ENVIRONMENTAL MANAGEMENT PLAN
937 Genesee Street
Rochester, New York

Prepared for:
City of Rochester, New York
Division of Environmental Quality

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1.0 INTRODUCTION AND BACKGROUND

This Environmental Management Plan (EMP) has been prepared on behalf of the City of Rochester (the City) and is the final element of an environmental remediation program undertaken to address petroleum contamination at the site located at 937 Genesee Street in the City of Rochester, Monroe County, New York (the Site; see Location Map, Figure 1).

The site had a history of use as a dry cleaner and auto repair garage; such sites are suspect in terms of potential releases of petroleum products or chlorinated compounds. Multiple phases of environmental investigation were performed at the Site. These investigations identified petroleum-related impacts to soil and groundwater. In addition, surface and shallow soils included typical urban fill materials, which contain heavy metals. Due to the presence of petroleum contamination identified in soil and groundwater, the New York State Department of Environmental Conservation (NYSDEC) assigned Spill File No. 1206397 to the property. The City subsequently received a Brownfield Cleanup Grant (Agreement No. BF-96290614-0) from the United States Environmental Protection Agency (USEPA), and a remedial project was undertaken to address the identified impacts. The remedial program was jointly funded by the USEPA and the City.

The primary objective of the corrective action program was to remove petroleum-contaminated source-area soils to the extent necessary to satisfy NYSDEC's soil cleanup objectives (SCOs) as contained in Part 375 regulations (specifically for Restricted Residential Site use) and the NYSDEC Commissioner's Policy CP-51. In addition, the remedial program was designed to achieve closure of the NYSDEC Spill File for the Site and facilitate future sale and redevelopment of the property. The remedial actions were completed in October 2016 (with post-remediation groundwater monitoring through July 2017) in accordance with a NYSDEC- and USEPA-approved Corrective Action Plan (CAP).

The remedial program implemented to address petroleum contamination at the Site was successful in removing the majority of the petroleum contamination and contaminant mass (likely more than 95% mass reduction). This is evidenced by: 1) the majority of post-excavation soil samples being either non-detect or showing constituents of concern only at levels below NYSDEC's soil cleanup objectives; and 2) three rounds of post-source removal groundwater monitoring showing very positive results. The last two rounds of samples did not exhibit VOCs or SVOCs in excess of groundwater standards or guidance values.

Although there was some minor residual petroleum contamination observed in a limited number of soil confirmatory samples, and some other remaining fill soils contain typical urban fill-related compounds, the remediation accomplished the primary remedial objectives.

This EMP addresses the presence of residual petroleum compounds in subsurface soil and metals presence in urban fill materials. Section 4 provides a description of the locations where impacts remain.

Given the presence of residual contamination in the subsurface that could potentially be encountered during future excavation or other soil-disturbing activities, this EMP describes appropriate health and safety considerations, field screening procedures, and materials-handling/disposal procedures to be used. This EMP includes the following:

- A brief summary of site historical use, and environmental investigations performed.
- A description of Site subsurface conditions and the nature and extent of petroleum impacts identified.
- A description of the remedial program performed to address the petroleum impacts.
- Data summary tables which present historic and current contaminant levels in soil and groundwater.
- A site plan which identifies the known locations of residual soil contamination as well as groundwater monitoring well locations.
- A description of the type of monitoring that should be performed in the event future Site work occurs that involves excavation or other work that might disturb or expose soil or groundwater.
- A description of the sampling of impacted media that should be performed if contamination is encountered.
- A description of the procedures that should be followed to assure proper handling and disposal or treatment of contaminated material if it is encountered in the future.
- A list of the parties to be notified and their respective responsibilities if residual contamination is encountered in the future.
- A list of the government officials and agencies and other parties to whom copies of this EMP will be distributed.
- A description of applicable engineering and institutional controls applicable to the Site.

2.0 SITE LOCATION AND DESCRIPTION

The Site, which is owned by the City (Monroe County Tax ID No. 135.34-2-36; address 937 Genesee Street, Rochester, New York 14611) is located in a densely-developed area of mixed commercial and residential usage. The Site is a currently-vacant, rectangular parcel approximately 0.25 acres in size, that is generally level and covered primarily with crushed stone. The Site is bounded on the east by a sidewalk and Genesee Street (wooden bollards currently block vehicle access from the street), on the South by a three-story building containing apartments and commercial space, on the west by residential properties and on the north by a commercial building and associated parking lot.

