42 U	0.076 J	0.091 J	< 0.38 U	0.42	0.30 J	0.18 J
CALCIUM	Nutrient		68100 J	58000	72900 J	19400	77700	12200 J	22700 J	3520 J	2620 J	82200 J	2910 J	2460 J	10300 J	3120 J	2390 J	3730 J	3440 J	29400 J	25800 J	27200 J	26800 J
CHROMIUM, TOTAL	<43	<110	17.4 J	16.2 J	18.4 J	19.3 J	19.9 J	19.8 J	19.6 J	22.9 J	22.8 J	18.5 J	21.2 J	20.0 J	14.9 J	19.2 J	12.4 J	15.9 J	17.2 J	13.1 J	19.4 J	28.0 J	14.4 J
COBALT	--	--	11.1 J	9.0 J	9.6 J	12.5 J	8.1 J	9.9 J	11.3 J	12.4	11.2 J	8.9 J	11.9 J	12.7 J	7.1 J	10.1 J	6.2 J	5.7 J	6.8	7.5	5.9	5.6	4.4 J
COPPER	<32	<150	24.3 J	19.7	18.7	21.6	17.1	16.4	18.8	22.0	25.6	17.9	20.3	23.1 J	24.2 J	16.5 J	8.8 J	12.5 J	16.4	20.6	23.5	28.7	20.8
IRON	--	--	29800 J	18000 J	18600	22400 J	17900 J	18100	28900	29100 J	30200 J	21100 J	28500	27700	16200	19700	13500	17200	16400 J	15400 J	15300 J	14800 J	10500 J
LEAD	<36	<130	9.4 J	8.4 J	8.4 J	10.6 J	6.8 J	7.8 J	9.5 J	23.3 J	12.2	12.2	12.1 J	9.8 J	12.3 J	15.7 J	8.1 J	9.6 J	13.0 J	8.5 J	10.9 J	11.0 J	9.5
MAGNESIUM	Nutrient		27400 J	24800 J	21500	12100 J	23300 J	23800	11600	5310	5820 J	18500 J	5300	5410 J	4880 J	4540 J	2880 J	3660 J	3640 J	12600 J	11900 J	13600 J	12300 J
MANGANESE	--	--	546 J	433 J	419 J	501 J	591 J	528 J	683 J	235 J	511 J	537 J	381 J	922 J	230 J	237 J	477 J	274 J	118 J	332 J	217 J	219 J	209 J
MERCURY	<0.2	<1	0.026 J	0.029 J	0.030 J	0.033 J	0.029 J	0.034	0.049	0.20	0.037	0.021 J	0.034	0.038	0.043	0.095	0.056	0.10	0.17	0.033 J	0.11	0.047	0.079
NICKEL	<23	<49	**27.0 J**	22.2 J	**24.3 J**	**26.4 J**	**23.8 J**	**26.6 J**	**26.2 J**	**25.1 J**	**30.6 J**	**24.0 J**	**28.8 J**	**27.4 J**	15.6 J	18.7 J	11.7 J	19.5 J	17.9 J	16.0 J	13.5 J	13.2 J	12.4 J
POTASSIUM	Nutrient		1300 J	1430 J	1660 J	1430 J	1910 J	1890 J	1190 J	1400 J	1700 J	1190 J	1420 J	1570 J	1310 J	1270 J	1200 J	1290 J	1100 J	1310 J	809 J	897 J	761 J
SELENIUM	--	--	< 0.86 U	< 1.0 U	< 1.0 U	< 1.0 U	< 0.95 U	< 0.95 U	< 0.98 U	0.63 J	< 1.0 U	< 1.0 U	< 0.97 U	< 0.98 U	< 1.3 U	< 1.2 U	< 1.0 U	< 1.1 U	0.60 J	< 0.95 U	< 0.96 U	< 0.95 U	0.45 J
SILVER	<1	<2.2	< 0.43 U	< 0.51 U	< 0.50 U	< 0.50 U	< 0.47 U	< 0.47 U	< 0.49 U	< 0.77 U	< 0.50 U	< 0.51 U	< 0.48 U	< 0.49 U	< 0.63 U	< 0.59 U	< 0.52 U	< 0.54 U	< 0.51 U	0.24 J	0.38 J	0.29 J	0.37 J
SODIUM	Nutrient		< 430 U	< 510 U	< 500 U	< 500 U	< 470 U	< 470 U	< 490 U	< 770 U	< 500 U	861	< 480 U	70.8 J	262 J	145 J	102 J	48.7 J	< 510 U	< 470 U	< 480 U	< 480 U	< 500 U
THALLIUM	--	--	0.26 J	< 1.0 U	0.39 J	< 1.0 U	< 0.95 U	0.33 J	0.27 J	< 1.5 U	0.25 J	0.21 J	0.40 J	0.61 J	0.31 J	0.63 J	0.19 J	0.56 J	0.38 J	< 0.95 U	0.52 J	0.42 J	0.14 J
VANADIUM	--	--	21.0 J	18.7 J	21.3 J	23.0 J	19.4 J	20.6 J	23.1 J	29.6 J	25.9 J	21.7 J	24.4 J	22.9 J	18.5 J	24.5 J	15.7 J	15.5 J	21.7 J	15.9 J	13.5 J	14.2 J	12.7 J
ZINC	<120	<460	43.6 J	41.7 J	43.9 J	52.5 J	44.2 J	44.8 J	51.0 J	65.9 J	58.5 J	46.2 J	57.7 J	53.5 J	43.8 J	67.7 J	44.7 J	55.8 J	58.9 J	36.4 J	49.5 J	42.4 J	31.8 J

Notes:
All units are in milligrams per kilogram (mg/kg).
U or < - Metal was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).
Exceedances of NYSDEC Class A criteria are highlighted yellow and presented with **Bold** text.

Table 2
Distribution of PCBs in Sediment by Depth
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	Screening Criteria			Transect A						Transect B						Transect C					Transect D				
Sample ID				SDA1	SDA2	SDA3	SDA4			SDB1			SDB2 (Dup)	SDB2	SDB4	SDC1	SDC2	SDC3	SDC4	SDC5	SDD1			SDD2	SDD3
Sample Date				11/6/2013	11/6/2013	11/7/2013	11/8/2013			11/6/2013			11/7/2013	11/7/2013	11/7/2013	11/6/2013	11/6/2013	11/6/2013	11/8/2013	11/7/2013	11/6/2013			11/7/2013	11/8/2013
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	NYSDEC Sediment CLASS C	mg/kg	mg/kg	mg/kg	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/gOC	TU	mg/kg	mg/kg
Depths: 0-6 inches																									
PCB-1016 (AROCLOR 1016)	--	--	--	< 0.048 U	< 0.041 U	< 0.043 U	< 0.054 U	--	--	< 0.051 U	--	--	< 0.053 U	< 0.052 U	< 0.052 U	< 0.056 U	< 0.048 U	< 0.043 U	< 0.054 U	< 0.054 U	< 0.051 U	--	--	< 0.047 U	< 0.044 U
PCB-1221 (AROCLOR 1221)	--	--	--	< 0.048 U	< 0.041 U	< 0.043 U	< 0.054 U	--	--	< 0.051 U	--	--	< 0.053 U	< 0.052 U	< 0.052 U	< 0.056 U	< 0.048 U	< 0.043 U	< 0.054 U	< 0.054 U	< 0.051 U	--	--	< 0.047 U	< 0.044 U
PCB-1232 (AROCLOR 1232)	--	--	--	< 0.048 U	< 0.041 U	< 0.043 U	< 0.054 U	--	--	< 0.051 U	--	--	< 0.053 U	< 0.052 U	< 0.052 U	< 0.056 U	< 0.048 U	< 0.043 U	< 0.054 U	< 0.054 U	< 0.051 U	--	--	< 0.047 U	< 0.044 U
PCB-1242 (AROCLOR 1242)	--	--	--	< 0.048 U	< 0.041 U	< 0.043 U	< 0.054 U	--	--	< 0.051 U	--	--	< 0.053 U	< 0.052 U	< 0.052 U	< 0.056 U	< 0.048 U	< 0.043 U	< 0.054 U	< 0.054 U	< 0.051 U	--	--	< 0.047 U	< 0.044 U
PCB-1248 (AROCLOR 1248)	--	--	--	< 0.048 U	< 0.041 U	< 0.043 U	< 0.054 U	--	--	< 0.051 U	--	--	< 0.053 U	< 0.052 U	< 0.052 U	< 0.056 U	< 0.048 U	< 0.043 U	< 0.054 U	< 0.054 U	< 0.051 U	--	--	< 0.047 U	< 0.044 U
PCB-1254 (AROCLOR 1254)	56.5	--	--	< 0.048 U	< 0.041 U	< 0.043 U	0.0754 J	1.6982	0.0301	0.0620 J	1.2277	0.0217	< 0.053 U	< 0.052 U	< 0.052 U	< 0.056 U	< 0.048 U	< 0.043 U	< 0.054 U	< 0.054 U	< 0.051 U	--	--	< 0.047 U	< 0.044 U
PCB-1260 (AROCLOR 1260)	86.9	--	--	< 0.048 U	< 0.041 U	< 0.043 U	**0.238 J**	5.3604	0.0617	**0.106**	2.0990	0.0242	< 0.053 U	< 0.052 U	< 0.052 U	< 0.056 U	< 0.048 U	< 0.043 U	< 0.054 U	< 0.054 U	0.0260 J	0.5394	0.0062	< 0.047 U	< 0.044 U
Total PCBs	70.9	0.1	1	< 0.048 U	< 0.041 U	< 0.043 U	**0.313**	--	--	**0.168**	--	--	< 0.053 U	< 0.052 U	< 0.052 U	< 0.056 U	< 0.048 U	< 0.043 U	< 0.054 U	< 0.054 U	0.0260	--	--	< 0.047 U	< 0.044 U
TOC	--	--	--	27700	9850	7500	44400	--	--	50500	--	--	37300	31300	40300	34600	21800	19700	41200	35600	48200	--	--	28900	22600
Toxicity Units (total)	--	--	--	--	--	--	--	--	0.0917	--	--	0.0459	--	--	--	--	--	--	--	--	--	--	0.0062	--	--
Depths: 6-12 inches																									
PCB-1016 (AROCLOR 1016)	--	--	--	< 0.04 U	< 0.041 U	< 0.042 U	< 0.047 U	--	--	< 0.043 U	--	--	Not Sampled	< 0.046 U	< 0.046 U	< 0.047 U	< 0.042 U	< 0.04 U	< 0.042 U	< 0.05 U	< 0.043 U	--	--	< 0.04 U	< 0.04 U
PCB-1221 (AROCLOR 1221)	--	--	--	< 0.04 U	< 0.041 U	< 0.042 U	< 0.047 U	--	--	< 0.043 U	--	--		< 0.046 U	< 0.046 U	< 0.047 U	< 0.042 U	< 0.04 U	< 0.042 U	< 0.05 U	< 0.043 U	--	--	< 0.04 U	< 0.04 U
PCB-1232 (AROCLOR 1232)	--	--	--	< 0.04 U	< 0.041 U	< 0.042 U	< 0.047 U	--	--	< 0.043 U	--	--		< 0.046 U	< 0.046 U	< 0.047 U	< 0.042 U	< 0.04 U	< 0.042 U	< 0.05 U	< 0.043 U	--	--	< 0.04 U	< 0.04 U
PCB-1242 (AROCLOR 1242)	--	--	--	< 0.04 U	< 0.041 U	< 0.042 U	< 0.047 U	--	--	< 0.043 U	--	--		< 0.046 U	< 0.046 U	< 0.047 U	< 0.042 U	< 0.04 U	< 0.042 U	< 0.05 U	< 0.043 U	--	--	< 0.04 U	< 0.04 U
PCB-1248 (AROCLOR 1248)	--	--	--	< 0.04 U	< 0.041 U	< 0.042 U	< 0.047 U	--	--	< 0.043 U	--	--		< 0.046 U	< 0.046 U	< 0.047 U	< 0.042 U	< 0.04 U	< 0.042 U	< 0.05 U	< 0.043 U	--	--	< 0.04 U	< 0.04 U
PCB-1254 (AROCLOR 1254)	56.5	--	--	< 0.04 U	< 0.041 U	< 0.042 U	0.0551 J	1.4424	0.0255	< 0.043 U	--	--		< 0.046 U	< 0.046 U	< 0.047 U	< 0.042 U	< 0.04 U	< 0.042 U	< 0.05 U	< 0.043 U	--	--	< 0.04 U	< 0.04 U
PCB-1260 (AROCLOR 1260)	86.9	--	--	< 0.04 U	< 0.041 U	< 0.042 U	**0.147**	3.8482	0.0443	< 0.043 U	--	--		< 0.046 U	< 0.046 U	< 0.047 U	< 0.042 U	< 0.04 U	< 0.042 U	< 0.05 U	< 0.043 U	--	--	< 0.04 U	< 0.04 U
Total PCBs	70.9	0.1	1	< 0.04 U	< 0.041 U	< 0.042 U	**0.202**	--	--	< 0.043 U	--	--		< 0.046 U	< 0.046 U	< 0.047 U	< 0.042 U	< 0.04 U	< 0.042 U	< 0.05 U	< 0.043 U	--	--	< 0.04 U	< 0.04 U
TOC	--	--	--	13000	16300	5130	38200	--	--	18900	--	--		17200	23100	20100	6620	9950	5580	20500	17200	--	--	10500	2750
Toxicity Units (total)	--	--	--	--	--	--	--	--	0.0698	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Depths: 18-24 inches																									
PCB-1016 (AROCLOR 1016)	--	--	--	< 0.038 U	< 0.043 U	< 0.04 U	< 0.048 U	--	--	< 0.04 U	--	--	Not Sampled	< 0.041 U	< 0.042 U	< 0.045 U	< 0.039 U	< 0.039 U	< 0.042 U	< 0.041 U	< 0.04 U	--	--	< 0.043 U	< 0.04 U
PCB-1221 (AROCLOR 1221)	--	--	--	< 0.038 U	< 0.043 U	< 0.04 U	< 0.048 U	--	--	< 0.04 U	--	--		< 0.041 U	< 0.042 U	< 0.045 U	< 0.039 U	< 0.039 U	< 0.042 U	< 0.041 U	< 0.04 U	--	--	< 0.043 U	< 0.04 U
PCB-1232 (AROCLOR 1232)	--	--	--	< 0.038 U	< 0.043 U	< 0.04 U	< 0.048 U	--	--	< 0.04 U	--	--		< 0.041 U	< 0.042 U	< 0.045 U	< 0.039 U	< 0.039 U	< 0.042 U	< 0.041 U	< 0.04 U	--	--	< 0.043 U	< 0.04 U
PCB-1242 (AROCLOR 1242)	--	--	--	< 0.038 U	< 0.043 U	< 0.04 U	< 0.048 U	--	--	< 0.04 U	--	--		< 0.041 U	< 0.042 U	< 0.045 U	< 0.039 U	< 0.039 U	< 0.042 U	< 0.041 U	< 0.04 U	--	--	< 0.043 U	< 0.04 U
PCB-1248 (AROCLOR 1248)	--	--	--	< 0.038 U	< 0.043 U	< 0.04 U	< 0.048 U	--	--	< 0.04 U	--	--		< 0.041 U	< 0.042 U	< 0.045 U	< 0.039 U	< 0.039 U	< 0.042 U	< 0.041 U	< 0.04 U	--	--	< 0.043 U	< 0.04 U
PCB-1254 (AROCLOR 1254)	56.5	--	--	< 0.038 U	< 0.043 U	< 0.04 U	< 0.048 U	--	--	< 0.04 U	--	--		< 0.041 U	< 0.042 U	< 0.045 U	< 0.039 U	< 0.039 U	< 0.042 U	< 0.041 U	< 0.04 U	--	--	< 0.043 U	< 0.04 U
PCB-1260 (AROCLOR 1260)	86.9	--	--	< 0.038 U	< 0.043 U	< 0.04 U	< 0.048 U	--	--	< 0.04 U	--	--		< 0.041 U	< 0.042 U	< 0.045 U	< 0.039 U	< 0.039 U	< 0.042 U	< 0.041 U	< 0.04 U	--	--	< 0.043 U	< 0.04 U
Total PCBs	70.9	0.1	1	< 0.038 U	< 0.043 U	< 0.04 U	< 0.048 U	--	--	< 0.04 U	--	--		< 0.041 U	< 0.042 U	< 0.045 U	< 0.039 U	< 0.039 U	< 0.042 U	< 0.041 U	< 0.04 U	--	--	< 0.043 U	< 0.04 U
TOC	--	--	--	9340	6330	3880	27400	--	--	10300	--	--		10800	4990	12800	4530	6820	3100	1900	17600	--	--	9070	3910
Toxicity Units (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
U or < - Polychlorinated biphenyl (PCB) was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
Total PCBs values are calculated by summing the detected concentrations. If there are no detected concentrations, total PCBs is reported at the highest non-detect result.
TOC - Total Organic Carbon.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).
Exceedances of NYSDEC Class A criteria are highlighted yellow and presented with **Bold** text.
Exceedances of NYSDEC Class C criteria are highlighted orange and presented with **Bold** text.
mg/kg - milligrams per kilogram.
µg/gOC - microgram per gram of Organic Carbon.
TU - Toxicity Unit.

Table 2
Distribution of PCBs in Sediment by Depth
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	Screening Criteria			Transect E												Transect F						Transect G			
Sample ID				SDE1			SDE2			SDE3			SDE4			SDF1			SDF2	SDF3	SDF4	SDG1			SDG2
Sample Date				11/6/2013			11/6/2013			11/8/2013			11/8/2013			11/4/2013			11/7/2013	11/8/2013	11/8/2013	11/6/2013			11/7/2013
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	NYSDEC Sediment CLASS C	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	mg/kg	mg/kg	mg/kg	µg/gOC	TU	mg/kg
Depths: 0-6 inches																									
PCB-1016 (AROCLOR 1016)	--	--	--	< 0.05 U	--	--	< 0.048 U	--	--	< 0.047 U	--	--	< 0.049 U	--	--	< 0.045 U	--	--	< 0.047 U	< 0.045 U	< 0.055 U	< 0.047 U	--	--	< 0.046 U
PCB-1221 (AROCLOR 1221)	--	--	--	< 0.05 U	--	--	< 0.048 U	--	--	< 0.047 U	--	--	< 0.049 U	--	--	< 0.045 U	--	--	< 0.047 U	< 0.045 U	< 0.055 U	< 0.047 U	--	--	< 0.046 U
PCB-1232 (AROCLOR 1232)	--	--	--	< 0.05 U	--	--	< 0.048 U	--	--	< 0.047 U	--	--	< 0.049 U	--	--	< 0.045 U	--	--	< 0.047 U	< 0.045 U	< 0.055 U	< 0.047 U	--	--	< 0.046 U
PCB-1242 (AROCLOR 1242)	--	--	--	< 0.05 U	--	--	< 0.048 U	--	--	< 0.047 U	--	--	< 0.049 U	--	--	< 0.045 U	--	--	< 0.047 U	< 0.045 U	< 0.055 U	< 0.047 U	--	--	< 0.046 U
PCB-1248 (AROCLOR 1248)	--	--	--	< 0.05 U	--	--	< 0.048 U	--	--	< 0.047 U	--	--	< 0.049 U	--	--	< 0.045 U	--	--	< 0.047 U	< 0.045 U	< 0.055 U	< 0.047 U	--	--	< 0.046 U
PCB-1254 (AROCLOR 1254)	56.5	--	--	< 0.05 U	--	--	< 0.048 U	--	--	< 0.047 U	--	--	< 0.049 U	--	--	**4.31**	581.87	**10.30**	< 0.047 U	< 0.045 U	< 0.055 U	< 0.047 U	--	--	< 0.046 U
PCB-1260 (AROCLOR 1260)	86.9	--	--	0.0807	2.5619	0.0295	0.0260 J	0.7879	0.0091	0.0245 J	0.8333	0.0096	0.0359 J	0.5753	0.0066	**1.99 J**	269.28	**3.10**	< 0.047 U	< 0.045 U	< 0.055 U	0.0397 J	1.5095	0.0174	< 0.046 U
Total PCBs	70.9	0.1	1	0.0807	--	--	0.0260	--	--	0.0245	--	--	0.0359	--	--	**6.3**	--	--	< 0.047 U	< 0.045 U	< 0.055 U	0.0397	--	--	< 0.046 U
TOC	--	--	--	31500	--	--	33000	--	--	29400	--	--	62400	--	--	7390	--	--	21300	20800	20600	26300	--	--	19300
Toxicity Units (total)	--	--	--	--	--	0.0295	--	--	0.0091	--	--	0.0096	--	--	0.0066	--	--	**13.40**	--	--	--	--	--	0.0174	--
Depths: 6-12 inches																									
PCB-1016 (AROCLOR 1016)	--	--	--	< 0.042 U	--	--	< 0.043 U	--	--	< 0.041 U	--	--	< 0.055 U	--	--	< 0.04 U	--	--	< 0.046 U	< 0.041 U	< 0.043 U	< 0.042 U	--	--	< 0.046 U
PCB-1221 (AROCLOR 1221)	--	--	--	< 0.042 U	--	--	< 0.043 U	--	--	< 0.041 U	--	--	< 0.055 U	--	--	< 0.04 U	--	--	< 0.046 U	< 0.041 U	< 0.043 U	< 0.042 U	--	--	< 0.046 U
PCB-1232 (AROCLOR 1232)	--	--	--	< 0.042 U	--	--	< 0.043 U	--	--	< 0.041 U	--	--	< 0.055 U	--	--	< 0.04 U	--	--	< 0.046 U	< 0.041 U	< 0.043 U	< 0.042 U	--	--	< 0.046 U
PCB-1242 (AROCLOR 1242)	--	--	--	< 0.042 U	--	--	< 0.043 U	--	--	< 0.041 U	--	--	< 0.055 U	--	--	< 0.04 U	--	--	< 0.046 U	< 0.041 U	< 0.043 U	< 0.042 U	--	--	< 0.046 U
PCB-1248 (AROCLOR 1248)	--	--	--	< 0.042 U	--	--	< 0.043 U	--	--	< 0.041 U	--	--	< 0.055 U	--	--	< 0.04 U	--	--	< 0.046 U	< 0.041 U	< 0.043 U	< 0.042 U	--	--	< 0.046 U
PCB-1254 (AROCLOR 1254)	56.5	--	--	< 0.042 U	--	--	< 0.043 U	--	--	< 0.041 U	--	--	< 0.055 U	--	--	**0.122**	7.13	0.13	< 0.046 U	< 0.041 U	< 0.043 U	< 0.042 U	--	--	< 0.046 U
PCB-1260 (AROCLOR 1260)	86.9	--	--	< 0.042 U	--	--	< 0.043 U	--	--	< 0.041 U	--	--	< 0.055 U	--	--	0.0644 J	3.77	0.04	< 0.046 U	< 0.041 U	< 0.043 U	0.0327 J	1.2433	0.0143	< 0.046 U
Total PCBs	70.9	0.1	1	< 0.042 U	--	--	< 0.043 U	--	--	< 0.041 U	--	--	< 0.055 U	--	--	**0.186**	--	--	< 0.046 U	< 0.041 U	< 0.043 U	0.0327	--	--	< 0.046 U
TOC	--	--	--	23900	--	--	16400	--	--	19700	--	--	69800	--	--	17100	--	--	15000	2420	9060	13100	--	--	13000
Toxicity Units (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.17	--	--	--	--	--	0.0143	--
Depths: 18-24 inches																									
PCB-1016 (AROCLOR 1016)	--	--	--	< 0.038 U	--	--	< 0.041 U	--	--	< 0.041 U	--	--	< 0.062 U	--	--	< 0.043 U	--	--	< 0.041 U	< 0.047 U	< 0.041 U	< 0.039 U	--	--	< 0.041 U
PCB-1221 (AROCLOR 1221)	--	--	--	< 0.038 U	--	--	< 0.041 U	--	--	< 0.041 U	--	--	< 0.062 U	--	--	< 0.043 U	--	--	< 0.041 U	< 0.047 U	< 0.041 U	< 0.039 U	--	--	< 0.041 U
PCB-1232 (AROCLOR 1232)	--	--	--	< 0.038 U	--	--	< 0.041 U	--	--	< 0.041 U	--	--	< 0.062 U	--	--	< 0.043 U	--	--	< 0.041 U	< 0.047 U	< 0.041 U	< 0.039 U	--	--	< 0.041 U
PCB-1242 (AROCLOR 1242)	--	--	--	< 0.038 U	--	--	< 0.041 U	--	--	< 0.041 U	--	--	< 0.062 U	--	--	< 0.043 U	--	--	< 0.041 U	< 0.047 U	< 0.041 U	< 0.039 U	--	--	< 0.041 U
PCB-1248 (AROCLOR 1248)	--	--	--	< 0.038 U	--	--	< 0.041 U	--	--	< 0.041 U	--	--	< 0.062 U	--	--	< 0.043 U	--	--	< 0.041 U	< 0.047 U	< 0.041 U	< 0.039 U	--	--	< 0.041 U
PCB-1254 (AROCLOR 1254)	56.5	--	--	< 0.038 U	--	--	< 0.041 U	--	--	< 0.041 U	--	--	< 0.062 U	--	--	**1.16**	53.95	0.95	< 0.041 U	< 0.047 U	< 0.041 U	< 0.039 U	--	--	< 0.041 U
PCB-1260 (AROCLOR 1260)	86.9	--	--	< 0.038 U	--	--	< 0.041 U	--	--	< 0.041 U	--	--	< 0.062 U	--	--	**0.455 J**	21.16	0.24	< 0.041 U	< 0.047 U	< 0.041 U	< 0.039 U	--	--	< 0.041 U
Total PCBs	70.9	0.1	1	< 0.038 U	--	--	< 0.041 U	--	--	< 0.041 U	--	--	< 0.062 U	--	--	**1.62**	--	--	< 0.041 U	< 0.047 U	< 0.041 U	< 0.039 U	--	--	< 0.041 U
TOC	--	--	--	7530	--	--	3750	--	--	3020	--	--	58500	--	--	21500	--	--	8070	2890	2510	3120	--	--	3990
Toxicity Units (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1.20**	--	--	--	--	--	--	--

Notes:
U or < - Polychlorinated biphenyl (PCB) was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
Total PCBs values are calculated by summing the detected concentrations. If there are no detected concentrations, total PCBs is reported at the highest non-detect result.
TOC - Total Organic Carbon.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).
Exceedances of NYSDEC Class A criteria are highlighted yellow and presented with **Bold** text.
Exceedances of NYSDEC Class C criteria are highlighted orange and presented with **Bold** text.
mg/kg - milligrams per kilogram.
µg/gOC - microgram per gram of Organic Carbon.
TU - Toxicity Unit.

Table 2
Distribution of PCBs in Sediment by Depth
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	Screening Criteria			Transect H							Transect I							
Sample ID				SDH1			SDH2	SDH3			SDI1 (Dup)			SDI1			SDI2	SDI3
Sample Date				11/6/2013			11/7/2013	11/7/2013			11/6/2013			11/6/2013			11/7/2013	11/5/2013
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	NYSDEC Sediment CLASS C	mg/kg	µg/gOC	TU	mg/kg	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	mg/kg
Depths: 0-6 inches																		
PCB-1016 (AROCLOR 1016)	--	--	--	< 0.12 U			< 0.049 U	< 0.096 U	--	--	< 0.048 U	--	--	< 0.049 U	--	--	< 0.31 U	< 0.056 U
PCB-1221 (AROCLOR 1221)	--	--	--	< 0.12 U			< 0.049 U	< 0.096 U	--	--	< 0.048 U	--	--	< 0.049 U	--	--	< 0.31 U	< 0.056 U
PCB-1232 (AROCLOR 1232)	--	--	--	< 0.12 U			< 0.049 U	< 0.096 U	--	--	< 0.048 U	--	--	< 0.049 U	--	--	< 0.31 U	< 0.056 U
PCB-1242 (AROCLOR 1242)	--	--	--	< 0.12 U			< 0.049 U	< 0.096 U	--	--	< 0.048 U	--	--	< 0.049 U	--	--	< 0.31 U	< 0.056 U
PCB-1248 (AROCLOR 1248)	--	--	--	< 0.12 U			< 0.049 U	< 0.096 U	--	--	< 0.048 U	--	--	< 0.049 U	--	--	< 0.31 U	< 0.056 U
PCB-1254 (AROCLOR 1254)	56.5	--	--	**0.195 J**	1.3732	0.0243	< 0.049 U	< 0.096 U	--	--	< 0.048 U	--	--	< 0.049 U	--	--	< 0.31 U	< 0.056 U
PCB-1260 (AROCLOR 1260)	86.9	--	--	**0.343**	2.4155	0.0278	< 0.049 U	0.0506 J	0.4217	0.0049	0.0468 J	1.8	0.0207	0.0522	1.8316	0.0211	< 0.31 U	< 0.056 U
Total PCBs	70.9	0.1	1	**0.538**	--	--	< 0.049 U	0.0506	--	--	0.0468	--	--	0.0522	--	--	< 0.31 U	< 0.056 U
TOC	--	--	--	142000	--	--	37400	120000	--	--	26000	--	--	28500	--	--	413000	32900
Toxicity Units (total)	--	--	--	--	--	0.0521	--	--	--	0.0049	--	--	0.0207	--	--	0.0211	--	--
Depths: 6-12 inches																		
PCB-1016 (AROCLOR 1016)	--	--	--	< 0.044 U	--	--	< 0.044 U	< 0.046 U	--	--	< 0.043 U	--	--	< 0.046 U	--	--	< 0.14 U	< 0.045 U
PCB-1221 (AROCLOR 1221)	--	--	--	< 0.044 U	--	--	< 0.044 U	< 0.046 U	--	--	< 0.043 U	--	--	< 0.046 U	--	--	< 0.14 U	< 0.045 U
PCB-1232 (AROCLOR 1232)	--	--	--	< 0.044 U	--	--	< 0.044 U	< 0.046 U	--	--	< 0.043 U	--	--	< 0.046 U	--	--	< 0.14 U	< 0.045 U
PCB-1242 (AROCLOR 1242)	--	--	--	< 0.044 U	--	--	< 0.044 U	< 0.046 U	--	--	< 0.043 U	--	--	< 0.046 U	--	--	< 0.14 U	< 0.045 U
PCB-1248 (AROCLOR 1248)	--	--	--	< 0.044 U	--	--	< 0.044 U	< 0.046 U	--	--	< 0.043 U	--	--	< 0.046 U	--	--	< 0.14 U	< 0.045 U
PCB-1254 (AROCLOR 1254)	56.5	--	--	< 0.044 U	--	--	< 0.044 U	< 0.046 U	--	--	< 0.043 U	--	--	< 0.046 U	--	--	< 0.14 U	< 0.045 U
PCB-1260 (AROCLOR 1260)	86.9	--	--	< 0.044 U	--	--	< 0.044 U	< 0.046 U	--	--	< 0.043 U	--	--	< 0.046 U	--	--	< 0.14 U	< 0.045 U
Total PCBs	70.9	0.1	1	< 0.044 U	--	--	< 0.044 U	< 0.046 U	--	--	< 0.043 U	--	--	< 0.046 U	--	--	< 0.14 U	< 0.045 U
TOC	--	--	--	11800	--	--	14500	17400	--	--	9710	--	--	17500	--	--	223000	5270
Toxicity Units (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Depths: 18-24 inches																		
PCB-1016 (AROCLOR 1016)	--	--	--	< 0.041 U	--	--	< 0.044 U	< 0.041 U	--	--	< 0.042 U	--	--	< 0.043 U	--	--	< 0.062 U	< 0.044 U
PCB-1221 (AROCLOR 1221)	--	--	--	< 0.041 U	--	--	< 0.044 U	< 0.041 U	--	--	< 0.042 U	--	--	< 0.043 U	--	--	< 0.062 U	< 0.044 U
PCB-1232 (AROCLOR 1232)	--	--	--	< 0.041 U	--	--	< 0.044 U	< 0.041 U	--	--	< 0.042 U	--	--	< 0.043 U	--	--	< 0.062 U	< 0.044 U
PCB-1242 (AROCLOR 1242)	--	--	--	< 0.041 U	--	--	< 0.044 U	< 0.041 U	--	--	< 0.042 U	--	--	< 0.043 U	--	--	< 0.062 U	< 0.044 U
PCB-1248 (AROCLOR 1248)	--	--	--	< 0.041 U	--	--	< 0.044 U	< 0.041 U	--	--	< 0.042 U	--	--	< 0.043 U	--	--	< 0.062 U	< 0.044 U
PCB-1254 (AROCLOR 1254)	56.5	--	--	< 0.041 U	--	--	< 0.044 U	< 0.041 U	--	--	< 0.042 U	--	--	< 0.043 U	--	--	< 0.062 U	< 0.044 U
PCB-1260 (AROCLOR 1260)	86.9	--	--	< 0.041 U	--	--	< 0.044 U	< 0.041 U	--	--	< 0.042 U	--	--	< 0.043 U	--	--	0.0649	< 0.044 U
Total PCBs	70.9	0.1	1	< 0.041 U	--	--	< 0.044 U	< 0.041 U	--	--	< 0.042 U	--	--	< 0.043 U	--	--	0.0649	< 0.044 U
TOC	--	--	--	4730	--	--	3370	3550	--	--	7990	--	--	6910	--	--	54400	3830
Toxicity Units (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
U or < - Polychlorinated biphenyl (PCB) was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
Total PCBs values are calculated by summing the detected concentrations. If there are no detected concentrations, total PCBs is reported at the highest non-detect result.
TOC - Total Organic Carbon.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).
Exceedances of NYSDEC Class A criteria are highlighted yellow and presented with **Bold** text.
Exceedances of NYSDEC Class C criteria are highlighted orange and presented with **Bold** text.
mg/kg - milligrams per kilogram.
µg/gOC - microgram per gram of Organic Carbon.
TU - Toxicity Unit.

Table 2
Distribution of PCBs in Sediment by Depth
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	Screening Criteria			Transect K				North Swale to Sanders Creek							Sanders Creek								
Sample ID				SDK1			SDK2	SDS1	SDS2	SDS3	SDS4	SDS5	SDS6	SDS7	SDS8 (Dup)			SDS8			SDS9		
Sample Date				11/5/2013			11/5/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/5/2013	11/5/2013	11/5/2013			11/5/2013			11/5/2013		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	NYSDEC Sediment CLASS C	mg/kg	µg/gOC	TU	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
Depths: 0-6 inches																							
PCB-1016 (AROCLOR 1016)	--	--	--	< 0.08 U	--	--	< 0.049 U	< 0.042 U	< 0.048 U	< 0.048 U	< 0.065 U	< 0.062 U	< 0.051 U	< 0.05 U	< 0.042 U	--	--	< 0.051 U	--	--	< 0.045 U	--	--
PCB-1221 (AROCLOR 1221)	--	--	--	< 0.08 U	--	--	< 0.049 U	< 0.042 U	< 0.048 U	< 0.048 U	< 0.065 U	< 0.062 U	< 0.051 U	< 0.05 U	< 0.042 U	--	--	< 0.051 U	--	--	< 0.045 U	--	--
PCB-1232 (AROCLOR 1232)	--	--	--	< 0.08 U	--	--	< 0.049 U	< 0.042 U	< 0.048 U	< 0.048 U	< 0.065 U	< 0.062 U	< 0.051 U	< 0.05 U	< 0.042 U	--	--	< 0.051 U	--	--	< 0.045 U	--	--
PCB-1242 (AROCLOR 1242)	--	--	--	< 0.08 U	--	--	< 0.049 U	< 0.042 U	< 0.048 U	< 0.048 U	< 0.065 U	< 0.062 U	< 0.051 U	< 0.05 U	< 0.042 U	--	--	< 0.051 U	--	--	< 0.045 U	--	--
PCB-1248 (AROCLOR 1248)	--	--	--	< 0.08 U	--	--	< 0.049 U	< 0.042 U	< 0.048 U	< 0.048 U	< 0.065 U	< 0.062 U	< 0.051 U	< 0.05 U	< 0.042 U	--	--	< 0.051 U	--	--	< 0.045 U	--	--
PCB-1254 (AROCLOR 1254)	56.5	--	--	0.0777 J	0.7194	0.0127	< 0.049 U	< 0.042 U	< 0.048 U	< 0.048 U	< 0.065 U	< 0.062 U	< 0.051 U	< 0.05 U	< 0.042 U	--	--	< 0.051 U	--	--	0.0491 J	--	--
PCB-1260 (AROCLOR 1260)	86.9	--	--	**0.171**	1.5833	0.0182	< 0.049 U	< 0.042 U	< 0.048 U	< 0.048 U	< 0.065 U	< 0.062 U	< 0.051 U	< 0.05 U	0.0654	5.23	0.0602	0.0366 J	1	0.0115	**0.231**	13.05	0.1502
Total PCBs	70.9	0.1	1	**0.249**	--	--	< 0.049 U	< 0.042 U	< 0.048 U	< 0.048 U	< 0.065 U	< 0.062 U	< 0.051 U	< 0.05 U	0.0654	--	--	0.0366	--	--	**0.28**	--	--
TOC	--	--	--	108000	--	--	24500	7430	23900	13600	51100	52900	36500	30300	12500	--	--	36600	--	--	17700	--	--
Toxicity Units (total)	--	--	--	--	--	0.0310	--	--	--	--	--	--	--	--	--	--	0.0602	--	--	0.0115	--	--	0.1502
Depths: 6-12 inches																							
PCB-1016 (AROCLOR 1016)	--	--	--	< 0.046 U	--	--	< 0.042 U	< 0.052 U	< 0.045 U	< 0.047 U	< 0.046 U	< 0.051 U	< 0.052 U	< 0.04 U	< 0.051 U	--	--	< 0.051 U	--	--	< 0.058 U	--	--
PCB-1221 (AROCLOR 1221)	--	--	--	< 0.046 U	--	--	< 0.042 U	< 0.052 U	< 0.045 U	< 0.047 U	< 0.046 U	< 0.051 U	< 0.052 U	< 0.04 U	< 0.051 U	--	--	< 0.051 U	--	--	< 0.058 U	--	--
PCB-1232 (AROCLOR 1232)	--	--	--	< 0.046 U	--	--	< 0.042 U	< 0.052 U	< 0.045 U	< 0.047 U	< 0.046 U	< 0.051 U	< 0.052 U	< 0.04 U	< 0.051 U	--	--	< 0.051 U	--	--	< 0.058 U	--	--
PCB-1242 (AROCLOR 1242)	--	--	--	< 0.046 U	--	--	< 0.042 U	< 0.052 U	< 0.045 U	< 0.047 U	< 0.046 U	< 0.051 U	< 0.052 U	< 0.04 U	< 0.051 U	--	--	< 0.051 U	--	--	< 0.058 U	--	--
PCB-1248 (AROCLOR 1248)	--	--	--	< 0.046 U	--	--	< 0.042 U	< 0.052 U	< 0.045 U	< 0.047 U	< 0.046 U	< 0.051 U	< 0.052 U	< 0.04 U	< 0.051 U	--	--	< 0.051 U	--	--	< 0.058 U	--	--
PCB-1254 (AROCLOR 1254)	56.5	--	--	< 0.046 U	--	--	< 0.042 U	< 0.052 U	< 0.045 U	< 0.047 U	< 0.046 U	< 0.051 U	< 0.052 U	< 0.04 U	< 0.051 U	--	--	0.0372 J	1.248322	0.0221	**0.185 J**	5.51	0.0975
PCB-1260 (AROCLOR 1260)	86.9	--	--	< 0.046 U	--	--	< 0.042 U	< 0.052 U	< 0.045 U	< 0.047 U	< 0.046 U	< 0.051 U	< 0.052 U	< 0.04 U	0.0752	2.07	0.0238	**0.113**	3.791946	0.0436	**0.536**	15.95	0.1836
Total PCBs	70.9	0.1	1	< 0.046 U	--	--	< 0.042 U	< 0.052 U	< 0.045 U	< 0.047 U	< 0.046 U	< 0.051 U	< 0.052 U	< 0.04 U	0.0752	--	--	**0.15**	--	--	**0.721**	--	--
TOC	--	--	--	22700	--	--	6200	34500	6520	14500	29200	33100	26200	13400	36400	--	--	29800	--	--	33600	--	--
Toxicity Units (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0238	--	--	0.0657	--	--	0.2810
Depths: 18-24 inches																							
PCB-1016 (AROCLOR 1016)	--	--	--	< 0.045 U	--	--	< 0.043 U	< 0.04 U	< 0.052 U	< 0.049 U	< 0.044 U	< 0.046 U	< 0.047 U	< 0.038 U	< 0.041 U	--	--	< 0.041 U	--	--	< 0.042 U	--	--
PCB-1221 (AROCLOR 1221)	--	--	--	< 0.045 U	--	--	< 0.043 U	< 0.04 U	< 0.052 U	< 0.049 U	< 0.044 U	< 0.046 U	< 0.047 U	< 0.038 U	< 0.041 U	--	--	< 0.041 U	--	--	< 0.042 U	--	--
PCB-1232 (AROCLOR 1232)	--	--	--	< 0.045 U	--	--	< 0.043 U	< 0.04 U	< 0.052 U	< 0.049 U	< 0.044 U	< 0.046 U	< 0.047 U	< 0.038 U	< 0.041 U	--	--	< 0.041 U	--	--	< 0.042 U	--	--
PCB-1242 (AROCLOR 1242)	--	--	--	< 0.045 U	--	--	< 0.043 U	< 0.04 U	< 0.052 U	< 0.049 U	< 0.044 U	< 0.046 U	< 0.047 U	< 0.038 U	< 0.041 U	--	--	< 0.041 U	--	--	< 0.042 U	--	--
PCB-1248 (AROCLOR 1248)	--	--	--	< 0.045 U	--	--	< 0.043 U	< 0.04 U	< 0.052 U	< 0.049 U	< 0.044 U	< 0.046 U	< 0.047 U	< 0.038 U	< 0.041 U	--	--	< 0.041 U	--	--	< 0.042 U	--	--
PCB-1254 (AROCLOR 1254)	56.5	--	--	< 0.045 U	--	--	< 0.043 U	< 0.04 U	< 0.052 U	< 0.049 U	< 0.044 U	< 0.046 U	< 0.047 U	< 0.038 U	0.0358 J	1.54	0.0273	< 0.041 U	--	--	< 0.042 U		--
PCB-1260 (AROCLOR 1260)	86.9	--	--	< 0.045 U	--	--	< 0.043 U	< 0.04 U	< 0.052 U	< 0.049 U	< 0.044 U	< 0.046 U	< 0.047 U	< 0.038 U	**0.233**	10.04	0.1156	0.0837	--	--	**0.232**	36.48	0.4198
Total PCBs	70.9	0.1	1	< 0.045 U	--	--	< 0.043 U	< 0.04 U	< 0.052 U	< 0.049 U	< 0.044 U	< 0.046 U	< 0.047 U	< 0.038 U	**0.269**	--	--	0.0837	--	--	**0.232**	--	--
TOC	--	--	--	13000	--	--	3770	5080	19200	16600	10100	21300	29700	9670	23200	--	--	12200	--	--	6360	--	--
Toxicity Units (total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.1429	--	--	--	--	--	0.4198

Notes:
U or < - Polychlorinated biphenyl (PCB) was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
Total PCBs values are calculated by summing the detected concentrations. If there are no detected concentrations, total PCBs is reported at the highest non-detect result.
TOC - Total Organic Carbon.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).
Exceedances of NYSDEC Class A criteria are highlighted yellow and presented with **Bold** text.
Exceedances of NYSDEC Class C criteria are highlighted orange and presented with **Bold** text.
mg/kg - milligrams per kilogram.
µg/gOC - microgram per gram of Organic Carbon.
TU - Toxicity Unit.