There are currently no utilities servicing the Site.

3.0 SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIVITIES

3.1 ENVIRONMENTAL INVESTIGATIONS

A Phase I Environmental Site Assessment (ESA) was performed in 2002 for the Site by Stantec as part of a larger area of investigation involving several parcels. The ESA revealed the following historical information:

- The 941 Genesee Street parcel was an auto repair garage during the time frame from approximately 1917 through 1942. Permit records indicated a 550-gallon gasoline tank and associated pump were present from 1938 through 1941; these were listed as having been removed in 1943.
- 941 Genesee Street was also the site of a dry cleaner from 1947 through 2003, and dry cleaning Site use appeared to continue until the 2009 demolition of the building on the Site by the City. Sanborn™ fire insurance rating maps from 1950 and 1971 showed a dry cleaning building with a pressing section, a cleaning section, and a boiler room. A City permit for a 250-gallon solvent tank at the Site was maintained from 1947 through 1961.

Stantec performed Phase II Investigations for the City in 2003 on the adjoining property to the north, 923-927 Genesee Street (see Figure 2). Those investigations identified low-level impacts in shallow fill soils containing apparent ash and cinder materials, but impact to groundwater or deeper soils along the common property boundary was not identified, suggesting that contaminants had not migrated off-site toward the north.

A fire damaged the building located on the Site, and the City performed emergency demolition of the building in 2009. City staff involved with the demolition of the building observed a 55-gallon drum that was buried in the floor at the rear (western end) of the building that was filled with stone and had no sealed bottom. This feature was suspected to have been a dry well. The demolition included filling in the basement located beneath the front (east end) of the structure with imported fill soils to match existing grade. The building's floor slab and most of the foundation wall and footings were left in place at that time.

The City obtained legal access to the Site in March 2011 and ultimately took possession of the property through foreclosure. Stantec performed initial and supplemental Phase II ESA investigations in 2011 and 2012, respectively on behalf of the City to evaluate soil and groundwater conditions on the Site and further evaluate the potential for off-site impacts. The following is a summary of the combined primary findings of these investigations:

- 19 test borings were performed and 10 groundwater monitoring wells were installed (nine overburden wells and one bedrock well).
- An approximate three-foot diameter manhole was identified in the western portion of the building floor slab. The manhole was found to have a solid bottom and did not appear to have an outlet; however sampling of the contents of the manhole identified volatile organic compounds (VOCs) at concentrations above NYSDEC's Part 375 Unrestricted Use SCOs . Soil and groundwater sampling locations nearest the manhole and the former suspected drywell revealed the most significant impacts on the Site. This western area was identified as Remedial Area of Concern (RAOC) 1 (See Figure 2).

- A second area of impact was identified on the eastern side of the Site centered on boring/well B-14/MW-14. The VOC contamination identified in this area may have resulted from releases associated with the sewer that serviced the Site, the former gasoline tank and pump, or the former 250-gallon solvent tank. This eastern area was identified as RAOC 2 (See Figure 2).
- The impacts identified in RAOCs 1 and 2 were primarily from petroleum constituents typical of diesel fuel, kerosene, lubricating oil, and/or mineral spirits or Stoddard solvent (a known dry-cleaning agent). No chlorinated VOCs were identified at the Site.
- Overburden groundwater depths range from approximately 8 to 10 feet below ground surface. The hydraulic gradient of the water table is relatively low, and flow has been generally toward the east-northeast. The investigations performed did not indicate that contamination is migrating offsite.
- A shallow, variable layer of fill soil containing apparent ash and cinder materials was encountered across most of the Site. This shallow fill material was designated in the Phase II ESA reports as RAOC 3. Analysis of the material indicated that semivolatile organic compound (SVOC) and heavy metal concentrations, although above NYSDEC's UUSCOs or Restricted Residential SCOs (RRSCOs), were consistent with concentrations typically observed in urban fill.

Tables summarizing historical analytical results from the initial and supplemental Phase II ESAs are included in Appendix A.