Table 3
VOC Screening Table
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect		Transect A												Transect B									
Sample ID	**NYSDEC Screening Criteria - Class A**	SDA1	SDA1	SDA1	SDA2	SDA2	SDA2	SDA3	SDA3	SDA3	SDA4	SDA4	SDA4	SDB1	SDB1	SDB1	SDB2	SDB2 (Dup)	SDB2	SDB2	SDB4	SDB4	SDB4
Sample Date		11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/7/2013	11/7/2013	11/7/2013	11/8/2013	11/8/2013	11/8/2013	11/6/2013	11/6/2013	11/6/2013	11/7/2013	11/7/2013	11/7/2013	11/7/2013	11/7/2013	11/7/2013	11/7/2013
Sample Interval (inches)		0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24
Chemical Name																							
1,1,1,2-TETRACHLOROETHANE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
1,1,1-TRICHLOROETHANE	0.06*	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
1,1,2,2-TETRACHLOROETHANE	--	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 UJ	< 0.0020 UJ	< 0.0026 UJ	< 0.0030 UJ	< 0.0032 UJ	< 0.0020 U	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 UJ	< 0.0021 UJ	< 0.0021 UJ	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 UJ	< 0.0027 UJ	< 0.0020 UJ
1,1,2-TRICHLOROETHANE	--	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 UJ	< 0.0020 UJ	< 0.0026 UJ	< 0.0030 UJ	< 0.0032 UJ	< 0.0020 UJ	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 UJ	< 0.0021 UJ	< 0.0021 UJ	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 UJ	< 0.0027 U	< 0.0020 UJ
1,1-DICHLOROETHANE	0.0541*	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
1,1-DICHLOROETHENE	0.52	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 UJ	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 UJ	< 0.25 UJ	< 0.0024 UJ	< 0.0020 UJ	< 0.0033 U	< 0.0027 U	< 0.0020 U
1,1-DICHLOROPROPENE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
1,2,3-TRICHLOROBENZENE	1.72*	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 UJ	R	R	< 0.0063 U	< 0.0067 UJ	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 UJ	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
1,2,3-TRICHLOROPROPANE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 UJ	< 0.0049 UJ	< 0.0065 UJ	< 0.0076 UJ	< 0.0080 UJ	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 UJ	< 0.0067 UJ	< 0.0050 UJ
1,2,4-TRICHLOROBENZENE	2.14*	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 UJ	R	R	< 0.0063 U	< 0.0067 UJ	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
1,2,4-TRIMETHYLBENZENE	3.4	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	0.00061 J	< 0.0080 U	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
1,2-DIBROMO-3-CHLOROPROPANE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 UJ	< 0.0049 UJ	< 0.0065 UJ	< 0.0076 UJ	< 0.0080 UJ	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 UJ	< 0.0067 UJ	< 0.0050 UJ
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	--	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 UJ	< 0.0020 UJ	< 0.0026 UJ	< 0.0030 UJ	< 0.0032 UJ	< 0.0020 UJ	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 UJ	< 0.0021 UJ	< 0.0021 UJ	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 UJ	< 0.0027 UJ	< 0.0020 UJ
1,2-DICHLOROBENZENE	0.28	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 UJ	< 0.0053 UJ	R	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
1,2-DICHLOROETHANE	1.7	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 UJ	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
1,2-DICHLOROPROPANE	--	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0.832*	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
1,3-DICHLOROBENZENE	1.8	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 UJ	< 0.0053 UJ	R	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
1,3-DICHLOROPROPANE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 UJ	< 0.0049 UJ	< 0.0065 UJ	< 0.0076 U	< 0.0080 U	< 0.0051 UJ	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
1,4-DICHLOROBENZENE	0.72	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	R	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
2,2-DICHLOROPROPANE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
2-CHLOROTOLUENE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	R	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
4-CHLOROTOLUENE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	R	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
BENZENE	0.53	< 0.00071 U	0.00094	0.00079	0.00072	0.00085	0.00098	0.0010	0.0015	0.00031 J	< 0.0013 UJ	< 0.00074 UJ	< 0.00063 U	< 0.0067 U	0.00088	0.00057	< 0.00087 U	< 0.064 U	0.00051 J	0.00064	< 0.00082 U	< 0.00067 U	0.00064
BROMOBENZENE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	R	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
BROMOCHLOROMETHANE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 UJ	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
BROMODICHLOROMETHANE	--	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 UJ	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
BROMOFORM	--	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 UJ	< 0.0020 UJ	< 0.0026 UJ	< 0.0030 UJ	< 0.0032 UJ	< 0.0020 UJ	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 UJ	< 0.0021 UJ	< 0.0021 UJ	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 UJ	< 0.0027 UJ	< 0.0020 UJ
BROMOMETHANE	--	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 UJ	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
CARBON TETRACHLORIDE	1.07	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
CHLOROBENZENE	0.2	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	R	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
CHLOROETHANE	--	< 0.0071 UJ	< 0.0055 UJ	< 0.0045 UJ	< 0.0060 UJ	< 0.0049 UJ	< 0.0065 UJ	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 UJ	< 0.0053 UJ	< 0.0087 U	< 0.64 UJ	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
CHLOROFORM	0.000715*	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
CHLOROMETHANE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
CIS-1,2-DICHLOROETHYLENE	0.79*	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
CYMENE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	0.108 J	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
DIBROMOCHLOROMETHANE	--	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 UJ	< 0.0020 UJ	< 0.0026 UJ	< 0.0030 UJ	< 0.0032 UJ	< 0.0020 UJ	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 UJ	< 0.0021 UJ	< 0.0021 UJ	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 UJ	< 0.0027 U	< 0.0020 UJ
DIBROMOMETHANE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 UJ	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
DICHLORODIFLUOROMETHANE	--	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
ETHYLBENZENE	0.43	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
HEXACHLOROBUTADIENE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
ISOPROPYLBENZENE (CUMENE)	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
M,P-XYLENE (SUM OF ISOMERS)	0.05	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	R	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
METHYLENE CHLORIDE	0.041	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 UJ	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 UJ	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
NAPHTHALENE	7.7	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 UJ	< 0.0049 UJ	< 0.0065 UJ	< 0.0076 U	< 0.0080 UJ	< 0.0051 U	R	R	< 0.0063 U	< 0.0067 UJ	< 0.0053 UJ	< 0.0053 UJ	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 UJ	< 0.0067 UJ	< 0.0050 UJ
N-BUTYLBENZENE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
N-PROPYLBENZENE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
O-XYLENE (1,2-DIMETHYLBENZENE)	--	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	R	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
SEC-BUTYLBENZENE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
STYRENE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	R	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
T-BUTYLBENZENE	--	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
TERT-BUTYL METHYL ETHER	--	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 UJ	< 0.0020 UJ	< 0.0026 UJ	< 0.0030 UJ	< 0.0032 U	< 0.0020 UJ	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 UJ	< 0.0021 UJ	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
TETRACHLOROETHYLENE(PCE)	16	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
TOLUENE	0.93	< 0.0071 U	< 0.0055 U	< 0.0045 U	< 0.0060 U	< 0.0049 U	< 0.0065 U	< 0.0076 U	< 0.0080 U	< 0.0051 U	< 0.013 UJ	< 0.0074 UJ	< 0.0063 U	< 0.0067 U	< 0.0053 U	< 0.0053 U	< 0.0087 U	< 0.64 U	< 0.0059 U	< 0.0051 U	< 0.0082 U	< 0.0067 U	< 0.0050 U
TRANS-1,2-DICHLOROETHENE	1.2	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
TRICHLOROETHYLENE (TCE)	1.8	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	0.0014 J	0.0030 J	< 0.0025 U	0.00090 J	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
TRICHLOROFLUOROMETHANE	--	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 U	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U
VINYL CHLORIDE	--	< 0.0028 U	< 0.0022 U	< 0.0018 U	< 0.0024 U	< 0.0020 U	< 0.0026 U	< 0.0030 U	< 0.0032 U	< 0.0020 UJ	< 0.0053 UJ	< 0.0030 UJ	< 0.0025 U	< 0.0027 U	< 0.0021 U	< 0.0021 U	< 0.0035 U	< 0.25 U	< 0.0024 U	< 0.0020 U	< 0.0033 U	< 0.0027 U	< 0.0020 U

Notes:
VOC - Volatile Organic Compound.
All units are in milligrams per kilogram (mg/kg).
* - UTC-Developed criteria.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
R - Concentration rejected during validation.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).
Exceedances of UTC-Developed criteria are highlighted orange and presented with **Bold** text.

Table 3
VOC Screening Table
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria - Class A	Transect C															TransectD								
Sample ID		SDC1	SDC1	SDC1	SDC2	SDC2	SDC2	SDC3	SDC3	SDC3	SDC4	SDC4	SDC4	SDC5	SDC5	SDC5	SDD1	SDD1	SDD1	SDD2	SDD2	SDD2	SDD3	SDD3	SDD3
Sample Date		11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/8/2013	11/8/2013	11/8/2013	11/7/2013	11/7/2013	11/7/2013	11/6/2013	11/6/2013	11/6/2013	11/7/2013	11/7/2013	11/7/2013	11/8/2013	11/8/2013	11/8/2013
Sample Interval (inches)		0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24
Chemical Name																									
1,1,1,2-TETRACHLOROETHANE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 U	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
1,1,1-TRICHLOROETHANE	0.06*	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
1,1,2,2-TETRACHLOROETHANE	--	< 0.0037 UJ	< 0.0029 UJ	< 0.0024 UJ	< 0.0024 UJ	< 0.0024 UJ	< 0.0019 UJ	< 0.0021 UJ	< 0.0022 UJ	< 0.0020 UJ	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 UJ	< 0.0035 UJ	< 0.0021 UJ	< 0.0033 UJ	< 0.0025 UJ	< 0.0019 UJ	< 0.0028 U	< 0.0021 UJ	< 0.0022 UJ	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
1,1,2-TRICHLOROETHANE	--	< 0.0037 UJ	< 0.0029 UJ	< 0.0024 UJ	< 0.0024 UJ	< 0.0024 UJ	< 0.0019 UJ	< 0.0021 UJ	< 0.0022 UJ	< 0.0020 UJ	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 UJ	< 0.0035 UJ	< 0.0021 UJ	< 0.0033 UJ	< 0.0025 UJ	< 0.0019 UJ	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
1,1-DICHLOROETHANE	0.0541*	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
1,1-DICHLOROETHENE	0.52	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 UJ	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
1,1-DICHLOROPROPENE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 U	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
1,2,3-TRICHLOROBENZENE	1.72*	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 UJ	< 0.0049 UJ	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 UJ	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
1,2,3-TRICHLOROPROPANE	--	< 0.0094 UJ	< 0.0072 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0048 UJ	< 0.0054 UJ	< 0.0055 UJ	< 0.0049 UJ	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 UJ	< 0.0089 UJ	< 0.0053 UJ	< 0.0081 UJ	< 0.0062 UJ	< 0.0047 UJ	< 0.0071 U	< 0.0053 UJ	< 0.0054 UJ	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
1,2,4-TRICHLOROBENZENE	2.14*	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 UJ	< 0.0055 UJ	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 UJ	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
1,2,4-TRIMETHYLBENZENE	3.4	< 0.0094 U	< 0.0072 U	< 0.0059 U	0.00050 J	< 0.0059 U	< 0.0048 U	< 0.0054 U	0.00042 J	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	0.00070 J	0.00027 J	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
1,2-DIBROMO-3-CHLOROPROPANE	--	< 0.0094 UJ	< 0.0072 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0048 UJ	< 0.0054 UJ	< 0.0055 UJ	< 0.0049 UJ	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 UJ	< 0.0089 UJ	< 0.0053 U	< 0.0081 UJ	< 0.0062 UJ	< 0.0047 UJ	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	--	< 0.0037 UJ	< 0.0029 UJ	< 0.0024 UJ	< 0.0024 UJ	< 0.0024 UJ	< 0.0019 UJ	< 0.0021 UJ	< 0.0022 UJ	< 0.0020 UJ	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 UJ	< 0.0035 UJ	< 0.0021 UJ	< 0.0033 UJ	< 0.0025 UJ	< 0.0019 UJ	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
1,2-DICHLOROBENZENE	0.28	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
1,2-DICHLOROETHANE	1.7	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 UJ	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
1,2-DICHLOROPROPANE	--	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0.832*	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 UJ	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
1,3-DICHLOROBENZENE	1.8	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 UJ	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
1,3-DICHLOROPROPANE	--	< 0.0094 UJ	< 0.0072 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0048 UJ	< 0.0054 UJ	< 0.0055 UJ	< 0.0049 UJ	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 UJ	< 0.0062 UJ	< 0.0047 UJ	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
1,4-DICHLOROBENZENE	0.72	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 UJ	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
2,2-DICHLOROPROPANE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 U	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
2-CHLOROTOLUENE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 UJ	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
4-CHLOROTOLUENE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 UJ	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
BENZENE	0.53	< 0.00094 U	< 0.00072 U	< 0.00059 U	0.0012	< 0.00059 U	0.00048	0.00069	0.00081	0.00050	< 0.00090 U	< 0.00051 U	0.00078	< 0.00096 U	< 0.00089 U	0.00091	0.00057 J	0.0011	0.00057	< 0.00071 U	0.00071	0.00060	< 0.00068 U	0.00060 J	0.00070
BROMOBENZENE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 UJ	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
BROMOCHLOROMETHANE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 U	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
BROMODICHLOROMETHANE	--	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
BROMOFORM	--	< 0.0037 UJ	< 0.0029 UJ	< 0.0024 UJ	< 0.0024 UJ	< 0.0024 UJ	< 0.0019 UJ	< 0.0021 UJ	< 0.0022 UJ	< 0.0020 UJ	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 UJ	< 0.0035 UJ	< 0.0021 UJ	< 0.0033 UJ	< 0.0025 UJ	< 0.0019 UJ	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
BROMOMETHANE	--	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 UJ	< 0.0022 UJ	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
CARBON TETRACHLORIDE	1.07	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
CHLOROBENZENE	0.2	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
CHLOROETHANE	--	< 0.0094 UJ	< 0.0072 UJ	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 U	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
CHLOROFORM	0.000715*	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	**0.00077 J**	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
CHLOROMETHANE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 U	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
CIS-1,2-DICHLOROETHYLENE	0.79*	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
CYMENE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 UJ	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
DIBROMOCHLOROMETHANE	--	< 0.0037 UJ	< 0.0029 UJ	< 0.0024 UJ	< 0.0024 UJ	< 0.0024 UJ	< 0.0019 UJ	< 0.0021 UJ	< 0.0022 UJ	< 0.0020 UJ	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 UJ	< 0.0035 UJ	< 0.0021 UJ	< 0.0033 UJ	< 0.0025 UJ	< 0.0019 UJ	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
DIBROMOMETHANE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 U	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
DICHLORODIFLUOROMETHANE	--	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
ETHYLBENZENE	0.43	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
HEXACHLOROBUTADIENE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 UJ	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
ISOPROPYLBENZENE (CUMENE)	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 UJ	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
M,P-XYLENE (SUM OF ISOMERS)	0.05	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
METHYLENE CHLORIDE	0.041	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
NAPHTHALENE	7.7	< 0.0094 UJ	< 0.0072 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0059 UJ	< 0.0048 UJ	< 0.0054 UJ	< 0.0055 UJ	< 0.0049 UJ	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 UJ	< 0.0089 UJ	< 0.0053 UJ	< 0.0081 UJ	< 0.0062 UJ	< 0.0047 UJ	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
N-BUTYLBENZENE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 UJ	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
N-PROPYLBENZENE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 UJ	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
O-XYLENE (1,2-DIMETHYLBENZENE)	--	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
SEC-BUTYLBENZENE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 UJ	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
STYRENE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 U	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
T-BUTYLBENZENE	--	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 UJ	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
TERT-BUTYL METHYL ETHER	--	< 0.0037 UJ	< 0.0029 UJ	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
TETRACHLOROETHYLENE(PCE)	16	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
TOLUENE	0.93	< 0.0094 U	< 0.0072 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0048 U	< 0.0054 U	< 0.0055 U	< 0.0049 U	< 0.0090 U	< 0.0051 U	< 0.0053 U	< 0.0096 U	< 0.0089 U	< 0.0053 U	< 0.0081 U	< 0.0062 U	< 0.0047 U	< 0.0071 U	< 0.0053 U	< 0.0054 U	< 0.0068 U	< 0.0046 UJ	< 0.0057 U
TRANS-1,2-DICHLOROETHENE	1.2	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
TRICHLOROETHYLENE (TCE)	1.8	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
TRICHLOROFLUOROMETHANE	--	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 U	< 0.0022 U	< 0.0027 U	< 0.0019 UJ	< 0.0023 U
VINYL CHLORIDE	--	< 0.0037 U	< 0.0029 U	< 0.0024 U	< 0.0024 U	< 0.0024 U	< 0.0019 U	< 0.0021 U	< 0.0022 U	< 0.0020 U	< 0.0036 U	< 0.0020 U	< 0.0021 U	< 0.0038 U	< 0.0035 U	< 0.0021 U	< 0.0033 U	< 0.0025 U	< 0.0019 U	< 0.0028 U	< 0.0021 UJ	< 0.0022 UJ	< 0.0027 U	< 0.0019 UJ	< 0.0023 UJ

Notes:
VOC - Volatile Organic Compound.
All units are in milligrams per kilogram (mg/kg).
* - UTC-Developed criteria.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
R - Concentration rejected during validation.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).
Exceedances of UTC-Developed criteria are highlighted orange and presented with **Bold** text.

Table 3
VOC Screening Table
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria - Class A	Transect E												Transect F											
Sample ID		SDE1	SDE1	SDE1	SDE2	SDE2	SDE2	SDE3	SDE3	SDE3	SDE4	SDE4	SDE4	SDF1	SDF1	SDF1	SDF2	SDF2	SDF2	SDF3	SDF3	SDF3	SDF4	SDF4	SDF4
Sample Date		11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/8/2013	11/8/2013	11/8/2013	11/8/2013	11/8/2013	11/8/2013	11/4/2013	11/4/2013	11/4/2013	11/7/2013	11/7/2013	11/7/2013	11/8/2013	11/8/2013	11/8/2013	11/8/2013	11/8/2013	11/8/2013
Sample Interval (inches)		0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24
Chemical Name																									
1,1,1,2-TETRACHLOROETHANE	--	< 0.0069 U	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 U	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 U	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
1,1,1-TRICHLOROETHANE	0.06*	0.0019 J	0.00088 J	0.0011 J	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
1,1,2,2-TETRACHLOROETHANE	--	< 0.0028 UJ	< 0.0024 UJ	< 0.0018 UJ	< 0.0027 UJ	< 0.0024 UJ	< 0.0018 UJ	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 UJ	< 0.0025 UJ	< 0.0020 UJ	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
1,1,2-TRICHLOROETHANE	--	< 0.0028 UJ	< 0.0024 UJ	< 0.0018 UJ	< 0.0027 UJ	< 0.0024 UJ	< 0.0018 UJ	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
1,1-DICHLOROETHANE	0.0541*	0.0045	0.0027	0.0034	0.0054	0.0132	0.0126	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	0.0027	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
1,1-DICHLOROETHENE	0.52	< 0.0028 U	< 0.0024 U	< 0.0018 U	0.0011 J	0.0016 J	0.0013 J	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
1,1-DICHLOROPROPENE	--	< 0.0069 U	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 U	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 U	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
1,2,3-TRICHLOROBENZENE	1.72*	< 0.0069 UJ	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 UJ	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
1,2,3-TRICHLOROPROPANE	--	< 0.0069 UJ	< 0.0060 UJ	< 0.0046 UJ	< 0.0067 UJ	< 0.0060 UJ	< 0.0045 UJ	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 UJ	< 0.0062 UJ	< 0.0050 UJ	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
1,2,4-TRICHLOROBENZENE	2.14*	< 0.0069 UJ	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 UJ	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
1,2,4-TRIMETHYLBENZENE	3.4	0.00051 J	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 U	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
1,2-DIBROMO-3-CHLOROPROPANE	--	< 0.0069 UJ	< 0.0060 UJ	< 0.0046 UJ	< 0.0067 UJ	< 0.0060 UJ	< 0.0045 UJ	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	--	< 0.0028 UJ	< 0.0024 UJ	< 0.0018 UJ	< 0.0027 UJ	< 0.0024 UJ	< 0.0018 UJ	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
1,2-DICHLOROBENZENE	0.28	< 0.0028 UJ	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 UJ	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 UJ	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
1,2-DICHLOROETHANE	1.7	< 0.0028 U	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
1,2-DICHLOROPROPANE	--	< 0.0028 U	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0.832*	< 0.0069 UJ	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 UJ	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
1,3-DICHLOROBENZENE	1.8	< 0.0028 UJ	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 UJ	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 UJ	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
1,3-DICHLOROPROPANE	--	< 0.0069 UJ	< 0.0060 UJ	< 0.0046 UJ	< 0.0067 UJ	< 0.0060 UJ	< 0.0045 UJ	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 U	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
1,4-DICHLOROBENZENE	0.72	< 0.0028 UJ	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 UJ	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 UJ	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
2,2-DICHLOROPROPANE	--	< 0.0069 U	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 U	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 U	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
2-CHLOROTOLUENE	--	< 0.0069 UJ	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 UJ	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
4-CHLOROTOLUENE	--	< 0.0069 UJ	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 UJ	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
BENZENE	0.53	0.00095	0.00038 J	0.00054	< 0.00067 U	0.00070	0.00057	< 0.00066 U	0.00076	0.00064	< 0.00091 U	< 0.00088 U	0.00067 J	0.00076	0.00058	0.00066	0.00078	0.00051 J	0.0011	0.00042 J	0.00049 J	0.0012	< 0.00098 U	0.00033 J	0.00044 J
BROMOBENZENE	--	< 0.0069 UJ	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 UJ	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
BROMOCHLOROMETHANE	--	< 0.0069 U	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 U	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 U	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
BROMODICHLOROMETHANE	--	< 0.0028 U	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
BROMOFORM	--	< 0.0028 UJ	< 0.0024 UJ	< 0.0018 UJ	< 0.0027 UJ	< 0.0024 UJ	< 0.0018 UJ	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
BROMOMETHANE	--	< 0.0028 U	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 UJ	< 0.0025 UJ	< 0.0020 UJ	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
CARBON TETRACHLORIDE	1.07	< 0.0028 U	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
CHLOROBENZENE	0.2	< 0.0028 U	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
CHLOROETHANE	--	< 0.0069 U	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 U	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 U	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
CHLOROFORM	0.000715*	**0.00097 J**	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
CHLOROMETHANE	--	< 0.0069 U	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 U	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 U	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
CIS-1,2-DICHLOROETHYLENE	0.79*	0.0827	0.0020 J	0.0030	0.139	0.41	0.11	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	0.00064 J	0.0247	0.0029	0.0593	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
CYMENE	--	< 0.0069 UJ	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 UJ	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
DIBROMOCHLOROMETHANE	--	< 0.0028 UJ	< 0.0024 UJ	< 0.0018 UJ	< 0.0027 UJ	< 0.0024 UJ	< 0.0018 UJ	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
DIBROMOMETHANE	--	< 0.0069 U	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 U	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 U	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
DICHLORODIFLUOROMETHANE	--	< 0.0028 U	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 UJ	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
ETHYLBENZENE	0.43	< 0.0028 U	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
HEXACHLOROBUTADIENE	--	< 0.0069 UJ	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 UJ	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 UJ	< 0.0046 UJ	< 0.0051 UJ	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
ISOPROPYLBENZENE (CUMENE)	--	< 0.0069 UJ	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 UJ	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
M,P-XYLENE (SUM OF ISOMERS)	0.05	< 0.0028 U	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
METHYLENE CHLORIDE	0.041	< 0.0028 U	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
NAPHTHALENE	7.7	< 0.0069 UJ	< 0.0060 UJ	< 0.0046 UJ	< 0.0067 UJ	< 0.0060 UJ	< 0.0045 UJ	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
N-BUTYLBENZENE	--	< 0.0069 UJ	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 UJ	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 UJ	< 0.0046 UJ	< 0.0051 UJ	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
N-PROPYLBENZENE	--	< 0.0069 UJ	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 UJ	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 UJ	< 0.0046 UJ	< 0.0051 UJ	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
O-XYLENE (1,2-DIMETHYLBENZENE)	--	< 0.0028 U	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
SEC-BUTYLBENZENE	--	< 0.0069 UJ	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 UJ	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
STYRENE	--	< 0.0069 U	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 U	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 U	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
T-BUTYLBENZENE	--	< 0.0069 UJ	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 UJ	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 UJ	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
TERT-BUTYL METHYL ETHER	--	< 0.0028 U	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
TETRACHLOROETHYLENE(PCE)	16	< 0.0028 U	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
TOLUENE	0.93	< 0.0069 U	< 0.0060 U	< 0.0046 U	< 0.0067 U	< 0.0060 U	< 0.0045 U	< 0.0066 U	< 0.0062 U	< 0.0048 U	< 0.0091 U	< 0.0088 U	< 0.012 U	< 0.0058 U	< 0.0046 U	< 0.0051 U	< 0.0065 U	< 0.0062 U	< 0.0050 U	< 0.0068 U	< 0.0062 U	< 0.0056 U	< 0.0098 U	< 0.0054 U	< 0.0052 U
TRANS-1,2-DICHLOROETHENE	1.2	0.0014 J	< 0.0024 U	< 0.0018 U	0.0042	0.0102	0.0012 J	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
TRICHLOROETHYLENE (TCE)	1.8	0.0702	0.0071	0.0083	0.0240	0.0681	0.0432	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	0.0018 J	< 0.0025 U	0.0020	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
TRICHLOROFLUOROMETHANE	--	< 0.0028 U	< 0.0024 U	< 0.0018 U	< 0.0027 U	< 0.0024 U	< 0.0018 U	< 0.0026 U	< 0.0025 U	< 0.0019 U	< 0.0036 U	< 0.0035 U	< 0.0049 U	< 0.0023 U	< 0.0018 U	< 0.0020 U	< 0.0026 U	< 0.0025 U	< 0.0020 U	< 0.0027 U	< 0.0025 U	< 0.0022 U	< 0.0039 U	< 0.0022 U	< 0.0021 U
VINYL CHLORIDE	--	< 0.0028 U	< 0.0024 U	< 0.0018 U	0.0013 J	0.0028	< 0.0018 U	< 0.0026 UJ	< 0.0025 UJ	< 0.0019 UJ	< 0.0036 UJ	< 0.0035 UJ	< 0.0049 UJ	< 0.0023 UJ	< 0.0018 UJ	< 0.0020 UJ	< 0.0026 UJ	< 0.0025 UJ	< 0.0020 UJ	< 0.0027 UJ	< 0.0025 UJ	< 0.0022 UJ	< 0.0039 UJ	< 0.0022 UJ	< 0.0021 UJ

Notes:
VOC - Volatile Organic Compound.
All units are in milligrams per kilogram (mg/kg).
* - UTC-Developed criteria.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
R - Concentration rejected during validation.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).
Exceedances of UTC-Developed criteria are highlighted orange and presented with **Bold** text.

Table 3
VOC Screening Table
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria - Class A	Transect G					
Sample ID		SDG1	SDG1	SDG1	SDG2	SDG2	SDG2
Sample Date		11/6/2013	11/6/2013	11/6/2013	11/7/2013	11/7/2013	11/7/2013
Sample Interval (inches)		0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24
Chemical Name							
1,1,1,2-TETRACHLOROETHANE	--	< 0.0070 U	< 0.0064 U	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
1,1,1-TRICHLOROETHANE	0.06*	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
1,1,2,2-TETRACHLOROETHANE	--	< 0.0028 U	< 0.0025 UJ	< 0.0036 UJ	< 0.0036 UJ	< 0.0027 UJ	< 0.0019 UJ
1,1,2-TRICHLOROETHANE	--	< 0.0028 U	< 0.0025 UJ	< 0.0036 UJ	< 0.0036 U	< 0.0027 U	< 0.0019 U
1,1-DICHLOROETHANE	0.0541*	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
1,1-DICHLOROETHENE	0.52	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
1,1-DICHLOROPROPENE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
1,2,3-TRICHLOROBENZENE	1.72*	< 0.0070 UJ	< 0.0064 UJ	< 0.0090 UJ	< 0.0089 U	< 0.0068 U	< 0.0047 U
1,2,3-TRICHLOROPROPANE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 UJ	< 0.0089 UJ	< 0.0068 UJ	< 0.0047 UJ
1,2,4-TRICHLOROBENZENE	2.14*	< 0.0070 UJ	< 0.0064 UJ	< 0.0090 UJ	< 0.0089 U	< 0.0068 U	< 0.0047 U
1,2,4-TRIMETHYLBENZENE	3.4	< 0.0070 U	0.00038 J	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
1,2-DIBROMO-3-CHLOROPROPANE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 UJ	< 0.0089 U	< 0.0068 U	< 0.0047 U
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	--	< 0.0028 U	< 0.0025 UJ	< 0.0036 UJ	< 0.0036 U	< 0.0027 U	< 0.0019 U
1,2-DICHLOROBENZENE	0.28	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
1,2-DICHLOROETHANE	1.7	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
1,2-DICHLOROPROPANE	--	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0.832*	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
1,3-DICHLOROBENZENE	1.8	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
1,3-DICHLOROPROPANE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 UJ	< 0.0089 U	< 0.0068 U	< 0.0047 U
1,4-DICHLOROBENZENE	0.72	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
2,2-DICHLOROPROPANE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
2-CHLOROTOLUENE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
4-CHLOROTOLUENE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
BENZENE	0.53	0.00050 J	0.0012 J	0.00092	< 0.00089 U	< 0.00068 U	0.00057
BROMOBENZENE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
BROMOCHLOROMETHANE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
BROMODICHLOROMETHANE	--	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
BROMOFORM	--	< 0.0028 U	< 0.0025 UJ	< 0.0036 UJ	< 0.0036 U	< 0.0027 U	< 0.0019 U
BROMOMETHANE	--	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 UJ	< 0.0027 UJ	< 0.0019 UJ
CARBON TETRACHLORIDE	1.07	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
CHLOROBENZENE	0.2	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
CHLOROETHANE	--	< 0.0070 UJ	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
CHLOROFORM	0.000715*	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
CHLOROMETHANE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
CIS-1,2-DICHLOROETHYLENE	0.79*	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
CYMENE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
DIBROMOCHLOROMETHANE	--	< 0.0028 U	< 0.0025 UJ	< 0.0036 UJ	< 0.0036 U	< 0.0027 U	< 0.0019 U
DIBROMOMETHANE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
DICHLORODIFLUOROMETHANE	--	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
ETHYLBENZENE	0.43	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
HEXACHLOROBUTADIENE	--	< 0.0070 UJ	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
ISOPROPYLBENZENE (CUMENE)	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
M,P-XYLENE (SUM OF ISOMERS)	0.05	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
METHYLENE CHLORIDE	0.041	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
NAPHTHALENE	7.7	< 0.0070 UJ	< 0.0064 UJ	< 0.0090 UJ	< 0.0089 U	< 0.0068 U	< 0.0047 U
N-BUTYLBENZENE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
N-PROPYLBENZENE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
O-XYLENE (1,2-DIMETHYLBENZENE)	--	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
SEC-BUTYLBENZENE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
STYRENE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
T-BUTYLBENZENE	--	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
TERT-BUTYL METHYL ETHER	--	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
TETRACHLOROETHYLENE(PCE)	16	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
TOLUENE	0.93	< 0.0070 U	< 0.0064 UJ	< 0.0090 U	< 0.0089 U	< 0.0068 U	< 0.0047 U
TRANS-1,2-DICHLOROETHENE	1.2	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
TRICHLOROETHYLENE (TCE)	1.8	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
TRICHLOROFLUOROMETHANE	--	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 U	< 0.0027 U	< 0.0019 U
VINYL CHLORIDE	--	< 0.0028 U	< 0.0025 UJ	< 0.0036 U	< 0.0036 UJ	< 0.0027 UJ	< 0.0019 UJ

Transect	Transect H								
Sample ID	SDH1	SDH1	SDH1	SDH2	SDH2	SDH2	SDH3	SDH3	SDH3
Sample Date	11/6/2013	11/6/2013	11/6/2013	11/7/2013	11/7/2013	11/7/2013	11/7/2013	11/7/2013	11/7/2013
Sample Interval (inches)	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24
Chemical Name									
1,1,1,2-TETRACHLOROETHANE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
1,1,1-TRICHLOROETHANE	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
1,1,2,2-TETRACHLOROETHANE	< 0.011 UJ	< 0.0025 U	< 0.0018 U	< 0.0035 UJ	< 0.0023 UJ	< 0.0022 UJ	< 0.0058 UJ	< 0.0025 UJ	< 0.0025 UJ
1,1,2-TRICHLOROETHANE	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 UJ	< 0.0022 UJ	< 0.0058 UJ	< 0.0025 UJ	< 0.0025 UJ
1,1-DICHLOROETHANE	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
1,1-DICHLOROETHENE	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
1,1-DICHLOROPROPENE	< 0.027 U	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
1,2,3-TRICHLOROBENZENE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 UJ	< 0.0054 UJ	< 0.014 UJ	< 0.0061 U	< 0.0062 UJ
1,2,3-TRICHLOROPROPANE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 UJ	< 0.0058 UJ	< 0.0054 UJ	< 0.014 UJ	< 0.0061 UJ	< 0.0062 UJ
1,2,4-TRICHLOROBENZENE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 UJ	< 0.0054 UJ	< 0.014 UJ	< 0.0061 U	< 0.0062 UJ
1,2,4-TRIMETHYLBENZENE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
1,2-DIBROMO-3-CHLOROPROPANE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 UJ	< 0.0054 UJ	< 0.014 UJ	< 0.0061 UJ	< 0.0062 UJ
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	< 0.011 UJ	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 UJ	< 0.0022 UJ	< 0.0058 UJ	< 0.0025 UJ	< 0.0025 UJ
1,2-DICHLOROBENZENE	< 0.011 UJ	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
1,2-DICHLOROETHANE	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
1,2-DICHLOROPROPANE	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0.0050 J	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
1,3-DICHLOROBENZENE	< 0.011 UJ	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
1,3-DICHLOROPROPANE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 UJ	< 0.0054 UJ	< 0.014 UJ	< 0.0061 U	< 0.0062 UJ
1,4-DICHLOROBENZENE	< 0.011 UJ	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
2,2-DICHLOROPROPANE	< 0.027 U	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
2-CHLOROTOLUENE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
4-CHLOROTOLUENE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
BENZENE	< 0.0027 U	< 0.00063 U	0.00051	< 0.00088 U	< 0.00058 U	< 0.00054 U	< 0.0014 U	< 0.00061 U	0.00059 J
BROMOBENZENE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
BROMOCHLOROMETHANE	< 0.027 U	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
BROMODICHLOROMETHANE	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
BROMOFORM	< 0.011 UJ	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 UJ	< 0.0022 UJ	< 0.0058 UJ	< 0.0025 UJ	< 0.0025 UJ
BROMOMETHANE	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 UJ	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
CARBON TETRACHLORIDE	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
CHLOROBENZENE	< 0.011 UJ	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
CHLOROETHANE	< 0.027 UJ	< 0.0063 UJ	< 0.0045 UJ	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
CHLOROFORM	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
CHLOROMETHANE	< 0.027 U	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
CIS-1,2-DICHLOROETHYLENE	0.0037 J	0.00091 J	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
CYMENE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
DIBROMOCHLOROMETHANE	< 0.011 UJ	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 UJ	< 0.0022 UJ	< 0.0058 UJ	< 0.0025 UJ	< 0.0025 UJ
DIBROMOMETHANE	< 0.027 U	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
DICHLORODIFLUOROMETHANE	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
ETHYLBENZENE	0.0012 J	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
HEXACHLOROBUTADIENE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
ISOPROPYLBENZENE (CUMENE)	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
M,P-XYLENE (SUM OF ISOMERS)	< 0.011 UJ	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
METHYLENE CHLORIDE	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
NAPHTHALENE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 UJ	< 0.0054 UJ	< 0.014 UJ	< 0.0061 UJ	< 0.0062 UJ
N-BUTYLBENZENE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
N-PROPYLBENZENE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
O-XYLENE (1,2-DIMETHYLBENZENE)	< 0.011 UJ	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
SEC-BUTYLBENZENE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
STYRENE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
T-BUTYLBENZENE	< 0.027 UJ	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
TERT-BUTYL METHYL ETHER	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
TETRACHLOROETHYLENE(PCE)	< 0.011 UJ	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
TOLUENE	0.0270	< 0.0063 U	< 0.0045 U	< 0.0088 U	< 0.0058 U	< 0.0054 U	< 0.014 U	< 0.0061 U	< 0.0062 U
TRANS-1,2-DICHLOROETHENE	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
TRICHLOROETHYLENE (TCE)	0.0054 J	0.0011 J	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
TRICHLOROFLUOROMETHANE	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 U	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U
VINYL CHLORIDE	< 0.011 U	< 0.0025 U	< 0.0018 U	< 0.0035 UJ	< 0.0023 U	< 0.0022 U	< 0.0058 U	< 0.0025 U	< 0.0025 U

Transect	Transect I											
Sample ID	SDI1	SDI1 (Dup)	SDI1	SDI1 (Dup)	SDI1	SDI1 (Dup)	SDI2	SDI2	SDI2	SDI3	SDI3	SDI3
Sample Date	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/7/2013	11/7/2013	11/7/2013	11/5/2013	11/5/2013	11/5/2013
Sample Interval (inches)	0 - 6	0 - 6	6 - 12	6 - 12	18 - 24	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24
Chemical Name												
1,1,1,2-TETRACHLOROETHANE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 U
1,1,1-TRICHLOROETHANE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
1,1,2,2-TETRACHLOROETHANE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 UJ	< 0.03 UJ	< 0.013 UJ	< 0.0038 UJ	< 0.0029 U	< 0.0024 U	< 0.0025 UJ
1,1,2-TRICHLOROETHANE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 UJ	< 0.013 UJ	< 0.0038 UJ	< 0.0029 U	< 0.0024 U	< 0.0025 U
1,1-DICHLOROETHANE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
1,1-DICHLOROETHENE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
1,1-DICHLOROPROPENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 U
1,2,3-TRICHLOROBENZENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 UJ	< 0.0095 UJ	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
1,2,3-TRICHLOROPROPANE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 UJ	< 0.033 UJ	< 0.0095 UJ	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
1,2,4-TRICHLOROBENZENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 UJ	< 0.0095 UJ	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
1,2,4-TRIMETHYLBENZENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	0.00037 J	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
1,2-DIBROMO-3-CHLOROPROPANE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 UJ	< 0.033 UJ	< 0.0095 UJ	< 0.0073 U	< 0.0060 U	< 0.0061 U
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 UJ	< 0.013 UJ	< 0.0038 UJ	< 0.0029 U	< 0.0024 U	< 0.0025 U
1,2-DICHLOROBENZENE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 UJ
1,2-DICHLOROETHANE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
1,2-DICHLOROPROPANE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
1,3,5-TRIMETHYLBENZENE (MESITYLENE)	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	0.0039 J	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
1,3-DICHLOROBENZENE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 UJ
1,3-DICHLOROPROPANE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 UJ	< 0.0095 UJ	< 0.0073 U	< 0.0060 U	< 0.0061 U
1,4-DICHLOROBENZENE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	0.00049 J
2,2-DICHLOROPROPANE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 U
2-CHLOROTOLUENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
4-CHLOROTOLUENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
BENZENE	< 0.00070 U	< 0.00059 U	0.00039 J	0.00065	0.00080	0.0010	< 0.0074 U	< 0.0033 U	< 0.00095 U	< 0.00073 U	< 0.00060 U	< 0.00061 U
BROMOBENZENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
BROMOCHLOROMETHANE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 U
BROMODICHLOROMETHANE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
BROMOFORM	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 UJ	< 0.013 UJ	< 0.0038 UJ	< 0.0029 U	< 0.0024 U	< 0.0025 U
BROMOMETHANE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
CARBON TETRACHLORIDE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
CHLOROBENZENE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
CHLOROETHANE	< 0.0070 UJ	< 0.0059 UJ	< 0.0058 UJ	< 0.0052 UJ	< 0.0062 UJ	< 0.0056 UJ	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
CHLOROFORM	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
CHLOROMETHANE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
CIS-1,2-DICHLOROETHYLENE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
CYMENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
DIBROMOCHLOROMETHANE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 UJ	< 0.013 UJ	< 0.0038 UJ	< 0.0029 U	< 0.0024 U	< 0.0025 U
DIBROMOMETHANE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 U
DICHLORODIFLUOROMETHANE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 UJ
ETHYLBENZENE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	0.00046 J
HEXACHLOROBUTADIENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
ISOPROPYLBENZENE (CUMENE)	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
M,P-XYLENE (SUM OF ISOMERS)	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
METHYLENE CHLORIDE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
NAPHTHALENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 UJ	< 0.033 UJ	< 0.0095 UJ	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
N-BUTYLBENZENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
N-PROPYLBENZENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
O-XYLENE (1,2-DIMETHYLBENZENE)	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
SEC-BUTYLBENZENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
STYRENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 U
T-BUTYLBENZENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	< 0.033 U	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 UJ
TERT-BUTYL METHYL ETHER	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
TETRACHLOROETHYLENE(PCE)	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
TOLUENE	< 0.0070 U	< 0.0059 U	< 0.0058 U	< 0.0052 U	< 0.0062 U	< 0.0056 U	< 0.074 U	0.0333	< 0.0095 U	< 0.0073 U	< 0.0060 U	< 0.0061 U
TRANS-1,2-DICHLOROETHENE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
TRICHLOROETHYLENE (TCE)	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
TRICHLOROFLUOROMETHANE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U
VINYL CHLORIDE	< 0.0028 U	< 0.0024 U	< 0.0023 U	< 0.0021 U	< 0.0025 U	< 0.0022 U	< 0.03 U	< 0.013 U	< 0.0038 U	< 0.0029 U	< 0.0024 U	< 0.0025 U

Notes:
VOC - Volatile Organic Compound.
All units are in milligrams per kilogram (mg/kg).
* - UTC-Developed criteria.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
R - Concentration rejected during validation.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).
Exceedances of UTC-Developed criteria are highlighted orange and presented with **Bold** text.

Table 3
VOC Screening Table
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria - Class A	Transect K						North Swale to Sanders Creek																				
Sample ID		SDK1	SDK1	SDK1	SDK2	SDK2	SDK2	SDS1	SDS1	SDS1	SDS2	SDS2	SDS2	SDS3	SDS3	SDS3	SDS4	SDS4	SDS4	SDS5	SDS5	SDS5	SDS6	SDS6	SDS6	SDS7	SDS7	SDS7
Sample Date		11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013
Sample Interval (inches)		0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24
Chemical Name																												
1,1,1,2-TETRACHLOROETHANE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
1,1,1-TRICHLOROETHANE	0.06*	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
1,1,2,2-TETRACHLOROETHANE	--	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
1,1,2-TRICHLOROETHANE	--	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
1,1-DICHLOROETHANE	0.0541*	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
1,1-DICHLOROETHENE	0.52	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
1,1-DICHLOROPROPENE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
1,2,3-TRICHLOROBENZENE	1.72*	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
1,2,3-TRICHLOROPROPANE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
1,2,4-TRICHLOROBENZENE	2.14*	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
1,2,4-TRIMETHYLBENZENE	3.4	< 0.013 U	< 0.0070 U	0.00027 J	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
1,2-DIBROMO-3-CHLOROPROPANE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	--	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
1,2-DICHLOROBENZENE	0.28	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
1,2-DICHLOROETHANE	1.7	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
1,2-DICHLOROPROPANE	--	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0.832*	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
1,3-DICHLOROBENZENE	1.8	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
1,3-DICHLOROPROPANE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
1,4-DICHLOROBENZENE	0.72	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
2,2-DICHLOROPROPANE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
2-CHLOROTOLUENE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
4-CHLOROTOLUENE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
BENZENE	0.53	< 0.0013 U	< 0.00070 U	0.00076	< 0.00064 UJ	< 0.00052 UJ	< 0.00052 U	< 0.00063 UJ	< 0.00068 U	< 0.00050 U	< 0.00073 U	0.00037 J	0.00055 J	0.00075	0.00078	0.00097	< 0.0010 U	< 0.00073 U	< 0.00055 U	< 0.0011 U	< 0.00084 U	< 0.00061 U	< 0.00093 U	< 0.00097 U	< 0.00075 U	0.0013	0.00086	0.00084
BROMOBENZENE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
BROMOCHLOROMETHANE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
BROMODICHLOROMETHANE	--	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
BROMOFORM	--	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
BROMOMETHANE	--	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
CARBON TETRACHLORIDE	1.07	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
CHLOROBENZENE	0.2	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
CHLOROETHANE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 UJ	< 0.0050 UJ	< 0.0073 UJ	< 0.0064 UJ	< 0.0080 UJ	< 0.0072 UJ	< 0.0060 UJ	< 0.0065 UJ	< 0.01 UJ	< 0.0073 UJ	< 0.0055 UJ	< 0.011 UJ	< 0.0084 UJ	< 0.0061 UJ	< 0.0093 UJ	< 0.0097 UJ	< 0.0075 UJ	< 0.0078 UJ	< 0.0052 UJ	< 0.0046 UJ
CHLOROFORM	0.000715*	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
CHLOROMETHANE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 UJ	< 0.0050 UJ	< 0.0073 UJ	< 0.0064 UJ	< 0.0080 UJ	< 0.0072 UJ	< 0.0060 UJ	< 0.0065 UJ	< 0.01 UJ	< 0.0073 UJ	< 0.0055 UJ	< 0.011 UJ	< 0.0084 UJ	< 0.0061 UJ	< 0.0093 UJ	< 0.0097 UJ	< 0.0075 UJ	< 0.0078 UJ	< 0.0052 UJ	< 0.0046 UJ
CIS-1,2-DICHLOROETHYLENE	0.79*	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
CYMENE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
DIBROMOCHLOROMETHANE	--	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
DIBROMOMETHANE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
DICHLORODIFLUOROMETHANE	--	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 UJ	< 0.0020 UJ	< 0.0029 UJ	< 0.0025 UJ	< 0.0032 UJ	< 0.0029 UJ	< 0.0024 UJ	< 0.0026 UJ	< 0.0041 UJ	< 0.0029 UJ	< 0.0022 UJ	< 0.0046 UJ	< 0.0034 UJ	< 0.0024 UJ	< 0.0037 UJ	< 0.0039 UJ	< 0.0030 UJ	< 0.0031 UJ	< 0.0021 UJ	< 0.0018 UJ
ETHYLBENZENE	0.43	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
HEXACHLOROBUTADIENE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
ISOPROPYLBENZENE (CUMENE)	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
M,P-XYLENE (SUM OF ISOMERS)	0.05	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
METHYLENE CHLORIDE	0.041	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
NAPHTHALENE	7.7	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
N-BUTYLBENZENE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
N-PROPYLBENZENE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
O-XYLENE (1,2-DIMETHYLBENZENE)	--	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
SEC-BUTYLBENZENE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
STYRENE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
T-BUTYLBENZENE	--	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
TERT-BUTYL METHYL ETHER	--	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
TETRACHLOROETHYLENE(PCE)	16	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	0.0017 J	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
TOLUENE	0.93	< 0.013 U	< 0.0070 U	< 0.0057 U	< 0.0064 UJ	< 0.0052 UJ	< 0.0052 U	< 0.0063 UJ	< 0.0068 U	< 0.0050 U	< 0.0073 U	< 0.0064 U	< 0.0080 U	< 0.0072 U	< 0.0060 U	< 0.0065 U	< 0.01 U	< 0.0073 U	< 0.0055 U	< 0.011 U	< 0.0084 U	< 0.0061 U	< 0.0093 U	< 0.0097 U	< 0.0075 U	< 0.0078 U	< 0.0052 U	< 0.0046 U
TRANS-1,2-DICHLOROETHENE	1.2	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
TRICHLOROETHYLENE (TCE)	1.8	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	0.0011 J	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
TRICHLOROFLUOROMETHANE	--	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 U	< 0.0020 U	< 0.0029 U	< 0.0025 U	< 0.0032 U	< 0.0029 U	< 0.0024 U	< 0.0026 U	< 0.0041 U	< 0.0029 U	< 0.0022 U	< 0.0046 U	< 0.0034 U	< 0.0024 U	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U
VINYL CHLORIDE	--	< 0.0051 U	< 0.0028 U	< 0.0023 U	< 0.0026 UJ	< 0.0021 UJ	< 0.0021 U	< 0.0025 UJ	< 0.0027 UJ	< 0.0020 UJ	< 0.0029 UJ	< 0.0025 UJ	< 0.0032 UJ	< 0.0029 UJ	< 0.0024 UJ	< 0.0026 UJ	< 0.0041 UJ	< 0.0029 UJ	< 0.0022 UJ	< 0.0046 UJ	< 0.0034 UJ	< 0.0024 UJ	< 0.0037 U	< 0.0039 U	< 0.0030 U	< 0.0031 U	< 0.0021 U	< 0.0018 U

Notes:
VOC - Volatile Organic Compound.
All units are in milligrams per kilogram (mg/kg).
* - UTC-Developed criteria.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
R - Concentration rejected during validation.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).
Exceedances of UTC-Developed criteria are highlighted orange and presented with **Bold** text.

Table 3
VOC Screening Table
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria - Class A	Sanders Creek								
Sample ID		SDS8	SDS8 (Dup)	SDS8	SDS8 (Dup)	SDS8	SDS8 (Dup)	SDS9	SDS9	SDS9
Sample Date		11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013
Sample Interval (inches)		0 - 6	0 - 6	6 - 12	6 - 12	18 - 24	18 - 24	0 - 6	6 - 12	18 - 24
Chemical Name										
1,1,1,2-TETRACHLOROETHANE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 U	< 0.0083 U	< 0.0072 U
1,1,1-TRICHLOROETHANE	0.06*	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
1,1,2,2-TETRACHLOROETHANE	--	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 UJ	< 0.0033 U	< 0.0029 U
1,1,2-TRICHLOROETHANE	--	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
1,1-DICHLOROETHANE	0.0541*	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
1,1-DICHLOROETHENE	0.52	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
1,1-DICHLOROPROPENE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 U	< 0.0083 U	< 0.0072 U
1,2,3-TRICHLOROBENZENE	1.72*	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
1,2,3-TRICHLOROPROPANE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
1,2,4-TRICHLOROBENZENE	2.14*	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
1,2,4-TRIMETHYLBENZENE	3.4	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	0.00027 J	< 0.0055 U	0.00046 J	< 0.0083 U	< 0.0072 U
1,2-DIBROMO-3-CHLOROPROPANE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	--	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
1,2-DICHLOROBENZENE	0.28	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 UJ	< 0.0033 U	< 0.0029 U
1,2-DICHLOROETHANE	1.7	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
1,2-DICHLOROPROPANE	--	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
1,3,5-TRIMETHYLBENZENE (MESITYLENE)	0.832*	0.00048 J	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	0.00057 J	< 0.0083 U	< 0.0072 U
1,3-DICHLOROBENZENE	1.8	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 UJ	< 0.0033 U	< 0.0029 U
1,3-DICHLOROPROPANE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 U	< 0.0083 U	< 0.0072 U
1,4-DICHLOROBENZENE	0.72	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 UJ	< 0.0033 U	< 0.0029 U
2,2-DICHLOROPROPANE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 U	< 0.0083 U	< 0.0072 U
2-CHLOROTOLUENE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
4-CHLOROTOLUENE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
BENZENE	0.53	0.00070	0.00073	0.0014	0.0011	0.0011	0.00091	0.00090	0.00092	0.00094
BROMOBENZENE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
BROMOCHLOROMETHANE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 U	< 0.0083 U	< 0.0072 U
BROMODICHLOROMETHANE	--	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
BROMOFORM	--	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
BROMOMETHANE	--	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
CARBON TETRACHLORIDE	1.07	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
CHLOROBENZENE	0.2	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
CHLOROETHANE	--	< 0.0066 UJ	< 0.0058 UJ	< 0.0079 UJ	< 0.0066 UJ	< 0.0053 UJ	< 0.0055 UJ	< 0.0070 UJ	< 0.0083 UJ	< 0.0072 UJ
CHLOROFORM	0.000715*	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
CHLOROMETHANE	--	< 0.0066 UJ	< 0.0058 UJ	< 0.0079 UJ	< 0.0066 UJ	< 0.0053 UJ	< 0.0055 UJ	< 0.0070 UJ	< 0.0083 UJ	< 0.0072 UJ
CIS-1,2-DICHLOROETHYLENE	0.79*	< 0.0026 U	0.00086 J	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	0.0044	0.0033	0.0011 J
CYMENE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
DIBROMOCHLOROMETHANE	--	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
DIBROMOMETHANE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 U	< 0.0083 U	< 0.0072 U
DICHLORODIFLUOROMETHANE	--	< 0.0026 UJ	< 0.0023 UJ	< 0.0032 UJ	< 0.0026 UJ	< 0.0021 UJ	< 0.0022 UJ	< 0.0028 UJ	< 0.0033 UJ	< 0.0029 UJ
ETHYLBENZENE	0.43	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
HEXACHLOROBUTADIENE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
ISOPROPYLBENZENE (CUMENE)	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
M,P-XYLENE (SUM OF ISOMERS)	0.05	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
METHYLENE CHLORIDE	0.041	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
NAPHTHALENE	7.7	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
N-BUTYLBENZENE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
N-PROPYLBENZENE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
O-XYLENE (1,2-DIMETHYLBENZENE)	--	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
SEC-BUTYLBENZENE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
STYRENE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 U	< 0.0083 U	< 0.0072 U
T-BUTYLBENZENE	--	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 UJ	< 0.0083 U	< 0.0072 U
TERT-BUTYL METHYL ETHER	--	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
TETRACHLOROETHYLENE(PCE)	16	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
TOLUENE	0.93	< 0.0066 U	< 0.0058 U	< 0.0079 U	< 0.0066 U	< 0.0053 U	< 0.0055 U	< 0.0070 U	< 0.0083 U	< 0.0072 U
TRANS-1,2-DICHLOROETHENE	1.2	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
TRICHLOROETHYLENE (TCE)	1.8	0.0014 J	0.0017 J	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	0.0150	0.0090	0.0024 J
TRICHLOROFLUOROMETHANE	--	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U
VINYL CHLORIDE	--	< 0.0026 U	< 0.0023 U	< 0.0032 U	< 0.0026 U	< 0.0021 U	< 0.0022 U	< 0.0028 U	< 0.0033 U	< 0.0029 U

Notes:
VOC - Volatile Organic Compound.
All units are in milligrams per kilogram (mg/kg).
* - UTC-Developed criteria.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
R - Concentration rejected during validation.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).
Exceedances of UTC-Developed criteria are highlighted orange and presented with **Bold** text.

Table 4
SVOC Screening Table
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect		Transect A												Transect B								
Sample ID	NYSDEC Screening Criteria - Class A	SDA1	SDA1	SDA1	SDA2	SDA2	SDA2	SDA3	SDA3	SDA3	SDA4	SDA4	SDA4	SDB1	SDB1	SDB1	SDB2	SDB2 (Dup)	SDB2	SDB2	SDB4	SDB4	SDB4
Sample Date		11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/7/2013	11/7/2013	11/7/2013	11/8/2013	11/8/2013	11/8/2013	11/6/2013	11/6/2013	11/6/2013	11/7/2013	11/7/2013	11/7/2013	11/7/2013	11/7/2013	11/7/2013	11/7/2013
Sample Interval (inches)		0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24
Chemical Name																						
1,2,4-TRICHLOROBENZENE	2.14	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
1,2-DICHLOROBENZENE	0.28	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
1,3-DICHLOROBENZENE	1.8	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
1,4-DICHLOROBENZENE	0.72	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
2,4,5-TRICHLOROPHENOL	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
2,4,6-TRICHLOROPHENOL	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
2,4-DICHLOROPHENOL	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
2,4-DIMETHYLPHENOL	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
2,4-DINITROPHENOL	--	< 1.4 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.3 U	< 1.3 UJ	< 1.3 UJ	< 1.2 UJ	R	< 1.5 UJ	< 1.4 UJ	< 1.5 U	< 1.3 U	< 1.2 U	< 1.5 U	< 1.6 U	< 1.4 U	< 1.3 U	< 1.6 UJ	< 1.4 UJ	< 1.3 UJ
2,4-DINITROTOLUENE	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
2,6-DINITROTOLUENE	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
2-CHLORONAPHTHALENE	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
2-CHLOROPHENOL	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
2-METHYLNAPHTHALENE	0.586*	< 0.14 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.12 U	< 0.82 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.13 U	< 0.16 U	< 0.14 U	< 0.13 U
2-METHYLPHENOL (O-CRESOL)	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
2-NITROANILINE	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
2-NITROPHENOL	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
3,3'-DICHLOROBENZIDINE	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 UJ	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
3-NITROANILINE	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
4,6-DINITRO-2-METHYLPHENOL	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
4-BROMOPHENYL PHENYL ETHER	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
4-CHLORO-3-METHYLPHENOL	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
4-CHLOROANILINE	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 UJ	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
4-CHLOROPHENYL PHENYL ETHER	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
4-METHYLPHENOL (P-CRESOL)	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	0.0530 J	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
4-NITROANILINE	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
4-NITROPHENOL	--	< 1.4 UJ	< 1.2 UJ	< 1.2 UJ	< 1.2 UJ	< 1.2 UJ	< 1.3 UJ	< 1.3 U	< 1.3 U	< 1.2 U	< 8.2 U	< 1.5 U	< 1.4 U	< 1.5 UJ	< 1.3 UJ	< 1.2 UJ	< 1.5 U	< 1.6 U	< 1.4 U	< 1.3 U	< 1.6 U	< 1.4 U	< 1.3 U
ACENAPHTHENE	9.82	< 0.14 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.12 U	< 0.82 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.13 U	< 0.16 U	< 0.14 U	< 0.13 U
ACENAPHTHYLENE	9.04	0.0369 J	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.12 U	0.292 J	< 0.15 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.13 U	< 0.16 U	< 0.14 U	< 0.13 U
ANTHRACENE	11.88	< 0.14 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.12 U	0.258 J	0.0464 J	< 0.14 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.13 U	< 0.16 U	< 0.14 U	< 0.13 U
BENZO(A)ANTHRACENE	16.82	0.0873 J	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.13 U	0.0193 J	< 0.12 U	0.584 J	0.164	< 0.14 U	0.0389 J	< 0.13 U	< 0.12 U	0.0542 J	0.0553 J	< 0.14 U	< 0.13 U	< 0.16 U	< 0.14 U	< 0.13 U
BENZO(A)PYRENE	19.28	0.183	< 0.12 U	< 0.12 U	0.0918 J	0.0899 J	0.0989 J	< 0.13 U	< 0.13 U	< 0.12 U	0.657 J	0.158	< 0.14 U	0.127 J	0.0887 J	0.0821 J	0.0615 J	0.0539 J	< 0.14 U	< 0.13 U	0.0395 J	< 0.14 U	< 0.13 U
BENZO(B)FLUORANTHENE	19.58	0.161	< 0.12 U	< 0.12 U	0.0719 J	0.0712 J	0.0819 J	< 0.13 U	< 0.13 U	< 0.12 U	0.736 J	0.154	< 0.14 U	0.113 J	0.0709 J	< 0.12 U	0.0564 J	0.0647 J	< 0.14 U	< 0.13 U	0.0488 J	< 0.14 U	< 0.13 U
BENZO(G,H,I)PERYLENE	21.9	0.164	< 0.12 U	< 0.12 U	0.0667 J	0.0653 J	0.0715 J	< 0.13 U	< 0.13 U	< 0.12 U	0.623 J	0.109 J	< 0.14 U	0.0928 J	0.0623 J	0.0570 J	< 0.15 U	< 0.16 U	< 0.14 U	< 0.13 U	0.0251 J	< 0.14 U	< 0.13 U
BENZO(K)FLUORANTHENE	19.6	0.105 J	< 0.12 U	< 0.12 U	0.0299 J	< 0.12 U	0.0265 J	< 0.13 U	< 0.13 U	< 0.12 U	0.557 J	0.128 J	< 0.14 U	0.0422 J	< 0.13 U	< 0.12 U	0.0514 J	0.0320 J	< 0.14 U	< 0.13 U	0.0303 J	< 0.14 U	< 0.13 U
BENZYL BUTYL PHTHALATE	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
BIS(2-CHLOROETHOXY) METHANE	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
BIS(2-CHLOROISOPROPYL) ETHER	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 UJ	< 0.39 UJ	< 0.35 UJ	< 0.32 UJ	< 0.4 U	< 0.35 U	< 0.31 U
BIS(2-ETHYLHEXYL) PHTHALATE	180*	< 0.35 U	< 0.3 U	0.0301 J	< 0.3 U	< 0.31 U	0.0497 J	< 0.33 U	0.0165 J	< 0.3 U	0.103 J	0.0632 J	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	0.0865 J	0.133 J	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
CARBAZOLE	--	< 0.14 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.12 U	< 0.82 U	0.0269 J	< 0.14 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.13 U	< 0.16 U	< 0.14 U	< 0.13 U
CHRYSENE	16.86	0.101 J	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.13 U	0.0167 J	0.0187 J	< 0.12 U	0.786 J	0.184	< 0.14 U	0.0416 J	< 0.13 U	< 0.12 U	0.0686 J	0.0503 J	< 0.14 U	< 0.13 U	0.0530 J	< 0.14 U	< 0.13 U
DIBENZ(A,H)ANTHRACENE	22.44	0.118 J	< 0.12 U	< 0.12 U	< 0.12 U	0.0844 J	0.0880 J	< 0.13 U	< 0.13 U	< 0.12 U	0.168 J	0.0330 J	< 0.14 U	0.107 J	< 0.13 U	< 0.12 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.13 U	< 0.16 U	< 0.14 U	< 0.13 U
DIBENZOFURAN	0.831*	< 0.14 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.12 U	< 0.82 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.13 U	< 0.16 U	< 0.14 U	< 0.13 U
DIETHYL PHTHALATE	1.21*	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
DIMETHYL PHTHALATE	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
DI-N-BUTYL PHTHALATE	6.47*	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	0.0551 J	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
DI-N-OCTYLPHTHALATE	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
FLUORANTHENE	14.16	0.163	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.13 U	0.0337 J	0.0357 J	< 0.12 U	1.11	0.335	< 0.14 U	0.0758 J	< 0.13 U	< 0.12 U	0.133 J	0.0979 J	0.0405 J	< 0.13 U	0.0814 J	0.0339 J	< 0.13 U
FLUORENE	10.78	< 0.14 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.12 U	< 0.82 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.13 U	< 0.16 U	< 0.14 U	< 0.13 U
HEXACHLOROBENZENE	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
HEXACHLOROBUTADIENE	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 UJ	< 0.39 UJ	< 0.35 UJ	< 0.32 UJ	< 0.4 U	< 0.35 U	< 0.31 U
HEXACHLOROCYCLOPENTADIENE	--	< 0.7 U	< 0.61 U	< 0.58 U	< 0.61 U	< 0.62 U	< 0.64 U	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 UJ	< 0.73 U	< 0.71 U	< 0.76 U	< 0.64 U	< 0.62 U	< 0.77 UJ	< 0.79 UJ	< 0.7 UJ	< 0.64 UJ	< 0.8 U	< 0.71 U	< 0.63 U
HEXACHLOROETHANE	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
INDENO(1,2,3-C,D)PYRENE	22.3	0.162	< 0.12 U	< 0.12 U	0.0804 J	0.0801 J	0.0882 J	< 0.13 U	< 0.13 U	< 0.12 U	0.535 J	0.0972 J	< 0.14 U	0.111 J	0.0795 J	0.0748 J	< 0.15 U	< 0.16 U	< 0.14 U	< 0.13 U	< 0.16 U	< 0.14 U	< 0.13 U
ISOPHORONE	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
NAPHTHALENE	7.7	< 0.14 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.12 U	< 0.82 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.16 U	< 0.14 U	< 0.13 U	< 0.16 U	< 0.14 U	< 0.13 U
NITROBENZENE	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
N-NITROSODI-N-PROPYLAMINE	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
N-NITROSODIPHENYLAMINE	--	< 0.35 U	< 0.3 U	< 0.29 U	0.0224 J	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
PENTACHLOROPHENOL	14	< 0.7 UJ	< 0.61 UJ	< 0.58 UJ	< 0.61 UJ	< 0.62 UJ	< 0.64 UJ	< 0.65 U	< 0.63 U	< 0.6 U	< 4.1 U	< 0.73 U	< 0.71 U	< 0.76 UJ	< 0.64 UJ	< 0.62 UJ	< 0.77 U	< 0.79 U	< 0.7 U	< 0.64 U	< 0.8 U	< 0.71 U	< 0.63 U
PHENANTHRENE	11.94	0.0688 J	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.13 U	0.0202 J	0.0258 J	< 0.12 U	0.663 J	0.193	< 0.14 U	0.0384 J	< 0.13 U	< 0.12 U	0.0773 J	0.0629 J	< 0.14 U	< 0.13 U	0.0488 J	< 0.14 U	< 0.13 U
PHENOL	--	< 0.35 U	< 0.3 U	< 0.29 U	< 0.3 U	< 0.31 U	< 0.32 U	< 0.33 U	< 0.32 U	< 0.3 U	< 2.1 U	< 0.36 U	< 0.35 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.35 U	< 0.32 U	< 0.4 U	< 0.35 U	< 0.31 U
PYRENE	13.96	0.156	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.13 U	0.0270 J	0.0353 J	< 0.12 U	1.02	0.295	< 0.14 U	0.0641 J	< 0.13 U	< 0.12 U	0.116 J	0.0876 J	< 0.14 U	< 0.13 U	0.0695 J	0.0247 J	< 0.13 U

Notes:
SVOC - Semi-Volatile Organic Compound.
All units are in milligrams per kilogram (mg/kg).
* - UTC-Developed criteria.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
R - Concentration rejected during validation.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 4
SVOC Screening Table
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect		Transect C														Transect D								
Sample ID	NYSDEC	SDC1	SDC1	SDC1	SDC2	SDC2	SDC2	SDC3	SDC3	SDC3	SDC4	SDC4	SDC4	SDC5	SDC5	SDC5	SDD1	SDD1	SDD1	SDD2	SDD2	SDD2	SDD3	SDD3	SDD3
Sample Date	Screening	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/8/2013	11/8/2013	11/8/2013	11/7/2013	11/7/2013	11/7/2013	11/6/2013	11/6/2013	11/6/2013	11/7/2013	11/7/2013	11/7/2013	11/8/2013	11/8/2013	11/8/2013
Sample Interval (inches)	Criteria -	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24
Chemical Name	Class A																							
1,2,4-TRICHLOROBENZENE	2.14	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
1,2-DICHLOROBENZENE	0.28	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
1,3-DICHLOROBENZENE	1.8	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
1,4-DICHLOROBENZENE	0.72	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
2,4,5-TRICHLOROPHENOL	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
2,4,6-TRICHLOROPHENOL	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
2,4-DICHLOROPHENOL	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
2,4-DIMETHYLPHENOL	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
2,4-DINITROPHENOL	--	< 1.7 U	< 1.4 UJ	< 1.4 UJ	< 1.4 UJ	< 1.2 UJ	< 1.2 UJ	< 1.3 UJ	< 1.2 UJ	< 1.2 UJ	< 1.6 UJ	< 1.3 UJ	< 1.3 UJ	< 1.7 UJ	< 1.5 UJ	< 1.2 UJ	< 1.5 UJ	< 1.3 UJ	< 1.2 UJ	< 1.4 U	< 1.3 U	< 1.4 U	< 1.3 UJ	< 1.2 UJ	< 1.2 UJ
2,4-DINITROTOLUENE	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
2,6-DINITROTOLUENE	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
2-CHLORONAPHTHALENE	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
2-CHLOROPHENOL	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
2-METHYLNAPHTHALENE	0.586*	< 0.17 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.16 U	< 0.13 U	< 0.13 U	< 0.17 U	< 0.15 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
2-METHYLPHENOL (O-CRESOL)	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
2-NITROANILINE	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
2-NITROPHENOL	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
3,3'-DICHLOROBENZIDINE	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
3-NITROANILINE	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
4,6-DINITRO-2-METHYLPHENOL	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
4-BROMOPHENYL PHENYL ETHER	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
4-CHLORO-3-METHYLPHENOL	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	0.103 J	< 0.61 U	< 0.61 U
4-CHLOROANILINE	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
4-CHLOROPHENYL PHENYL ETHER	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
4-METHYLPHENOL (P-CRESOL)	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
4-NITROANILINE	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
4-NITROPHENOL	--	< 1.7 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.2 U	< 1.2 U	< 1.3 U	< 1.2 U	< 1.2 U	< 1.6 U	< 1.3 U	< 1.3 U	< 1.7 U	< 1.5 U	< 1.2 U	< 1.5 U	< 1.3 U	< 1.2 U	< 1.4 U	< 1.3 U	< 1.4 U	< 1.3 U	< 1.2 U	< 1.2 U
ACENAPHTHENE	9.82	< 0.17 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.16 U	< 0.13 U	< 0.13 U	< 0.17 U	< 0.15 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
ACENAPHTHYLENE	9.04	< 0.17 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.16 U	< 0.13 U	< 0.13 U	< 0.17 U	< 0.15 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
ANTHRACENE	11.88	< 0.17 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.16 U	< 0.13 U	< 0.13 U	< 0.17 U	< 0.15 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
BENZO(A)ANTHRACENE	16.82	0.0753 J	< 0.14 U	< 0.14 U	0.0270 J	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	0.0351 J	< 0.13 U	< 0.13 U	0.0505 J	0.0235 J	< 0.12 U	0.0738 J	< 0.13 U	< 0.12 U	0.0496 J	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
BENZO(A)PYRENE	19.28	0.184	< 0.14 U	< 0.14 U	0.0310 J	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.16 U	< 0.13 U	< 0.13 U	0.0411 J	< 0.15 U	< 0.12 U	0.0703 J	< 0.13 U	< 0.12 U	0.0516 J	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
BENZO(B)FLUORANTHENE	19.58	0.165 J	< 0.14 U	< 0.14 U	0.0334 J	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.16 U	< 0.13 U	< 0.13 U	0.0466 J	< 0.15 U	< 0.12 U	0.0709 J	< 0.13 U	< 0.12 U	0.0492 J	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
BENZO(G,H,I)PERYLENE	21.9	0.132 J	< 0.14 U	< 0.14 U	0.0155 J	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.16 U	< 0.13 U	< 0.13 U	0.0291 J	< 0.15 U	< 0.12 U	0.0499 J	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
BENZO(K)FLUORANTHENE	19.6	0.0855 J	< 0.14 U	< 0.14 U	0.0309 J	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.16 U	< 0.13 U	< 0.13 U	0.0425 J	< 0.15 U	< 0.12 U	0.0668 J	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
BENZYL BUTYL PHTHALATE	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
BIS(2-CHLOROETHOXY) METHANE	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
BIS(2-CHLOROISOPROPYL) ETHER	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 UJ	< 0.31 UJ	< 0.34 UJ	< 0.33 U	< 0.31 U	< 0.31 U
BIS(2-ETHYLHEXYL) PHTHALATE	180*	0.0486 J	0.0182 J	< 0.34 U	0.0333 J	< 0.31 U	0.0175 J	< 0.32 U	< 0.29 U	< 0.29 U	0.0381 J	0.0420 J	< 0.33 U	0.0391 J	< 0.38 U	< 0.3 U	0.0407 J	< 0.32 U	< 0.3 U	0.0597 J	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
CARBAZOLE	--	< 0.17 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.16 U	< 0.13 U	< 0.13 U	< 0.17 U	< 0.15 U	< 0.12 U	0.0199 J	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
CHRYSENE	16.86	0.0952 J	< 0.14 U	< 0.14 U	0.0304 J	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	0.0410 J	< 0.13 U	< 0.13 U	0.0563 J	0.0254 J	< 0.12 U	0.0942 J	< 0.13 U	< 0.12 U	0.0570 J	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
DIBENZ(A,H)ANTHRACENE	22.44	0.131 J	< 0.14 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.16 U	< 0.13 U	< 0.13 U	< 0.17 U	< 0.15 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
DIBENZOFURAN	0.831*	< 0.17 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.16 U	< 0.13 U	< 0.13 U	< 0.17 U	< 0.15 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
DIETHYL PHTHALATE	1.21*	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
DIMETHYL PHTHALATE	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
DI-N-BUTYL PHTHALATE	6.47*	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	0.0735 J	0.0628 J	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	0.0362 J
DI-N-OCTYLPHTHALATE	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
FLUORANTHENE	14.16	0.172	0.0308 J	< 0.14 U	0.0602 J	< 0.12 U	< 0.12 U	0.0330 J	< 0.12 U	< 0.12 U	0.0748 J	< 0.13 U	< 0.13 U	0.114 J	0.0566 J	< 0.12 U	0.165	< 0.13 U	< 0.12 U	0.0966 J	< 0.13 U	< 0.14 U	0.0515 J	< 0.12 U	< 0.12 U
FLUORENE	10.78	< 0.17 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.16 U	< 0.13 U	< 0.13 U	< 0.17 U	< 0.15 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
HEXACHLOROBENZENE	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
HEXACHLOROBUTADIENE	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 UJ	< 0.31 UJ	< 0.34 UJ	< 0.33 U	< 0.31 U	< 0.31 U
HEXACHLOROCYCLOPENTADIENE	--	< 0.83 U	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 UJ	< 0.63 UJ	< 0.68 UJ	< 0.67 U	< 0.61 U	< 0.61 U
HEXACHLOROETHANE	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
INDENO(1,2,3-C,D)PYRENE	22.3	0.146 J	< 0.14 U	< 0.14 U	0.0227 J	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.16 U	< 0.13 U	< 0.13 U	0.0341 J	< 0.15 U	< 0.12 U	0.0451 J	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
ISOPHORONE	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
NAPHTHALENE	7.7	< 0.17 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.12 U	< 0.12 U	< 0.16 U	< 0.13 U	< 0.13 U	< 0.17 U	< 0.15 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
NITROBENZENE	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
N-NITROSODI-N-PROPYLAMINE	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
N-NITROSODIPHENYLAMINE	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
PENTACHLOROPHENOL	14	< 0.83 UJ	< 0.72 U	< 0.69 U	< 0.72 U	< 0.61 U	< 0.59 U	< 0.64 U	< 0.59 U	< 0.59 U	< 0.8 U	< 0.66 U	< 0.65 U	< 0.85 U	< 0.76 U	< 0.61 U	< 0.77 U	< 0.64 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.68 U	< 0.67 U	< 0.61 U	< 0.61 U
PHENANTHRENE	11.94	0.0808 J	0.0194 J	< 0.14 U	0.0392 J	< 0.12 U	< 0.12 U	0.0186 J	< 0.12 U	< 0.12 U	0.0445 J	< 0.13 U	< 0.13 U	0.0555 J	0.0268 J	< 0.12 U	0.0935 J	< 0.13 U	< 0.12 U	0.0586 J	< 0.13 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.12 U
PHENOL	--	< 0.42 U	< 0.36 U	< 0.34 U	< 0.36 U	< 0.31 U	< 0.3 U	< 0.32 U	< 0.29 U	< 0.29 U	< 0.4 U	< 0.33 U	< 0.33 U	< 0.42 U	< 0.38 U	< 0.3 U	< 0.38 U	< 0.32 U	< 0.3 U	< 0.36 U	< 0.31 U	< 0.34 U	< 0.33 U	< 0.31 U	< 0.31 U
PYRENE	13.96	0.139 J	0.0201 J	< 0.14 U	0.0516 J	< 0.12 U	< 0.12 U	0.0301 J	< 0.12 U	< 0.12 U	0.0671 J	< 0.13 U	< 0.13 U	0.0913 J	0.0413 J	< 0.12 U	0.135 J	< 0.13 U	< 0.12 U	0.0869 J	< 0.13 U	< 0.14 U	0.0431 J	< 0.12 U	< 0.12 U

Notes:
SVOC - Semi-Volatile Organic Compound.
All units are in milligrams per kilogram (mg/kg).
* - UTC-Developed criteria.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
R - Concentration rejected during validation.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 4
SVOC Screening Table
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect		Transect E												Transect F										
Sample ID	NYSDEC	SDE1	SDE1	SDE1	SDE2	SDE2	SDE2	SDE3	SDE3	SDE3	SDE4	SDE4	SDE4	SDF1	SDF1	SDF1	SDF2	SDF2	SDF2	SDF3	SDF3	SDF3	SDF4	SDF4	SDF4
Sample Date	Screening	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/8/2013	11/8/2013	11/8/2013	11/8/2013	11/8/2013	11/8/2013	11/4/2013	11/4/2013	11/4/2013	11/7/2013	11/7/2013	11/7/2013	11/8/2013	11/8/2013	11/8/2013	11/8/2013	11/8/2013	11/8/2013
Sample Interval (inches)	Criteria -	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24
Chemical Name	Class A																							
1,2,4-TRICHLOROBENZENE	2.14	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
1,2-DICHLOROBENZENE	0.28	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
1,3-DICHLOROBENZENE	1.8	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
1,4-DICHLOROBENZENE	0.72	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
2,4,5-TRICHLOROPHENOL	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
2,4,6-TRICHLOROPHENOL	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
2,4-DICHLOROPHENOL	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
2,4-DIMETHYLPHENOL	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
2,4-DINITROPHENOL	--	< 1.5 UJ	< 1.3 UJ	< 1.2 UJ	< 1.5 UJ	< 1.3 UJ	< 1.2 UJ	< 1.4 UJ	< 1.3 UJ	< 1.2 UJ	< 1.5 UJ	< 1.7 UJ	< 1.9 UJ	< 6.7 U	< 1.2 U	< 1.3 U	< 1.5 U	< 1.4 U	< 1.2 U	< 1.4 UJ	< 1.2 UJ	< 1.4 UJ	< 1.6 UJ	< 1.3 UJ	< 1.2 UJ
2,4-DINITROTOLUENE	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
2,6-DINITROTOLUENE	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
2-CHLORONAPHTHALENE	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
2-CHLOROPHENOL	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
2-METHYLNAPHTHALENE	0.586*	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.12 U	0.0827 J	0.0344 J	0.0400 J	< 0.67 U	< 0.12 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.16 U	< 0.13 U	< 0.12 U
2-METHYLPHENOL (O-CRESOL)	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
2-NITROANILINE	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
2-NITROPHENOL	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
3,3'-DICHLOROBENZIDINE	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
3-NITROANILINE	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
4,6-DINITRO-2-METHYLPHENOL	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
4-BROMOPHENYL PHENYL ETHER	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
4-CHLORO-3-METHYLPHENOL	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
4-CHLOROANILINE	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
4-CHLOROPHENYL PHENYL ETHER	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
4-METHYLPHENOL (P-CRESOL)	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
4-NITROANILINE	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
4-NITROPHENOL	--	< 1.5 U	< 1.3 U	< 1.2 U	< 1.5 U	< 1.3 U	< 1.2 U	< 1.4 U	< 1.3 U	< 1.2 U	< 1.5 U	< 1.7 U	< 1.9 U	< 6.7 U	< 1.2 U	< 1.3 U	< 1.5 U	< 1.4 U	< 1.2 U	< 1.4 U	< 1.2 U	< 1.4 U	< 1.6 U	< 1.3 U	< 1.2 U
ACENAPHTHENE	9.82	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.17 U	< 0.19 U	< 0.67 U	< 0.12 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.16 U	< 0.13 U	< 0.12 U
ACENAPHTHYLENE	9.04	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.12 U	0.0156 J	< 0.17 U	< 0.19 U	< 0.67 U	< 0.12 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.16 U	< 0.13 U	< 0.12 U
ANTHRACENE	11.88	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.12 U	0.0193 J	< 0.17 U	< 0.19 U	< 0.67 U	< 0.12 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.16 U	< 0.13 U	< 0.12 U
BENZO(A)ANTHRACENE	16.82	0.0476 J	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	0.0300 J	< 0.13 U	< 0.12 U	0.0804 J	0.0727 J	0.0697 J	< 0.67 U	< 0.12 U	< 0.13 U	0.0588 J	< 0.14 U	< 0.12 U	0.0341 J	< 0.12 U	< 0.14 U	0.0835 J	< 0.13 U	< 0.12 U
BENZO(A)PYRENE	19.28	0.0450 J	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.12 U	0.0748 J	0.0618 J	0.0570 J	< 0.67 U	< 0.12 U	< 0.13 U	0.0640 J	< 0.14 U	< 0.12 U	0.0296 J	< 0.12 U	< 0.14 U	0.0751 J	< 0.13 U	< 0.12 U
BENZO(B)FLUORANTHENE	19.58	0.0465 J	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.12 U	0.0623 J	0.0646 J	0.0642 J	< 0.67 U	< 0.12 U	< 0.13 U	0.0742 J	< 0.14 U	< 0.12 U	0.0279 J	< 0.12 U	< 0.14 U	0.0661 J	< 0.13 U	< 0.12 U
BENZO(G,H,I)PERYLENE	21.9	0.0291 J	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.12 U	0.0531 J	0.0468 J	0.0464 J	< 0.67 U	< 0.12 U	< 0.13 U	0.0398 J	< 0.14 U	< 0.12 U	0.0178 J	< 0.12 U	< 0.14 U	0.0506 J	< 0.13 U	< 0.12 U
BENZO(K)FLUORANTHENE	19.6	0.0467 J	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.12 U	0.0723 J	0.0555 J	0.0462 J	< 0.67 U	< 0.12 U	< 0.13 U	0.0469 J	< 0.14 U	< 0.12 U	0.0234 J	< 0.12 U	< 0.14 U	0.0732 J	< 0.13 U	< 0.12 U
BENZYL BUTYL PHTHALATE	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	0.0147 J	< 0.31 U	< 0.36 U	0.0213 J	< 0.32 U	0.0131 J
BIS(2-CHLOROETHOXY) METHANE	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
BIS(2-CHLOROISOPROPYL) ETHER	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 UJ	< 0.35 UJ	< 0.3 UJ	< 0.34 U	< 0.31 U	< 0.36 UJ	< 0.41 U	< 0.32 U	< 0.31 U
BIS(2-ETHYLHEXYL) PHTHALATE	180*	0.0462 J	0.0165 J	0.0276 J	0.0558 J	0.0468 J	0.0715 J	< 0.35 U	< 0.32 U	< 0.31 U	0.0487 J	0.0486 J	0.0428 J	< 1.7 U	< 0.3 U	< 0.33 U	0.0585 J	< 0.35 U	< 0.3 U	0.0246 J	< 0.31 U	< 0.36 U	0.0329 J	0.0161 J	< 0.31 U
CARBAZOLE	--	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.12 U	0.0188 J	< 0.17 U	< 0.19 U	< 0.67 U	< 0.12 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.16 U	< 0.13 U	< 0.12 U
CHRYSENE	16.86	0.0619 J	< 0.13 U	< 0.12 U	0.0299 J	< 0.13 U	< 0.12 U	0.0394 J	< 0.13 U	< 0.12 U	0.0967 J	0.0823 J	0.0813 J	< 0.67 U	< 0.12 U	< 0.13 U	0.0736 J	< 0.14 U	< 0.12 U	0.0350 J	< 0.12 U	< 0.14 U	0.0909 J	< 0.13 U	< 0.12 U
DIBENZ(A,H)ANTHRACENE	22.44	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.17 U	< 0.19 U	< 0.67 U	< 0.12 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.16 U	< 0.13 U	< 0.12 U
DIBENZOFURAN	0.831*	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.12 U	0.0275 J	< 0.17 U	< 0.19 U	< 0.67 U	< 0.12 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.16 U	< 0.13 U	< 0.12 U
DIETHYL PHTHALATE	1.21*	0.191 J	< 0.32 U	< 0.29 U	0.0199 J	0.0174 J	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
DIMETHYL PHTHALATE	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
DI-N-BUTYL PHTHALATE	6.47*	0.0457 J	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
DI-N-OCTYLPHTHALATE	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
FLUORANTHENE	14.16	0.119 J	< 0.13 U	0.0178 J	0.0572 J	0.0456 J	< 0.12 U	0.0737 J	0.0481 J	< 0.12 U	0.178	0.144 J	0.128 J	< 0.67 U	< 0.12 U	< 0.13 U	0.152	0.0346 J	< 0.12 U	0.0661 J	< 0.12 U	0.0214 J	0.171	< 0.13 U	< 0.12 U
FLUORENE	10.78	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.17 U	< 0.19 U	< 0.67 U	< 0.12 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.16 U	< 0.13 U	< 0.12 U
HEXACHLOROBENZENE	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
HEXACHLOROBUTADIENE	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 UJ	< 0.35 UJ	< 0.3 UJ	< 0.34 U	< 0.31 U	< 0.36 UJ	< 0.41 U	< 0.32 U	< 0.31 U
HEXACHLOROCYCLOPENTADIENE	--	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 UJ	< 0.7 UJ	< 0.59 UJ	< 0.68 U	< 0.62 U	< 0.71 UJ	< 0.81 U	< 0.64 U	< 0.62 U
HEXACHLOROETHANE	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
INDENO(1,2,3-C,D)PYRENE	22.3	0.0271 J	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.12 U	0.0474 J	0.0401 J	0.0366 J	< 0.67 U	< 0.12 U	< 0.13 U	0.0404 J	< 0.14 U	< 0.12 U	0.0175 J	< 0.12 U	< 0.14 U	0.0474 J	< 0.13 U	< 0.12 U
ISOPHORONE	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.28 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
NAPHTHALENE	7.7	< 0.15 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.12 U	0.0457 J	< 0.17 U	< 0.19 U	< 0.67 U	< 0.12 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.12 U	< 0.14 U	< 0.16 U	< 0.13 U	< 0.12 U
NITROBENZENE	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
N-NITROSODI-N-PROPYLAMINE	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
N-NITROSODIPHENYLAMINE	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.34 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
PENTACHLOROPHENOL	14	< 0.75 U	< 0.63 U	< 0.58 U	< 0.75 U	< 0.66 U	< 0.6 U	< 0.71 U	< 0.63 U	< 0.61 U	< 0.76 U	< 0.86 U	< 0.94 U	< 3.4 U	< 0.59 U	< 0.66 U	< 0.73 U	< 0.7 U	< 0.59 U	< 0.68 U	< 0.62 U	< 0.71 U	< 0.81 U	< 0.64 U	< 0.62 U
PHENANTHRENE	11.94	0.0680 J	< 0.13 U	< 0.12 U	0.0370 J	0.0294 J	< 0.12 U	0.0466 J	< 0.13 U	< 0.12 U	0.143 J	0.0871 J	0.0908 J	< 0.67 U	< 0.12 U	< 0.13 U	0.0874 J	0.0242 J	< 0.12 U	0.0385 J	< 0.12 U	< 0.14 U	0.0928 J	< 0.13 U	< 0.12 U
PHENOL	--	< 0.37 U	< 0.32 U	< 0.29 U	< 0.38 U	< 0.33 U	< 0.3 U	< 0.35 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.43 U	< 0.47 U	< 1.7 U	< 0.3 U	< 0.33 U	< 0.37 U	< 0.35 U	< 0.3 U	< 0.24 U	< 0.31 U	< 0.36 U	< 0.41 U	< 0.32 U	< 0.31 U
PYRENE	13.96	0.0988 J	< 0.13 U	< 0.12 U	0.0449 J	0.0355 J	< 0.12 U	0.0665 J	0.0411 J	< 0.12 U	0.154	0.122 J	0.115 J	< 0.67 U	< 0.12 U	< 0.13 U	0.115 J	< 0.14 U	< 0.12 U	0.0583 J	< 0.12 U	0.0190 J	0.147 J	< 0.13 U	< 0.12 U