Based on the Phase II ESA findings. NYSDEC opened Spill File No.1206397 in 2012. As a result of the findings of these investigations and the City's desire to return the Site to productive use, a Brownfield Cleanup Grant was applied for, and awarded by the USEPA to the City for the remediation of soil and groundwater impacts at the Site.

3.2 REMEDIAL ACTIVITIES COMPLETED

Remedial actions were performed during the period June to October 2016 by TREC Environmental Inc. of Spencerport, New York under the observation of Stantec and the City. The remediation was performed in accordance with a Corrective Action Plan (CAP) approved by the NYSDEC and USEPA. The primary elements of the program included:

- Demolition and removal of remaining building elements (most foundation walls and floor slabs) to the extent practicable;
- Closure via removal of a Stoddard solvent underground storage tank (UST) and a gasoline UST;
- Excavation and offsite disposal of impacted soils from RAOC 1, RAOC 2, and the Stoddard tank and central excavation areas;
- Backfill with clean imported soil;
- Confirmatory soil sampling in excavations;

- Placement of a soil amendment (Oxygen Release Compound-Advanced - ORC-A®, manufactured by Regenesis) in excavations to facilitate *in situ* bioremediation of residual impacts; and
- Post-remediation groundwater monitoring.

A summary of remedial actions performed is presented below. A more detailed description of the remedial actions is presented in Stantec's report titled *Remedial Construction/Closure Report, Petroleum-Impacted Soil and Groundwater, 937-941 Genesee Street, Rochester, NY,* dated June 2017.

Additional Demolition

Prior to excavating the impacted soils in RAOC 1 and RAOC 2, the remaining concrete floor slabs, most of the remaining foundation walls and structures and asphalt were excavated and removed.

Concrete foundation walls were excavated and removed from the former building footprint. A cinder block wall separated the central building slab from the former basement area to the east, which was backfilled by the City in 2009. The wall extended to approximately 8 feet bgs. The cinder block wall and foundation walls were excavated only to within approximately 12 feet of the adjacent building to the south to minimize the potential for structural damage, per the recommendations of Stantec's structural engineer. Approximately 12 feet of buried cinder block wall and approximately 13 feet of buried poured concrete wall remain in place and extend to the north and west, respectively, from the adjacent building to the south of the Site as shown on Figure 3.

During the foundation wall removal work, an "orphan" Stoddard solvent underground storage tank was discovered in the north-central portion of the Site.

Soil Excavation and Disposal

The actual excavation limits of RAOCs 1 and 2 were similar in dimension to those that had been estimated based on the Phase II ESA results. An orphan gasoline tank was also removed from RAOC-2. In addition to RAOCs 1 and 2, two supplementary excavations were performed at the Site. One was for the orphan Stoddard solvent tank mentioned above. The second was an area of shallow impacts identified in the south-central portion of the Site (referred to as the "Central Excavation") where elevated photoionization detector (PID) readings were observed in shallow soil after removal of a stockpile of impacted material.

A total of 845 tons of petroleum-impacted soil was removed and disposed of offsite at a permitted disposal facility. Figure 3 depicts the limits of each excavation. The limits of the excavations were generally determined by establishing a "clean" sidewall through PID response and confirmatory sampling. In some instances, excavations were limited by the property line or proximity to the adjacent structure; however, even in these instances confirmatory sampling showed that contaminant levels were below applicable SCOs, with three exceptions (see Figure 3 for confirmatory sample locations and Tables 1 through 4 for a summary of contaminant levels in confirmatory soil samples):

- A sample from the east sidewall of RAOC 2 at a depth of 13 ft. contained xylenes at levels slightly above the SCO. This excavation was limited at that location by the Genesee Street right-of-way and sidewalk;
- A sample from a depth of 3 ft. in the north sidewall of the Central Excavation contained one SVOC at a concentration slightly above the SCO; and
- A sample collected from a thin seam of impacted soil at a depth of 13 ft in the east sidewall of the Stoddard Tank excavation contained several SVOCs above SCOs.

In-situ Groundwater Treatment and Monitoring

At the time of excavation, groundwater levels in the excavations were either below the base of the excavation, or at/near the top of bedrock, thus little to no groundwater accumulation occurred and groundwater management was not required.