Notes:
SVOC - Semi-Volatile Organic Compound.
All units are in milligrams per kilogram (mg/kg).
* - UTC-Developed criteria.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
R - Concentration rejected during validation.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 4
SVOC Screening Table
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria - Class A	Transect G						Transect H									Transect I											
Sample ID		SDG1	SDG1	SDG1	SDG2	SDG2	SDG2	SDH1	SDH1	SDH1	SDH2	SDH2	SDH2	SDH3	SDH3	SDH3	SDI1	SDI1 (Dup)	SDI1	SDI1 (Dup)	SDI1	SDI1 (Dup)	SDI2	SDI2	SDI2	SDI3	SDI3	SDI3
Sample Date		11/6/2013	11/6/2013	11/6/2013	11/7/2013	11/7/2013	11/7/2013	11/6/2013	11/6/2013	11/6/2013	11/7/2013	11/7/2013	11/7/2013	11/7/2013	11/7/2013	11/7/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/6/2013	11/7/2013	11/7/2013	11/7/2013	11/5/2013	11/5/2013	11/5/2013
Sample Interval (inches) / Chemical Name		0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	0 - 6	6 - 12	6 - 12	18 - 24	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24
1,2,4-TRICHLOROBENZENE	2.14	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
1,2-DICHLOROBENZENE	0.28	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
1,3-DICHLOROBENZENE	1.8	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
1,4-DICHLOROBENZENE	0.72	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
2,4,5-TRICHLOROPHENOL	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
2,4,6-TRICHLOROPHENOL	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
2,4-DICHLOROPHENOL	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
2,4-DIMETHYLPHENOL	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
2,4-DINITROPHENOL	--	R	< 1.2 UJ	R	< 1.4 U	< 1.4 U	< 1.2 U	< 3.5 U	< 1.3 U	< 1.2 U	< 1.5 U	< 1.3 UJ	< 1.3 UJ	< 2.9 UJ	< 1.4 UJ	< 1.3 UJ	< 1.5 U	< 1.5 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 9.7 UJ	< 4.3 UJ	R	< 1.7 U	< 1.4 U	< 1.3 U
2,4-DINITROTOLUENE	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
2,6-DINITROTOLUENE	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
2-CHLORONAPHTHALENE	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
2-CHLOROPHENOL	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
2-METHYLNAPHTHALENE	0.586*	< 0.14 U	< 0.12 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.35 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.29 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.97 U	< 0.43 U	0.118 J	< 0.17 U	< 0.14 U	< 0.13 U
2-METHYLPHENOL (O-CRESOL)	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
2-NITROANILINE	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
2-NITROPHENOL	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
3,3'-DICHLOROBENZIDINE	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
3-NITROANILINE	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
4,6-DINITRO-2-METHYLPHENOL	--	< 0.72 UJ	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
4-BROMOPHENYL PHENYL ETHER	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
4-CHLORO-3-METHYLPHENOL	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
4-CHLOROANILINE	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
4-CHLOROPHENYL PHENYL ETHER	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
4-METHYLPHENOL (P-CRESOL)	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	0.106 J	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
4-NITROANILINE	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
4-NITROPHENOL	--	< 1.4 UJ	< 1.2 UJ	< 1.2 U	< 1.4 U	< 1.4 U	< 1.2 U	< 3.5 UJ	< 1.3 UJ	< 1.2 UJ	< 1.5 U	< 1.3 U	< 1.3 U	< 2.9 U	< 1.4 U	< 1.3 U	< 1.5 U	< 1.5 U	< 1.3 U	< 1.3 UJ	< 1.3 U	< 1.3 UJ	< 9.7 U	< 4.3 U	R	< 1.7 U	< 1.4 U	< 1.3 U
ACENAPHTHENE	9.82	< 0.14 U	< 0.12 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.35 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.29 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.97 U	< 0.43 U	R	< 0.17 U	< 0.14 U	< 0.13 U
ACENAPHTHYLENE	9.04	< 0.14 U	< 0.12 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.35 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.29 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.97 U	< 0.43 U	R	< 0.17 U	< 0.14 U	< 0.13 U
ANTHRACENE	11.88	< 0.14 U	< 0.12 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.35 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.29 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.97 U	< 0.43 U	R	< 0.17 U	< 0.14 U	< 0.13 U
BENZO(A)ANTHRACENE	16.82	0.0265 J	< 0.12 U	< 0.12 U	0.0376 J	< 0.14 U	< 0.12 U	0.168 J	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.29 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.97 U	0.127 J	R	< 0.17 U	< 0.14 U	< 0.13 U
BENZO(A)PYRENE	19.28	0.113 J	0.0859 J	< 0.12 U	0.0409 J	< 0.14 U	< 0.12 U	0.37	0.0866 J	< 0.12 U	0.0404 J	< 0.13 U	< 0.13 U	< 0.29 U	0.0172 J	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	0.0849 J	< 0.13 U	< 0.13 U	< 0.97 U	0.161 J	R	< 0.17 U	< 0.14 U	< 0.13 U
BENZO(B)FLUORANTHENE	19.58	0.0879 J	0.0667 J	< 0.12 U	0.0524 J	< 0.14 U	< 0.12 U	0.33 J	0.0644 J	< 0.12 U	0.0382 J	< 0.13 U	< 0.13 U	< 0.29 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	0.0649 J	< 0.13 U	< 0.13 U	< 0.97 U	0.145 J	R	< 0.17 U	< 0.14 U	< 0.13 U
BENZO(G,H,I)PERYLENE	21.9	0.0803 J	0.0609 J	< 0.12 U	< 0.14 U	< 0.14 U	< 0.12 U	0.275 J	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.29 U	0.0154 J	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	0.0603 J	< 0.13 U	< 0.13 U	< 0.97 U	0.106 J	R	< 0.17 U	< 0.14 U	< 0.13 U
BENZO(K)FLUORANTHENE	19.6	0.0383 J	< 0.12 U	< 0.12 U	0.0266 J	< 0.14 U	< 0.12 U	0.173 J	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.29 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.97 U	0.131 J	R	< 0.17 U	< 0.14 U	< 0.13 U
BENZYL BUTYL PHTHALATE	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	0.0229 J	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
BIS(2-CHLOROETHOXY) METHANE	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
BIS(2-CHLOROISOPROPYL) ETHER	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 UJ	< 0.35 UJ	< 0.3 UJ	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 UJ	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
BIS(2-ETHYLHEXYL) PHTHALATE	180*	0.145 J	< 0.31 U	0.0225 J	< 0.36 U	0.0352 J	< 0.3 U	0.0925 J	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	0.0512 J	0.0227 J	< 0.31 U	0.0227 J	0.0154 J	0.0135 J	< 0.32 U	0.0137 J	< 0.32 U	< 2.4 U	< 1.1 U	0.0653 J	< 0.43 U	< 0.34 U	< 0.33 U
CARBAZOLE	--	< 0.14 U	< 0.12 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.35 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.29 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.97 U	< 0.43 U	R	< 0.17 U	< 0.14 U	< 0.13 U
CHRYSENE	16.86	0.0277 J	< 0.12 U	< 0.12 U	0.0459 J	< 0.14 U	< 0.12 U	0.179 J	< 0.13 U	< 0.12 U	0.0474 J	< 0.13 U	< 0.13 U	0.0408 J	0.0190 J	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.97 U	0.204 J	R	< 0.17 U	< 0.14 U	< 0.13 U
DIBENZ(A,H)ANTHRACENE	22.44	< 0.14 U	0.0863 J	< 0.12 U	< 0.14 U	< 0.14 U	< 0.12 U	0.268 J	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.29 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.97 U	< 0.43 U	R	< 0.17 U	< 0.14 U	< 0.13 U
DIBENZOFURAN	0.831*	< 0.14 U	< 0.12 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.35 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.29 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.97 U	< 0.43 U	R	< 0.17 U	< 0.14 U	< 0.13 U
DIETHYL PHTHALATE	1.21*	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
DIMETHYL PHTHALATE	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
DI-N-BUTYL PHTHALATE	6.47*	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
DI-N-OCTYLPHTHALATE	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
FLUORANTHENE	14.16	0.0540 J	< 0.12 U	< 0.12 U	0.0989 J	0.0394 J	< 0.12 U	0.34 J	< 0.13 U	< 0.12 U	0.0829 J	< 0.13 U	< 0.13 U	0.0612 J	0.0372 J	< 0.13 U	0.0326 J	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	0.213 J	0.353 J	0.0292 J	< 0.17 U	< 0.14 U	< 0.13 U
FLUORENE	10.78	< 0.14 U	< 0.12 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.35 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.29 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.97 U	< 0.43 U	R	< 0.17 U	< 0.14 U	< 0.13 U
HEXACHLOROBENZENE	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
HEXACHLOROBUTADIENE	--	< 0.36 UJ	< 0.31 UJ	< 0.31 U	< 0.36 UJ	< 0.35 UJ	< 0.3 UJ	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 UJ	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
HEXACHLOROCYCLOPENTADIENE	--	< 0.72 U	< 0.62 U	< 0.62 U	< 0.71 UJ	< 0.7 UJ	< 0.59 UJ	< 1.7 U	< 0.64 U	< 0.6 U	< 0.77 UJ	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.63 U	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
HEXACHLOROETHANE	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
INDENO(1,2,3-C,D)PYRENE	22.3	0.101 J	0.0781 J	< 0.12 U	< 0.14 U	< 0.14 U	< 0.12 U	0.319 J	0.0780 J	< 0.12 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.29 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	0.0794 J	< 0.13 U	< 0.13 U	< 0.97 U	< 0.43 U	R	< 0.17 U	< 0.14 U	< 0.13 U
ISOPHORONE	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
NAPHTHALENE	7.7	< 0.14 U	< 0.12 U	< 0.12 U	< 0.14 U	< 0.14 U	< 0.12 U	< 0.35 U	< 0.13 U	< 0.12 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.29 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.97 U	< 0.43 U	0.164 J	< 0.17 U	< 0.14 U	< 0.13 U
NITROBENZENE	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
N-NITROSODI-N-PROPYLAMINE	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
N-NITROSODIPHENYLAMINE	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
PENTACHLOROPHENOL	14	< 0.72 UJ	< 0.62 UJ	< 0.62 U	< 0.71 U	< 0.7 U	< 0.59 U	< 1.7 UJ	< 0.64 UJ	< 0.6 UJ	< 0.77 U	< 0.66 U	< 0.64 U	< 1.4 U	< 0.69 U	< 0.63 U	< 0.75 U	< 0.74 U	< 0.67 U	< 0.65 UJ	< 0.65 U	< 0.63 UJ	< 4.8 U	< 2.2 U	R	< 0.86 U	< 0.69 U	< 0.66 U
PHENANTHRENE	11.94	0.0338 J	< 0.12 U	< 0.12 U	0.0589 J	< 0.14 U	< 0.12 U	0.163 J	< 0.13 U	< 0.12 U	0.0512 J	< 0.13 U	< 0.13 U	< 0.29 U	0.0288 J	< 0.13 U	0.0217 J	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.97 U	0.189 J	R	< 0.17 U	< 0.14 U	< 0.13 U
PHENOL	--	< 0.36 U	< 0.31 U	< 0.31 U	< 0.36 U	< 0.35 U	< 0.3 U	< 0.87 U	< 0.32 U	< 0.3 U	< 0.38 U	< 0.33 U	< 0.32 U	< 0.72 U	< 0.35 U	< 0.31 U	< 0.37 U	< 0.37 U	< 0.33 U	< 0.32 U	< 0.32 U	< 0.32 U	< 2.4 U	< 1.1 U	R	< 0.43 U	< 0.34 U	< 0.33 U
PYRENE	13.96	0.0421 J	< 0.12 U	< 0.12 U	0.0840 J	< 0.14 U	< 0.12 U	0.305 J	< 0.13 U	< 0.12 U	0.0802 J	< 0.13 U	< 0.13 U	0.0555 J	0.0331 J	< 0.13 U	0.0262 J	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	0.185 J	0.306 J	0.0416 J	0.0345 J	< 0.14 U	< 0.13 U

Notes:
SVOC - Semi-Volatile Organic Compound.
All units are in milligrams per kilogram (mg/kg).
* - UTC-Developed criteria.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
R - Concentration rejected during validation.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 4
SVOC Screening Table
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria - Class A	Transect K						North Swale to Sanders Creek																				
Sample ID		SDK1	SDK1	SDK1	SDK2	SDK2	SDK2	SDS1	SDS1	SDS1	SDS2	SDS2	SDS2	SDS3	SDS3	SDS3	SDS4	SDS4	SDS4	SDS5	SDS5	SDS5	SDS6	SDS6	SDS6	SDS7	SDS7	SDS7
Sample Date		11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013
Sample Interval (inches) Chemical Name		0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24	0 - 6	6 - 12	18 - 24
1,2,4-TRICHLOROBENZENE	2.14	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
1,2-DICHLOROBENZENE	0.28	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
1,3-DICHLOROBENZENE	1.8	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
1,4-DICHLOROBENZENE	0.72	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
2,4,5-TRICHLOROPHENOL	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
2,4,6-TRICHLOROPHENOL	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
2,4-DICHLOROPHENOL	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
2,4-DIMETHYLPHENOL	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
2,4-DINITROPHENOL	--	< 2.4 U	< 1.4 U	< 1.4 U	< 1.5 UJ	< 1.3 U	< 1.3 UJ	< 1.3 U	< 1.5 U	< 1.2 U	< 1.4 U	< 1.3 U	< 1.5 U	< 1.4 U	< 1.4 U	< 1.5 U	< 1.9 U	< 1.4 U	< 1.3 U	< 2 U	< 1.6 U	< 1.4 U	< 1.6 U	< 1.5 U	< 1.4 U	< 1.5 U	< 1.2 U	< 1.1 U
2,4-DINITROTOLUENE	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
2,6-DINITROTOLUENE	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
2-CHLORONAPHTHALENE	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
2-CHLOROPHENOL	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
2-METHYLNAPHTHALENE	0.586*	< 0.24 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.19 U	< 0.14 U	< 0.13 U	< 0.2 U	< 0.16 U	< 0.14 U	< 0.16 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.12 U	< 0.11 U
2-METHYLPHENOL (O-CRESOL)	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
2-NITROANILINE	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
2-NITROPHENOL	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
3,3'-DICHLOROBENZIDINE	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 UJ	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
3-NITROANILINE	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
4,6-DINITRO-2-METHYLPHENOL	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
4-BROMOPHENYL PHENYL ETHER	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
4-CHLORO-3-METHYLPHENOL	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
4-CHLOROANILINE	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 UJ	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
4-CHLOROPHENYL PHENYL ETHER	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
4-METHYLPHENOL (P-CRESOL)	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
4-NITROANILINE	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
4-NITROPHENOL	--	< 2.4 U	< 1.4 U	< 1.4 U	< 1.5 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.5 U	< 1.2 U	< 1.4 U	< 1.3 U	< 1.5 U	< 1.4 U	< 1.4 U	< 1.5 U	< 1.9 U	< 1.4 U	< 1.3 U	< 2 U	< 1.6 U	< 1.4 U	< 1.6 U	< 1.5 U	< 1.4 U	< 1.5 U	< 1.2 U	< 1.1 U
ACENAPHTHENE	9.82	< 0.24 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.19 U	< 0.14 U	< 0.13 U	< 0.2 U	< 0.16 U	< 0.14 U	< 0.16 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.12 U	< 0.11 U
ACENAPHTHYLENE	9.04	0.0244 J	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.19 U	< 0.14 U	< 0.13 U	< 0.2 U	< 0.16 U	< 0.14 U	< 0.16 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.12 U	< 0.11 U
ANTHRACENE	11.88	0.0322 J	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.15 U	0.0193 J	< 0.14 U	< 0.15 U	< 0.19 U	< 0.14 U	< 0.13 U	< 0.2 U	< 0.16 U	< 0.14 U	< 0.16 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.12 U	< 0.11 U
BENZO(A)ANTHRACENE	16.82	0.132 J	< 0.14 U	< 0.14 U	0.0271 J	< 0.13 U	< 0.13 U	< 0.13 U	0.0440 J	< 0.12 U	< 0.14 U	< 0.13 U	0.0244 J	< 0.14 U	< 0.14 U	< 0.15 U	0.0552 J	< 0.14 U	< 0.13 U	0.0436 J	0.0408 J	< 0.14 U	0.0487 J	0.0556 J	0.0271 J	0.0692 J	0.0442 J	< 0.11 U
BENZO(A)PYRENE	19.28	0.143 J	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	0.0417 J	< 0.12 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	0.0559 J	< 0.14 U	< 0.13 U	< 0.2 U	< 0.16 U	< 0.14 U	0.0543 J	0.0617 J	0.0239 J	0.0649 J	0.0410 J	0.0216 J
BENZO(B)FLUORANTHENE	19.58	0.148 J	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	0.0406 J	< 0.12 U	0.0364 J	< 0.13 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	0.0540 J	< 0.14 U	< 0.13 U	< 0.2 U	< 0.16 U	< 0.14 U	0.0428 J	0.0616 J	< 0.14 U	0.0882 J	0.0443 J	< 0.11 U
BENZO(G,H,I)PERYLENE	21.9	0.0958 J	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.19 U	< 0.14 U	< 0.13 U	< 0.2 U	< 0.16 U	< 0.14 U	0.0349 J	0.0400 J	< 0.14 U	0.0480 J	0.0346 J	0.0145 J
BENZO(K)FLUORANTHENE	19.6	0.125 J	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	0.0365 J	< 0.12 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	0.0500 J	< 0.14 U	< 0.13 U	< 0.2 U	< 0.16 U	< 0.14 U	0.0555 J	0.0520 J	< 0.14 U	0.0448 J	0.0379 J	< 0.11 U
BENZYL BUTYL PHTHALATE	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	0.0253 J	0.0285 J	0.0219 J	< 0.38 U	0.0230 J	< 0.29 U
BIS(2-CHLOROETHOXY) METHANE	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 UJ	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
BIS(2-CHLOROISOPROPYL) ETHER	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 UJ	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
BIS(2-ETHYLHEXYL) PHTHALATE	180*	0.11 J	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	0.0517 J	< 0.35 U	0.0626 J	0.0642 J	0.0639 J	0.0572 J	0.0458 J	0.0275 J
CARBAZOLE	--	< 0.24 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.19 U	< 0.14 U	< 0.13 U	< 0.2 U	< 0.16 U	< 0.14 U	< 0.16 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.12 U	< 0.11 U
CHRYSENE	16.86	0.173 J	< 0.14 U	< 0.14 U	0.0316 J	< 0.13 U	< 0.13 U	< 0.13 U	0.0461 J	< 0.12 U	< 0.14 U	< 0.13 U	0.0221 J	< 0.14 U	< 0.14 U	< 0.15 U	0.0616 J	< 0.14 U	< 0.13 U	0.0488 J	0.0426 J	< 0.14 U	0.0647 J	0.0655 J	0.0275 J	0.0853 J	0.0529 J	< 0.11 U
DIBENZ(A,H)ANTHRACENE	22.44	< 0.24 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.19 U	< 0.14 U	< 0.13 U	< 0.2 U	< 0.16 U	< 0.14 U	< 0.16 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.12 U	< 0.11 U
DIBENZOFURAN	0.831*	< 0.24 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.19 U	< 0.14 U	< 0.13 U	< 0.2 U	< 0.16 U	< 0.14 U	< 0.16 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.12 U	< 0.11 U
DIETHYL PHTHALATE	1.21*	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
DIMETHYL PHTHALATE	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
DI-N-BUTYL PHTHALATE	6.47*	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
DI-N-OCTYLPHTHALATE	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 UJ	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
FLUORANTHENE	14.16	0.299	< 0.14 U	< 0.14 U	0.0627 J	< 0.13 U	< 0.13 U	< 0.13 U	0.114 J	< 0.12 U	0.0666 J	0.0197 J	0.0434 J	0.0294 J	0.0330 J	< 0.15 U	0.135 J	< 0.14 U	< 0.13 U	0.119 J	0.0942 J	< 0.14 U	0.146 J	0.151	0.0587 J	0.159	0.0845 J	0.0408 J
FLUORENE	10.78	< 0.24 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.19 U	< 0.14 U	< 0.13 U	< 0.2 U	< 0.16 U	< 0.14 U	< 0.16 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.12 U	< 0.11 U
HEXACHLOROBENZENE	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
HEXACHLOROBUTADIENE	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
HEXACHLOROCYCLOPENTADIENE	--	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 UJ	< 0.63 UJ	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
HEXACHLOROETHANE	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
INDENO(1,2,3-C,D)PYRENE	22.3	0.0819 J	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.19 U	< 0.14 U	< 0.13 U	< 0.2 U	< 0.16 U	< 0.14 U	0.0390 J	0.0369 J	< 0.14 U	0.0497 J	0.0289 J	0.0144 J
ISOPHORONE	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
NAPHTHALENE	7.7	< 0.24 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.15 U	< 0.12 U	< 0.14 U	< 0.13 U	< 0.15 U	< 0.14 U	< 0.14 U	< 0.15 U	< 0.19 U	< 0.14 U	< 0.13 U	< 0.2 U	< 0.16 U	< 0.14 U	< 0.16 U	< 0.15 U	< 0.14 U	< 0.15 U	< 0.12 U	< 0.11 U
NITROBENZENE	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 UJ	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
N-NITROSODI-N-PROPYLAMINE	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 UJ	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
N-NITROSODIPHENYLAMINE	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
PENTACHLOROPHENOL	14	< 1.2 U	< 0.69 U	< 0.69 U	< 0.75 U	< 0.63 U	< 0.65 U	< 0.63 U	< 0.75 U	< 0.58 U	< 0.71 U	< 0.65 U	< 0.77 U	< 0.71 U	< 0.69 U	< 0.74 U	< 0.96 U	< 0.72 U	< 0.64 U	< 0.98 U	< 0.79 U	< 0.7 U	< 0.79 U	< 0.77 U	< 0.71 U	< 0.75 U	< 0.59 U	< 0.57 U
PHENANTHRENE	11.94	0.177 J	< 0.14 U	< 0.14 U	0.0386 J	< 0.13 U	< 0.13 U	< 0.13 U	0.0718 J	< 0.12 U	0.0383 J	< 0.13 U	< 0.15 U	0.0200 J	< 0.14 U	< 0.15 U	0.0781 J	< 0.14 U	< 0.13 U	0.0758 J	0.0580 J	< 0.14 U	0.0843 J	0.0824 J	0.0348 J	0.0773 J	0.0413 J	0.0193 J
PHENOL	--	< 0.61 U	< 0.34 U	< 0.34 U	< 0.37 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.38 U	< 0.29 U	< 0.36 U	< 0.33 U	< 0.38 U	< 0.35 U	< 0.35 U	< 0.37 U	< 0.48 U	< 0.36 U	< 0.32 U	< 0.49 U	< 0.39 U	< 0.35 U	< 0.39 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.29 U	< 0.29 U
PYRENE	13.96	0.262	< 0.14 U	< 0.14 U	0.0565 J	< 0.13 U	< 0.13 U	< 0.13 U	0.0880 J	< 0.12 U	0.0518 J	< 0.13 U	< 0.15 U	0.0208 J	0.0256 J	< 0.15 U	0.106 J	< 0.14 U	< 0.13 U	0.0931 J	0.0719 J	< 0.14 U	0.114 J	0.113 J	0.0498 J	0.129 J	0.0769 J	0.0377 J

Notes:
SVOC - Semi-Volatile Organic Compound.
All units are in milligrams per kilogram (mg/kg).
* - UTC-Developed criteria.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
R - Concentration rejected during validation.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 4
SVOC Screening Table
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect		Sanders Creek								
Sample ID	NYSDEC Screening Criteria - Class A	SDS8	SDS8 (Dup)	SDS8	SDS8 (Dup)	SDS8	SDS8 (Dup)	SDS9	SDS9	SDS9
Sample Date		11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013	11/5/2013
Sample Interval (inches)		0 - 6	0 - 6	6 - 12	6 - 12	18 - 24	18 - 24	0 - 6	6 - 12	18 - 24
Chemical Name										
1,2,4-TRICHLOROBENZENE	2.14	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
1,2-DICHLOROBENZENE	0.28	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
1,3-DICHLOROBENZENE	1.8	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
1,4-DICHLOROBENZENE	0.72	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
2,4,5-TRICHLOROPHENOL	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
2,4,6-TRICHLOROPHENOL	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
2,4-DICHLOROPHENOL	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
2,4-DIMETHYLPHENOL	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
2,4-DINITROPHENOL	--	< 1.5 U	< 1.3 U	< 1.6 U	< 1.5 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.8 U	< 1.3 U
2,4-DINITROTOLUENE	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
2,6-DINITROTOLUENE	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
2-CHLORONAPHTHALENE	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
2-CHLOROPHENOL	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
2-METHYLNAPHTHALENE	0.586*	< 0.15 U	< 0.13 U	< 0.16 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	0.0240 J	< 0.13 U
2-METHYLPHENOL (O-CRESOL)	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
2-NITROANILINE	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
2-NITROPHENOL	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
3,3'-DICHLOROBENZIDINE	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
3-NITROANILINE	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
4,6-DINITRO-2-METHYLPHENOL	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
4-BROMOPHENYL PHENYL ETHER	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
4-CHLORO-3-METHYLPHENOL	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
4-CHLOROANILINE	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
4-CHLOROPHENYL PHENYL ETHER	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
4-METHYLPHENOL (P-CRESOL)	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
4-NITROANILINE	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
4-NITROPHENOL	--	< 1.5 U	< 1.3 U	< 1.6 U	< 1.5 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.8 U	< 1.3 U
ACENAPHTHENE	9.82	< 0.15 U	< 0.13 U	< 0.16 U	< 0.15 U	< 0.13 U	< 0.13 U	0.0182 J	0.0724 J	< 0.13 U
ACENAPHTHYLENE	9.04	< 0.15 U	< 0.13 U	< 0.16 U	< 0.15 U	< 0.13 U	0.0243 J	< 0.13 U	0.0346 J	< 0.13 U
ANTHRACENE	11.88	0.0250 J	< 0.13 U	< 0.16 U	0.0219 J	< 0.13 U	0.0327 J	0.0366 J	0.192	0.0171 J
BENZO(A)ANTHRACENE	16.82	0.12 J	0.0319 J	0.0722 J	0.132 J	0.0239 J	0.102 J	0.164	0.913	0.0778 J
BENZO(A)PYRENE	19.28	0.11 J	0.0273 J	0.0794 J	0.117 J	< 0.13 U	0.111 J	0.161	0.943	0.0729 J
BENZO(B)FLUORANTHENE	19.58	0.115 J	0.0323 J	0.0789 J	0.119 J	< 0.13 U	0.11 J	0.148	1.04	0.0843 J
BENZO(G,H,I)PERYLENE	21.9	0.0634 J	0.0191 J	0.0486 J	0.0872 J	< 0.13 U	0.0683 J	0.0971 J	0.631	0.0525 J
BENZO(K)FLUORANTHENE	19.6	0.101 J	0.0212 J	0.0685 J	0.122 J	< 0.13 U	0.0746 J	0.149	0.773	0.0523 J
BENZYL BUTYL PHTHALATE	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
BIS(2-CHLOROETHOXY) METHANE	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
BIS(2-CHLOROISOPROPYL) ETHER	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
BIS(2-ETHYLHEXYL) PHTHALATE	180*	0.0937 J	0.167 J	0.112 J	0.135 J	0.0359 J	< 0.31 U	< 0.33 U	0.123 J	0.0423 J
CARBAZOLE	--	< 0.15 U	< 0.13 U	< 0.16 U	0.0201 J	< 0.13 U	0.0202 J	0.0310 J	0.178 J	0.0157 J
CHRYSENE	16.86	0.133 J	0.0292 J	0.101 J	0.136 J	0.0208 J	0.11 J	0.176	1	0.0750 J
DIBENZ(A,H)ANTHRACENE	22.44	< 0.15 U	< 0.13 U	< 0.16 U	0.0324 J	< 0.13 U	< 0.13 U	< 0.13 U	0.184	< 0.13 U
DIBENZOFURAN	0.831*	< 0.15 U	< 0.13 U	< 0.16 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	0.0469 J	< 0.13 U
DIETHYL PHTHALATE	1.21*	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
DIMETHYL PHTHALATE	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
DI-N-BUTYL PHTHALATE	6.47*	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
DI-N-OCTYLPHTHALATE	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
FLUORANTHENE	14.16	0.283	0.0568 J	0.191	0.275	0.0425 J	0.22	0.349	1.92	0.162
FLUORENE	10.78	< 0.15 U	< 0.13 U	< 0.16 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	0.0715 J	< 0.13 U
HEXACHLOROBENZENE	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
HEXACHLOROBUTADIENE	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
HEXACHLOROCYCLOPENTADIENE	--	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
HEXACHLOROETHANE	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
INDENO(1,2,3-C,D)PYRENE	22.3	0.0645 J	< 0.13 U	0.0410 J	0.0756 J	< 0.13 U	0.0600 J	0.0989 J	0.586	0.0495 J
ISOPHORONE	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
NAPHTHALENE	7.7	< 0.15 U	< 0.13 U	< 0.16 U	< 0.15 U	< 0.13 U	< 0.13 U	< 0.13 U	0.0303 J	< 0.13 U
NITROBENZENE	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
N-NITROSODI-N-PROPYLAMINE	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
N-NITROSODIPHENYLAMINE	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
PENTACHLOROPHENOL	14	< 0.77 U	< 0.63 U	< 0.81 U	< 0.77 U	< 0.64 U	< 0.63 U	< 0.65 U	< 0.89 U	< 0.63 U
PHENANTHRENE	11.94	0.138 J	0.0348 J	0.0911 J	0.125 J	0.0242 J	0.125 J	0.195	1.01	0.0827 J
PHENOL	--	< 0.39 U	< 0.32 U	< 0.41 U	< 0.38 U	< 0.32 U	< 0.31 U	< 0.33 U	< 0.44 U	< 0.31 U
PYRENE	13.96	0.234	0.0487 J	0.162	0.229	0.0341 J	0.196	0.293	1.69	0.138

Notes:
SVOC - Semi-Volatile Organic Compound.
All units are in milligrams per kilogram (mg/kg).
* - UTC-Developed criteria.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
R - Concentration rejected during validation.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 5
PAH Screening Table with Calculated Toxicity Units
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria		Transect A																															
Sample ID			SDA1			SDA1			SDA1			SDA2			SDA2			SDA2			SDA3			SDA3			SDA3			SDA4			SDA4			SDA4		
Sample Date			11/6/2013			11/6/2013			11/6/2013			11/6/2013			11/6/2013			11/6/2013			11/7/2013			11/7/2013			11/7/2013			11/8/2013			11/8/2013			11/8/2013		
Sample Interval (inches)			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
ACENAPHTHENE	491	9.82	0.0685	2.4729	0.0050	0.0031 J	0.2385	0.0005	< 0.0045 U	--	--	< 0.0045 U	--	--	< 0.0046 U	--	--	< 0.0051 U	--	--	< 0.0046 U	--	--	0.0029 J	0.5653	0.0012	< 0.0046 U	--	--	0.0529	1.1914	0.0024	0.0182	0.4764	0.0010	< 0.0058 U	--	--
ACENAPHTHYLENE	452	9.04	0.785	28.3394	0.0627	0.0224	1.7231	0.0038	< 0.0045 U	--	--	0.0103	1.0457	0.0023	0.0055	0.3374	0.0007	0.0129	2.0379	0.0045	< 0.0046 U	--	--	0.0031 J	0.6043	0.0013	< 0.0046 U	--	--	0.456	10.2703	0.0227	0.0409	1.0707	0.0024	0.0031 J	0.1131	0.0003
ANTHRACENE	594	11.88	0.753	27.1841	0.0458	0.0174	1.3385	0.0023	< 0.0045 U	--	--	0.0081	0.8223	0.0014	0.0045 J	0.2761	0.0005	0.0098	1.5482	0.0026	0.0035 J	0.4667	0.0008	0.0065	1.2671	0.0021	< 0.0046 U	--	--	0.44	9.9099	0.0167	0.0643	1.6832	0.0028	< 0.0058 U	--	--
BENZO(A)ANTHRACENE	841	16.82	0.596	21.5162	0.0256	0.0238	1.8308	0.0022	< 0.0045 U	--	--	0.0139	1.4112	0.0017	0.0058	0.3558	0.0004	0.0135	2.1327	0.0025	0.0058	0.7733	0.0009	0.0128	2.4951	0.0030	< 0.0046 U	--	--	0.465	10.4730	0.0125	0.151	3.9529	0.0047	0.0043 J	0.1569	0.0002
BENZO(A)PYRENE	964	19.28	0.895	32.3105	0.0335	0.0372	2.8615	0.0030	< 0.0045 U	--	--	0.0200	2.0305	0.0021	0.0096	0.5890	0.0006	0.0228	3.6019	0.0037	0.0105	1.4000	0.0015	0.0139	2.7096	0.0028	0.0030 J	0.7732	0.0008	0.621	13.9865	0.0145	0.173	4.5288	0.0047	0.0049 J	0.1788	0.0002
BENZO(B)FLUORANTHENE	979	19.58	0.81	29.2419	0.0299	0.0342	2.6308	0.0027	< 0.0045 U	--	--	0.0194	1.9695	0.0020	0.0097	0.5951	0.0006	0.0223	3.5229	0.0036	0.0113	1.5067	0.0015	0.0111	2.1637	0.0022	< 0.0046 U	--	--	0.574	12.9279	0.0132	0.144	3.7696	0.0039	0.0040 J	0.1460	0.0001
BENZO(G,H,I)PERYLENE	1095	21.9	0.838	30.2527	0.0276	0.0332	2.5538	0.0023	< 0.0045 U	--	--	0.0161	1.6345	0.0015	0.0087	0.5337	0.0005	0.0199	3.1438	0.0029	0.0064	0.8533	0.0008	0.0078	1.5205	0.0014	< 0.0046 U	--	--	0.52	11.7117	0.0107	0.115	3.0105	0.0027	0.0031 J	0.1131	0.0001
BENZO(K)FLUORANTHENE	980	19.6	0.778	28.0866	0.0287	0.0356	2.7385	0.0028	< 0.0045 U	--	--	0.0189	1.9188	0.0020	0.0092	0.5644	0.0006	0.0214	3.3807	0.0034	0.0104	1.3867	0.0014	0.0118	2.3002	0.0023	< 0.0046 U	--	--	0.566	12.7477	0.0130	0.147	3.8482	0.0039	< 0.0058 U	--	--
BENZO[E]PYRENE	967	19.34	0.875	31.5884	0.0327	0.0376	2.8923	0.0030	< 0.0045 U	--	--	0.0185	1.8782	0.0019	0.0101	0.6196	0.0006	0.0228	3.6019	0.0037	0.0130	1.7333	0.0018	0.0091	1.7739	0.0018	< 0.0046 U	--	--	0.54	12.1622	0.0126	0.119	3.1152	0.0032	0.0034 J	0.1241	0.0001
C1-Benzanthracenes/Chrysenes	930	18.6	0.517	18.6643	0.0201	0.0213	1.6385	0.0018	< 0.0045 U	--	--	0.0115	1.1675	0.0013	0.0049	0.3006	0.0003	0.0122	1.9273	0.0021	0.0145	1.9333	0.0021	0.0067	1.3060	0.0014	< 0.0046 U	--	--	0.358	8.0631	0.0087	0.0693	1.8141	0.0020	0.0037 J	0.1350	0.0001
C1-Fluoranthenes/Pyrenes	769	15.38	0.79	28.5199	0.0371	0.0278	2.1385	0.0028	< 0.0045 U	--	--	0.0162	1.6447	0.0021	0.0076	0.4663	0.0006	0.0165	2.6066	0.0034	0.0108	1.4400	0.0019	0.0126	2.4561	0.0032	0.0026 J	0.6701	0.0009	0.549	12.3649	0.0161	0.127	3.3246	0.0043	0.0063	0.2299	0.0003
C1-Fluorenes	611	12.22	0.0806	2.9097	0.0048	0.0041 J	0.3154	0.0005	< 0.0045 U	--	--	0.0028 J	0.2843	0.0005	< 0.0046 U	--	--	0.0027 J	0.4265	0.0007	0.0024 J	0.3200	0.0005	< 0.0046 U	--	--	< 0.0046 U	--	--	0.0611	1.3761	0.0023	0.0114	0.2984	0.0005	< 0.0058 U	--	--
C1-Naphthalenes	445	8.9	0.0950	3.4296	0.0077	0.0058	0.4462	0.0010	< 0.0045 U	--	--	0.0039 J	0.3959	0.0009	< 0.0046 U	--	--	0.0033 J	0.5213	0.0012	0.0052	0.6933	0.0016	0.0048	0.9357	0.0021	< 0.0046 U	--	--	0.13	2.9279	0.0066	0.0463	1.2120	0.0027	< 0.0058 U	--	--
C1-Phenanthrenes/Anthracenes	670	13.4	0.507	18.3032	0.0273	0.0173	1.3308	0.0020	< 0.0045 U	--	--	0.0117	1.1878	0.0018	0.0051	0.3129	0.0005	0.0103	1.6272	0.0024	0.0082	1.0933	0.0016	0.0106	2.0663	0.0031	0.0025 J	0.6443	0.0010	0.503	11.3288	0.0169	0.103	2.6963	0.0040	0.0060	0.2190	0.0003
C2-Benzanthracenes/Chrysenes	1009	20.18	0.261	9.4224	0.0093	0.0136	1.0462	0.0010	< 0.0045 U	--	--	0.0078	0.7919	0.0008	0.0035 J	0.2147	0.0002	0.0076	1.2006	0.0012	0.0177	2.3600	0.0023	0.0031 J	0.6043	0.0006	< 0.0046 U	--	--	0.193	4.3468	0.0043	0.0319	0.8351	0.0008	< 0.0058 U	--	--
C2-Fluorenes	687	13.74	0.113	4.0794	0.0059	0.0063	0.4846	0.0007	< 0.0045 U	--	--	0.0032 J	0.3249	0.0005	< 0.0046 U	--	--	< 0.0051 U	--	--	0.0044 J	0.5867	0.0009	0.0029 J	0.5653	0.0008	< 0.0046 U	--	--	0.128	2.8829	0.0042	0.0217	0.5681	0.0008	0.0040 J	0.1460	0.0002
C2-Naphthalenes	510	10.2	0.122	4.4043	0.0086	0.0063	0.4846	0.0010	< 0.0045 U	--	--	0.0040 J	0.4061	0.0008	0.0024 J	0.1472	0.0003	0.0034 J	0.5371	0.0011	0.0065	0.8667	0.0017	0.0060	1.1696	0.0023	0.0023 J	0.5928	0.0012	0.219	4.9324	0.0097	0.0610	1.5969	0.0031	< 0.0058 U	--	--
C2-Phenanthrenes/Anthracenes	745	14.9	0.394	14.2238	0.0191	0.0125	0.9615	0.0013	< 0.0045 U	--	--	0.0069	0.7005	0.0009	0.0033 J	0.2025	0.0003	0.0056	0.8847	0.0012	0.0093	1.2400	0.0017	0.0046	0.8967	0.0012	< 0.0046 U	--	--	0.412	9.2793	0.0125	0.0722	1.8901	0.0025	0.0052 J	0.1898	0.0003
C3-Benzanthracenes/Chrysenes	1213	24.26	0.237	8.5560	0.0071	0.0102	0.7846	0.0006	< 0.0045 U	--	--	< 0.0045 U	--	--	< 0.0046 U	--	--	< 0.0051 U	--	--	0.0198	2.6400	0.0022	< 0.0046 U	--	--	< 0.0046 U	--	--	0.135	3.0405	0.0025	0.0234	0.6126	0.0005	< 0.0058 U	--	--
C3-Fluorenes	768	15.36	0.0702	2.5343	0.0033	< 0.0044 U	--	--	< 0.0045 U	--	--	< 0.0045 U	--	--	< 0.0046 U	--	--	< 0.0051 U	--	--	0.0037 J	0.4933	0.0006	< 0.0046 U	--	--	< 0.0046 U	--	--	0.151	3.4009	0.0044	0.0149	0.3901	0.0005	< 0.0058 U	--	--
C3-Naphthalenes	581	11.62	0.114	4.1155	0.0071	0.0056	0.4308	0.0007	< 0.0045 U	--	--	0.0040 J	0.4061	0.0007	0.0023 J	0.1411	0.0002	0.0032 J	0.5055	0.0009	0.0060	0.8000	0.0014	0.0041 J	0.7992	0.0014	< 0.0046 U	--	--	0.238	5.3604	0.0092	0.0562	1.4712	0.0025	< 0.0058 U	--	--
C3-Phenanthrenes/Anthracenes	830	16.6	0.186	6.7148	0.0081	0.0069	0.5308	0.0006	< 0.0045 U	--	--	0.0040 J	0.4061	0.0005	< 0.0046 U	--	--	0.0036 J	0.5687	0.0007	0.0108	1.4400	0.0017	0.0028 J	0.5458	0.0007	< 0.0046 U	--	--	0.196	4.4144	0.0053	0.0345	0.9031	0.0011	0.0029 J	0.1058	0.0001
C4-Benzanthracenes/Chrysenes	1213	24.26	0.117	4.2238	0.0035	< 0.0044 U	--	--	< 0.0045 U	--	--	< 0.0045 U	--	--	< 0.0046 U	--	--	< 0.0051 U	--	--	< 0.0046 U	--	--	< 0.0046 U	--	--	< 0.0046 U	--	--	0.0865	1.9482	0.0016	< 0.0053 U	--	--	< 0.0058 U	--	--
C4-Naphthalenes	657	13.14	0.0827	2.9856	0.0045	0.0073	0.5615	0.0009	< 0.0045 U	--	--	0.0034 J	0.3452	0.0005	0.0025 J	0.1534	0.0002	0.0025 J	0.3949	0.0006	0.0048	0.6400	0.0010	0.0049	0.9552	0.0015	< 0.0046 U	--	--	0.195	4.3919	0.0067	0.0400	1.0471	0.0016	< 0.0058 U	--	--
C4-Phenanthrenes/Anthracenes	670	13.4	0.0987	3.5632	0.0053	< 0.0044 U	--	--	< 0.0045 U	--	--	< 0.0045 U	--	--	< 0.0046 U	--	--	< 0.0051 U	--	--	0.0067	0.8933	0.0013	< 0.0046 U	--	--	< 0.0046 U	--	--	0.0897	2.0203	0.0030	0.0169	0.4424	0.0007	< 0.0058 U	--	--
CHRYSENE	843	16.86	0.824	29.7473	0.0353	0.0353	2.7154	0.0032	< 0.0045 U	--	--	0.0211	2.1421	0.0025	0.0095	0.5828	0.0007	0.0216	3.4123	0.0040	0.0137	1.8267	0.0022	0.0151	2.9435	0.0035	0.0028 J	0.7216	0.0009	0.643	14.4820	0.0172	0.18	4.7120	0.0056	< 0.0058 U	--	--
DIBENZ(A,H)ANTHRACENE	1122	22.44	0.194	7.0036	0.0062	0.0103	0.7923	0.0007	< 0.0045 U	--	--	0.0042 J	0.4264	0.0004	< 0.0046 U	--	--	0.0044 J	0.6951	0.0006	< 0.0046 U	--	--	< 0.0046 U	--	--	< 0.0046 U	--	--	0.131	2.9505	0.0026	0.0320	0.8377	0.0007	< 0.0058 U	--	--
FLUORANTHENE	708	14.16	1.06	38.2671	0.0540	0.0489	3.7615	0.0053	< 0.0045 U	--	--	0.0312	3.1675	0.0045	0.0123	0.7546	0.0011	0.0288	4.5498	0.0064	0.0111	1.4800	0.0021	0.0282	5.4971	0.0078	0.0043 J	1.1082	0.0016	0.912	20.5405	0.0290	0.37	9.6859	0.0137	0.0090	0.3285	0.0005
FLUORENE	539	10.78	0.0596	2.1516	0.0040	0.0034 J	0.2615	0.0005	< 0.0045 U	--	--	< 0.0045 U	--	--	< 0.0046 U	--	--	< 0.0051 U	--	--	< 0.0046 U	--	--	0.0034 J	0.6628	0.0012	< 0.0046 U	--	--	0.0427	0.9617	0.0018	0.0179	0.4686	0.0009	< 0.0058 U	--	--
INDENO(1,2,3-C,D)PYRENE	1115	22.3	0.844	30.4693	0.0273	0.0317	2.4385	0.0022	< 0.0045 U	--	--	0.0154	1.5635	0.0014	0.0081	0.4969	0.0004	0.0192	3.0332	0.0027	0.0049	0.6533	0.0006	0.0076	1.4815	0.0013	< 0.0046 U	--	--	0.497	11.1937	0.0100	0.116	3.0366	0.0027	0.0030 J	0.1095	0.0001
NAPHTHALENE	385	7.7	0.0920	3.3213	0.0086	0.0057	0.4385	0.0011	< 0.0045 U	--	--	0.0043 J	0.4365	0.0011	0.0024 J	0.1472	0.0004	0.0036 J	0.5687	0.0015	0.0041 J	0.5467	0.0014	0.0050	0.9747	0.0025	< 0.0046 U	--	--	0.0958	2.1577	0.0056	0.0302	0.7906	0.0021	< 0.0058 U	--	--
PERYLENE	967	19.34	0.251	9.0614	0.0094	0.0106	0.8154	0.0008	< 0.0045 U	--	--	0.0052	0.5279	0.0005	0.0028 J	0.1718	0.0002	0.0062	0.9795	0.0010	0.0030 J	0.4000	0.0004	0.0035 J	0.6823	0.0007	< 0.0046 U	--	--	0.161	3.6261	0.0037	0.0474	1.2408	0.0013	< 0.0058 U	--	--
PHENANTHRENE	597	11.94	0.416	15.0181	0.0252	0.0186	1.4308	0.0024	< 0.0045 U	--	--	0.0146	1.4822	0.0025	0.0056	0.3436	0.0006	0.0124	1.9589	0.0033	0.0060	0.8000	0.0013	0.0225	4.3860	0.0073	0.0025 J	0.6443	0.0011	0.458	10.3153	0.0173	0.216	5.6545	0.0095	< 0.0058 U	--	--
PYRENE	698	13.96	1.02	36.8231	0.0528	0.0464	3.5692	0.0051	< 0.0045 U	--	--	0.0282	2.8629	0.0041	0.0117	0.7178	0.0010	0.0272	4.2970	0.0062	0.0125	1.6667	0.0024	0.0237	4.6199	0.0066	0.0037 J	0.9536	0.0014	0.86	19.3694	0.0277	0.306	8.0105	0.0115	0.0079	0.2883	0.0004
TOC	--	--	27700	--	--	13000	--	--	9340	--	--	9850	--	--	16300	--	--	6330	--	--	7500	--	--	5130	--	--	3880	--	--	44400	--	--	38200	--	--	27400	--	--
Total PAH Toxicity Units	--	--	--	--	0.6930	--	--	0.0588	--	--	0	--	--	0.0432	--	--	0.0116	--	--	0.0681	--	--	0.0415	--	--	0.0674	--	--	0.0087	--	--	0.3472	--	--	0.1049	--	--	0.0033

Notes:
PAH - Polycyclic Aromatic Hydrocarbon.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
mg/kg - milligrams per kilogram.
µg/gOC - micrograms per gram of Organic Carbon.
TOC - Total Organic Carbon.
TU - Toxicity unit.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 5
PAH Screening Table with Calculated Toxicity Units
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect			Transect B																												
Sample ID	NYSDEC Screening Criteria		SDB1			SDB1			SDB1			SDB2			SDB2 (Dup)			SDB2			SDB2			SDB4			SDB4			SDB4		
Sample Date			11/6/2013			11/6/2013			11/6/2013			11/7/2013			11/7/2013			11/7/2013			11/7/2013			11/7/2013			11/7/2013			11/7/2013		
Sample Interval (inches)			0 - 6			6 - 12			18 - 24			0 - 6			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
ACENAPHTHENE	491	9.82	0.0050 J	0.0990	0.0002	< 0.0045 U	--	--	< 0.0048 U	--	--	< 0.0059 U	--	--	0.0034 J	0.0912	0.0002	< 0.0052 U	--	--	< 0.0050 U	--	--	< 0.0060 U	--	--	< 0.0053 U	--	--	< 0.0045 U	--	--
ACENAPHTHYLENE	452	9.04	0.0128	0.2535	0.0006	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0098	0.3131	0.0007	0.0125	0.3351	0.0007	0.0028 J	0.1628	0.0004	< 0.0050 U	--	--	0.0093	0.2308	0.0005	< 0.0053 U	--	--	< 0.0045 U	--	--
ANTHRACENE	594	11.88	0.0129	0.2554	0.0004	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0104	0.3323	0.0006	0.0138	0.3700	0.0006	0.0028 J	0.1628	0.0003	< 0.0050 U	--	--	0.0093	0.2308	0.0004	< 0.0053 U	--	--	< 0.0045 U	--	--
BENZO(A)ANTHRACENE	841	16.82	0.0310	0.6139	0.0007	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0253	0.8083	0.0010	0.0333	0.8928	0.0011	0.0042 J	0.2442	0.0003	< 0.0050 U	--	--	0.0333	0.8263	0.0010	0.0067	0.2900	0.0003	0.0030 J	0.6012	0.0007
BENZO(A)PYRENE	964	19.28	0.0378	0.7485	0.0008	0.0031 J	0.1640	0.0002	< 0.0048 U	--	--	0.0295	0.9425	0.0010	0.0373	1.0000	0.0010	0.0048 J	0.2791	0.0003	< 0.0050 U	--	--	0.0404	1.0025	0.0010	0.0075	0.3247	0.0003	0.0033 J	0.6613	0.0007
BENZO(B)FLUORANTHENE	979	19.58	0.0320	0.6337	0.0006	0.0027 J	0.1429	0.0001	< 0.0048 U	--	--	0.0259	0.8275	0.0008	0.0349	0.9357	0.0010	0.0039 J	0.2267	0.0002	< 0.0050 U	--	--	0.0356	0.8834	0.0009	0.0064	0.2771	0.0003	0.0030 J	0.6012	0.0006
BENZO(G,H,I)PERYLENE	1095	21.9	0.0234	0.4634	0.0004	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0196	0.6262	0.0006	0.0248	0.6649	0.0006	0.0030 J	0.1744	0.0002	< 0.0050 U	--	--	0.0250	0.6203	0.0006	0.0042 J	0.1818	0.0002	< 0.0045 U	--	--
BENZO(K)FLUORANTHENE	980	19.6	0.0338	0.6693	0.0007	0.0025 J	0.1323	0.0001	< 0.0048 U	--	--	0.0271	0.8658	0.0009	0.0348	0.9330	0.0010	0.0042 J	0.2442	0.0002	< 0.0050 U	--	--	0.0367	0.9107	0.0009	0.0069	0.2987	0.0003	0.0031 J	0.6212	0.0006
BENZO[E]PYRENE	967	19.34	0.0271	0.5366	0.0006	0.0023 J	0.1217	0.0001	< 0.0048 U	--	--	0.0215	0.6869	0.0007	0.0284	0.7614	0.0008	0.0036 J	0.2093	0.0002	< 0.0050 U	--	--	0.0290	0.7196	0.0007	0.0051 J	0.2208	0.0002	< 0.0045 U	--	--
C1-Benzanthracenes/Chrysenes	930	18.6	0.0207	0.4099	0.0004	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0160	0.5112	0.0005	0.0202	0.5416	0.0006	0.0034 J	0.1977	0.0002	< 0.0050 U	--	--	0.0184	0.4566	0.0005	0.0047 J	0.2035	0.0002	< 0.0045 U	--	--
C1-Fluoranthenes/Pyrenes	769	15.38	0.0327	0.6475	0.0008	0.0026 J	0.1376	0.0002	< 0.0048 U	--	--	0.0266	0.8498	0.0011	0.0358	0.9598	0.0012	0.0066	0.3837	0.0005	< 0.0050 U	--	--	0.0301	0.7469	0.0010	0.0077	0.3333	0.0004	0.0032 J	0.6413	0.0008
C1-Fluorenes	611	12.22	0.0049 J	0.0970	0.0002	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0057 J	0.1821	0.0003	0.0066	0.1769	0.0003	0.0033 J	0.1919	0.0003	< 0.0050 U	--	--	0.0037 J	0.0918	0.0002	0.0027 J	0.1169	0.0002	< 0.0045 U	--	--
C1-Naphthalenes	445	8.9	0.0093	0.1842	0.0004	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0082	0.2620	0.0006	0.0099	0.2654	0.0006	< 0.0052 U	--	--	< 0.0050 U	--	--	< 0.0060 U	--	--	< 0.0053 U	--	--	< 0.0045 U	--	--
C1-Phenanthrenes/Anthracenes	670	13.4	0.0256	0.5069	0.0008	0.0026 J	0.1376	0.0002	< 0.0048 U	--	--	0.0265	0.8466	0.0013	0.0338	0.9062	0.0014	0.0067	0.3895	0.0006	< 0.0050 U	--	--	0.0208	0.5161	0.0008	0.0064	0.2771	0.0004	0.0026 J	0.5210	0.0008
C2-Benzanthracenes/Chrysenes	1009	20.18	0.0125	0.2475	0.0002	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0080	0.2556	0.0003	0.0081	0.2172	0.0002	< 0.0052 U	--	--	< 0.0050 U	--	--	0.0097	0.2407	0.0002	0.0027 J	0.1169	0.0001	< 0.0045 U	--	--
C2-Fluorenes	687	13.74	0.0068	0.1347	0.0002	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0062	0.1981	0.0003	0.0075	0.2011	0.0003	0.0029 J	0.1686	0.0002	< 0.0050 U	--	--	0.0042 J	0.1042	0.0002	< 0.0053 U	--	--	< 0.0045 U	--	--
C2-Naphthalenes	510	10.2	0.0093	0.1842	0.0004	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0112	0.3578	0.0007	0.0132	0.3539	0.0007	0.0052	0.3023	0.0006	0.0036 J	0.3333	0.0007	0.0059 J	0.1464	0.0003	0.0029 J	0.1255	0.0002	< 0.0045 U	--	--
C2-Phenanthrenes/Anthracenes	745	14.9	0.0141	0.2792	0.0004	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0134	0.4281	0.0006	0.0165	0.4424	0.0006	0.0048 J	0.2791	0.0004	< 0.0050 U	--	--	0.0113	0.2804	0.0004	0.0038 J	0.1645	0.0002	< 0.0045 U	--	--
C3-Benzanthracenes/Chrysenes	1213	24.26	< 0.0061 U	--	--	< 0.0045 U	--	--	< 0.0048 U	--	--	< 0.0059 U	--	--	< 0.0065 U	--	--	< 0.0052 U	--	--	< 0.0050 U	--	--	< 0.0060 U	--	--	< 0.0053 U	--	--	< 0.0045 U	--	--
C3-Fluorenes	768	15.36	< 0.0061 U	--	--	< 0.0045 U	--	--	< 0.0048 U	--	--	< 0.0059 U	--	--	< 0.0065 U	--	--	< 0.0052 U	--	--	< 0.0050 U	--	--	< 0.0060 U	--	--	< 0.0053 U	--	--	< 0.0045 U	--	--
C3-Naphthalenes	581	11.62	0.0089	0.1762	0.0003	0.0027 J	0.1429	0.0002	< 0.0048 U	--	--	0.0136	0.4345	0.0007	0.0208	0.5576	0.0010	0.0037 J	0.2151	0.0004	0.0025 J	0.2315	0.0004	0.0060	0.1489	0.0003	0.0030 J	0.1299	0.0002	< 0.0045 U	--	--
C3-Phenanthrenes/Anthracenes	830	16.6	0.0087	0.1723	0.0002	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0074	0.2364	0.0003	0.0099	0.2654	0.0003	< 0.0052 U	--	--	< 0.0050 U	--	--	0.0067	0.1663	0.0002	< 0.0053 U	--	--	< 0.0045 U	--	--
C4-Benzanthracenes/Chrysenes	1213	24.26	< 0.0061 U	--	--	< 0.0045 U	--	--	< 0.0048 U	--	--	< 0.0059 U	--	--	< 0.0065 U	--	--	< 0.0052 U	--	--	< 0.0050 U	--	--	< 0.0060 U	--	--	< 0.0053 U	--	--	< 0.0045 U	--	--
C4-Naphthalenes	657	13.14	0.0103	0.2040	0.0003	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0125	0.3994	0.0006	< 0.0065 U	--	--	0.0067	0.3895	0.0006	< 0.0050 U	--	--	0.0055 J	0.1365	0.0002	0.0027 J	0.1169	0.0002	< 0.0045 U	--	--
C4-Phenanthrenes/Anthracenes	670	13.4	< 0.0061 U	--	--	< 0.0045 U	--	--	< 0.0048 U	--	--	< 0.0059 U	--	--	< 0.0065 U	--	--	< 0.0052 U	--	--	< 0.0050 U	--	--	0.0031 J	0.0769	0.0001	< 0.0053 U	--	--	< 0.0045 U	--	--
CHRYSENE	843	16.86	0.0410	0.8119	0.0010	0.0030 J	0.1587	0.0002	< 0.0048 U	--	--	0.0350	1.1182	0.0013	0.0470	1.2601	0.0015	0.0060	0.3488	0.0004	< 0.0050 U	--	--	0.0453	1.1241	0.0013	0.0089	0.3853	0.0005	0.0037 J	0.7415	0.0009
DIBENZ(A,H)ANTHRACENE	1122	22.44	0.0073	0.1446	0.0001	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0052 J	0.1661	0.0001	0.0065	0.1743	0.0002	< 0.0052 U	--	--	< 0.0050 U	--	--	0.0067	0.1663	0.0001	< 0.0053 U	--	--	< 0.0045 U	--	--
FLUORANTHENE	708	14.16	0.0756	1.4970	0.0021	0.0052	0.2751	0.0004	< 0.0048 U	--	--	0.0629	2.0096	0.0028	0.0862	2.3110	0.0033	0.0101	0.5872	0.0008	< 0.0050 U	--	--	0.0789	1.9578	0.0028	0.0160	0.6926	0.0010	0.0069	1.3828	0.0020
FLUORENE	539	10.78	0.0050 J	0.0990	0.0002	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0044 J	0.1406	0.0003	0.0057 J	0.1528	0.0003	< 0.0052 U	--	--	< 0.0050 U	--	--	0.0032 J	0.0794	0.0001	< 0.0053 U	--	--	< 0.0045 U	--	--
INDENO(1,2,3-C,D)PYRENE	1115	22.3	0.0240	0.4752	0.0004	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0192 J	0.6134	0.0006	0.0233 J	0.6247	0.0006	0.0028 J	0.1628	0.0001	< 0.0050 U	--	--	0.0270	0.6700	0.0006	0.0045 J	0.1948	0.0002	< 0.0045 U	--	--
NAPHTHALENE	385	7.7	0.0093	0.1842	0.0005	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0125	0.3994	0.0010	0.0151	0.4048	0.0011	0.0047 J	0.2733	0.0007	< 0.0050 U	--	--	0.0058 J	0.1439	0.0004	0.0027 J	0.1169	0.0003	< 0.0045 U	--	--
PERYLENE	967	19.34	0.0095	0.1881	0.0002	< 0.0045 U	--	--	< 0.0048 U	--	--	0.0076	0.2428	0.0003	0.0092	0.2466	0.0003	< 0.0052 U	--	--	< 0.0050 U	--	--	0.0102	0.2531	0.0003	< 0.0053 U	--	--	< 0.0045 U	--	--
PHENANTHRENE	597	11.94	0.0451	0.8931	0.0015	0.0034 J	0.1799	0.0003	< 0.0048 U	--	--	0.0362	1.1565	0.0019	0.0479	1.2842	0.0022	0.0080	0.4651	0.0008	0.0028 J	0.2593	0.0004	0.0350	0.8685	0.0015	0.0098	0.4242	0.0007	0.0044 J	0.8818	0.0015
PYRENE	698	13.96	0.0645	1.2772	0.0018	0.0044 J	0.2328	0.0003	< 0.0048 U	--	--	0.0529	1.6901	0.0024	0.0724	1.9410	0.0028	0.0087	0.5058	0.0007	< 0.0050 U	--	--	0.0671	1.6650	0.0024	0.0134	0.5801	0.0008	0.0057	1.1423	0.0016
TOC	--	--	50500	--	--	18900	--	--	10300	--	--	31300	--	--	37300	--	--	17200	--	--	10800	--	--	40300	--	--	23100	--	--	4990	--	--
Total PAH Toxicity Units	--	--	--	--	0.0174	--	--	0.0024	--	--	0.0000	--	--	0.0242	--	--	0.0261	--	--	0.0095	--	--	0.0015	--	--	0.0198	--	--	0.0074	--	--	0.0102

Notes:
PAH - Polycyclic Aromatic Hydrocarbon.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
mg/kg - milligrams per kilogram.
µg/gOC - micrograms per gram of Organic Carbon.
TOC - Total Organic Carbon.
TU - Toxicity unit.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 5
PAH Screening Table with Calculated Toxicity Units
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria		Transect C																									
Sample ID			SDC1			SDC1			SDC1			SDC2			SDC2			SDC2			SDC3			SDC3			SDC3		
Sample Date			11/6/2013			11/6/2013			11/6/2013			11/6/2013			11/6/2013			11/6/2013			11/6/2013			11/6/2013			11/6/2013		
Sample Interval (inches)			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
ACENAPHTHENE	491	9.82	< 0.0066 U	--	--	< 0.0051 U	--	--	< 0.0050 U	--	--	< 0.0056 U	--	--	< 0.0050 U	--	--	< 0.0047 U	--	--	< 0.0049 U	--	--	< 0.0045 U	--	--	< 0.0046 U	--	--
ACENAPHTHYLENE	452	9.04	0.0085	0.2457	0.0005	0.0038 J	0.1891	0.0004	< 0.0050 U	--	--	0.0048 J	0.2202	0.0005	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0076	0.3858	0.0009	< 0.0045 U	--	--	< 0.0046 U	--	--
ANTHRACENE	594	11.88	0.0088	0.2543	0.0004	0.0040 J	0.1990	0.0003	< 0.0050 U	--	--	0.0043 J	0.1972	0.0003	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0077	0.3909	0.0007	< 0.0045 U	--	--	< 0.0046 U	--	--
BENZO(A)ANTHRACENE	841	16.82	0.0264	0.7630	0.0009	0.0120	0.5970	0.0007	< 0.0050 U	--	--	0.0094	0.4312	0.0005	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0178	0.9036	0.0011	< 0.0045 U	--	--	< 0.0046 U	--	--
BENZO(A)PYRENE	964	19.28	0.0336	0.9711	0.0010	0.0149	0.7413	0.0008	0.0029 J	0.2266	0.0002	0.0120	0.5505	0.0006	0.0030 J	0.4532	0.0005	< 0.0047 U	--	--	0.0205	1.0406	0.0011	0.0023 J	0.2312	0.0002	< 0.0046 U	--	--
BENZO(B)FLUORANTHENE	979	19.58	0.0317	0.9162	0.0009	0.0134	0.6667	0.0007	0.0030 J	0.2344	0.0002	0.0108	0.4954	0.0005	0.0025 J	0.3776	0.0004	< 0.0047 U	--	--	0.0183	0.9289	0.0009	< 0.0045 U	--	--	< 0.0046 U	--	--
BENZO(G,H,I)PERYLENE	1095	21.9	0.0224	0.6474	0.0006	0.0094	0.4677	0.0004	< 0.0050 U	--	--	0.0085	0.3899	0.0004	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0131	0.6650	0.0006	< 0.0045 U	--	--	< 0.0046 U	--	--
BENZO(K)FLUORANTHENE	980	19.6	0.0314	0.9075	0.0009	0.0136	0.6766	0.0007	0.0028 J	0.2188	0.0002	0.0112	0.5138	0.0005	0.0026 J	0.3927	0.0004	< 0.0047 U	--	--	0.0185	0.9391	0.0010	< 0.0045 U	--	--	< 0.0046 U	--	--
BENZO[E]PYRENE	967	19.34	0.0258	0.7457	0.0008	0.0108	0.5373	0.0006	< 0.0050 U	--	--	0.0091	0.4174	0.0004	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0150	0.7614	0.0008	< 0.0045 U	--	--	< 0.0046 U	--	--
C1-Benzanthracenes/Chrysenes	930	18.6	0.0148	0.4277	0.0005	0.0078	0.3881	0.0004	< 0.0050 U	--	--	0.0073	0.3349	0.0004	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0116	0.5888	0.0006	< 0.0045 U	--	--	< 0.0046 U	--	--
C1-Fluoranthenes/Pyrenes	769	15.38	0.0236	0.6821	0.0009	0.0124	0.6169	0.0008	0.0034 J	0.2656	0.0003	0.0124	0.5688	0.0007	0.0034 J	0.5136	0.0007	< 0.0047 U	--	--	0.0202	1.0254	0.0013	0.0034 J	0.3417	0.0004	0.0024 J	0.3519	0.0005
C1-Fluorenes	611	12.22	0.0038 J	0.1098	0.0002	0.0026 J	0.1294	0.0002	< 0.0050 U	--	--	0.0031 J	0.1422	0.0002	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0034 J	0.1726	0.0003	< 0.0045 U	--	--	< 0.0046 U	--	--
C1-Naphthalenes	445	8.9	0.0050 J	0.1445	0.0003	0.0034 J	0.1692	0.0004	< 0.0050 U	--	--	0.0057	0.2615	0.0006	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0056	0.2843	0.0006	< 0.0045 U	--	--	< 0.0046 U	--	--
C1-Phenanthrenes/Anthracenes	670	13.4	0.0165	0.4769	0.0007	0.0103	0.5124	0.0008	0.0038 J	0.2969	0.0004	0.0126	0.5780	0.0009	0.0034 J	0.5136	0.0008	< 0.0047 U	--	--	0.0183	0.9289	0.0014	0.0032 J	0.3216	0.0005	< 0.0046 U	--	--
C2-Benzanthracenes/Chrysenes	1009	20.18	0.0080	0.2312	0.0002	0.0039 J	0.1940	0.0002	< 0.0050 U	--	--	0.0048 J	0.2202	0.0002	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0059	0.2995	0.0003	< 0.0045 U	--	--	< 0.0046 U	--	--
C2-Fluorenes	687	13.74	0.0041 J	0.1185	0.0002	0.0026 J	0.1294	0.0002	< 0.0050 U	--	--	0.0038 J	0.1743	0.0003	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0043 J	0.2183	0.0003	< 0.0045 U	--	--	< 0.0046 U	--	--
C2-Naphthalenes	510	10.2	0.0056 J	0.1618	0.0003	0.0036 J	0.1791	0.0004	< 0.0050 U	--	--	0.0080	0.3670	0.0007	0.0034 J	0.5136	0.0010	0.0024 J	0.5298	0.0010	0.0089	0.4518	0.0009	0.0032 J	0.3216	0.0006	0.0042 J	0.6158	0.0012
C2-Phenanthrenes/Anthracenes	745	14.9	0.0082	0.2370	0.0003	0.0055	0.2736	0.0004	< 0.0050 U	--	--	0.0067	0.3073	0.0004	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0112	0.5685	0.0008	< 0.0045 U	--	--	< 0.0046 U	--	--
C3-Benzanthracenes/Chrysenes	1213	24.26	< 0.0066 U	--	--	< 0.0051 U	--	--	< 0.0050 U	--	--	< 0.0056 U	--	--	< 0.0050 U	--	--	< 0.0047 U	--	--	< 0.0049 U	--	--	< 0.0045 U	--	--	< 0.0046 U	--	--
C3-Fluorenes	768	15.36	< 0.0066 U	--	--	< 0.0051 U	--	--	< 0.0050 U	--	--	< 0.0056 U	--	--	< 0.0050 U	--	--	< 0.0047 U	--	--	< 0.0049 U	--	--	< 0.0045 U	--	--	< 0.0046 U	--	--
C3-Naphthalenes	581	11.62	0.0068	0.1965	0.0003	0.0034 J	0.1692	0.0003	< 0.0050 U	--	--	0.0066	0.3028	0.0005	0.0031 J	0.4683	0.0008	< 0.0047 U	--	--	0.0063	0.3198	0.0006	0.0030 J	0.3015	0.0005	0.0027 J	0.3959	0.0007
C3-Phenanthrenes/Anthracenes	830	16.6	0.0049 J	0.1416	0.0002	0.0026 J	0.1294	0.0002	< 0.0050 U	--	--	0.0037 J	0.1697	0.0002	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0059	0.2995	0.0004	< 0.0045 U	--	--	< 0.0046 U	--	--
C4-Benzanthracenes/Chrysenes	1213	24.26	< 0.0066 U	--	--	< 0.0051 U	--	--	< 0.0050 U	--	--	< 0.0056 U	--	--	< 0.0050 U	--	--	< 0.0047 U	--	--	< 0.0049 U	--	--	< 0.0045 U	--	--	< 0.0046 U	--	--
C4-Naphthalenes	657	13.14	0.0052 J	0.1503	0.0002	0.0032 J	0.1592	0.0002	< 0.0050 U	--	--	0.0063	0.2890	0.0004	0.0045 J	0.6798	0.0010	0.0038 J	0.8389	0.0013	0.0063	0.3198	0.0005	0.0043 J	0.4322	0.0007	0.0048	0.7038	0.0011
C4-Phenanthrenes/Anthracenes	670	13.4	< 0.0066 U	--	--	< 0.0051 U	--	--	< 0.0050 U	--	--	< 0.0056 U	--	--	< 0.0050 U	--	--	< 0.0047 U	--	--	< 0.0049 U	--	--	< 0.0045 U	--	--	< 0.0046 U	--	--
CHRYSENE	843	16.86	0.0387	1.1185	0.0013	0.0175	0.8706	0.0010	0.0038 J	0.2969	0.0004	0.0151	0.6927	0.0008	0.0035 J	0.5287	0.0006	< 0.0047 U	--	--	0.0246	1.2487	0.0015	0.0028 J	0.2814	0.0003	< 0.0046 U	--	--
DIBENZ(A,H)ANTHRACENE	1122	22.44	0.0057 J	0.1647	0.0001	< 0.0051 U	--	--	< 0.0050 U	--	--	0.0036 J	0.1651	0.0001	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0037 J	0.1878	0.0002	< 0.0045 U	--	--	< 0.0046 U	--	--
FLUORANTHENE	708	14.16	0.0651	1.8815	0.0027	0.0302	1.5025	0.0021	0.0068	0.5313	0.0008	0.0256	1.1743	0.0017	0.0059	0.8912	0.0013	< 0.0047 U	--	--	0.0446	2.2640	0.0032	0.0044 J	0.4422	0.0006	< 0.0046 U	--	--
FLUORENE	539	10.78	0.0034 J	0.0983	0.0002	< 0.0051 U	--	--	< 0.0050 U	--	--	< 0.0056 U	--	--	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0033 J	0.1675	0.0003	< 0.0045 U	--	--	< 0.0046 U	--	--
INDENO(1,2,3-C,D)PYRENE	1115	22.3	0.0235	0.6792	0.0006	0.0094	0.4677	0.0004	< 0.0050 U	--	--	0.0085	0.3899	0.0003	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0127	0.6447	0.0006	< 0.0045 U	--	--	< 0.0046 U	--	--
NAPHTHALENE	385	7.7	0.0065 J	0.1879	0.0005	0.0045 J	0.2239	0.0006	0.0027 J	0.2109	0.0005	0.0079	0.3624	0.0009	0.0033 J	0.4985	0.0013	< 0.0047 U	--	--	0.0079	0.4010	0.0010	0.0024 J	0.2412	0.0006	< 0.0046 U	--	--
PERYLENE	967	19.34	0.0084	0.2428	0.0003	0.0036 J	0.1791	0.0002	< 0.0050 U	--	--	0.0029 J	0.1330	0.0001	< 0.0050 U	--	--	< 0.0047 U	--	--	0.0051	0.2589	0.0003	< 0.0045 U	--	--	< 0.0046 U	--	--
PHENANTHRENE	597	11.94	0.0321	0.9277	0.0016	0.0170	0.8458	0.0014	0.0050	0.3906	0.0007	0.0162	0.7431	0.0012	0.0051	0.7704	0.0013	0.0027 J	0.5960	0.0010	0.0257	1.3046	0.0022	0.0034 J	0.3417	0.0006	0.0025 J	0.3666	0.0006
PYRENE	698	13.96	0.0544	1.5723	0.0023	0.0252	1.2537	0.0018	0.0055	0.4297	0.0006	0.0217	0.9954	0.0014	0.0050	0.7553	0.0011	< 0.0047 U	--	--	0.0379	1.9239	0.0028	0.0038 J	0.3819	0.0005	< 0.0046 U	--	--
TOC	--	--	34600	--	--	20100	--	--	12800	--	--	21800	--	--	6620	--	--	4530	--	--	19700	--	--	9950	--	--	6820	--	--
Total PAH Toxicity Units	--	--	--	--	0.0199	--	--	0.0165	--	--	0.0044	--	--	0.0160	--	--	0.0111	--	--	0.0033	--	--	0.0269	--	--	0.0057	--	--	0.0040

Notes:
PAH - Polycyclic Aromatic Hydrocarbon.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
mg/kg - milligrams per kilogram.
µg/gOC - micrograms per gram of Organic Carbon.
TOC - Total Organic Carbon.
TU - Toxicity unit.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 5
PAH Screening Table with Calculated Toxicity Units
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria		Transect C																	
Sample ID			SDC4			SDC4			SDC4			SDC5			SDC5			SDC5		
Sample Date			11/8/2013			11/8/2013			11/8/2013			11/7/2013			11/7/2013			11/7/2013		
Sample Interval (inches)			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
ACENAPHTHENE	491	9.82	< 0.0063 U	--	--	< 0.0046 U	--	--	< 0.0044 U	--	--	< 0.0067 U	--	--	< 0.0060 U	--	--	< 0.0045 U	--	--
ACENAPHTHYLENE	452	9.04	0.0110	0.2670	0.0006	< 0.0046 U	--	--	< 0.0044 U	--	--	0.0087	0.2444	0.0005	0.0033 J	0.1610	0.0004	< 0.0045 U	--	--
ANTHRACENE	594	11.88	0.0113	0.2743	0.0005	< 0.0046 U	--	--	< 0.0044 U	--	--	0.0079	0.2219	0.0004	0.0031 J	0.1512	0.0003	< 0.0045 U	--	--
BENZO(A)ANTHRACENE	841	16.82	0.0259	0.6286	0.0007	0.0037 J	0.6631	0.0008	< 0.0044 U	--	--	0.0210	0.5899	0.0007	0.0069	0.3366	0.0004	< 0.0045 U	--	--
BENZO(A)PYRENE	964	19.28	0.0295	0.7160	0.0007	0.0044 J	0.7885	0.0008	< 0.0044 U	--	--	0.0236	0.6629	0.0007	0.0079	0.3854	0.0004	< 0.0045 U	--	--
BENZO(B)FLUORANTHENE	979	19.58	0.0235	0.5704	0.0006	0.0035 J	0.6272	0.0006	< 0.0044 U	--	--	0.0202	0.5674	0.0006	0.0066	0.3220	0.0003	< 0.0045 U	--	--
BENZO(G,H,I)PERYLENE	1095	21.9	0.0178	0.4320	0.0004	0.0026 J	0.4659	0.0004	< 0.0044 U	--	--	0.0135	0.3792	0.0003	0.0047 J	0.2293	0.0002	< 0.0045 U	--	--
BENZO(K)FLUORANTHENE	980	19.6	0.0268	0.6505	0.0007	< 0.0046 U	--	--	< 0.0044 U	--	--	0.0209	0.5871	0.0006	0.0067	0.3268	0.0003	< 0.0045 U	--	--
BENZO[E]PYRENE	967	19.34	0.0196	0.4757	0.0005	0.0029 J	0.5197	0.0005	< 0.0044 U	--	--	0.0161	0.4522	0.0005	0.0053 J	0.2585	0.0003	< 0.0045 U	--	--
C1-Benzanthracenes/Chrysenes	930	18.6	0.0168	0.4078	0.0004	0.0024 J	0.4301	0.0005	< 0.0044 U	--	--	0.0128	0.3596	0.0004	0.0051 J	0.2488	0.0003	< 0.0045 U	--	--
C1-Fluoranthenes/Pyrenes	769	15.38	0.0287	0.6966	0.0009	0.0043 J	0.7706	0.0010	< 0.0044 U	--	--	0.0222	0.6236	0.0008	0.0083	0.4049	0.0005	< 0.0045 U	--	--
C1-Fluorenes	611	12.22	0.0039 J	0.0947	0.0002	< 0.0046 U	--	--	< 0.0044 U	--	--	< 0.0067 U	--	--	< 0.0060 U	--	--	< 0.0045 U	--	--
C1-Naphthalenes	445	8.9	0.0063	0.1529	0.0003	< 0.0046 U	--	--	< 0.0044 U	--	--	< 0.0067 U	--	--	< 0.0060 U	--	--	< 0.0045 U	--	--
C1-Phenanthrenes/Anthracenes	670	13.4	0.0256	0.6214	0.0009	< 0.0046 U	--	--	< 0.0044 U	--	--	0.0175	0.4916	0.0007	0.0075	0.3659	0.0005	< 0.0045 U	--	--
C2-Benzanthracenes/Chrysenes	1009	20.18	0.0078	0.1893	0.0002	< 0.0046 U	--	--	< 0.0044 U	--	--	0.0069	0.1938	0.0002	< 0.0060 U	--	--	< 0.0045 U	--	--
C2-Fluorenes	687	13.74	0.0078	0.1893	0.0003	0.0023 J	0.4122	0.0006	< 0.0044 U	--	--	< 0.0067 U	--	--	< 0.0060 U	--	--	< 0.0045 U	--	--
C2-Naphthalenes	510	10.2	0.0098	0.2379	0.0005	< 0.0046 U	--	--	< 0.0044 U	--	--	0.0045 J	0.1264	0.0002	0.0034 J	0.1659	0.0003	< 0.0045 U	--	--
C2-Phenanthrenes/Anthracenes	745	14.9	0.0188	0.4563	0.0006	0.0032 J	0.5735	0.0008	< 0.0044 U	--	--	0.0097	0.2725	0.0004	0.0040 J	0.1951	0.0003	< 0.0045 U	--	--
C3-Benzanthracenes/Chrysenes	1213	24.26	< 0.0063 U	--	--	< 0.0046 U	--	--	< 0.0044 U	--	--	< 0.0067 U	--	--	< 0.0060 U	--	--	< 0.0045 U	--	--
C3-Fluorenes	768	15.36	0.0054 J	0.1311	0.0002	< 0.0046 U	--	--	< 0.0044 U	--	--	< 0.0067 U	--	--	< 0.0060 U	--	--	< 0.0045 U	--	--
C3-Naphthalenes	581	11.62	0.0108	0.2621	0.0005	< 0.0046 U	--	--	< 0.0044 U	--	--	0.0057 J	0.1601	0.0003	0.0035 J	0.1707	0.0003	< 0.0045 U	--	--
C3-Phenanthrenes/Anthracenes	830	16.6	0.0096	0.2330	0.0003	< 0.0046 U	--	--	< 0.0044 U	--	--	0.0050 J	0.1404	0.0002	< 0.0060 U	--	--	< 0.0045 U	--	--
C4-Benzanthracenes/Chrysenes	1213	24.26	< 0.0063 U	--	--	< 0.0046 U	--	--	< 0.0044 U	--	--	< 0.0067 U	--	--	< 0.0060 U	--	--	< 0.0045 U	--	--
C4-Naphthalenes	657	13.14	0.0125	0.3034	0.0005	< 0.0046 U	--	--	< 0.0044 U	--	--	< 0.0067 U	--	--	< 0.0060 U	--	--	< 0.0045 U	--	--
C4-Phenanthrenes/Anthracenes	670	13.4	0.0033 J	0.0801	0.0001	< 0.0046 U	--	--	< 0.0044 U	--	--	< 0.0067 U	--	--	< 0.0060 U	--	--	< 0.0045 U	--	--
CHRYSENE	843	16.86	0.0334	0.8107	0.0010	0.0046	0.8244	0.0010	< 0.0044 U	--	--	0.0278	0.7809	0.0009	0.0092	0.4488	0.0005	< 0.0045 U	--	--
DIBENZ(A,H)ANTHRACENE	1122	22.44	< 0.0063 U	--	--	< 0.0046 U	--	--	< 0.0044 U	--	--	0.0038 J	0.1067	0.0001	< 0.0060 U	--	--	< 0.0045 U	--	--
FLUORANTHENE	708	14.16	0.0598	1.4515	0.0021	0.0078	1.3978	0.0020	< 0.0044 U	--	--	0.0514	1.4438	0.0020	0.0173	0.8439	0.0012	< 0.0045 U	--	--
FLUORENE	539	10.78	< 0.0063 U	--	--	< 0.0046 U	--	--	< 0.0044 U	--	--	< 0.0067 U	--	--	< 0.0060 U	--	--	< 0.0045 U	--	--
INDENO(1,2,3-C,D)PYRENE	1115	22.3	0.0183	0.4442	0.0004	0.0026 J	0.4659	0.0004	< 0.0044 U	--	--	0.0143	0.4017	0.0004	0.0046 J	0.2244	0.0002	< 0.0045 U	--	--
NAPHTHALENE	385	7.7	< 0.0063 U	--	--	< 0.0046 U	--	--	< 0.0044 U	--	--	0.0051 J	0.1433	0.0004	0.0032 J	0.1561	0.0004	< 0.0045 U	--	--
PERYLENE	967	19.34	0.0070	0.1699	0.0002	< 0.0046 U	--	--	< 0.0044 U	--	--	0.0061 J	0.1713	0.0002	< 0.0060 U	--	--	< 0.0045 U	--	--
PHENANTHRENE	597	11.94	0.0325	0.7888	0.0013	< 0.0046 U	--	--	< 0.0044 U	--	--	0.0256	0.7191	0.0012	0.0109	0.5317	0.0009	< 0.0045 U	--	--
PYRENE	698	13.96	0.0515	1.2500	0.0018	0.0067	1.2007	0.0017	< 0.0044 U	--	--	0.0432	1.2135	0.0017	0.0144	0.7024	0.0010	< 0.0045 U	--	--
TOC	--	--	41200	--	--	5580	--	--	3100	--	--	35600	--	--	20500	--	--	1900	--	--
Total PAH Toxicity Units	--	--	--	--	0.0172	--	--	0.0111	--	--	0.0000	--	--	0.0144	--	--	0.0090	--	--	0.0000

Notes:
PAH - Polycyclic Aromatic Hydrocarbon.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
mg/kg - milligrams per kilogram.
µg/gOC - micrograms per gram of Organic Carbon.
TOC - Total Organic Carbon.
TU - Toxicity unit.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 5
PAH Screening Table with Calculated Toxicity Units
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect			Transect D																								
Sample ID	NYSDEC Screening Criteria		SDD1			SDD1			SDD1			SDD2			SDD2			SDD2			SDD3			SDD3			SDD3		
Sample Date			11/6/2013			11/6/2013			11/6/2013			11/7/2013			11/7/2013			11/7/2013			11/8/2013			11/8/2013			11/8/2013		
Sample Interval (inches)			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
ACENAPHTHENE	491	9.82	< 0.0062 U	--	--	< 0.0050 U	--	--	< 0.0048 U	--	--	< 0.0054 U	--	--	< 0.0050 U	--	--	< 0.0049 U	--	--	< 0.0050 U	--	--	< 0.0043 U	--	--	< 0.0042 U	--	--
ACENAPHTHYLENE	452	9.04	0.0114	0.2365	0.0005	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0107	0.3702	0.0008	0.0028 J	0.2667	0.0006	< 0.0049 U	--	--	0.0080	0.3540	0.0008	< 0.0043 U	--	--	< 0.0042 U	--	--
ANTHRACENE	594	11.88	0.0110	0.2282	0.0004	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0108	0.3737	0.0006	< 0.0050 U	--	--	< 0.0049 U	--	--	0.0090	0.3982	0.0007	< 0.0043 U	--	--	< 0.0042 U	--	--
BENZO(A)ANTHRACENE	841	16.82	0.0337	0.6992	0.0008	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0252	0.8720	0.0010	0.0048 J	0.4571	0.0005	0.0031 J	0.3418	0.0004	0.0244	1.0796	0.0013	0.0024 J	0.8727	0.0010	< 0.0042 U	--	--
BENZO(A)PYRENE	964	19.28	0.0429	0.8900	0.0009	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0295	1.0208	0.0011	0.0057	0.5429	0.0006	0.0037 J	0.4079	0.0004	0.0267	1.1814	0.0012	0.0030 J	1.0909	0.0011	< 0.0042 U	--	--
BENZO(B)FLUORANTHENE	979	19.58	0.0387	0.8029	0.0008	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0264	0.9135	0.0009	0.0049 J	0.4667	0.0005	0.0032 J	0.3528	0.0004	0.0212	0.9381	0.0010	0.0026 J	0.9455	0.0010	< 0.0042 U	--	--
BENZO(G,H,I)PERYLENE	1095	21.9	0.0273	0.5664	0.0005	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0194	0.6713	0.0006	0.0036 J	0.3429	0.0003	< 0.0049 U	--	--	0.0160	0.7080	0.0006	< 0.0043 U	--	--	< 0.0042 U	--	--
BENZO(K)FLUORANTHENE	980	19.6	0.0395	0.8195	0.0008	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0270	0.9343	0.0010	0.0050	0.4762	0.0005	0.0033 J	0.3638	0.0004	0.0223	0.9867	0.0010	< 0.0043 U	--	--	< 0.0042 U	--	--
BENZO[E]PYRENE	967	19.34	0.0311	0.6452	0.0007	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0218	0.7543	0.0008	0.0041 J	0.3905	0.0004	0.0027 J	0.2977	0.0003	0.0179	0.7920	0.0008	< 0.0043 U	--	--	< 0.0042 U	--	--
C1-Benzanthracenes/Chrysenes	930	18.6	0.0223	0.4627	0.0005	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0166	0.5744	0.0006	0.0036 J	0.3429	0.0004	< 0.0049 U	--	--	0.0141	0.6239	0.0007	< 0.0043 U	--	--	< 0.0042 U	--	--
C1-Fluoranthenes/Pyrenes	769	15.38	0.0350	0.7261	0.0009	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0286	0.9896	0.0013	0.0076	0.7238	0.0009	0.0054	0.5954	0.0008	0.0258	1.1416	0.0015	0.0035 J	1.2727	0.0017	< 0.0042 U	--	--
C1-Fluorenes	611	12.22	0.0050 J	0.1037	0.0002	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0050 J	0.1730	0.0003	0.0035 J	0.3333	0.0005	0.0029 J	0.3197	0.0005	0.0032 J	0.1416	0.0002	< 0.0043 U	--	--	0.0025 J	0.6394	0.0010
C1-Naphthalenes	445	8.9	0.0066	0.1369	0.0003	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0082	0.2837	0.0006	< 0.0050 U	--	--	< 0.0049 U	--	--	< 0.0050 U	--	--	< 0.0043 U	--	--	< 0.0042 U	--	--
C1-Phenanthrenes/Anthracenes	670	13.4	0.0279	0.5788	0.0009	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0261	0.9031	0.0013	0.0081	0.7714	0.0012	0.0055	0.6064	0.0009	0.0229	1.0133	0.0015	< 0.0043 U	--	--	0.0065	1.6624	0.0025
C2-Benzanthracenes/Chrysenes	1009	20.18	0.0109	0.2261	0.0002	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0095	0.3287	0.0003	< 0.0050 U	--	--	< 0.0049 U	--	--	0.0046 J	0.2035	0.0002	< 0.0043 U	--	--	< 0.0042 U	--	--
C2-Fluorenes	687	13.74	0.0061 J	0.1266	0.0002	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0063	0.2180	0.0003	< 0.0050 U	--	--	0.0025 J	0.2756	0.0004	0.0054	0.2389	0.0003	0.0025 J	0.9091	0.0013	0.0046	1.1765	0.0017
C2-Naphthalenes	510	10.2	0.0085	0.1763	0.0003	< 0.0050 U	--	--	0.0025 J	0.1420	0.0003	0.0170	0.5882	0.0012	0.0197	1.8762	0.0037	0.0083	0.9151	0.0018	0.0074	0.3274	0.0006	< 0.0043 U	--	--	< 0.0042 U	--	--
C2-Phenanthrenes/Anthracenes	745	14.9	0.0155	0.3216	0.0004	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0143	0.4948	0.0007	< 0.0050 U	--	--	0.0030 J	0.3308	0.0004	0.0162	0.7168	0.0010	0.0046	1.6727	0.0022	0.0071	1.8159	0.0024
C3-Benzanthracenes/Chrysenes	1213	24.26	< 0.0062 U	--	--	< 0.0050 U	--	--	< 0.0048 U	--	--	< 0.0054 U	--	--	< 0.0050 U	--	--	< 0.0049 U	--	--	< 0.0050 U	--	--	< 0.0043 U	--	--	< 0.0042 U	--	--
C3-Fluorenes	768	15.36	< 0.0062 U	--	--	< 0.0050 U	--	--	< 0.0048 U	--	--	< 0.0054 U	--	--	< 0.0050 U	--	--	< 0.0049 U	--	--	0.0043 J	0.1903	0.0002	< 0.0043 U	--	--	0.0041 J	1.0486	0.0014
C3-Naphthalenes	581	11.62	0.0077	0.1598	0.0003	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0175	0.6055	0.0010	0.0088	0.8381	0.0014	0.0057	0.6284	0.0011	0.0067	0.2965	0.0005	0.0045	1.6364	0.0028	0.0056	1.4322	0.0025
C3-Phenanthrenes/Anthracenes	830	16.6	0.0079	0.1639	0.0002	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0084	0.2907	0.0004	< 0.0050 U	--	--	< 0.0049 U	--	--	0.0070	0.3097	0.0004	0.0025 J	0.9091	0.0011	0.0032 J	0.8184	0.0010
C4-Benzanthracenes/Chrysenes	1213	24.26	< 0.0062 U	--	--	< 0.0050 U	--	--	< 0.0048 U	--	--	< 0.0054 U	--	--	< 0.0050 U	--	--	< 0.0049 U	--	--	< 0.0050 U	--	--	< 0.0043 U	--	--	< 0.0042 U	--	--
C4-Naphthalenes	657	13.14	0.0066	0.1369	0.0002	< 0.0050 U	--	--	< 0.0048 U	--	--	< 0.0054 U	--	--	< 0.0050 U	--	--	< 0.0049 U	--	--	0.0070	0.3097	0.0005	0.0062	2.2545	0.0034	0.0096	2.4552	0.0037
C4-Phenanthrenes/Anthracenes	670	13.4	< 0.0062 U	--	--	< 0.0050 U	--	--	< 0.0048 U	--	--	< 0.0054 U	--	--	< 0.0050 U	--	--	< 0.0049 U	--	--	0.0033 J	0.1460	0.0002	< 0.0043 U	--	--	< 0.0042 U	--	--
CHRYSENE	843	16.86	0.0495	1.0270	0.0012	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0360	1.2457	0.0015	0.0071	0.6762	0.0008	0.0045 J	0.4961	0.0006	0.0307	1.3584	0.0016	< 0.0043 U	--	--	< 0.0042 U	--	--
DIBENZ(A,H)ANTHRACENE	1122	22.44	0.0070	0.1452	0.0001	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0047 J	0.1626	0.0001	< 0.0050 U	--	--	< 0.0049 U	--	--	< 0.0050 U	--	--	< 0.0043 U	--	--	< 0.0042 U	--	--
FLUORANTHENE	708	14.16	0.0855	1.7739	0.0025	0.0031 J	0.1802	0.0003	0.0028 J	0.1591	0.0002	0.0634	2.1938	0.0031	0.0118	1.1238	0.0016	0.0076	0.8379	0.0012	0.0552	2.4425	0.0034	0.0055	2.0000	0.0028	< 0.0042 U	--	--
FLUORENE	539	10.78	0.0040 J	0.0830	0.0002	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0044 J	0.1522	0.0003	0.0026 J	0.2476	0.0005	< 0.0049 U	--	--	< 0.0050 U	--	--	< 0.0043 U	--	--	< 0.0042 U	--	--
INDENO(1,2,3-C,D)PYRENE	1115	22.3	0.0288	0.5975	0.0005	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0194 J	0.6713	0.0006	0.0034 J	0.3238	0.0003	< 0.0049 U	--	--	0.0163	0.7212	0.0006	< 0.0043 U	--	--	< 0.0042 U	--	--
NAPHTHALENE	385	7.7	0.0075	0.1556	0.0004	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0106	0.3668	0.0010	0.0047 J	0.4476	0.0012	0.0044 J	0.4851	0.0013	< 0.0050 U	--	--	< 0.0043 U	--	--	< 0.0042 U	--	--
PERYLENE	967	19.34	0.0099	0.2054	0.0002	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0071	0.2457	0.0003	< 0.0050 U	--	--	< 0.0049 U	--	--	0.0065	0.2876	0.0003	< 0.0043 U	--	--	< 0.0042 U	--	--
PHENANTHRENE	597	11.94	0.0435	0.9025	0.0015	< 0.0050 U	--	--	< 0.0048 U	--	--	0.0349	1.2076	0.0020	0.0085	0.8095	0.0014	0.0065	0.7166	0.0012	0.0306	1.3540	0.0023	< 0.0043 U	--	--	< 0.0042 U	--	--
PYRENE	698	13.96	0.0725	1.5041	0.0022	0.0030 J	0.1744	0.0002	0.0024 J	0.1364	0.0002	0.0536	1.8547	0.0027	0.0101	0.9619	0.0014	0.0066	0.7277	0.0010	0.0502	2.2212	0.0032	0.0049	1.7818	0.0026	< 0.0042 U	--	--
TOC	--	--	48200	--	--	17200	--	--	17600	--	--	28900	--	--	10500	--	--	9070	--	--	22600	--	--	2750	--	--	3910	--	--
Total PAH Toxicity Units	--	--	--	--	0.0190	--	--	0.0005	--	--	0.0007	--	--	0.0263	--	--	0.0185	--	--	0.0131	--	--	0.0267	--	--	0.0211	--	--	0.0162