Given that seasonal groundwater levels fluctuate, and in accordance with the CAP, in-situ groundwater remediation was performed to facilitate further reduction of contaminant levels. This was accomplished by using ORC-A® in dry form; the material was spread evenly in each excavation before backfill soils were placed. Approximately 275 lbs and 440 lbs of ORC-A® were placed in RAOC 1 and RAOC 2, respectively.

At the time of completion of excavation of RAOC-2, a minor amount of apparent petroleum product was observed seeping out of the eastern sidewall. Since excavation could not proceed further due to the presence of the sidewalk and the Genesee Street right-of-way, a large-diameter product recovery well was installed at the location of the seep; however to date no product has accumulated in the well.

Groundwater Monitoring

Three rounds of post-excavation groundwater monitoring was performed via sampling and analysis events in October 2016, January 2017 and July 2017. Three wells, MW-101, MW-102 and MW-12 were sampled in each event. Although minor detections of petroleum-related compounds were observed in some wells in each event, the results (see Table 5) did not indicate contaminant presence in groundwater at levels above NYSDEC groundwater standards.

4.0 SUMMARY OF CURRENT SITE CONDITIONS

At the time this EMP was developed, the site was vacant and undeveloped, with no structures present. The ground surface is gravel-covered.

4.1 REMAINING CONTAMINATION

Soil: A total of 27 confirmatory soil samples were taken in the four excavation areas; however only 3 samples exhibited contaminant presence at levels above the RR or CP-51 SCOs. Based on these analytical results the following locations are known to contain limited contaminant presence in soil (see Figure 3 and Tables 1 through 4):

- *Stoddard Tank Excavation:* One confirmatory sample from the eastern sidewall at a depth of 10 ft bgs (sample 937-tank-EWALL-S), contained several SVOCs at concentrations above SCOs. No other exceedances were observed.
- *RAOC 1:* No exceedances of SCOs were reported in any of the RAOC 1 confirmatory samples; however, some residual soil impacts remained below 6.5 ft. bgs on the south sidewall (as reflected by VOC and SVOC TIC detections), where the excavation was limited due to the close proximity to the property line.
- *RAOC 2:* As noted above, the eastern extent of the excavation was bound by the Genesee Street ROW and associated sidewalk. A sample collected from 6 ft bgs along the eastern wall did not exhibit SCO exceedances; however a sample collected from 13 ft bgs (sample 937-RAOC2-East-S2), just above bedrock showed exceedances of CP-51 SCOs for the VOCs m & p-xylene and total xylenes.

  During the excavation activities, a small petroleum product seep was observed along the base of the east sidewall, where a minor amount of brownish oil seeped out of the weathered bedrock in the sidewall and into the pit. A product recovery well was installed in this location, however product has not been observed in this well since it was installed.
- *Central Excavation:* A slight exceedance of the part 375 Restricted Residential and CP-51 SCOs for the SVOC Indeno(1,2,3-cd)pyrene was reported in the north sidewall sample (937 Central-North) taken at a depth of 3 ft. bgs.
- *Surface Soils:* Based on results of surface or shallow samples taken during the Phase II ESAs, some surface soils may contain urban fill which may contain heavy metals such as lead and mercury at levels in excess of applicable SCOs (see Appendix A, table A-1).

Groundwater: Detections of petroleum-related compounds only in the low-part-per-billion range were observed in some wells in post-remedial groundwater monitoring (see Table 5); the results did not indicate contaminant presence at concentrations above groundwater standards.

5.0 CONSIDERATIONS FOR SUBSURFACE WORK AND CHANGES IN SITE USE

As discussed above, residual petroleum contamination is known to remain at the Site at limited locations. Other limited occurrence of residual impacts not previously identified or encountered may also exist. Future activities involving excavation or any soil disturbance in the areas of residual soil contamination or the Genesee Street right-of-way immediately adjacent on the east side, must be conducted in accordance with the considerations and requirements of this EMP.

Note also that use of groundwater within City limits for potable purposes is prohibited by the City Code.

Site development must take into consideration the known residual contamination and the observed concentrations in comparison to allowable concentrations for the proposed site usage (i.e. Restricted-Residential or Restricted-Commercial Use).