Notes:
PAH - Polycyclic Aromatic Hydrocarbon.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
mg/kg - milligrams per kilogram.
µg/gOC - micrograms per gram of Organic Carbon.
TOC - Total Organic Carbon.
TU - Toxicity unit.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 5
PAH Screening Table with Calculated Toxicity Units
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect			Transect E																															
Sample ID	NYSDEC Screening Criteria		SDE1			SDE1			SDE1			SDE2			SDE2			SDE2			SDE3			SDE3			SDE3			SDE4			SDE4		
Sample Date			11/6/2013			11/6/2013			11/6/2013			11/6/2013			11/6/2013			11/6/2013			11/8/2013			11/8/2013			11/8/2013			11/8/2013			11/8/2013		
Sample Interval (inches)			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
ACENAPHTHENE	491	9.82	0.0058 J	0.1841	0.0004	< 0.0045 U	--	--	< 0.0044 U	--	--	< 0.0060 U	--	--	< 0.0053 U	--	--	< 0.0044 U	--	--	< 0.0049 U	--	--	< 0.0043 U	--	--	< 0.0042 U	--	--	< 0.0058 U	--	--	< 0.0070 U	--	--	< 0.0067 U	--	--
ACENAPHTHYLENE	452	9.04	0.0216	0.6857	0.0015	0.0060	0.2510	0.0006	< 0.0044 U	--	--	0.0066	0.2000	0.0004	< 0.0053 U	--	--	< 0.0044 U	--	--	0.0093	0.3163	0.0007	0.0042 J	0.2132	0.0005	< 0.0042 U	--	--	0.0133	0.2131	0.0005	0.0143	0.2049	0.0005	0.0140	0.2393	0.0005
ANTHRACENE	594	11.88	0.0203	0.6444	0.0011	0.0054	0.2259	0.0004	< 0.0044 U	--	--	0.0075	0.2273	0.0004	< 0.0053 U	--	--	< 0.0044 U	--	--	0.0107	0.3639	0.0006	0.0038 J	0.1929	0.0003	< 0.0042 U	--	--	0.0151	0.2420	0.0004	0.0146	0.2092	0.0004	0.0149	0.2547	0.0004
BENZO(A)ANTHRACENE	841	16.82	0.0659	2.0921	0.0025	0.0144	0.6025	0.0007	< 0.0044 U	--	--	0.0276	0.8364	0.0010	< 0.0053 U	--	--	0.0031 J	0.8267	0.0010	0.0268	0.9116	0.0011	0.0085	0.4315	0.0005	< 0.0042 U	--	--	0.0386	0.6186	0.0007	0.0300	0.4298	0.0005	0.0320	0.5470	0.0007
BENZO(A)PYRENE	964	19.28	0.0835	2.6508	0.0027	0.0178	0.7448	0.0008	< 0.0044 U	--	--	0.0326	0.9879	0.0010	0.0032 J	0.1951	0.0002	0.0033 J	0.8800	0.0009	0.0306	1.0408	0.0011	0.0096	0.4873	0.0005	< 0.0042 U	--	--	0.0440	0.7051	0.0007	0.0348	0.4986	0.0005	0.0369	0.6308	0.0007
BENZO(B)FLUORANTHENE	979	19.58	0.0747	2.3714	0.0024	0.0153	0.6402	0.0007	< 0.0044 U	--	--	0.0316	0.9576	0.0010	0.0030 J	0.1829	0.0002	0.0035 J	0.9333	0.0010	0.0254	0.8639	0.0009	0.0078	0.3959	0.0004	< 0.0042 U	--	--	0.0376	0.6026	0.0006	0.0290	0.4155	0.0004	0.0307	0.5248	0.0005
BENZO(G,H,I)PERYLENE	1095	21.9	0.0524	1.6635	0.0015	0.0112	0.4686	0.0004	< 0.0044 U	--	--	0.0268	0.8121	0.0007	< 0.0053 U	--	--	0.0033 J	0.8800	0.0008	0.0186	0.6327	0.0006	0.0058	0.2944	0.0003	< 0.0042 U	--	--	0.0284	0.4551	0.0004	0.0233	0.3338	0.0003	0.0239	0.4085	0.0004
BENZO(K)FLUORANTHENE	980	19.6	0.0752	2.3873	0.0024	0.0167	0.6987	0.0007	< 0.0044 U	--	--	0.0325	0.9848	0.0010	0.0029 J	0.1768	0.0002	0.0034 J	0.9067	0.0009	0.0281	0.9558	0.0010	0.0085	0.4315	0.0004	< 0.0042 U	--	--	0.0397	0.6362	0.0006	0.0315	0.4513	0.0005	0.0333	0.5692	0.0006
BENZO[E]PYRENE	967	19.34	0.0594	1.8857	0.0020	0.0126	0.5272	0.0005	< 0.0044 U	--	--	0.0159	0.4818	0.0005	< 0.0053 U	--	--	0.0031 J	0.8267	0.0009	0.0211	0.7177	0.0007	0.0064	0.3249	0.0003	< 0.0042 U	--	--	0.0319	0.5112	0.0005	0.0263	0.3768	0.0004	0.0269	0.4598	0.0005
C1-Benzanthracenes/Chrysenes	930	18.6	0.0409	1.2984	0.0014	0.0107	0.4477	0.0005	< 0.0044 U	--	--	0.0135	0.4091	0.0004	< 0.0053 U	--	--	< 0.0044 U	--	--	0.0159	0.5408	0.0006	0.0059	0.2995	0.0003	< 0.0042 U	--	--	0.0297	0.4760	0.0005	0.0292	0.4183	0.0004	0.0318	0.5436	0.0006
C1-Fluoranthenes/Pyrenes	769	15.38	0.0646	2.0508	0.0027	0.0162	0.6778	0.0009	< 0.0044 U	--	--	0.0205	0.6212	0.0008	0.0032 J	0.1951	0.0003	0.0025 J	0.6667	0.0009	0.0269	0.9150	0.0012	0.0099	0.5025	0.0007	< 0.0042 U	--	--	0.0457	0.7324	0.0010	0.0418	0.5989	0.0008	0.0454	0.7761	0.0010
C1-Fluorenes	611	12.22	0.0062	0.1968	0.0003	0.0025 J	0.1046	0.0002	< 0.0044 U	--	--	0.0039 J	0.1182	0.0002	< 0.0053 U	--	--	< 0.0044 U	--	--	0.0032 J	0.1088	0.0002	< 0.0043 U	--	--	< 0.0042 U	--	--	0.0067	0.1074	0.0002	0.0069 J	0.0989	0.0002	0.0090	0.1538	0.0003
C1-Naphthalenes	445	8.9	0.0091	0.2889	0.0006	0.0034 J	0.1423	0.0003	< 0.0044 U	--	--	0.0112	0.3394	0.0008	< 0.0053 U	--	--	< 0.0044 U	--	--	0.0154	0.5238	0.0012	< 0.0043 U	--	--	< 0.0042 U	--	--	0.0820	1.3141	0.0030	0.0788	1.1289	0.0025	0.0920	1.5726	0.0035
C1-Phenanthrenes/Anthracenes	670	13.4	0.0476	1.5111	0.0023	0.0137	0.5732	0.0009	< 0.0044 U	--	--	0.0193	0.5848	0.0009	0.0038 J	0.2317	0.0003	0.0027 J	0.7200	0.0011	0.0259	0.8810	0.0013	0.0094	0.4772	0.0007	< 0.0042 U	--	--	0.0696	1.1154	0.0017	0.0699	1.0014	0.0015	0.0843	1.4410	0.0022
C2-Benzanthracenes/Chrysenes	1009	20.18	0.0187	0.5937	0.0006	0.0057	0.2385	0.0002	< 0.0044 U	--	--	0.0073	0.2212	0.0002	< 0.0053 U	--	--	< 0.0044 U	--	--	0.0076	0.2585	0.0003	0.0035 J	0.1777	0.0002	< 0.0042 U	--	--	0.0166	0.2660	0.0003	0.0205	0.2937	0.0003	0.0188	0.3214	0.0003
C2-Fluorenes	687	13.74	0.0086	0.2730	0.0004	0.0030 J	0.1255	0.0002	< 0.0044 U	--	--	0.0048 J	0.1455	0.0002	< 0.0053 U	--	--	< 0.0044 U	--	--	0.0060	0.2041	0.0003	0.0029 J	0.1472	0.0002	< 0.0042 U	--	--	0.0148	0.2372	0.0003	0.0166	0.2378	0.0003	0.0217	0.3709	0.0005
C2-Naphthalenes	510	10.2	0.0112	0.3556	0.0007	0.0043 J	0.1799	0.0004	< 0.0044 U	--	--	0.0110	0.3333	0.0007	0.0030 J	0.1829	0.0004	0.0026 J	0.6933	0.0014	0.0214	0.7279	0.0014	0.0051	0.2589	0.0005	< 0.0042 U	--	--	0.0914	1.4647	0.0029	0.0991	1.4198	0.0028	0.114	1.9487	0.0038
C2-Phenanthrenes/Anthracenes	745	14.9	0.0252	0.8000	0.0011	0.0076	0.3180	0.0004	< 0.0044 U	--	--	0.0106	0.3212	0.0004	< 0.0053 U	--	--	< 0.0044 U	--	--	0.0188	0.6395	0.0009	0.0073	0.3706	0.0005	< 0.0042 U	--	--	0.139	2.2276	0.0030	0.0618	0.8854	0.0012	0.0754	1.2889	0.0017
C3-Benzanthracenes/Chrysenes	1213	24.26	< 0.0059 U	--	--	< 0.0045 U	--	--	< 0.0044 U	--	--	< 0.0060 U	--	--	< 0.0053 U	--	--	< 0.0044 U	--	--	0.0053	0.1803	0.0001	< 0.0043 U	--	--	< 0.0042 U	--	--	0.0116	0.1859	0.0002	0.0181	0.2593	0.0002	0.0143	0.2444	0.0002
C3-Fluorenes	768	15.36	< 0.0059 U	--	--	< 0.0045 U	--	--	< 0.0044 U	--	--	< 0.0060 U	--	--	< 0.0053 U	--	--	< 0.0044 U	--	--	0.0046 J	0.1565	0.0002	< 0.0043 U	--	--	< 0.0042 U	--	--	0.0112	0.1795	0.0002	0.0111	0.1590	0.0002	0.0158	0.2701	0.0004
C3-Naphthalenes	581	11.62	0.0125	0.3968	0.0007	0.0040 J	0.1674	0.0003	< 0.0044 U	--	--	0.0085	0.2576	0.0004	0.0028 J	0.1707	0.0003	0.0022 J	0.5867	0.0010	0.0200	0.6803	0.0012	0.0056	0.2843	0.0005	< 0.0042 U	--	--	0.0759	1.2163	0.0021	0.0820	1.1748	0.0020	0.0949	1.6222	0.0028
C3-Phenanthrenes/Anthracenes	830	16.6	0.0129	0.4095	0.0005	0.0038 J	0.1590	0.0002	< 0.0044 U	--	--	0.0054 J	0.1636	0.0002	< 0.0053 U	--	--	< 0.0044 U	--	--	0.0086	0.2925	0.0004	0.0033 J	0.1675	0.0002	< 0.0042 U	--	--	0.0236	0.3782	0.0005	0.0297	0.4255	0.0005	0.0363	0.6205	0.0007
C4-Benzanthracenes/Chrysenes	1213	24.26	< 0.0059 U	--	--	< 0.0045 U	--	--	< 0.0044 U	--	--	< 0.0060 U	--	--	< 0.0053 U	--	--	< 0.0044 U	--	--	< 0.0049 U	--	--	< 0.0043 U	--	--	< 0.0042 U	--	--	< 0.0058 U	--	--	< 0.0070 U	--	--	< 0.0067 U	--	--
C4-Naphthalenes	657	13.14	0.0088	0.2794	0.0004	0.0036 J	0.1506	0.0002	< 0.0044 U	--	--	0.0065	0.1970	0.0003	< 0.0053 U	--	--	0.0037 J	0.9867	0.0015	0.0110	0.3741	0.0006	0.0068	0.3452	0.0005	0.0035 J	1.1589	0.0018	0.0359	0.5753	0.0009	0.0475	0.6805	0.0010	0.0583	0.9966	0.0015
C4-Phenanthrenes/Anthracenes	670	13.4	0.0063	0.2000	0.0003	< 0.0045 U	--	--	< 0.0044 U	--	--	< 0.0060 U	--	--	< 0.0053 U	--	--	< 0.0044 U	--	--	0.0037 J	0.1259	0.0002	< 0.0043 U	--	--	< 0.0042 U	--	--	0.0122	0.1955	0.0003	0.0162	0.2321	0.0003	0.0186	0.3179	0.0005
CHRYSENE	843	16.86	0.0941	2.9873	0.0035	0.0207	0.8661	0.0010	< 0.0044 U	--	--	0.0376	1.1394	0.0014	0.0038 J	0.2317	0.0003	0.0040 J	1.0667	0.0013	0.0350	1.1905	0.0014	0.0107	0.5431	0.0006	< 0.0042 U	--	--	0.0543	0.8702	0.0010	0.0422	0.6046	0.0007	0.0460	0.7863	0.0009
DIBENZ(A,H)ANTHRACENE	1122	22.44	0.0141	0.4476	0.0004	0.0029 J	0.1213	0.0001	< 0.0044 U	--	--	0.0187	0.5667	0.0005	< 0.0053 U	--	--	0.0039 J	1.0400	0.0009	0.0049	0.1667	0.0001	< 0.0043 U	--	--	< 0.0042 U	--	--	0.0073	0.1170	0.0001	< 0.0070 U	--	--	0.0070	0.1197	0.0001
FLUORANTHENE	708	14.16	0.162	5.1429	0.0073	0.0364	1.5230	0.0022	< 0.0044 U	--	--	0.0517	1.5667	0.0022	0.0057	0.3476	0.0005	0.0054	1.4400	0.0020	0.0625	2.1259	0.0030	0.0182	0.9239	0.0013	< 0.0042 U	--	--	0.0910	1.4583	0.0021	0.0687	0.9842	0.0014	0.0755	1.2906	0.0018
FLUORENE	539	10.78	0.0073	0.2317	0.0004	< 0.0045 U	--	--	< 0.0044 U	--	--	0.0030 J	0.0909	0.0002	< 0.0053 U	--	--	< 0.0044 U	--	--	< 0.0049 U	--	--	< 0.0043 U	--	--	< 0.0042 U	--	--	< 0.0058 U	--	--	< 0.0070 U	--	--	< 0.0067 U	--	--
INDENO(1,2,3-C,D)PYRENE	1115	22.3	0.0552	1.7524	0.0016	0.0120	0.5021	0.0005	< 0.0044 U	--	--	0.0275	0.8333	0.0007	< 0.0053 U	--	--	0.0033 J	0.8800	0.0008	0.0189	0.6429	0.0006	0.0055	0.2792	0.0003	< 0.0042 U	--	--	0.0279	0.4471	0.0004	0.0225	0.3223	0.0003	0.0232	0.3966	0.0004
NAPHTHALENE	385	7.7	0.0091	0.2889	0.0008	0.0035 J	0.1464	0.0004	< 0.0044 U	--	--	0.0094	0.2848	0.0007	< 0.0053 U	--	--	< 0.0044 U	--	--	0.0113	0.3844	0.0010	< 0.0043 U	--	--	< 0.0042 U	--	--	0.0441	0.7067	0.0018	0.0368	0.5272	0.0014	0.0445	0.7607	0.0020
PERYLENE	967	19.34	0.0197	0.6254	0.0006	0.0040 J	0.1674	0.0002	< 0.0044 U	--	--	0.0054 J	0.1636	0.0002	< 0.0053 U	--	--	< 0.0044 U	--	--	0.0073	0.2483	0.0003	0.0023 J	0.1168	0.0001	< 0.0042 U	--	--	0.0105	0.1683	0.0002	0.0087	0.1246	0.0001	0.0086	0.1470	0.0002
PHENANTHRENE	597	11.94	0.0824	2.6159	0.0044	0.0205	0.8577	0.0014	< 0.0044 U	--	--	0.0293	0.8879	0.0015	0.0039 J	0.2378	0.0004	0.0052	1.3867	0.0023	0.0357	1.2143	0.0020	0.0095	0.4822	0.0008	< 0.0042 U	--	--	0.0724	1.1603	0.0019	0.0601	0.8610	0.0014	0.0678	1.1590	0.0019
PYRENE	698	13.96	0.139	4.4127	0.0063	0.0317	1.3264	0.0019	< 0.0044 U	--	--	0.0449	1.3606	0.0019	0.0048 J	0.2927	0.0004	0.0048	1.2800	0.0018	0.0529	1.7993	0.0026	0.0157	0.7970	0.0011	< 0.0042 U	--	--	0.0771	1.2356	0.0018	0.0593	0.8496	0.0012	0.0655	1.1197	0.0016
TOC	--	--	31500	--	--	23900	--	--	7530	--	--	33000	--	--	16400	--	--	3750	--	--	29400	--	--	19700	--	--	3020	--	--	62400	--	--	69800	--	--	58500	--	--
Total PAH Toxicity Units	--	--	--	--	0.0538	--	--	0.0170	--	--	0.0000	--	--	0.0209	--	--	0.0034	--	--	0.0204	--	--	0.0276	--	--	0.0118	--	--	0.0018	--	--	0.0307	--	--	0.0243	--	--	0.0331

Notes:
PAH - Polycyclic Aromatic Hydrocarbon.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
mg/kg - milligrams per kilogram.
µg/gOC - micrograms per gram of Organic Carbon.
TOC - Total Organic Carbon.
TU - Toxicity unit.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 5
PAH Screening Table with Calculated Toxicity Units
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect			Transect F																															
Sample ID	NYSDEC Screening Criteria		SDF1			SDF1			SDF1			SDF2			SDF2			SDF2			SDF3			SDF3			SDF3			SDF4			SDF4		
Sample Date			11/4/2013			11/4/2013			11/4/2013			11/7/2013			11/7/2013			11/7/2013			11/8/2013			11/8/2013			11/8/2013			11/8/2013			11/8/2013		
Sample Interval (inches)			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
ACENAPHTHENE	491	9.82	0.0028 J	0.3789	0.0008	< 0.0048 U	--	--	< 0.0053 U	--	--	< 0.0058 U	--	--	< 0.0055 U	--	--	< 0.0047 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--	< 0.0049 U	--	--	< 0.0065 U	--	--	< 0.0045 U	--	--	< 0.0043 U	--	--
ACENAPHTHYLENE	452	9.04	0.0159	2.1516	0.0048	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0115	0.5399	0.0012	< 0.0055 U	--	--	< 0.0047 U	--	--	0.0057	0.2740	0.0006	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0080	0.3883	0.0009	< 0.0045 U	--	--	< 0.0043 U	--	--
ANTHRACENE	594	11.88	0.0171	2.3139	0.0039	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0105	0.4930	0.0008	< 0.0055 U	--	--	< 0.0047 U	--	--	0.0056	0.2692	0.0005	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0097	0.4709	0.0008	< 0.0045 U	--	--	< 0.0043 U	--	--
BENZO(A)ANTHRACENE	841	16.82	0.0135 J	1.8268	0.0022	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0224	1.0516	0.0013	0.0031 J	0.2067	0.0002	< 0.0047 U	--	--	0.0138	0.6635	0.0008	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0295	1.4320	0.0017	< 0.0045 U	--	--	0.0031 J	1.2351	0.0015
BENZO(A)PYRENE	964	19.28	0.0157 J	2.1245	0.0022	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0270	1.2676	0.0013	0.0036 J	0.2400	0.0002	< 0.0047 U	--	--	0.0165	0.7933	0.0008	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0339	1.6456	0.0017	< 0.0045 U	--	--	0.0037 J	1.4741	0.0015
BENZO(B)FLUORANTHENE	979	19.58	0.0143 J	1.9350	0.0020	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0226	1.0610	0.0011	0.0031 J	0.2067	0.0002	< 0.0047 U	--	--	0.0143	0.6875	0.0007	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0298	1.4466	0.0015	< 0.0045 U	--	--	0.0031 J	1.2351	0.0013
BENZO(G,H,I)PERYLENE	1095	21.9	0.0147 J	1.9892	0.0018	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0170	0.7981	0.0007	< 0.0055 U	--	--	< 0.0047 U	--	--	0.0099	0.4760	0.0004	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0208	1.0097	0.0009	< 0.0045 U	--	--	0.0022 J	0.8765	0.0008
BENZO(K)FLUORANTHENE	980	19.6	0.0132 J	1.7862	0.0018	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0249	1.1690	0.0012	0.0032 J	0.2133	0.0002	< 0.0047 U	--	--	0.0150	0.7212	0.0007	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0297	1.4417	0.0015	< 0.0045 U	--	--	< 0.0043 U	--	--
BENZO[E]PYRENE	967	19.34	0.0161 J	2.1786	0.0023	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0194	0.9108	0.0009	< 0.0055 U	--	--	< 0.0047 U	--	--	0.0118	0.5673	0.0006	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0235	1.1408	0.0012	< 0.0045 U	--	--	0.0026 J	1.0359	0.0011
C1-Benzanthracenes/Chrysenes	930	18.6	0.0254	3.4371	0.0037	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0152	0.7136	0.0008	< 0.0055 U	--	--	< 0.0047 U	--	--	0.0079	0.3798	0.0004	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0157	0.7621	0.0008	< 0.0045 U	--	--	0.0022 J	0.8765	0.0009
C1-Fluoranthenes/Pyrenes	769	15.38	0.0253	3.4235	0.0045	0.0054	0.3158	0.0004	0.0052 J	0.2419	0.0003	0.0264	1.2394	0.0016	0.0047 J	0.3133	0.0004	< 0.0047 U	--	--	0.0151	0.7260	0.0009	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0272	1.3204	0.0017	< 0.0045 U	--	--	0.0041 J	1.6335	0.0021
C1-Fluorenes	611	12.22	0.0135	1.8268	0.0030	0.0046 J	0.2690	0.0004	0.0046 J	0.2140	0.0004	0.0045 J	0.2113	0.0003	0.0031 J	0.2067	0.0003	< 0.0047 U	--	--	0.0028 J	0.1346	0.0002	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0034 J	0.1650	0.0003	< 0.0045 U	--	--	< 0.0043 U	--	--
C1-Naphthalenes	445	8.9	0.0249	3.3694	0.0076	0.0058	0.3392	0.0008	0.0063	0.2930	0.0007	0.0065	0.3052	0.0007	< 0.0055 U	--	--	< 0.0047 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--	< 0.0049 U	--	--	< 0.0065 U	--	--	< 0.0045 U	--	--	< 0.0043 U	--	--
C1-Phenanthrenes/Anthracenes	670	13.4	0.0459	6.2111	0.0093	0.0096	0.5614	0.0008	0.0074	0.3442	0.0005	0.0229	1.0751	0.0016	0.0047 J	0.3133	0.0005	< 0.0047 U	--	--	0.0116	0.5577	0.0008	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0195	0.9466	0.0014	< 0.0045 U	--	--	< 0.0043 U	--	--
C2-Benzanthracenes/Chrysenes	1009	20.18	0.0254	3.4371	0.0034	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0070	0.3286	0.0003	< 0.0055 U	--	--	< 0.0047 U	--	--	0.0039 J	0.1875	0.0002	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0073	0.3544	0.0004	< 0.0045 U	--	--	< 0.0043 U	--	--
C2-Fluorenes	687	13.74	0.0286	3.8701	0.0056	0.0126	0.7368	0.0011	0.0079	0.3674	0.0005	0.0053 J	0.2488	0.0004	0.0036 J	0.2400	0.0003	< 0.0047 U	--	--	0.0041 J	0.1971	0.0003	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0050 J	0.2427	0.0004	0.0024 J	0.2649	0.0004	0.0027 J	1.0757	0.0016
C2-Naphthalenes	510	10.2	0.0407	5.5074	0.0108	0.0125	0.7310	0.0014	0.0142	0.6605	0.0013	0.0070	0.3286	0.0006	0.0043 J	0.2867	0.0006	0.0030 J	0.3717	0.0007	0.0059	0.2837	0.0006	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0070	0.3398	0.0007	< 0.0045 U	--	--	0.0045	1.7928	0.0035
C2-Phenanthrenes/Anthracenes	745	14.9	0.0473	6.4005	0.0086	0.0098	0.5731	0.0008	0.0069	0.3209	0.0004	0.0124	0.5822	0.0008	0.0031 J	0.2067	0.0003	< 0.0047 U	--	--	0.0087	0.4183	0.0006	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0311	1.5097	0.0020	0.0033 J	0.3642	0.0005	0.0136	5.4183	0.0073
C3-Benzanthracenes/Chrysenes	1213	24.26	0.0532	7.1989	0.0059	< 0.0048 U	--	--	< 0.0053 U	--	--	< 0.0058 U	--	--	< 0.0055 U	--	--	< 0.0047 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--	< 0.0049 U	--	--	< 0.0065 U	--	--	< 0.0045 U	--	--	< 0.0043 U	--	--
C3-Fluorenes	768	15.36	0.0538	7.2801	0.0095	< 0.0048 U	--	--	0.0094	0.4372	0.0006	< 0.0058 U	--	--	< 0.0055 U	--	--	< 0.0047 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--	< 0.0049 U	--	--	< 0.0065 U	--	--	< 0.0045 U	--	--	< 0.0043 U	--	--
C3-Naphthalenes	581	11.62	0.0566	7.6590	0.0132	0.0205	1.1988	0.0021	0.0179	0.8326	0.0014	0.0090	0.4225	0.0007	0.0050 J	0.3333	0.0006	0.0031 J	0.3841	0.0007	< 0.0053 U	--	--	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0070	0.3398	0.0006	< 0.0045 U	--	--	< 0.0043 U	--	--
C3-Phenanthrenes/Anthracenes	830	16.6	0.0655	8.8633	0.0107	0.0132	0.7719	0.0009	0.0086	0.4000	0.0005	0.0066	0.3099	0.0004	< 0.0055 U	--	--	< 0.0047 U	--	--	0.0041 J	0.1971	0.0002	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0060 J	0.2913	0.0004	< 0.0045 U	--	--	< 0.0043 U	--	--
C4-Benzanthracenes/Chrysenes	1213	24.26	< 0.0052 U	--	--	< 0.0048 U	--	--	< 0.0053 U	--	--	< 0.0058 U	--	--	< 0.0055 U	--	--	< 0.0047 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--	< 0.0049 U	--	--	< 0.0065 U	--	--	< 0.0045 U	--	--	< 0.0043 U	--	--
C4-Naphthalenes	657	13.14	0.0480	6.4953	0.0099	0.0185	1.0819	0.0016	< 0.0053 U	--	--	0.0080	0.3756	0.0006	0.0062	0.4133	0.0006	< 0.0047 U	--	--	0.0054	0.2596	0.0004	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0076	0.3689	0.0006	0.0058	0.6402	0.0010	0.0045	1.7928	0.0027
C4-Phenanthrenes/Anthracenes	670	13.4	< 0.0052 U	--	--	< 0.0048 U	--	--	< 0.0053 U	--	--	< 0.0058 U	--	--	< 0.0055 U	--	--	< 0.0047 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--	< 0.0049 U	--	--	< 0.0065 U	--	--	< 0.0045 U	--	--	< 0.0043 U	--	--
CHRYSENE	843	16.86	0.0227 J	3.0717	0.0036	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0312	1.4648	0.0017	0.0043 J	0.2867	0.0003	< 0.0047 U	--	--	0.0191	0.9183	0.0011	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0393	1.9078	0.0023	< 0.0045 U	--	--	0.0043	1.7131	0.0020
DIBENZ(A,H)ANTHRACENE	1122	22.44	0.0034 J	0.4601	0.0004	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0039 J	0.1831	0.0002	< 0.0055 U	--	--	< 0.0047 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--	< 0.0049 U	--	--	< 0.0065 U	--	--	< 0.0045 U	--	--	< 0.0043 U	--	--
FLUORANTHENE	708	14.16	0.0367 J	4.9662	0.0070	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0555	2.6056	0.0037	0.0072	0.4800	0.0007	< 0.0047 U	--	--	0.0334	1.6058	0.0023	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0700	3.3981	0.0048	0.0023 J	0.2539	0.0004	0.0071	2.8287	0.0040
FLUORENE	539	10.78	0.0058	0.7848	0.0015	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0040 J	0.1878	0.0003	< 0.0055 U	--	--	< 0.0047 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--	< 0.0049 U	--	--	< 0.0065 U	--	--	< 0.0045 U	--	--	< 0.0043 U	--	--
INDENO(1,2,3-C,D)PYRENE	1115	22.3	0.0124 J	1.6779	0.0015	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0161 J	0.7559	0.0007	< 0.0055 U	--	--	< 0.0047 U	--	--	0.0096	0.4615	0.0004	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0207	1.0049	0.0009	< 0.0045 U	--	--	< 0.0043 U	--	--
NAPHTHALENE	385	7.7	0.0226	3.0582	0.0079	0.0029 J	0.1696	0.0004	< 0.0053 U	--	--	0.0089	0.4178	0.0011	0.0029 J	0.1933	0.0005	< 0.0047 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--	< 0.0049 U	--	--	< 0.0065 U	--	--	< 0.0045 U	--	--	< 0.0043 U	--	--
PERYLENE	967	19.34	0.0052 J	0.7037	0.0007	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0066	0.3099	0.0003	< 0.0055 U	--	--	< 0.0047 U	--	--	0.0040 J	0.1923	0.0002	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0083	0.4029	0.0004	< 0.0045 U	--	--	< 0.0043 U	--	--
PHENANTHRENE	597	11.94	0.0333	4.5061	0.0075	0.0034 J	0.1988	0.0003	0.0034 J	0.1581	0.0003	0.0299	1.4038	0.0024	0.0059	0.3933	0.0007	0.0024 J	0.2974	0.0005	0.0152	0.7308	0.0012	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0361	1.7524	0.0029	< 0.0045 U	--	--	< 0.0043 U	--	--
PYRENE	698	13.96	0.0316 J	4.2760	0.0061	< 0.0048 U	--	--	< 0.0053 U	--	--	0.0481	2.2582	0.0032	0.0065	0.4333	0.0006	< 0.0047 U	--	--	0.0281	1.3510	0.0019	< 0.0046 U	--	--	< 0.0049 U	--	--	0.0584	2.8350	0.0041	< 0.0045 U	--	--	0.0062	2.4701	0.0035
TOC	--	--	7390	--	--	17100	--	--	21500	--	--	21300	--	--	15000	--	--	8070	--	--	20800	--	--	2420	--	--	2890	--	--	20600	--	--	9060	--	--	2510	--	--
Total PAH Toxicity Units	--	--	--	--	0.1636	--	--	0.0111	--	--	0.0068	--	--	0.0309	--	--	0.0073	--	--	0.0019	--	--	0.0169	--	--	0.0000	--	--	0.0000	--	--	0.0346	--	--	0.0022	--	--	0.0338

Notes:
PAH - Polycyclic Aromatic Hydrocarbon.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented withGray text.
J - Estimated.
mg/kg - milligrams per kilogram.
µg/gOC - micrograms per gram of Organic Carbon.
TOC - Total Organic Carbon.
TU - Toxicity unit.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 5
PAH Screening Table with Calculated Toxicity Units
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transcest	NYSDEC Screening Criteria		Transect G																	
Sample ID			SDG1			SDG1			SDG1			SDG2			SDG2			SDG2		
Sample Date			11/6/2013			11/6/2013			11/6/2013			11/7/2013			11/7/2013			11/7/2013		
Sample Interval (inches)			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
ACENAPHTHENE	491	9.82	0.0045 J	0.1711	0.0003	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0037 J	0.1917	0.0004	< 0.0055 U	--	--	< 0.0044 U	--	--
ACENAPHTHYLENE	452	9.04	0.0167	0.6350	0.0014	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0116	0.6010	0.0013	< 0.0055 U	--	--	< 0.0044 U	--	--
ANTHRACENE	594	11.88	0.0176	0.6692	0.0011	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0121	0.6269	0.0011	< 0.0055 U	--	--	< 0.0044 U	--	--
BENZO(A)ANTHRACENE	841	16.82	0.0419	1.5932	0.0019	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0230	1.1917	0.0014	0.0045 J	0.3462	0.0004	< 0.0044 U	--	--
BENZO(A)PYRENE	964	19.28	0.0495	1.8821	0.0020	0.0025 J	0.1908	0.0002	< 0.0048 U	--	--	0.0252	1.3057	0.0014	0.0050 J	0.3846	0.0004	< 0.0044 U	--	--
BENZO(B)FLUORANTHENE	979	19.58	0.0420	1.5970	0.0016	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0216	1.1192	0.0011	0.0045 J	0.3462	0.0004	< 0.0044 U	--	--
BENZO(G,H,I)PERYLENE	1095	21.9	0.0336	1.2776	0.0012	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0151	0.7824	0.0007	0.0035 J	0.2692	0.0002	< 0.0044 U	--	--
BENZO(K)FLUORANTHENE	980	19.6	0.0460	1.7490	0.0018	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0235	1.2176	0.0012	0.0048 J	0.3692	0.0004	< 0.0044 U	--	--
BENZO[E]PYRENE	967	19.34	0.0352	1.3384	0.0014	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0180	0.9326	0.0010	0.0038 J	0.2923	0.0003	< 0.0044 U	--	--
C1-Benzanthracenes/Chrysenes	930	18.6	0.0236	0.8973	0.0010	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0159	0.8238	0.0009	0.0032 J	0.2462	0.0003	< 0.0044 U	--	--
C1-Fluoranthenes/Pyrenes	769	15.38	0.0425	1.6160	0.0021	< 0.0047 U	--	--	0.0029 J	0.9295	0.0012	0.0289	1.4974	0.0019	0.0066	0.5077	0.0007	< 0.0044 U	--	--
C1-Fluorenes	611	12.22	0.0046 J	0.1749	0.0003	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0045 J	0.2332	0.0004	0.0031 J	0.2385	0.0004	< 0.0044 U	--	--
C1-Naphthalenes	445	8.9	0.0079	0.3004	0.0007	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0076	0.3938	0.0009	< 0.0055 U	--	--	< 0.0044 U	--	--
C1-Phenanthrenes/Anthracenes	670	13.4	0.0334	1.2700	0.0019	< 0.0047 U	--	--	0.0034 J	1.0897	0.0016	0.0262	1.3575	0.0020	0.0062	0.4769	0.0007	< 0.0044 U	--	--
C2-Benzanthracenes/Chrysenes	1009	20.18	0.01	0.3802	0.0004	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0083	0.4301	0.0004	< 0.0055 U	--	--	< 0.0044 U	--	--
C2-Fluorenes	687	13.74	0.0067	0.2548	0.0004	< 0.0047 U	--	--	0.0059	1.8910	0.0028	0.0068	0.3523	0.0005	0.0029 J	0.2231	0.0003	< 0.0044 U	--	--
C2-Naphthalenes	510	10.2	0.0088	0.3346	0.0007	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0091	0.4715	0.0009	0.0048 J	0.3692	0.0007	< 0.0044 U	--	--
C2-Phenanthrenes/Anthracenes	745	14.9	0.0185	0.7034	0.0009	< 0.0047 U	--	--	0.0097	3.1090	0.0042	0.0149	0.7720	0.0010	0.0034 J	0.2615	0.0004	< 0.0044 U	--	--
C3-Benzanthracenes/Chrysenes	1213	24.26	0.0060	0.2281	0.0002	< 0.0047 U	--	--	< 0.0048 U	--	--	< 0.0056 U	--	--	< 0.0055 U	--	--	< 0.0044 U	--	--
C3-Fluorenes	768	15.36	0.0061	0.2319	0.0003	< 0.0047 U	--	--	0.0081	2.5962	0.0034	< 0.0056 U	--	--	< 0.0055 U	--	--	< 0.0044 U	--	--
C3-Naphthalenes	581	11.62	0.0092	0.3498	0.0006	< 0.0047 U	--	--	0.0094	3.0128	0.0052	0.0102	0.5285	0.0009	0.0037 J	0.2846	0.0005	< 0.0044 U	--	--
C3-Phenanthrenes/Anthracenes	830	16.6	0.0109	0.4144	0.0005	< 0.0047 U	--	--	0.0096	3.0769	0.0037	0.0079	0.4093	0.0005	< 0.0055 U	--	--	< 0.0044 U	--	--
C4-Benzanthracenes/Chrysenes	1213	24.26	< 0.0055 U	--	--	< 0.0047 U	--	--	< 0.0048 U	--	--	< 0.0056 U	--	--	< 0.0055 U	--	--	< 0.0044 U	--	--
C4-Naphthalenes	657	13.14	0.0089	0.3384	0.0005	< 0.0047 U	--	--	0.0231	7.4038	0.0113	0.0085	0.4404	0.0007	< 0.0055 U	--	--	< 0.0044 U	--	--
C4-Phenanthrenes/Anthracenes	670	13.4	0.0065	0.2471	0.0004	< 0.0047 U	--	--	0.0056	1.7949	0.0027	0.0035 J	0.1813	0.0003	< 0.0055 U	--	--	< 0.0044 U	--	--
CHRYSENE	843	16.86	0.0571	2.1711	0.0026	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0305	1.5803	0.0019	0.0064	0.4923	0.0006	< 0.0044 U	--	--
DIBENZ(A,H)ANTHRACENE	1122	22.44	0.0179	0.6806	0.0006	0.0057	0.4351	0.0004	< 0.0048 U	--	--	0.0039 J	0.2021	0.0002	< 0.0055 U	--	--	< 0.0044 U	--	--
FLUORANTHENE	708	14.16	0.104	3.9544	0.0056	0.0023 J	0.1756	0.0002	< 0.0048 U	--	--	0.0612	3.1710	0.0045	0.0106	0.8154	0.0012	< 0.0044 U	--	--
FLUORENE	539	10.78	0.0072	0.2738	0.0005	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0050 J	0.2591	0.0005	< 0.0055 U	--	--	< 0.0044 U	--	--
INDENO(1,2,3-C,D)PYRENE	1115	22.3	0.0344	1.3080	0.0012	0.0034 J	0.2595	0.0002	< 0.0048 U	--	--	0.0148 J	0.7668	0.0007	0.0031 J	0.2385	0.0002	< 0.0044 U	--	--
NAPHTHALENE	385	7.7	0.0117	0.4449	0.0012	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0098	0.5078	0.0013	0.0040 J	0.3077	0.0008	< 0.0044 U	--	--
PERYLENE	967	19.34	0.0142	0.5399	0.0006	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0062	0.3212	0.0003	< 0.0055 U	--	--	< 0.0044 U	--	--
PHENANTHRENE	597	11.94	0.0585	2.2243	0.0037	< 0.0047 U	--	--	< 0.0048 U	--	--	0.0419	2.1710	0.0036	0.0075	0.5769	0.0010	< 0.0044 U	--	--
PYRENE	698	13.96	0.0875	3.3270	0.0048	< 0.0047 U	--	--	0.0025 J	0.8013	0.0011	0.0510	2.6425	0.0038	0.0090	0.6923	0.0010	< 0.0044 U	--	--
TOC	--	--	26300	--	--	13100	--	--	3120	--	--	19300	--	--	13000	--	--	3990	--	--
Total PAH Toxicity Units	--	--	--	--	0.0441	--	--	0.0011	--	--	0.0371	--	--	0.0378	--	--	0.0107	--	--	0.0000

Notes:
PAH - Polycyclic Aromatic Hydrocarbon.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
mg/kg - milligrams per kilogram.
µg/gOC - micrograms per gram of Organic Carbon.
TOC - Total Organic Carbon.
TU - Toxicity unit.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 5
PAH Screening Table with Calculated Toxicity Units
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect			Transect H																									
Sample ID	NYSDEC Screening Criteria		SDH1			SDH1			SDH1			SDH2			SDH2			SDH2			SDH3			SDH3			SDH3		
Sample Date			11/6/2013			11/6/2013			11/6/2013			11/7/2013			11/7/2013			11/7/2013			11/7/2013			11/7/2013			11/7/2013		
Sample Interval (inches)			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
ACENAPHTHENE	491	9.82	0.0116 J	0.0817	0.0002	< 0.0049 U	--	--	< 0.0046 U	--	--	< 0.0060 U	--	--	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0089 J	0.0742	0.0002	< 0.0055 U	--	--	< 0.0048 U	--	--
ACENAPHTHYLENE	452	9.04	0.0210	0.1479	0.0003	0.0098	0.8305	0.0018	< 0.0046 U	--	--	0.0077	0.2059	0.0005	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0389	0.3242	0.0007	0.0036 J	0.2069	0.0005	< 0.0048 U	--	--
ANTHRACENE	594	11.88	0.0351	0.2472	0.0004	0.0097	0.8220	0.0014	< 0.0046 U	--	--	0.0068	0.1818	0.0003	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0346	0.2883	0.0005	< 0.0055 U	--	--	< 0.0048 U	--	--
BENZO(A)ANTHRACENE	841	16.82	0.12	0.8451	0.0010	0.0194	1.6441	0.0020	0.0025 J	0.5285	0.0006	0.0183	0.4893	0.0006	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0837	0.6975	0.0008	0.0054 J	0.3103	0.0004	< 0.0048 U	--	--
BENZO(A)PYRENE	964	19.28	0.157	1.1056	0.0011	0.0228	1.9322	0.0020	0.0028 J	0.5920	0.0006	0.0216	0.5775	0.0006	< 0.0051 U	--	--	< 0.0048 U	--	--	0.101	0.8417	0.0009	0.0065	0.3736	0.0004	< 0.0048 U	--	--
BENZO(B)FLUORANTHENE	979	19.58	0.158	1.1127	0.0011	0.0219	1.8559	0.0019	0.0028 J	0.5920	0.0006	0.0188	0.5027	0.0005	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0851	0.7092	0.0007	0.0055	0.3161	0.0003	< 0.0048 U	--	--
BENZO(G,H,I)PERYLENE	1095	21.9	0.121	0.8521	0.0008	0.0165	1.3983	0.0013	< 0.0046 U	--	--	0.0130	0.3476	0.0003	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0582	0.4850	0.0004	0.0044 J	0.2529	0.0002	< 0.0048 U	--	--
BENZO(K)FLUORANTHENE	980	19.6	0.146	1.0282	0.0010	0.0216	1.8305	0.0019	0.0026 J	0.5497	0.0006	0.0193	0.5160	0.0005	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0922	0.7683	0.0008	0.0057	0.3276	0.0003	< 0.0048 U	--	--
BENZO[E]PYRENE	967	19.34	0.128	0.9014	0.0009	0.0178	1.5085	0.0016	0.0024 J	0.5074	0.0005	0.0149	0.3984	0.0004	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0708	0.5900	0.0006	0.0044 J	0.2529	0.0003	< 0.0048 U	--	--
C1-Benzanthracenes/Chrysenes	930	18.6	0.0631	0.4444	0.0005	0.0164	1.3898	0.0015	< 0.0046 U	--	--	0.0114	0.3048	0.0003	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0541	0.4508	0.0005	0.0049 J	0.2816	0.0003	< 0.0048 U	--	--
C1-Fluoranthenes/Pyrenes	769	15.38	0.0922	0.6493	0.0008	0.0256	2.1695	0.0028	0.0046	0.9725	0.0013	0.0205	0.5481	0.0007	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0902	0.7517	0.0010	0.0078	0.4483	0.0006	< 0.0048 U	--	--
C1-Fluorenes	611	12.22	0.0182	0.1282	0.0002	0.0051	0.4322	0.0007	0.0025 J	0.5285	0.0009	0.0034 J	0.0909	0.0001	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0086 J	0.0717	0.0001	< 0.0055 U	--	--	< 0.0048 U	--	--
C1-Naphthalenes	445	8.9	0.0135 J	0.0951	0.0002	0.0061	0.5169	0.0012	< 0.0046 U	--	--	< 0.0060 U	--	--	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0118	0.0983	0.0002	< 0.0055 U	--	--	< 0.0048 U	--	--
C1-Phenanthrenes/Anthracenes	670	13.4	0.0811	0.5711	0.0009	0.0241	2.0424	0.0030	0.0041 J	0.8668	0.0013	0.0159	0.4251	0.0006	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0689	0.5742	0.0009	0.0068	0.3908	0.0006	< 0.0048 U	--	--
C2-Benzanthracenes/Chrysenes	1009	20.18	0.0340	0.2394	0.0002	0.0096	0.8136	0.0008	< 0.0046 U	--	--	0.0062	0.1658	0.0002	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0247	0.2058	0.0002	0.0032 J	0.1839	0.0002	< 0.0048 U	--	--
C2-Fluorenes	687	13.74	0.0319	0.2246	0.0003	0.0076	0.6441	0.0009	0.0029 J	0.6131	0.0009	0.0035 J	0.0936	0.0001	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0115	0.0958	0.0001	< 0.0055 U	--	--	< 0.0048 U	--	--
C2-Naphthalenes	510	10.2	0.0399	0.2810	0.0006	0.0101	0.8559	0.0017	0.0052	1.0994	0.0022	0.0043 J	0.1150	0.0002	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0124	0.1033	0.0002	< 0.0055 U	--	--	< 0.0048 U	--	--
C2-Phenanthrenes/Anthracenes	745	14.9	0.0448	0.3155	0.0004	0.0152	1.2881	0.0017	0.0034 J	0.7188	0.0010	0.0080	0.2139	0.0003	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0384	0.3200	0.0004	0.0037 J	0.2126	0.0003	< 0.0048 U	--	--
C3-Benzanthracenes/Chrysenes	1213	24.26	< 0.014 U	--	--	< 0.0049 U	--	--	< 0.0046 U	--	--	< 0.0060 U	--	--	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0136	0.1133	0.0001	< 0.0055 U	--	--	< 0.0048 U	--	--
C3-Fluorenes	768	15.36	< 0.014 U	--	--	< 0.0049 U	--	--	< 0.0046 U	--	--	< 0.0060 U	--	--	< 0.0051 U	--	--	< 0.0048 U	--	--	< 0.011 U	--	--	< 0.0055 U	--	--	< 0.0048 U	--	--
C3-Naphthalenes	581	11.62	0.0407	0.2866	0.0005	0.0117	0.9915	0.0017	0.0043 J	0.9091	0.0016	0.0048 J	0.1283	0.0002	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0115	0.0958	0.0002	< 0.0055 U	--	--	< 0.0048 U	--	--
C3-Phenanthrenes/Anthracenes	830	16.6	0.0193	0.1359	0.0002	0.0102	0.8644	0.0010	0.0029 J	0.6131	0.0007	0.0053 J	0.1417	0.0002	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0182	0.1517	0.0002	< 0.0055 U	--	--	< 0.0048 U	--	--
C4-Benzanthracenes/Chrysenes	1213	24.26	< 0.014 U	--	--	< 0.0049 U	--	--	< 0.0046 U	--	--	< 0.0060 U	--	--	< 0.0051 U	--	--	< 0.0048 U	--	--	< 0.011 U	--	--	< 0.0055 U	--	--	< 0.0048 U	--	--
C4-Naphthalenes	657	13.14	0.0426	0.3000	0.0005	0.0107	0.9068	0.0014	0.0062	1.3108	0.0020	0.0039 J	0.1043	0.0002	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0093 J	0.0775	0.0001	0.0042 J	0.2414	0.0004	< 0.0048 U	--	--
C4-Phenanthrenes/Anthracenes	670	13.4	< 0.014 U	--	--	0.0047 J	0.3983	0.0006	< 0.0046 U	--	--	< 0.0060 U	--	--	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0071 J	0.0592	0.0001	< 0.0055 U	--	--	< 0.0048 U	--	--
CHRYSENE	843	16.86	0.185	1.3028	0.0015	0.0300	2.5424	0.0030	0.0038 J	0.8034	0.0010	0.0249	0.6658	0.0008	0.0026 J	0.1793	0.0002	< 0.0048 U	--	--	0.117	0.9750	0.0012	0.0076	0.4368	0.0005	< 0.0048 U	--	--
DIBENZ(A,H)ANTHRACENE	1122	22.44	0.0337	0.2373	0.0002	0.0041 J	0.3475	0.0003	< 0.0046 U	--	--	0.0047 J	0.1257	0.0001	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0159	0.1325	0.0001	< 0.0055 U	--	--	< 0.0048 U	--	--
FLUORANTHENE	708	14.16	0.292	2.0563	0.0029	0.0458	3.8814	0.0055	0.0058	1.2262	0.0017	0.0455	1.2166	0.0017	0.0037 J	0.2552	0.0004	< 0.0048 U	--	--	0.216	1.8000	0.0025	0.0136	0.7816	0.0011	< 0.0048 U	--	--
FLUORENE	539	10.78	0.0145	0.1021	0.0002	0.0034 J	0.2881	0.0005	< 0.0046 U	--	--	< 0.0060 U	--	--	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0101 J	0.0842	0.0002	< 0.0055 U	--	--	< 0.0048 U	--	--
INDENO(1,2,3-C,D)PYRENE	1115	22.3	0.115	0.8099	0.0007	0.0165	1.3983	0.0013	< 0.0046 U	--	--	0.0138	0.3690	0.0003	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0621	0.5175	0.0005	0.0045 J	0.2586	0.0002	< 0.0048 U	--	--
NAPHTHALENE	385	7.7	0.0204	0.1437	0.0004	0.0058	0.4915	0.0013	< 0.0046 U	--	--	0.0060	0.1604	0.0004	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0174	0.1450	0.0004	< 0.0055 U	--	--	< 0.0048 U	--	--
PERYLENE	967	19.34	0.0412	0.2901	0.0003	0.0137	1.1610	0.0012	0.0030 J	0.6342	0.0007	0.0054 J	0.1444	0.0001	< 0.0051 U	--	--	< 0.0048 U	--	--	0.0238	0.1983	0.0002	< 0.0055 U	--	--	< 0.0048 U	--	--
PHENANTHRENE	597	11.94	0.144	1.0141	0.0017	0.0281	2.3814	0.0040	0.0047	0.9937	0.0017	0.0250	0.6684	0.0011	0.0033 J	0.2276	0.0004	< 0.0048 U	--	--	0.117	0.9750	0.0016	0.0090	0.5172	0.0009	< 0.0048 U	--	--
PYRENE	698	13.96	0.24	1.6901	0.0024	0.0391	3.3136	0.0047	0.0049	1.0359	0.0015	0.0385	1.0294	0.0015	0.0032 J	0.2207	0.0003	< 0.0048 U	--	--	0.182	1.5167	0.0022	0.0118	0.6782	0.0010	< 0.0048 U	--	--
TOC	--	--	142000	--	--	11800	--	--	4730	--	--	37400	--	--	14500	--	--	3370	--	--	120000	--	--	17400	--	--	3550	--	--
Total PAH Toxicity Units	--	--	--	--	0.0226	--	--	0.0547	--	--	0.0212	--	--	0.0130	--	--	0.0013	--	--	0.0000	--	--	0.0187	--	--	0.0084	--	--	0.0000

Notes:
PAH - Polycyclic Aromatic Hydrocarbon.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
mg/kg - milligrams per kilogram.
µg/gOC - micrograms per gram of Organic Carbon.
TOC - Total Organic Carbon.
TU - Toxicity unit.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 5
PAH Screening Table with Calculated Toxicity Units
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect			Transect I																															
Sample ID	NYSDEC Screening Criteria		SDI1			SDI1 (Dup)			SDI1			SDI1 (Dup)			SDI1			SDI1 (Dup)			SDI2			SDI2			SDI2			SDI3			SDI3			SDI3		
Sample Date			11/6/2013			11/6/2013			11/6/2013			11/6/2013			11/6/2013			11/6/2013			11/7/2013			11/7/2013			11/7/2013			11/5/2013			11/5/2013			11/5/2013		
Sample Interval (inches)			0 - 6			0 - 6			6 - 12			6 - 12			18 - 24			18 - 24			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
ACENAPHTHENE	491	9.82	< 0.0053 U	--	--	0.0039 J	0.1500	0.0003	< 0.0054 U	--	--	< 0.0048 U	--	--	< 0.0052 U	--	--	< 0.0043 U	--	--	0.0189 J	0.0458	0.0001	0.0185	0.0830	0.0002	< 0.0071 U	--	--	< 0.0067 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--
ACENAPHTHYLENE	452	9.04	0.0046 J	0.1614	0.0004	0.0151	0.5808	0.0013	< 0.0054 U	--	--	0.0037 J	0.3811	0.0008	< 0.0052 U	--	--	< 0.0043 U	--	--	0.0305 J	0.0738	0.0002	0.0400	0.1794	0.0004	0.0167	0.3070	0.0007	0.0060 J	0.1824	0.0004	0.0090	1.7078	0.0038	< 0.0046 U	--	--
ANTHRACENE	594	11.88	0.0055	0.1930	0.0003	0.0198	0.7615	0.0013	< 0.0054 U	--	--	0.0042 J	0.4325	0.0007	< 0.0052 U	--	--	< 0.0043 U	--	--	0.0444	0.1075	0.0002	0.0458	0.2054	0.0003	0.0136	0.2500	0.0004	0.0068	0.2067	0.0003	0.0088	1.6698	0.0028	< 0.0046 U	--	--
BENZO(A)ANTHRACENE	841	16.82	0.0124	0.4351	0.0005	0.0476	1.8308	0.0022	0.0038 J	0.2171	0.0003	0.0116	1.1946	0.0014	0.0031 J	0.4486	0.0005	< 0.0043 U	--	--	0.155	0.3753	0.0004	0.13	0.5830	0.0007	0.0342	0.6287	0.0007	0.0177	0.5380	0.0006	0.0200	3.7951	0.0045	0.0055	1.4360	0.0017
BENZO(A)PYRENE	964	19.28	0.0147	0.5158	0.0005	0.0570	2.1923	0.0023	0.0046 J	0.2629	0.0003	0.0138	1.4212	0.0015	0.0038 J	0.5499	0.0006	< 0.0043 U	--	--	0.193	0.4673	0.0005	0.165	0.7399	0.0008	0.0406	0.7463	0.0008	0.0220	0.6687	0.0007	0.0234	4.4402	0.0046	0.0067	1.7493	0.0018
BENZO(B)FLUORANTHENE	979	19.58	0.0135	0.4737	0.0005	0.0530	2.0385	0.0021	0.0049 J	0.2800	0.0003	0.0140	1.4418	0.0015	0.0045 J	0.6512	0.0007	< 0.0043 U	--	--	0.178	0.4310	0.0004	0.147	0.6592	0.0007	0.0357	0.6563	0.0007	0.0218	0.6626	0.0007	0.0228	4.3264	0.0044	0.0063	1.6449	0.0017
BENZO(G,H,I)PERYLENE	1095	21.9	0.0105	0.3684	0.0003	0.0410	1.5769	0.0014	0.0041 J	0.2343	0.0002	0.0115	1.1843	0.0011	0.0033 J	0.4776	0.0004	< 0.0043 U	--	--	0.125	0.3027	0.0003	0.103	0.4619	0.0004	0.0237	0.4357	0.0004	0.0170	0.5167	0.0005	0.0161	3.0550	0.0028	0.0049	1.2794	0.0012
BENZO(K)FLUORANTHENE	980	19.6	0.0138	0.4842	0.0005	0.0552	2.1231	0.0022	0.0043 J	0.2457	0.0003	0.0131	1.3491	0.0014	0.0035 J	0.5065	0.0005	< 0.0043 U	--	--	0.176	0.4262	0.0004	0.15	0.6726	0.0007	0.0364	0.6691	0.0007	0.0209	0.6353	0.0006	0.0238	4.5161	0.0046	0.0065	1.6971	0.0017
BENZO[E]PYRENE	967	19.34	0.0115	0.4035	0.0004	0.0438	1.6846	0.0017	0.0041 J	0.2343	0.0002	0.0121	1.2461	0.0013	0.0035 J	0.5065	0.0005	< 0.0043 U	--	--	0.142	0.3438	0.0004	0.118	0.5291	0.0005	0.0280	0.5147	0.0005	0.0182	0.5532	0.0006	0.0180	3.4156	0.0035	0.0053	1.3838	0.0014
C1-Benzanthracenes/Chrysenes	930	18.6	0.0088	0.3088	0.0003	0.0301	1.1577	0.0012	0.0035 J	0.2000	0.0002	0.0102	1.0505	0.0011	0.0039 J	0.5644	0.0006	< 0.0043 U	--	--	0.0737	0.1785	0.0002	0.0714	0.3202	0.0003	0.0246	0.4522	0.0005	0.0116	0.3526	0.0004	0.0138	2.6186	0.0028	0.0041 J	1.0705	0.0012
C1-Fluoranthenes/Pyrenes	769	15.38	0.0162	0.5684	0.0007	0.0500	1.9231	0.0025	0.0062	0.3543	0.0005	0.0138	1.4212	0.0018	0.0054	0.7815	0.0010	0.0033 J	0.4130	0.0005	0.12	0.2906	0.0004	0.119	0.5336	0.0007	0.0406	0.7463	0.0010	0.0199	0.6049	0.0008	0.0248	4.7059	0.0061	0.0073	1.9060	0.0025
C1-Fluorenes	611	12.22	0.0041 J	0.1439	0.0002	0.0060	0.2308	0.0004	< 0.0054 U	--	--	0.0041 J	0.4222	0.0007	0.0028 J	0.4052	0.0007	< 0.0043 U	--	--	< 0.034 U	--	--	0.0162	0.0726	0.0001	0.0051 J	0.0938	0.0002	0.0041 J	0.1246	0.0002	0.0035 J	0.6641	0.0011	0.0024 J	0.6266	0.0010
C1-Naphthalenes	445	8.9	0.0035 J	0.1228	0.0003	0.0079	0.3038	0.0007	< 0.0054 U	--	--	0.0044 J	0.4531	0.0010	< 0.0052 U	--	--	< 0.0043 U	--	--	< 0.034 U	--	--	0.0187	0.0839	0.0002	0.0072	0.1324	0.0003	< 0.0067 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--
C1-Phenanthrenes/Anthracenes	670	13.4	0.0146	0.5123	0.0008	0.0416	1.6000	0.0024	0.0069	0.3943	0.0006	0.0143	1.4727	0.0022	0.0072	1.0420	0.0016	0.0032 J	0.4005	0.0006	0.0795	0.1925	0.0003	0.0819	0.3673	0.0005	0.0313	0.5754	0.0009	0.0163	0.4954	0.0007	0.0194	3.6812	0.0055	0.0061	1.5927	0.0024
C2-Benzanthracenes/Chrysenes	1009	20.18	0.0046 J	0.1614	0.0002	0.0133	0.5115	0.0005	0.0031 J	0.1771	0.0002	0.0073	0.7518	0.0007	0.0038 J	0.5499	0.0005	< 0.0043 U	--	--	0.0398	0.0964	0.0001	0.0329	0.1475	0.0001	0.0147	0.2702	0.0003	0.0116	0.3526	0.0003	0.0138	2.6186	0.0026	0.0041 J	1.0705	0.0011
C2-Fluorenes	687	13.74	0.0048 J	0.1684	0.0002	0.0084	0.3231	0.0005	0.0035 J	0.2000	0.0003	0.0053	0.5458	0.0008	0.0034 J	0.4920	0.0007	0.0026 J	0.3254	0.0005	0.0217 J	0.0525	0.0001	0.0196	0.0879	0.0001	0.0069 J	0.1268	0.0002	0.0057 J	0.1733	0.0003	0.0052 J	0.9867	0.0014	0.0030 J	0.7833	0.0011
C2-Naphthalenes	510	10.2	0.0052 J	0.1825	0.0004	0.0113	0.4346	0.0009	0.0041 J	0.2343	0.0005	0.0067	0.6900	0.0014	0.0045 J	0.6512	0.0013	0.0037 J	0.4631	0.0009	0.0210 J	0.0508	0.0001	0.0231	0.1036	0.0002	0.0075	0.1379	0.0003	0.0080	0.2432	0.0005	0.0072	1.3662	0.0027	0.0040 J	1.0444	0.0020
C2-Phenanthrenes/Anthracenes	745	14.9	0.0083	0.2912	0.0004	0.0236	0.9077	0.0012	0.0051 J	0.2914	0.0004	0.0097	0.9990	0.0013	0.0054	0.7815	0.0010	0.0023 J	0.2879	0.0004	0.0364	0.0881	0.0001	0.0404	0.1812	0.0002	0.0161	0.2960	0.0004	0.0103	0.3131	0.0004	0.0117	2.2201	0.0030	0.0060	1.5666	0.0021
C3-Benzanthracenes/Chrysenes	1213	24.26	< 0.0053 U	--	--	0.0087	0.3346	0.0003	< 0.0054 U	--	--	0.0054	0.5561	0.0005	< 0.0052 U	--	--	< 0.0043 U	--	--	< 0.034 U	--	--	< 0.016 U	--	--	< 0.0071 U	--	--	< 0.0067 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--
C3-Fluorenes	768	15.36	< 0.0053 U	--	--	0.0055	0.2115	0.0003	< 0.0054 U	--	--	< 0.0048 U	--	--	< 0.0052 U	--	--	< 0.0043 U	--	--	< 0.034 U	--	--	< 0.016 U	--	--	< 0.0071 U	--	--	0.0036 J	0.1094	0.0001	0.0028 J	0.5313	0.0007	< 0.0046 U	--	--
C3-Naphthalenes	581	11.62	0.0064	0.2246	0.0004	0.0126	0.4846	0.0008	0.0049 J	0.2800	0.0005	0.0083	0.8548	0.0015	0.0056	0.8104	0.0014	0.0029 J	0.3630	0.0006	0.0367	0.0889	0.0002	0.0297	0.1332	0.0002	0.0091	0.1673	0.0003	0.0072	0.2188	0.0004	0.0065	1.2334	0.0021	0.0038 J	0.9922	0.0017
C3-Phenanthrenes/Anthracenes	830	16.6	0.0048 J	0.1684	0.0002	0.0130	0.5000	0.0006	0.0033 J	0.1886	0.0002	0.0059	0.6076	0.0007	0.0030 J	0.4342	0.0005	< 0.0043 U	--	--	0.0210 J	0.0508	0.0001	0.0207	0.0928	0.0001	0.0109	0.2004	0.0002	0.0062 J	0.1884	0.0002	0.0074	1.4042	0.0017	0.0031 J	0.8094	0.0010
C4-Benzanthracenes/Chrysenes	1213	24.26	< 0.0053 U	--	--	< 0.0055 U	--	--	< 0.0054 U	--	--	< 0.0048 U	--	--	< 0.0052 U	--	--	< 0.0043 U	--	--	< 0.034 U	--	--	< 0.016 U	--	--	< 0.0071 U	--	--	< 0.0067 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--
C4-Naphthalenes	657	13.14	0.0075	0.2632	0.0004	0.0105	0.4038	0.0006	0.0058	0.3314	0.0005	0.0072	0.7415	0.0011	0.0062	0.8973	0.0014	0.0038 J	0.4756	0.0007	0.0219 J	0.0530	0.0001	0.0226	0.1013	0.0002	0.0082	0.1507	0.0002	0.0078	0.2371	0.0004	0.0071	1.3472	0.0021	0.0052	1.3577	0.0021
C4-Phenanthrenes/Anthracenes	670	13.4	< 0.0053 U	--	--	0.0057	0.2192	0.0003	< 0.0054 U	--	--	0.0038 J	0.3913	0.0006	< 0.0052 U	--	--	< 0.0043 U	--	--	< 0.034 U	--	--	0.0090 J	0.0404	0.0001	0.0043 J	0.0790	0.0001	0.0037 J	0.1125	0.0002	0.0034 J	0.6452	0.0010	< 0.0046 U	--	--
CHRYSENE	843	16.86	0.0182	0.6386	0.0008	0.0690	2.6538	0.0031	0.0063	0.3600	0.0004	0.0180	1.8538	0.0022	0.0056	0.8104	0.0010	0.0024 J	0.3004	0.0004	0.211	0.5109	0.0006	0.184	0.8251	0.0010	0.0479	0.8805	0.0010	0.0282	0.8571	0.0010	0.0296	5.6167	0.0067	0.0086	2.2454	0.0027
DIBENZ(A,H)ANTHRACENE	1122	22.44	< 0.0053 U	--	--	0.0100	0.3846	0.0003	< 0.0054 U	--	--	0.0027 J	0.2781	0.0002	< 0.0052 U	--	--	< 0.0043 U	--	--	0.0312 J	0.0755	0.0001	0.0251	0.1126	0.0001	0.0066 J	0.1213	0.0001	< 0.0067 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--
FLUORANTHENE	708	14.16	0.0313 J	1.0982	0.0016	0.118 J	4.5385	0.0064	0.0099	0.5657	0.0008	0.0253	2.6056	0.0037	0.0069	0.9986	0.0014	0.0028 J	0.3504	0.0005	0.392	0.9492	0.0013	0.328	1.4709	0.0021	0.0824	1.5147	0.0021	0.0452	1.3739	0.0019	0.0474	8.9943	0.0127	0.0143	3.7337	0.0053
FLUORENE	539	10.78	< 0.0053 U	--	--	0.0054 J	0.2077	0.0004	< 0.0054 U	--	--	< 0.0048 U	--	--	< 0.0052 U	--	--	< 0.0043 U	--	--	0.0204 J	0.0494	0.0001	0.0202	0.0906	0.0002	0.0049 J	0.0901	0.0002	< 0.0067 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--
INDENO(1,2,3-C,D)PYRENE	1115	22.3	0.0106	0.3719	0.0003	0.0409	1.5731	0.0014	0.0034 J	0.1943	0.0002	0.0107	1.1020	0.0010	0.0029 J	0.4197	0.0004	< 0.0043 U	--	--	0.131	0.3172	0.0003	0.112	0.5022	0.0005	0.0259	0.4761	0.0004	0.0169	0.5137	0.0005	0.0170	3.2258	0.0029	0.0046	1.2010	0.0011
NAPHTHALENE	385	7.7	0.0057	0.2000	0.0005	0.0089	0.3423	0.0009	0.0035 J	0.2000	0.0005	0.0051	0.5252	0.0014	0.0033 J	0.4776	0.0012	< 0.0043 U	--	--	< 0.034 U	--	--	0.0282	0.1265	0.0003	0.0115	0.2114	0.0005	< 0.0067 U	--	--	< 0.0053 U	--	--	< 0.0046 U	--	--
PERYLENE	967	19.34	0.0039 J	0.1368	0.0001	0.0143	0.5500	0.0006	< 0.0054 U	--	--	0.0050	0.5149	0.0005	0.0051 J	0.7381	0.0008	< 0.0043 U	--	--	0.0513	0.1242	0.0001	0.0397	0.1780	0.0002	0.0095	0.1746	0.0002	0.0066 J	0.2006	0.0002	0.0056	1.0626	0.0011	< 0.0046 U	--	--
PHENANTHRENE	597	11.94	0.0186	0.6526	0.0011	0.0634	2.4385	0.0041	0.0073	0.4171	0.0007	0.0150	1.5448	0.0026	0.0059	0.8538	0.0014	0.0030 J	0.3755	0.0006	0.199	0.4818	0.0008	0.181	0.8117	0.0014	0.0466	0.8566	0.0014	0.0246	0.7477	0.0013	0.0240	4.5541	0.0076	0.0078	2.0366	0.0034
PYRENE	698	13.96	0.0258	0.9053	0.0013	0.0985	3.7885	0.0054	0.0083	0.4743	0.0007	0.0214	2.2039	0.0032	0.0056	0.8104	0.0012	0.0024 J	0.3004	0.0004	0.325	0.7869	0.0011	0.267	1.1973	0.0017	0.0687	1.2629	0.0018	0.0370	1.1246	0.0016	0.0392	7.4383	0.0107	0.0118	3.0809	0.0044
TOC	--	--	28500	--	--	26000	--	--	17500	--	--	9710	--	--	6910	--	--	7990	--	--	413000	--	--	223000	--	--	54400	--	--	32900	--	--	5270	--	--	3830	--	--
Total PAH Toxicity Units	--	--	--	--	0.0137	--	--	0.0506	--	--	0.0086	--	--	0.0399	--	--	0.0213	--	--	0.0062	--	--	0.0089	--	--	0.0152	--	--	0.0175	--	--	0.0158	--	--	0.1054	--	--	0.0445

Notes:
PAH - Polycyclic Aromatic Hydrocarbon.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
mg/kg - milligrams per kilogram.
µg/gOC - micrograms per gram of Organic Carbon.
TOC - Total Organic Carbon.
TU - Toxicity unit.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 5
PAH Screening Table with Calculated Toxicity Units
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria		Transect K																	
Sample ID			SDK1			SDK1			SDK1			SDK2			SDK2			SDK2		
Sample Date			11/5/2013			11/5/2013			11/5/2013			11/5/2013			11/5/2013			11/5/2013		
Sample Interval (inches)			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
ACENAPHTHENE	491	9.82	0.0226	0.2093	0.0004	< 0.0051 U	--	--	< 0.0055 U	--	--	< 0.0059 U	--	--	< 0.0045 U	--	--	< 0.0047 U	--	--
ACENAPHTHYLENE	452	9.04	0.122	1.1296	0.0025	0.0048 J	0.2115	0.0005	< 0.0055 U	--	--	0.0033 J	0.1347	0.0003	0.0084	1.3548	0.0030	< 0.0047 U	--	--
ANTHRACENE	594	11.88	0.297	2.7500	0.0046	0.0038 J	0.1674	0.0003	< 0.0055 U	--	--	0.0053 J	0.2163	0.0004	0.0101	1.6290	0.0027	< 0.0047 U	--	--
BENZO(A)ANTHRACENE	841	16.82	0.256	2.3704	0.0028	0.0072	0.3172	0.0004	0.0030 J	0.2308	0.0003	0.0138	0.5633	0.0007	0.0230	3.7097	0.0044	< 0.0047 U	--	--
BENZO(A)PYRENE	964	19.28	0.259	2.3981	0.0025	0.0089	0.3921	0.0004	0.0040 J	0.3077	0.0003	0.0168	0.6857	0.0007	0.0275	4.4355	0.0046	< 0.0047 U	--	--
BENZO(B)FLUORANTHENE	979	19.58	0.258	2.3889	0.0024	0.0092	0.4053	0.0004	0.0047 J	0.3615	0.0004	0.0136	0.5551	0.0006	0.0249	4.0161	0.0041	< 0.0047 U	--	--
BENZO(G,H,I)PERYLENE	1095	21.9	0.193	1.7870	0.0016	0.0073	0.3216	0.0003	0.0035 J	0.2692	0.0002	0.0100	0.4082	0.0004	0.0202	3.2581	0.0030	< 0.0047 U	--	--
BENZO(K)FLUORANTHENE	980	19.6	0.247	2.2870	0.0023	0.0085	0.3744	0.0004	0.0038 J	0.2923	0.0003	0.0144	0.5878	0.0006	0.0252	4.0645	0.0041	< 0.0047 U	--	--
BENZO[E]PYRENE	967	19.34	0.212	1.9630	0.0020	0.0075	0.3304	0.0003	0.0038 J	0.2923	0.0003	0.0111	0.4531	0.0005	0.0210	3.3871	0.0035	< 0.0047 U	--	--
C1-Benzanthracenes/Chrysenes	930	18.6	0.0163	0.1509	0.0002	0.0064	0.2819	0.0003	0.0031 J	0.2385	0.0003	0.0070	0.2857	0.0003	0.0153	2.4677	0.0027	< 0.0047 U	--	--
C1-Fluoranthenes/Pyrenes	769	15.38	0.0683	0.6324	0.0008	0.0096	0.4229	0.0005	0.0052 J	0.4000	0.0005	0.0119	0.4857	0.0006	0.0250	4.0323	0.0052	< 0.0047 U	--	--
C1-Fluorenes	611	12.22	< 0.0093 U	--	--	0.0029 J	0.1278	0.0002	0.0032 J	0.2462	0.0004	< 0.0059 U	--	--	0.0040 J	0.6452	0.0011	< 0.0047 U	--	--
C1-Naphthalenes	445	8.9	0.0390	0.3611	0.0008	< 0.0051 U	--	--	< 0.0055 U	--	--	< 0.0059 U	--	--	< 0.0045 U	--	--	< 0.0047 U	--	--
C1-Phenanthrenes/Anthracenes	670	13.4	0.0630	0.5833	0.0009	0.0092	0.4053	0.0006	0.0052 J	0.4000	0.0006	0.0089	0.3633	0.0005	0.0202	3.2581	0.0049	< 0.0047 U	--	--
C2-Benzanthracenes/Chrysenes	1009	20.18	0.0163 J	0.1509	0.0001	0.0064 J	0.2819	0.0003	0.0031 J	0.2385	0.0002	0.0070 U	0.2857	0.0003	0.0153	2.4677	0.0024	< 0.0047 U	--	--
C2-Fluorenes	687	13.74	< 0.0093 U	--	--	0.0039 J	0.1718	0.0003	0.0035 J	0.2692	0.0004	< 0.0059 U	--	--	0.0047	0.7581	0.0011	< 0.0047 U	--	--
C2-Naphthalenes	510	10.2	0.0217	0.2009	0.0004	0.0059	0.2599	0.0005	0.0064	0.4923	0.0010	0.0038 J	0.1551	0.0003	0.0054	0.8710	0.0017	< 0.0047 U	--	--
C2-Phenanthrenes/Anthracenes	745	14.9	0.0228	0.2111	0.0003	0.0061	0.2687	0.0004	0.0037 J	0.2846	0.0004	0.0041 J	0.1673	0.0002	0.0122	1.9677	0.0026	< 0.0047 U	--	--
C3-Benzanthracenes/Chrysenes	1213	24.26	< 0.0093 U	--	--	< 0.0051 U	--	--	< 0.0055 U	--	--	< 0.0059 U	--	--	0.0044 J	0.7097	0.0006	< 0.0047 U	--	--
C3-Fluorenes	768	15.36	< 0.0093 U	--	--	< 0.0051 U	--	--	< 0.0055 U	--	--	< 0.0059 U	--	--	< 0.0045 U	--	--	< 0.0047 U	--	--
C3-Naphthalenes	581	11.62	0.0164	0.1519	0.0003	0.0063	0.2775	0.0005	0.0050 J	0.3846	0.0007	0.0031 J	0.1265	0.0002	0.0074	1.1935	0.0021	< 0.0047 U	--	--
C3-Phenanthrenes/Anthracenes	830	16.6	0.0230	0.2130	0.0003	0.0048 J	0.2115	0.0003	0.0033 J	0.2538	0.0003	< 0.0059 U	--	--	0.0068	1.0968	0.0013	< 0.0047 U	--	--
C4-Benzanthracenes/Chrysenes	1213	24.26	< 0.0093 U	--	--	< 0.0051 U	--	--	< 0.0055 U	--	--	< 0.0059 U	--	--	< 0.0045 U	--	--	< 0.0047 U	--	--
C4-Naphthalenes	657	13.14	< 0.0093 U	--	--	0.0065	0.2863	0.0004	0.0067	0.5154	0.0008	0.0040 J	0.1633	0.0002	0.0073	1.1774	0.0018	< 0.0047 U	--	--
C4-Phenanthrenes/Anthracenes	670	13.4	0.0050 J	0.0463	0.0001	< 0.0051 U	--	--	< 0.0055 U	--	--	< 0.0059 U	--	--	0.0044 J	0.7097	0.0011	< 0.0047 U	--	--
CHRYSENE	843	16.86	0.336	3.1111	0.0037	0.0122	0.5374	0.0006	0.0057	0.4385	0.0005	0.0177	0.7224	0.0009	0.0326	5.2581	0.0062	< 0.0047 U	--	--
DIBENZ(A,H)ANTHRACENE	1122	22.44	0.0699	0.6472	0.0006	< 0.0051 U	--	--	< 0.0055 U	--	--	< 0.0059 U	--	--	0.0073	1.1774	0.0010	0.0060	1.5915	0.0014
FLUORANTHENE	708	14.16	0.507	4.6944	0.0066	0.0155	0.6828	0.0010	0.0069	0.5308	0.0007	0.0329	1.3429	0.0019	0.0517	8.3387	0.0118	< 0.0047 U	--	--
FLUORENE	539	10.78	0.0227	0.2102	0.0004	< 0.0051 U	--	--	< 0.0055 U	--	--	< 0.0059 U	--	--	0.0029 J	0.4677	0.0009	< 0.0047 U	--	--
INDENO(1,2,3-C,D)PYRENE	1115	22.3	0.207	1.9167	0.0017	0.0074	0.3260	0.0003	0.0035 J	0.2692	0.0002	0.0103	0.4204	0.0004	0.0207	3.3387	0.0030	0.0038 J	1.0080	0.0009
NAPHTHALENE	385	7.7	0.0636	0.5889	0.0015	< 0.0051 U	--	--	< 0.0055 U	--	--	< 0.0059 U	--	--	0.0052	0.8387	0.0022	< 0.0047 U	--	--
PERYLENE	967	19.34	0.0627	0.5806	0.0006	0.0093	0.4097	0.0004	0.0077	0.5923	0.0006	0.0060	0.2449	0.0003	0.0325	5.2419	0.0054	< 0.0047 U	--	--
PHENANTHRENE	597	11.94	0.299	2.7685	0.0046	0.0094	0.4141	0.0007	0.0050 J	0.3846	0.0006	0.0192	0.7837	0.0013	0.0288	4.6452	0.0078	< 0.0047 U	--	--
PYRENE	698	13.96	0.424	3.9259	0.0056	0.0128	0.5639	0.0008	0.0056	0.4308	0.0006	0.0278	1.1347	0.0016	0.0437	7.0484	0.0101	< 0.0047 U	--	--
TOC	--	--	108000	--	--	22700	--	--	13000	--	--	24500	--	--	6200	--	--	3770	--	--
Total PAH Toxicity Units	--	--	--	--	0.0508	--	--	0.0110	--	--	0.0107	--	--	0.0131	--	--	0.1064	--	--	0.0023

Notes:
PAH - Polycyclic Aromatic Hydrocarbon.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
mg/kg - milligrams per kilogram.
µg/gOC - micrograms per gram of Organic Carbon.
TOC - Total Organic Carbon.
TU - Toxicity unit.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 5
PAH Screening Table with Calculated Toxicity Units
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect			North Swale to Sanders Creek																															
Sample ID	NYSDEC Screening Criteria		SDS1			SDS1			SDS1			SDS2			SDS2			SDS2			SDS3			SDS3			SDS3			SDS4			SDS4		
Sample Date			11/4/2013			11/4/2013			11/4/2013			11/4/2013			11/4/2013			11/4/2013			11/4/2013			11/4/2013			11/4/2013			11/4/2013			11/4/2013		
Sample Interval (inches)			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
ACENAPHTHENE	491	9.82	< 0.0047 U	--	--	< 0.0060 U	--	--	< 0.0042 U	--	--	0.0056	0.2343	0.0005	< 0.0047 U	--	--	0.0057 J	0.2969	0.0006	< 0.0049 U	--	--	< 0.0054 U	--	--	0.0086	0.5181	0.0011	0.0067 J	0.1311	0.0003	< 0.0055 U	--	--	< 0.0047 U	--	--
ACENAPHTHYLENE	452	9.04	0.0025 J	0.3365	0.0007	0.0036 J	0.1043	0.0002	< 0.0042 U	--	--	0.0146	0.6109	0.0014	0.0024 J	0.3681	0.0008	0.0099	0.5156	0.0011	0.0074	0.5441	0.0012	< 0.0054 U	--	--	0.0134	0.8072	0.0018	0.0319	0.6243	0.0014	< 0.0055 U	--	--	0.0052	0.5149	0.0011
ANTHRACENE	594	11.88	0.0024 J	0.3230	0.0005	< 0.0060 U	--	--	< 0.0042 U	--	--	0.0213	0.8912	0.0015	0.0029 J	0.4448	0.0007	0.0105	0.5469	0.0009	0.0063	0.4632	0.0008	< 0.0054 U	--	--	0.0106	0.6386	0.0011	0.0291	0.5695	0.0010	< 0.0055 U	--	--	0.0034 J	0.3366	0.0006
BENZO(A)ANTHRACENE	841	16.82	0.0049	0.6595	0.0008	0.0062	0.1797	0.0002	< 0.0042 U	--	--	0.0345	1.4435	0.0017	0.0057	0.8742	0.0010	0.0188	0.9792	0.0012	0.0161	1.1838	0.0014	< 0.0054 U	--	--	0.0168	1.0120	0.0012	0.0595	1.1644	0.0014	< 0.0055 U	--	--	0.0079	0.7822	0.0009
BENZO(A)PYRENE	964	19.28	0.0056 J	0.7537	0.0008	0.0075 J	0.2174	0.0002	< 0.0042 U	--	--	0.0362 J	1.5146	0.0016	0.0060 J	0.9202	0.0010	0.0196 J	1.0208	0.0011	0.0180 J	1.3235	0.0014	< 0.0054 U	--	--	0.0180 J	1.0843	0.0011	0.0686 J	1.3425	0.0014	< 0.0055 U	--	--	0.0096 J	0.9505	0.0010
BENZO(B)FLUORANTHENE	979	19.58	0.0053 J	0.7133	0.0007	0.0074 J	0.2145	0.0002	< 0.0042 U	--	--	0.0317 J	1.3264	0.0014	0.0059 J	0.9049	0.0009	0.0179 J	0.9323	0.0010	0.0185 J	1.3603	0.0014	< 0.0054 U	--	--	0.0186 J	1.1205	0.0011	0.0599 J	1.1722	0.0012	< 0.0055 U	--	--	0.0091 J	0.9010	0.0009
BENZO(G,H,I)PERYLENE	1095	21.9	0.0038 J	0.5114	0.0005	0.0053 J	0.1536	0.0001	< 0.0042 U	--	--	0.0246 J	1.0293	0.0009	0.0047 J	0.7209	0.0007	0.0137 J	0.7135	0.0007	0.0134 J	0.9853	0.0009	< 0.0054 U	--	--	0.0140 J	0.8434	0.0008	0.0452 J	0.8845	0.0008	< 0.0055 U	--	--	0.0067 J	0.6634	0.0006
BENZO(K)FLUORANTHENE	980	19.6	0.0052 J	0.6999	0.0007	0.0068 J	0.1971	0.0002	< 0.0042 U	--	--	0.0316 J	1.3222	0.0013	0.0056 J	0.8589	0.0009	0.0181 J	0.9427	0.0010	0.0175 J	1.2868	0.0013	< 0.0054 U	--	--	0.0168 J	1.0120	0.0010	0.0618 J	1.2094	0.0012	< 0.0055 U	--	--	0.0086 J	0.8515	0.0009
BENZO[E]PYRENE	967	19.34	0.0041 J	0.5518	0.0006	0.0057 J	0.1652	0.0002	< 0.0042 U	--	--	0.0274 J	1.1464	0.0012	0.0052 J	0.7975	0.0008	0.0154 J	0.8021	0.0008	0.0154 J	1.1324	0.0012	< 0.0054 U	--	--	0.0162 J	0.9759	0.0010	0.0508 J	0.9941	0.0010	< 0.0055 U	--	--	0.0077 J	0.7624	0.0008
C1-Benzanthracenes/Chrysenes	930	18.6	0.0041 J	0.5518	0.0006	0.0062	0.1797	0.0002	< 0.0042 U	--	--	0.0175	0.7322	0.0008	0.0038 J	0.5828	0.0006	0.0142	0.7396	0.0008	0.0104	0.7647	0.0008	< 0.0054 U	--	--	0.0129	0.7771	0.0008	0.0374	0.7319	0.0008	< 0.0055 U	--	--	0.0061	0.6040	0.0006
C1-Fluoranthenes/Pyrenes	769	15.38	0.0088	1.1844	0.0015	0.0122	0.3536	0.0005	0.0042	0.8268	0.0011	0.0359	1.5021	0.0020	0.0081	1.2423	0.0016	0.0288	1.5000	0.0020	0.0187	1.3750	0.0018	0.0045 J	0.3103	0.0004	0.0250	1.5060	0.0020	0.0711	1.3914	0.0018	0.0038 J	0.1301	0.0002	0.0122	1.2079	0.0016
C1-Fluorenes	611	12.22	0.0066	0.8883	0.0015	0.0064	0.1855	0.0003	0.0039 J	0.7677	0.0013	0.0082	0.3431	0.0006	0.0039 J	0.5982	0.0010	0.0088	0.4583	0.0008	0.0061	0.4485	0.0007	0.0044 J	0.3034	0.0005	0.0084	0.5060	0.0008	0.0085	0.1663	0.0003	0.0033 J	0.1130	0.0002	0.0068	0.6733	0.0011
C1-Naphthalenes	445	8.9	0.0062	0.8345	0.0019	0.0080	0.2319	0.0005	0.0051	1.0039	0.0023	0.0102	0.4268	0.0010	0.0091	1.3957	0.0031	0.0162	0.8438	0.0019	0.0145	1.0662	0.0024	0.0089	0.6138	0.0014	0.0266	1.6024	0.0036	0.0194	0.3796	0.0009	0.0075	0.2568	0.0006	0.0088	0.8713	0.0020
C1-Phenanthrenes/Anthracenes	670	13.4	0.0131	1.7631	0.0026	0.0150	0.4348	0.0006	0.0064	1.2598	0.0019	0.0302	1.2636	0.0019	0.0092	1.4110	0.0021	0.0292	1.5208	0.0023	0.0196	1.4412	0.0022	0.0065	0.4483	0.0007	0.0274	1.6506	0.0025	0.0539	1.0548	0.0016	0.0063	0.2158	0.0003	0.0264	2.6139	0.0039
C2-Benzanthracenes/Chrysenes	1009	20.18	0.0041 J	0.5518	0.0005	0.0062 U	0.1797	0.0002	< 0.0042 U	--	--	0.0175	0.7322	0.0007	0.0038 J	0.5828	0.0006	0.0142	0.7396	0.0007	0.0104	0.7647	0.0008	< 0.0054 U	--	--	0.0129	0.7771	0.0008	0.0374	0.7319	0.0007	< 0.0055 U	--	--	0.0061 U	0.6040	0.0006
C2-Fluorenes	687	13.74	0.0082	1.1036	0.0016	0.0121	0.3507	0.0005	0.0078	1.5354	0.0022	0.0106	0.4435	0.0006	0.0077	1.1810	0.0017	0.0143	0.7448	0.0011	0.0107	0.7868	0.0011	0.0055	0.3793	0.0006	0.0117	0.7048	0.0010	0.0164	0.3209	0.0005	< 0.0055 U	--	--	0.0141	1.3960	0.0020
C2-Naphthalenes	510	10.2	0.0147	1.9785	0.0039	0.0151	0.4377	0.0009	0.0098	1.9291	0.0038	0.0164	0.6862	0.0013	0.0140	2.1472	0.0042	0.0229	1.1927	0.0023	0.0283	2.0809	0.0041	0.0132	0.9103	0.0018	0.0269	1.6205	0.0032	0.0234	0.4579	0.0009	0.0115	0.3938	0.0008	0.0295	2.9208	0.0057
C2-Phenanthrenes/Anthracenes	745	14.9	0.0108	1.4536	0.0020	0.0119	0.3449	0.0005	0.0053	1.0433	0.0014	0.0167	0.6987	0.0009	0.0068	1.0429	0.0014	0.0213	1.1094	0.0015	0.0141	1.0368	0.0014	0.0048 J	0.3310	0.0004	0.0168	1.0120	0.0014	0.0330	0.6458	0.0009	0.0051 J	0.1747	0.0002	0.0224	2.2178	0.0030
C3-Benzanthracenes/Chrysenes	1213	24.26	< 0.0047 U	--	--	< 0.0060 U	--	--	< 0.0042 U	--	--	< 0.0053 U	--	--	< 0.0047 U	--	--	< 0.0063 U	--	--	< 0.0049 U	--	--	< 0.0054 U	--	--	< 0.0056 U	--	--	< 0.0074 U	--	--	< 0.0055 U	--	--	< 0.0047 U	--	--
C3-Fluorenes	768	15.36	0.0071	0.9556	0.0012	0.0128	0.3710	0.0005	0.0062	1.2205	0.0016	0.0143	0.5983	0.0008	0.0074	1.1350	0.0015	0.0170	0.8854	0.0012	0.0166	1.2206	0.0016	< 0.0054 U	--	--	0.0381	2.2952	0.0030	0.0445	0.8708	0.0011	< 0.0055 U	--	--	0.0158	1.5644	0.0020
C3-Naphthalenes	581	11.62	0.0218	2.9341	0.0051	0.0224	0.6493	0.0011	0.0124	2.4409	0.0042	0.0186	0.7782	0.0013	0.0136	2.0859	0.0036	0.0263	1.3698	0.0024	0.0311	2.2868	0.0039	0.0118	0.8138	0.0014	0.0201	1.2108	0.0021	0.0224	0.4384	0.0008	< 0.0055 U	--	--	0.0482	4.7723	0.0082
C3-Phenanthrenes/Anthracenes	830	16.6	0.0068	0.9152	0.0011	0.0086	0.2493	0.0003	0.0042	0.8268	0.0010	0.0096	0.4017	0.0005	0.0049	0.7515	0.0009	0.0110	0.5729	0.0007	0.0076	0.5588	0.0007	0.0038 J	0.2621	0.0003	0.0087	0.5241	0.0006	0.0171	0.3346	0.0004	0.0034 J	0.1164	0.0001	0.0121	1.1980	0.0014
C4-Benzanthracenes/Chrysenes	1213	24.26	< 0.0047 U	--	--	< 0.0060 U	--	--	< 0.0042 U	--	--	< 0.0053 U	--	--	< 0.0047 U	--	--	< 0.0063 U	--	--	< 0.0049 U	--	--	< 0.0054 U	--	--	< 0.0056 U	--	--	< 0.0074 U	--	--	< 0.0055 U	--	--	< 0.0047 U	--	--
C4-Naphthalenes	657	13.14	0.0169	2.2746	0.0035	0.0231	0.6696	0.0010	0.0103	2.0276	0.0031	0.0115	0.4812	0.0007	0.0127	1.9479	0.0030	0.0217	1.1302	0.0017	0.0214	1.5735	0.0024	0.0115	0.7931	0.0012	0.0156	0.9398	0.0014	0.0212	0.4149	0.0006	0.0111	0.3801	0.0006	0.0357	3.5347	0.0054
C4-Phenanthrenes/Anthracenes	670	13.4	0.0050	0.6729	0.0010	0.0054 J	0.1565	0.0002	0.0036 J	0.7087	0.0011	0.0063	0.2636	0.0004	< 0.0047 U	--	--	0.0072	0.3750	0.0006	0.0036 J	0.2647	0.0004	< 0.0054 U	--	--	0.0049 J	0.2952	0.0004	0.0079	0.1546	0.0002	< 0.0055 U	--	--	0.0040 J	0.3960	0.0006
CHRYSENE	843	16.86	0.0075	1.0094	0.0012	0.0100	0.2899	0.0003	< 0.0042 U	--	--	0.0446	1.8661	0.0022	0.0082	1.2577	0.0015	0.0273	1.4219	0.0017	0.0238	1.7500	0.0021	0.0036 J	0.2483	0.0003	0.0265	1.5964	0.0019	0.0829	1.6223	0.0019	< 0.0055 U	--	--	0.0117	1.1584	0.0014
DIBENZ(A,H)ANTHRACENE	1122	22.44	< 0.0047 U	--	--	< 0.0060 U	--	--	< 0.0042 U	--	--	0.0063 J	0.2636	0.0002	< 0.0047 U	--	--	0.0032 J	0.1667	0.0001	0.0029 J	0.2132	0.0002	< 0.0054 U	--	--	0.0031 J	0.1867	0.0002	0.0116 J	0.2270	0.0002	< 0.0055 U	--	--	< 0.0047 U	--	--
FLUORANTHENE	708	14.16	0.0123	1.6555	0.0023	0.0157	0.4551	0.0006	< 0.0042 U	--	--	0.0878	3.6736	0.0052	0.0142	2.1779	0.0031	0.0501	2.6094	0.0037	0.0392	2.8824	0.0041	< 0.0054 U	--	--	0.0428	2.5783	0.0036	0.156	3.0528	0.0043	< 0.0055 U	--	--	0.0192	1.9010	0.0027
FLUORENE	539	10.78	0.0025 J	0.3365	0.0006	< 0.0060 U	--	--	< 0.0042 U	--	--	0.0083	0.3473	0.0006	0.0028 J	0.4294	0.0008	0.0063	0.3281	0.0006	0.0043 J	0.3162	0.0006	0.0027 J	0.1862	0.0003	0.0071	0.4277	0.0008	0.0093	0.1820	0.0003	< 0.0055 U	--	--	0.0030 J	0.2970	0.0006
INDENO(1,2,3-C,D)PYRENE	1115	22.3	0.0040 J	0.5384	0.0005	0.0051 J	0.1478	0.0001	< 0.0042 U	--	--	0.0233 J	0.9749	0.0009	0.0044 J	0.6748	0.0006	0.0132 J	0.6875	0.0006	0.0136 J	1.0000	0.0009	< 0.0054 U	--	--	0.0119 J	0.7169	0.0006	0.0464 J	0.9080	0.0008	< 0.0055 U	--	--	0.0070 J	0.6931	0.0006
NAPHTHALENE	385	7.7	0.0035 J	0.4711	0.0012	0.0049 J	0.1420	0.0004	0.0023 J	0.4528	0.0012	0.0057	0.2385	0.0006	0.0056	0.8589	0.0022	0.0141	0.7344	0.0019	0.0094	0.6912	0.0018	0.0044 J	0.3034	0.0008	0.0192	1.1566	0.0030	0.0246	0.4814	0.0013	0.0050 J	0.1712	0.0004	0.0069	0.6832	0.0018
PERYLENE	967	19.34	< 0.0047 U	--	--	< 0.0060 U	--	--	< 0.0042 U	--	--	0.0098 J	0.4100	0.0004	0.0026 J	0.3988	0.0004	0.0077 J	0.4010	0.0004	0.0048 J	0.3529	0.0004	< 0.0054 U	--	--	0.0096 J	0.5783	0.0006	0.0169 J	0.3307	0.0003	< 0.0055 U	--	--	0.0025 J	0.2475	0.0003
PHENANTHRENE	597	11.94	0.0107	1.4401	0.0024	0.0116	0.3362	0.0006	0.0036 J	0.7087	0.0012	0.0606	2.5356	0.0042	0.0112	1.7178	0.0029	0.0382	1.9896	0.0033	0.0245	1.8015	0.0030	0.0046 J	0.3172	0.0005	0.0391	2.3554	0.0039	0.0967	1.8924	0.0032	0.0044 J	0.1507	0.0003	0.0150	1.4851	0.0025
PYRENE	698	13.96	0.0112	1.5074	0.0022	0.0140	0.4058	0.0006	< 0.0042 U	--	--	0.0748	3.1297	0.0045	0.0127	1.9479	0.0028	0.0428	2.2292	0.0032	0.0336	2.4706	0.0035	< 0.0054 U	--	--	0.0399	2.4036	0.0034	0.131	2.5636	0.0037	< 0.0055 U	--	--	0.0183	1.8119	0.0026
TOC	--	--	7430	--	--	34500	--	--	5080	--	--	23900	--	--	6520	--	--	19200	--	--	13600	--	--	14500	--	--	16600	--	--	51100	--	--	29200	--	--	10100	--	--
Total PAH Toxicity Units	--	--	--	--	0.0437	--	--	0.0113	--	--	0.0272	--	--	0.0439	--	--	0.0464	--	--	0.0437	--	--	0.0503	--	--	0.0106	--	--	0.0519	--	--	0.0371	--	--	0.0037	--	--	0.0573

Notes:
PAH - Polycyclic Aromatic Hydrocarbon.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented withGray text.
J - Estimated.
mg/kg - milligrams per kilogram.
µg/gOC - micrograms per gram of Organic Carbon.
TOC - Total Organic Carbon.
TU - Toxicity unit.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 5
PAH Screening Table with Calculated Toxicity Units
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria		North Swale to Sanders Creek																									
Sample ID			SDS5			SDS5			SDS5			SDS6			SDS6			SDS6			SDS7			SDS7			SDS7		
Sample Date			11/4/2013			11/4/2013			11/4/2013			11/5/2013			11/5/2013			11/5/2013			11/5/2013			11/5/2013			11/5/2013		
Sample Interval (inches)			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24			0 - 6			6 - 12			18 - 24		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
ACENAPHTHENE	491	9.82	0.0219	0.4140	0.0008	< 0.0060 U	--	--	< 0.0053 U	--	--	< 0.0061 U	--	--	< 0.0057 U	--	--	< 0.0052 U	--	--	< 0.0057 U	--	--	< 0.0046 U	--	--	< 0.0043 U	--	--
ACENAPHTHYLENE	452	9.04	0.0353	0.6673	0.0015	0.0164	0.4955	0.0011	< 0.0053 U	--	--	0.0119	0.3260	0.0007	0.0135	0.5153	0.0011	0.0046 J	0.1549	0.0003	0.0120	0.3960	0.0009	0.0069	0.5149	0.0011	0.0038 J	0.3930	0.0009
ANTHRACENE	594	11.88	0.0382	0.7221	0.0012	0.0122	0.3686	0.0006	< 0.0053 U	--	--	0.0138	0.3781	0.0006	0.0151	0.5763	0.0010	0.0047 J	0.1582	0.0003	0.0152	0.5017	0.0008	0.0084	0.6269	0.0011	0.0031 J	0.3206	0.0005
BENZO(A)ANTHRACENE	841	16.82	0.0635	1.2004	0.0014	0.0259	0.7825	0.0009	< 0.0053 U	--	--	0.0380	1.0411	0.0012	0.0399	1.5229	0.0018	0.0124	0.4175	0.0005	0.0469	1.5479	0.0018	0.0243	1.8134	0.0022	0.0065	0.6722	0.0008
BENZO(A)PYRENE	964	19.28	0.0685 J	1.2949	0.0013	0.0301 J	0.9094	0.0009	< 0.0053 U	--	--	0.0462	1.2658	0.0013	0.0485	1.8511	0.0019	0.0148	0.4983	0.0005	0.0588	1.9406	0.0020	0.0308	2.2985	0.0024	0.0080	0.8273	0.0009
BENZO(B)FLUORANTHENE	979	19.58	0.0605 J	1.1437	0.0012	0.0247 J	0.7462	0.0008	< 0.0053 U	--	--	0.0382	1.0466	0.0011	0.0414	1.5802	0.0016	0.0123	0.4141	0.0004	0.0539	1.7789	0.0018	0.0278	2.0746	0.0021	0.0066	0.6825	0.0007
BENZO(G,H,I)PERYLENE	1095	21.9	0.0431 J	0.8147	0.0007	0.0185 J	0.5589	0.0005	< 0.0053 U	--	--	0.0288	0.7890	0.0007	0.0299	1.1412	0.0010	0.0086	0.2896	0.0003	0.0400	1.3201	0.0012	0.0206	1.5373	0.0014	0.0053	0.5481	0.0005
BENZO(K)FLUORANTHENE	980	19.6	0.0627 J	1.1853	0.0012	0.0274 J	0.8278	0.0008	< 0.0053 U	--	--	0.0413	1.1315	0.0012	0.0430	1.6412	0.0017	0.0129	0.4343	0.0004	0.0532	1.7558	0.0018	0.0270	2.0149	0.0021	0.0068	0.7032	0.0007
BENZO[E]PYRENE	967	19.34	0.0515 J	0.9735	0.0010	0.0223 J	0.6737	0.0007	< 0.0053 U	--	--	0.0312	0.8548	0.0009	0.0331	1.2634	0.0013	0.0098	0.3300	0.0003	0.0439	1.4488	0.0015	0.0227	1.6940	0.0018	0.0055	0.5688	0.0006
C1-Benzanthracenes/Chrysenes	930	18.6	0.0387	0.7316	0.0008	0.0187	0.5650	0.0006	< 0.0053 U	--	--	0.0201	0.5507	0.0006	0.0219	0.8359	0.0009	0.0070	0.2357	0.0003	0.0223	0.7360	0.0008	0.0123	0.9179	0.0010	0.0046	0.4757	0.0005
C1-Fluoranthenes/Pyrenes	769	15.38	0.0840	1.5879	0.0021	0.0349	1.0544	0.0014	< 0.0053 U	--	--	0.0361	0.9890	0.0013	0.0382	1.4580	0.0019	0.0122	0.4108	0.0005	0.0389	1.2838	0.0017	0.0212	1.5821	0.0021	0.0078	0.8066	0.0010
C1-Fluorenes	611	12.22	0.0170	0.3214	0.0005	0.0055 J	0.1662	0.0003	< 0.0053 U	--	--	0.0033 J	0.0904	0.0001	< 0.0057 U	--	--	< 0.0052 U	--	--	< 0.0057 U	--	--	< 0.0046 U	--	--	< 0.0043 U	--	--
C1-Naphthalenes	445	8.9	0.0458	0.8658	0.0019	0.0101	0.3051	0.0007	0.0048 J	0.2254	0.0005	< 0.0061 U	--	--	< 0.0057 U	--	--	< 0.0052 U	--	--	< 0.0057 U	--	--	< 0.0046 U	--	--	< 0.0043 U	--	--
C1-Phenanthrenes/Anthracenes	670	13.4	0.0852	1.6106	0.0024	0.0320	0.9668	0.0014	0.0038 J	0.1784	0.0003	0.0238	0.6521	0.0010	0.0265	1.0115	0.0015	0.0089	0.2997	0.0004	0.0233	0.7690	0.0011	0.0134	1.0000	0.0015	0.0059	0.6101	0.0009
C2-Benzanthracenes/Chrysenes	1009	20.18	0.0387	0.7316	0.0007	0.0187	0.5650	0.0006	< 0.0053 U	--	--	0.0201	0.5507	0.0005	0.0219	0.8359	0.0008	0.0070 J	0.2357	0.0002	0.0223	0.7360	0.0007	0.0123 J	0.9179	0.0009	0.0046 U	0.4757	0.0005
C2-Fluorenes	687	13.74	0.0175	0.3308	0.0005	0.0091	0.2749	0.0004	< 0.0053 U	--	--	0.0056 J	0.1534	0.0002	0.0046 J	0.1756	0.0003	< 0.0052 U	--	--	0.0047 J	0.1551	0.0002	0.0030 J	0.2239	0.0003	0.0034 J	0.3516	0.0005
C2-Naphthalenes	510	10.2	0.0473	0.8941	0.0018	0.0146	0.4411	0.0009	0.0064	0.3005	0.0006	0.0061	0.1671	0.0003	0.0089	0.3397	0.0007	0.0038 J	0.1279	0.0003	0.0047 J	0.1551	0.0003	0.0036 J	0.2687	0.0005	0.0029 J	0.2999	0.0006
C2-Phenanthrenes/Anthracenes	745	14.9	0.0438	0.8280	0.0011	0.0209	0.6314	0.0008	< 0.0053 U	--	--	0.0117	0.3205	0.0004	0.0139	0.5305	0.0007	0.0052	0.1751	0.0002	0.0115	0.3795	0.0005	0.0060	0.4478	0.0006	0.0032 J	0.3309	0.0004
C3-Benzanthracenes/Chrysenes	1213	24.26	0.0110	0.2079	0.0002	< 0.0060 U	--	--	< 0.0053 U	--	--	< 0.0061 U	--	--	< 0.0057 U	--	--	< 0.0052 U	--	--	< 0.0057 U	--	--	< 0.0046 U	--	--	< 0.0043 U	--	--
C3-Fluorenes	768	15.36	0.0270	0.5104	0.0007	0.0125	0.3776	0.0005	< 0.0053 U	--	--	0.0037 J	0.1014	0.0001	0.0049 J	0.1870	0.0002	< 0.0052 U	--	--	0.0041 J	0.1353	0.0002	< 0.0046 U	--	--	< 0.0043 U	--	--
C3-Naphthalenes	581	11.62	0.0342	0.6465	0.0011	0.0154	0.4653	0.0008	< 0.0053 U	--	--	0.0066	0.1808	0.0003	0.0076	0.2901	0.0005	0.0036 J	0.1212	0.0002	0.0056 J	0.1848	0.0003	0.0042 J	0.3134	0.0005	0.0031 J	0.3206	0.0006
C3-Phenanthrenes/Anthracenes	830	16.6	0.0190	0.3592	0.0004	0.0118	0.3565	0.0004	< 0.0053 U	--	--	0.0066	0.1808	0.0002	0.0080	0.3053	0.0004	0.0030 J	0.1010	0.0001	0.0070	0.2310	0.0003	0.0036 J	0.2687	0.0003	0.0024 J	0.2482	0.0003
C4-Benzanthracenes/Chrysenes	1213	24.26	< 0.0071 U	--	--	< 0.0060 U	--	--	< 0.0053 U	--	--	< 0.0061 U	--	--	< 0.0057 U	--	--	< 0.0052 U	--	--	< 0.0057 U	--	--	< 0.0046 U	--	--	< 0.0043 U	--	--
C4-Naphthalenes	657	13.14	0.0243	0.4594	0.0007	0.0138	0.4169	0.0006	0.0053	0.2488	0.0004	0.0056 J	0.1534	0.0002	0.0070	0.2672	0.0004	0.0052	0.1751	0.0003	0.0069	0.2277	0.0003	0.0052	0.3881	0.0006	0.0044	0.4550	0.0007
C4-Phenanthrenes/Anthracenes	670	13.4	0.0089	0.1682	0.0003	0.0056 J	0.1692	0.0003	< 0.0053 U	--	--	0.0038 J	0.1041	0.0002	0.0046 J	0.1756	0.0003	< 0.0052 U	--	--	0.0035 J	0.1155	0.0002	< 0.0046 U	--	--	< 0.0043 U	--	--
CHRYSENE	843	16.86	0.0884	1.6711	0.0020	0.0369	1.1148	0.0013	< 0.0053 U	--	--	0.0498	1.3644	0.0016	0.0530	2.0229	0.0024	0.0156	0.5253	0.0006	0.0647	2.1353	0.0025	0.0332	2.4776	0.0029	0.0085	0.8790	0.0010
DIBENZ(A,H)ANTHRACENE	1122	22.44	0.0112 J	0.2117	0.0002	0.0047 J	0.1420	0.0001	< 0.0053 U	--	--	0.0072	0.1973	0.0002	0.0082	0.3130	0.0003	< 0.0052 U	--	--	0.0105	0.3465	0.0003	0.0049	0.3657	0.0003	< 0.0043 U	--	--
FLUORANTHENE	708	14.16	0.162	3.0624	0.0043	0.0623	1.8822	0.0027	< 0.0053 U	--	--	0.0900	2.4658	0.0035	0.0950	3.6260	0.0051	0.0275	0.9259	0.0013	0.112	3.6964	0.0052	0.0569	4.2463	0.0060	0.0140	1.4478	0.0020
FLUORENE	539	10.78	0.0164	0.3100	0.0006	0.0041 J	0.1239	0.0002	< 0.0053 U	--	--	0.0039 J	0.1068	0.0002	0.0040 J	0.1527	0.0003	< 0.0052 U	--	--	0.0041 J	0.1353	0.0003	0.0025 J	0.1866	0.0003	< 0.0043 U	--	--
INDENO(1,2,3-C,D)PYRENE	1115	22.3	0.0433 J	0.8185	0.0007	0.0180 J	0.5438	0.0005	< 0.0053 U	--	--	0.0280	0.7671	0.0007	0.0311	1.1870	0.0011	0.0092	0.3098	0.0003	0.0419	1.3828	0.0012	0.0209	1.5597	0.0014	0.0054	0.5584	0.0005
NAPHTHALENE	385	7.7	0.0469	0.8866	0.0023	0.0111	0.3353	0.0009	0.0049 J	0.2300	0.0006	< 0.0061 U	--	--	< 0.0057 U	--	--	< 0.0052 U	--	--	< 0.0057 U	--	--	< 0.0046 U	--	--	< 0.0043 U	--	--
PERYLENE	967	19.34	0.0230 J	0.4348	0.0004	0.0073 J	0.2205	0.0002	< 0.0053 U	--	--	0.0119	0.3260	0.0003	0.0127	0.4847	0.0005	0.0044 J	0.1481	0.0002	0.0154	0.5083	0.0005	0.0080	0.5970	0.0006	0.0021 J	0.2172	0.0002
PHENANTHRENE	597	11.94	0.136	2.5709	0.0043	0.0401	1.2115	0.0020	0.0038 J	0.1784	0.0003	0.0472	1.2932	0.0022	0.0491	1.8740	0.0031	0.0141	0.4747	0.0008	0.0535	1.7657	0.0030	0.0266	1.9851	0.0033	0.0072	0.7446	0.0012
PYRENE	698	13.96	0.146	2.7599	0.0040	0.0559	1.6888	0.0024	< 0.0053 U	--	--	0.0764	2.0932	0.0030	0.0803	3.0649	0.0044	0.0235	0.7912	0.0011	0.0940	3.1023	0.0044	0.0482	3.5970	0.0052	0.0125	1.2927	0.0019
TOC	--	--	52900	--	--	33100	--	--	21300	--	--	36500	--	--	26200	--	--	29700	--	--	30300	--	--	13400	--	--	9670	--	--
Total PAH Toxicity Units	--	--	--	--	0.0444	--	--	0.0264	--	--	0.0026	--	--	0.0250	--	--	0.0372	--	--	0.0099	--	--	0.0360	--	--	0.0425	--	--	0.0185

Notes:
PAH - Polycyclic Aromatic Hydrocarbon.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
mg/kg - milligrams per kilogram.
µg/gOC - micrograms per gram of Organic Carbon.
TOC - Total Organic Carbon.
TU - Toxicity unit.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Table 5
PAH Screening Table with Calculated Toxicity Units
November 2013 Event
UTC/Carrier Circle
Carrier-Dewitt Landfill (AOC G)
Thompson Road, Syracuse, New York

Transect	NYSDEC Screening Criteria		Sanders Creek																									
Sample ID			SDS8			SDS8 (Dup)			SDS8			SDS8 (Dup)			SDS8			SDS8 (Dup)			SDS9			SDS9			SDS9		
Sample Date			11/5/2013			11/5/2013			11/5/2013			11/5/2013			11/5/2013			11/5/2013			11/5/2013			11/5/2013			11/5/2013		
Sample Interval (inches)			0 - 6			0 - 6			6 - 12			6 - 12			18 - 24			18 - 24			0 - 6			6 - 12			18 - 24		
Chemical Name	Sediment Guidance Value (µg/gOC)	NYSDEC Sediment CLASS A	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU	mg/kg	µg/gOC	TU
ACENAPHTHENE	491	9.82	0.0123	0.3361	0.0007	0.0106	0.8480	0.0017	< 0.0057 U	--	--	< 0.0056 U	--	--	< 0.0047 U	--	--	< 0.0045 U	--	--	0.0478	2.7006	0.0055	0.0688	2.0476	0.0042	< 0.0047 U	--	--
ACENAPHTHYLENE	452	9.04	0.0240	0.6557	0.0015	0.0248	1.9840	0.0044	0.0140	0.4698	0.0010	0.0136	0.3736	0.0008	0.0056	0.4590	0.0010	0.0203	0.8750	0.0019	0.0941	5.3164	0.0118	0.106	3.1548	0.0070	0.0082	1.2893	0.0029
ANTHRACENE	594	11.88	0.0435	1.1885	0.0020	0.0382	3.0560	0.0051	0.0190	0.6376	0.0011	0.0141	0.3874	0.0007	0.0051	0.4180	0.0007	0.0198	0.8534	0.0014	0.183	10.3390	0.0174	0.233	6.9345	0.0117	0.0079	1.2421	0.0021
BENZO(A)ANTHRACENE	841	16.82	0.132	3.6066	0.0043	0.12	9.6000	0.0114	0.0605	2.0302	0.0024	0.0347	0.9533	0.0011	0.0111	0.9098	0.0011	0.0353	1.5216	0.0018	0.542	30.6215	0.0364	0.738	21.9643	0.0261	0.0183	2.8774	0.0034
BENZO(A)PYRENE	964	19.28	0.15	4.0984	0.0043	0.139	11.1200	0.0115	0.0753	2.5268	0.0026	0.0420	1.1538	0.0012	0.0133	1.0902	0.0011	0.0457	1.9698	0.0020	0.658	37.1751	0.0386	0.89	26.4881	0.0275	0.0224	3.5220	0.0037
BENZO(B)FLUORANTHENE	979	19.58	0.128	3.4973	0.0036	0.119	9.5200	0.0097	0.0693	2.3255	0.0024	0.0361	0.9918	0.0010	0.0112	0.9180	0.0009	0.0388	1.6724	0.0017	0.564	31.8644	0.0325	0.776	23.0952	0.0236	0.0189	2.9717	0.0030
BENZO(G,H,I)PERYLENE	1095	21.9	0.0945	2.5820	0.0024	0.0872	6.9760	0.0064	0.0515	1.7282	0.0016	0.0271	0.7445	0.0007	0.0084	0.6885	0.0006	0.0328	1.4138	0.0013	0.438	24.7458	0.0226	0.58	17.2619	0.0158	0.0141	2.2170	0.0020
BENZO(K)FLUORANTHENE	980	19.6	0.134	3.6612	0.0037	0.124	9.9200	0.0101	0.0706	2.3691	0.0024	0.0377	1.0357	0.0011	0.0122	1.0000	0.0010	0.0408	1.7586	0.0018	0.61	34.4633	0.0352	0.8	23.8095	0.0243	0.0199	3.1289	0.0032
BENZO[E]PYRENE	967	19.34	0.105	2.8689	0.0030	0.0964	7.7120	0.0080	0.0572	1.9195	0.0020	0.0299	0.8214	0.0008	0.0094	0.7705	0.0008	0.0355	1.5302	0.0016	0.463	26.1582	0.0271	0.617	18.3631	0.0190	0.0153	2.4057	0.0025
C1-Benzanthracenes/Chrysenes	930	18.6	0.0569	1.5546	0.0017	0.0534	4.2720	0.0046	0.0291	0.9765	0.0011	0.0195	0.5357	0.0006	0.0073	0.5984	0.0006	0.0255	1.0991	0.0012	0.247	13.9548	0.0150	0.325	9.6726	0.0104	0.0109	1.7138	0.0018
C1-Fluoranthenes/Pyrenes	769	15.38	0.103	2.8142	0.0037	0.0972	7.7760	0.0101	0.0510	1.7114	0.0022	0.0338	0.9286	0.0012	0.0132	1.0820	0.0014	0.0432	1.8621	0.0024	0.397	22.4294	0.0292	0.519	15.4464	0.0201	0.0193	3.0346	0.0039
C1-Fluorenes	611	12.22	0.0054 J	0.1475	0.0002	0.0053	0.4240	0.0007	0.0031 J	0.1040	0.0002	0.0029 J	0.0797	0.0001	< 0.0047 U	--	--	0.0045	0.1940	0.0003	0.0196	1.1073	0.0018	0.0255	0.7589	0.0012	0.0025 J	0.3931	0.0006
C1-Naphthalenes	445	8.9	0.0064	0.1749	0.0004	0.0059	0.4720	0.0011	< 0.0057 U	--	--	< 0.0056 U	--	--	< 0.0047 U	--	--	0.0047	0.2026	0.0005	0.0223	1.2599	0.0028	0.0243	0.7232	0.0016	< 0.0047 U	--	--
C1-Phenanthrenes/Anthracenes	670	13.4	0.0565	1.5437	0.0023	0.0537	4.2960	0.0064	0.0292	0.9799	0.0015	0.0217	0.5962	0.0009	0.0095	0.7787	0.0012	0.0317	1.3664	0.0020	0.232	13.1073	0.0196	0.299	8.8988	0.0133	0.0130	2.0440	0.0031
C2-Benzanthracenes/Chrysenes	1009	20.18	0.0569	1.5546	0.0015	0.0534	4.2720	0.0042	0.0291	0.9765	0.0010	0.0195	0.5357	0.0005	0.0073	0.5984	0.0006	0.0255	1.0991	0.0011	0.247	13.9548	0.0138	0.325	9.6726	0.0096	0.0109	1.7138	0.0017
C2-Fluorenes	687	13.74	0.0089	0.2432	0.0004	0.0079	0.6320	0.0009	0.0047 J	0.1577	0.0002	0.0044 J	0.1209	0.0002	0.0028 J	0.2295	0.0003	0.0065	0.2802	0.0004	0.0278	1.5706	0.0023	0.0347	1.0327	0.0015	0.0032 J	0.5031	0.0007
C2-Naphthalenes	510	10.2	0.0109	0.2978	0.0006	0.0087	0.6960	0.0014	0.0086	0.2886	0.0006	0.0057	0.1566	0.0003	0.0038 J	0.3115	0.0006	0.0078	0.3362	0.0007	0.0300	1.6949	0.0033	0.0357	1.0625	0.0021	0.0044 J	0.6918	0.0014
C2-Phenanthrenes/Anthracenes	745	14.9	0.0273	0.7459	0.0010	0.0247	1.9760	0.0027	0.0145	0.4866	0.0007	0.0123	0.3379	0.0005	0.0058	0.4754	0.0006	0.0182	0.7845	0.0011	0.115	6.4972	0.0087	0.151	4.4940	0.0060	0.0071	1.1164	0.0015
C3-Benzanthracenes/Chrysenes	1213	24.26	0.0126	0.3443	0.0003	0.0133	1.0640	0.0009	0.0073	0.2450	0.0002	< 0.0056 U	--	--	< 0.0047 U	--	--	0.0096	0.4138	0.0003	0.0578	3.2655	0.0027	0.0769	2.2887	0.0019	< 0.0047 U	--	--
C3-Fluorenes	768	15.36	0.0047 J	0.1284	0.0002	0.0044 J	0.3520	0.0005	< 0.0057 U	--	--	0.0031 J	0.0852	0.0001	< 0.0047 U	--	--	0.0045	0.1940	0.0003	0.0183	1.0339	0.0013	0.0223	0.6637	0.0009	< 0.0047 U	--	--
C3-Naphthalenes	581	11.62	0.0096	0.2623	0.0005	0.0091	0.7280	0.0013	0.0080	0.2685	0.0005	0.0051 J	0.1401	0.0002	0.0040 J	0.3279	0.0006	0.0079	0.3405	0.0006	0.0274	1.5480	0.0027	0.0328	0.9762	0.0017	0.0042 J	0.6604	0.0011
C3-Phenanthrenes/Anthracenes	830	16.6	0.0146	0.3989	0.0005	0.0142	1.1360	0.0014	0.0079	0.2651	0.0003	0.0073	0.2005	0.0002	0.0040 J	0.3279	0.0004	0.0134	0.5776	0.0007	0.0619	3.4972	0.0042	0.0750	2.2321	0.0027	0.0044 J	0.6918	0.0008
C4-Benzanthracenes/Chrysenes	1213	24.26	< 0.0057 U	--	--	< 0.0048 U	--	--	< 0.0057 U	--	--	< 0.0056 U	--	--	< 0.0047 U	--	--	< 0.0045 U	--	--	0.0385	2.1751	0.0018	0.0436	1.2976	0.0011	< 0.0047 U	--	--
C4-Naphthalenes	657	13.14	0.0105	0.2869	0.0004	0.0081	0.6480	0.0010	0.0076	0.2550	0.0004	0.0056	0.1538	0.0002	0.0056	0.4590	0.0007	0.0081	0.3491	0.0005	0.0198	1.1186	0.0017	0.0230	0.6845	0.0010	0.0054	0.8491	0.0013
C4-Phenanthrenes/Anthracenes	670	13.4	0.0072	0.1967	0.0003	0.0066	0.5280	0.0008	0.0043 J	0.1443	0.0002	< 0.0056 U	--	--	0.0031 J	0.2541	0.0004	0.0064	0.2759	0.0004	0.0275	1.5537	0.0023	0.0309	0.9196	0.0014	0.0028 J	0.4403	0.0007
CHRYSENE	843	16.86	0.161	4.3989	0.0052	0.149	11.9200	0.0141	0.0834	2.7987	0.0033	0.0449	1.2335	0.0015	0.0146	1.1967	0.0014	0.0491	2.1164	0.0025	0.676	38.1921	0.0453	0.914	27.2024	0.0323	0.0236	3.7107	0.0044
DIBENZ(A,H)ANTHRACENE	1122	22.44	0.0233	0.6366	0.0006	0.0230	1.8400	0.0016	0.0133	0.4463	0.0004	0.0073	0.2005	0.0002	< 0.0047 U	--	--	0.0085	0.3664	0.0003	0.12	6.7797	0.0060	0.153	4.5536	0.0041	0.0040 J	0.6289	0.0006
FLUORANTHENE	708	14.16	0.304	8.3060	0.0117	0.276	22.0800	0.0312	0.151	5.0671	0.0072	0.0779	2.1401	0.0030	0.0253 J	2.0738	0.0029	0.0828 J	3.5690	0.0050	1.24	70.0565	0.0989	1.69	50.2976	0.0710	0.0410	6.4465	0.0091
FLUORENE	539	10.78	0.0121	0.3306	0.0006	0.0101	0.8080	0.0015	0.0054 J	0.1812	0.0003	0.0033 J	0.0907	0.0002	< 0.0047 U	--	--	0.0046	0.1983	0.0004	0.0460	2.5989	0.0048	0.0647	1.9256	0.0036	0.0027 J	0.4245	0.0008
INDENO(1,2,3-C,D)PYRENE	1115	22.3	0.0939	2.5656	0.0023	0.0901	7.2080	0.0065	0.0522	1.7517	0.0016	0.0280	0.7692	0.0007	0.0086	0.7049	0.0006	0.0312	1.3448	0.0012	0.456	25.7627	0.0231	0.595	17.7083	0.0159	0.0137	2.1541	0.0019
NAPHTHALENE	385	7.7	0.01	0.2732	0.0007	0.0089	0.7120	0.0018	< 0.0057 U	--	--	< 0.0056 U	--	--	< 0.0047 U	--	--	0.0067	0.2888	0.0008	0.0287	1.6215	0.0042	0.0321	0.9554	0.0025	< 0.0047 U	--	--
PERYLENE	967	19.34	0.0402	1.0984	0.0011	0.0370	2.9600	0.0031	0.0198	0.6644	0.0007	0.0112	0.3077	0.0003	0.0035 J	0.2869	0.0003	0.0126	0.5431	0.0006	0.173	9.7740	0.0101	0.23	6.8452	0.0071	0.0061	0.9591	0.0010
PHENANTHRENE	597	11.94	0.147	4.0164	0.0067	0.128	10.2400	0.0172	0.0701	2.3523	0.0039	0.0352	0.9670	0.0016	0.0140	1.1475	0.0019	0.0484	2.0862	0.0035	0.625	35.3107	0.0591	0.869	25.8631	0.0433	0.0222	3.4906	0.0058
PYRENE	698	13.96	0.262	7.1585	0.0103	0.238	19.0400	0.0273	0.127	4.2617	0.0061	0.0677	1.8599	0.0027	0.0222 J	1.8197	0.0026	0.0749 J	3.2284	0.0046	1.05	59.3220	0.0850	1.43	42.5595	0.0610	0.0356	5.5975	0.0080
TOC	--	--	36600	--	--	12500	--	--	29800	--	--	36400	--	--	12200	--	--	23200	--	--	17700	--	--	33600	--	--	6360	--	--
Total PAH Toxicity Units	--	--	--	--	0.0784	--	--	0.2104	--	--	0.0479	--	--	0.0226	--	--	0.0245	--	--	0.0449	--	--	0.6770	--	--	0.4762	--	--	0.0731

Notes:
PAH - Polycyclic Aromatic Hydrocarbon.
U or < - Compound was analyzed for, but not detected (i.e., concentration less than method detection limit). Presented with Gray text.
J - Estimated.
mg/kg - milligrams per kilogram.
µg/gOC - micrograms per gram of Organic Carbon.
TOC - Total Organic Carbon.
TU - Toxicity unit.
Black text indicates a detection (i.e., a concentration greater than the method detection limit).

Appendix A

Use of Equilibrium Partitioning Theory to Develop Sediment Guidance Values for Nonpolar Organic Compounds

Appendix A
Use of Equilibrium Partitioning Theory to Develop Sediment Guidance Values for Nonpolar Organic Compounds

The equilibrium partitioning methodology is well-documented in the scientific literature (US EPA, 1991; US EPA SAB, 1992; DiToro et al., 1991). It is based on the principle that nonpolar organic contaminants in sediment will partition between sediment pore water and the organic carbon content of sediment in a constant ratio. That ratio is referred to as the organic carbon partitioning coefficient, or Koc.

The Kow, or *n*-octanol water partitioning coefficient, is a measure of the ratio that describes the partitioning of a nonpolar organic compound between water and octanol. The Kow is a useful surrogate of how nonpolar organic compounds will accumulate in lipid in animal tissue (US EPA 1995). Kows are generally readily available for many common organic compounds, and tend to be similar in value to and vary proportionately with a compound's Koc (Kenaga, 1980; Voice, 1983). US EPA (1991) refers to DiToro (1985) to define the relationship between Kow and Koc as:

$$\text{Log10Koc} = 0.00028 + 0.983 \bullet \text{log10Kow} \qquad (1)$$

US EPA (2002) reported that the concentration-response curve for biological effects can be correlated with the concentration of the contaminant in the interstitial pore water, *not* with the concentration of the contaminant in sediment; and that the effects concentration for a chemical in pore water is essentially equal to that reported for water-only exposures. In other words, the toxicity of a nonpolar organic contaminant to sediment-dwelling organisms *is proportional to* the concentration of the contaminant that is freely dissolved in the sediment pore water. For nonpolar organic chemicals, the concentration-response curves correlate equally well with the sediment chemical concentration that is normalized on a sediment organic carbon basis. The higher the Kow of a nonpolar organic compound, the stronger the contaminant will adsorb to the organic carbon content in the sediment. When more organic carbon is present in sediment, the concentration of a nonpolar organic contaminant freely dissolved in sediment pore water will be smaller, and therefore, proportionally less toxic to aquatic organisms.

An equilibrium partitioning-based SGV is derived by multiplying the AWQS/GV from 6 NYCRR Part 703.5 or TOGS 1.1.1 for a nonpolar organic compound by its Koc, as derived from equation 1:

$$\text{SGVoc} = \text{AWQS/GV } \mu\text{g/L} * \text{Koc} \qquad (2)$$

This results in a SGV in units of microgram (µg) of contaminant per gram of organic carbon in the sediment (SGVoc).

UTC-Carrier used this methodology to develop SGVs for organic chemicals detected at the AOC G landfill wetlands that lacked NYSDEC screening values. For chemicals lacking a NYCRR Part 703.5 or TOGS 1.1.1 AWQS for protection of aquatic life, US EPA Region 3 BTAG Kows and fresh water chronic water quality values were used.

Table A-1: Calculation of NYSDEC Class A Sediment Guidance Values for Nonpolar Organic Compounds

Chemical	Log Kow	Kow Reference	Koc	Chronic Freshwater Guideline (µg/L)	FW Guideline Reference	Class A FW Sed Criteria (µg/gOC)	NYSDEC TOC %	NYSDEC EqP FW Sed (mg/kg)
1,1,1-Trichloroethane	2.48	EPA, 2006.	274.2331802	11	EPA, 2014a. EPA Region III	3.02E+00	2	6.03E-02
1,1-Dichloroethane	1.79	EPA, 2006.	57.52412217	47	NOAA Squirt Table, 2008	2.70E+00	2	5.41E-02
1,2,3-Trichlorobenzene	4.096	NYS DEC	10632.80869	1.1	NYS DEC, 1998 TOGS 1.1.1	1.17E+01	2	2.34E-01
1,2,4-Trichlorobenzene	3.99	NYS DEC	8364.692881	210	NYS DEC, 1998 TOGS 1.1.1	1.76E+03	2	3.51E+01
1,2-Dichloroethene (cis)	1.86	EPA, 2006.	67.40001606	590	NYS DEC, 1998 TOGS 1.1.1	3.98E+01	2	7.95E-01
1,3,5-Trimethylbenzene	3.78	EPA, 2006.	5200.199438	8	NOAA Squirt Table, 2008	4.16E+01	2	8.32E-01
2-Methylnaphthalene	3.86	ATSDR, 2005.	6232.467177	4.7	EPA, 2014a. EPA Region III	2.93E+01	2	5.86E-01
Aroclor 1254	6.72	EPA, 2006.	4036825.718	0.014	NOAA Squirt Table, 2008	5.65E+01	2	1.13E+00
Aroclor 1260	6.91	EPA, 2006.	6205974.689	0.014	NOAA Squirt Table, 2008	8.69E+01	2	1.74E+00
bis(2-ethylhexyl)phthalate	7.6	NYS DEC	29585574.03	0.6	NYS DEC, 1998 TOGS 1.1.1	1.78E+04	2	3.55E+02
Chloroform	1.92	EPA, 2006.	77.20403519	1.8	NOAA Squirt Table, 2008	1.39E-01	2	2.78E-03
Dibenzofuran	4.12	EPA, 2006.	11226.38676	3.7	EPA, 2014a. EPA Region III	4.15E+01	2	8.31E-01
Diethylphthalate	2.5	EPA, 2006.	286.9326703	210	EPA, 2014a. EPA Region III	6.03E+01	2	1.21E+00
Di-n-butylphthalate	4.61	EPA, 2006.	34033.76533	19	EPA, 2014a. EPA Region III	6.47E+02	2	1.29E+01
m,p-Xylenes	3.2	NYS DEC	1399.200656	17	NYS DEC, 1998 TOGS 1.1.1	2.38E+01	2	4.76E-01
PCBs (NYSDEC)	6.14	EPA, 2006.	1086175.494	0.014	NOAA Squirt Table, 2008	1.52E+01	2	3.04E-01
Styrene	2.94	EPA, 2006.	776.7835144	72	EPA, 2014a. EPA Region III	5.59E+01	2	1.12E+00
Trichloroethene (TCE)	2.53	NYS DEC	307.0930586	290	NYS DEC, 1998 TOGS 1.1.1	8.91E+01	2	1.78E+00
Vinyl chloride	1.5	EPA, 2006.	29.838707	930	EPA, 2014a. EPA Region III	2.77E+01	2	5.55E-01
Xylene (total)	3.2	NYS DEC	1399.200656	17	NYS DEC, 1998 TOGS 1.1.1	2.38E+01	2	4.76E-01

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Appendix B

Data Usability Summary Reports

Due to the size of the Data Usability Summary Reports, they have been provided on the enclosed CD.