The measures described herein are designed to:

- Prevent ingestion/direct contact with contaminants in soil;
- Prevent ingestion of groundwater with contaminant levels that exceed drinking water standards;
- Prevent the discharge of contaminants to surface water; and
- Prevent migration of contaminants that would result in off-site groundwater or surface water contamination.

If contaminated soil is encountered as part of an excavation program or other subsurface work, it cannot be replaced or reused on the Site, or allowed to run off the Site via stormwater flow unless it meets NYSDEC soil cleanup objectives and reuse criteria, and/or NYSDEC permission for reuse is obtained. The materials must be properly characterized, managed and disposed of off-site at a NYSDEC-permitted disposal facility.

The scheduling, duration and cost of activities that involve subsurface disturbance or excavation may be affected by soil or groundwater management and waste characterization issues. Scheduling of work will need to allow for management of potentially-contaminated material encountered during the course of the work. Should unanticipated materials or conditions be observed during subsurface work, sampling may be required. Sampling will entail laboratory analysis, which typically takes from a few days to weeks to be completed. Therefore, construction schedules and design plans should allow for adequate flexibility for sampling, segregation, and temporary stockpiling of unanticipated materials on-site. Construction schedules should also provide both contingency time and measures to address variability in subsurface conditions and the presence of groundwater. For example, if contaminated material or hazardous substances are encountered, additional safety measures and use of personal protective equipment (PPE) may be required. Excavation dewatering and work stoppage could also affect construction schedules and costs. Measures designed to address these situations are described in further detail below.

As with all underground excavation work, the parties performing invasive subsurface work are responsible for the safe performance of the work, the integrity and safety of excavations, and for protection of structures that may be affected by excavations (such as underground or

aboveground utility lines, sidewalks or road surfaces and building foundations). Prior to commencement of any intrusive work, the presence of utilities and easements on the site should be ascertained via a Dig Safely NY stakeout, review of utility drawings, and interviews with knowledgeable facility staff, etc. to determine if they are likely to be encountered so that appropriate plans can be developed.

6.0 MANAGEMENT OF IMPACTED MATERIAL

6.1 NOTIFICATION

With the exception of emergency activities, written notification to NYSDEC is required at least 10 days prior to the start of activities which are anticipated to potentially encounter residual contamination. Currently this notification will be made to:

Mr. Michael Zamiarski, P.E.
NYSDEC, Bureau of Spill Prevention and Response
6274 E. Avon-Lima Road
Avon, NY 14414
585-226-2466
(Direct line 585-226-5438)

The notification should include the following information:

- A description of the work to be performed, including the location and areal extent;
- A summary of environmental conditions anticipated in the work areas and plans for any pre-construction sampling;
- A schedule for the work, detailing the start and completion of all intrusive work;
- A statement that the work will be performed in compliance with this EMP;
- A copy of the health and safety plan to be used by Site workers (in electronic format);
- Identification of disposal facilities for potential waste streams; and
- Identification of sources of backfill to be imported to the Site, if applicable.

In the event that ground intrusive activities are required to address an emergency or time-sensitive matter such as the emergency repair of a utility required to allow continued on-site operations, notice shall be given as soon as practicable but no later than 24 hours after the emergency activity.

6.2 SAMPLING

Sampling of excavated soil or subsurface materials or groundwater removed during subsurface work should be considered if unusual odors or visual observations such as stained soils, sheens or the presence of apparent petroleum or other product are identified in soil or groundwater, or if tanks, containers, or unknown piping are encountered.

In these situations, sampling frequency and analyses would depend on the types, conditions and quantities of material encountered and the anticipated re-use, re-cycling or disposal of the removed materials. The associated chemical analysis of samples obtained must adequately characterize materials in light of current NYSDEC 6 NYCRR Part 375 or Commissioner's Policy CP-51 Recommended SCOs, and/or permitted disposal or wastewater treatment facility requirements, depending on the intended destination of waste materials.

Waste disposal analyses for petroleum-contaminated soil or water, or urban fill materials typically include some or all of the following:

- Total volatile organic compounds (VOCs) and polynuclear aromatic hydrocarbons (PAHs, a sub-class of SVOCs);
- Toxicity Characteristic Leaching Procedure (TCLP) VOCs;
- TCLP Metals;
- pH, Ignitability, and reactivity.

Depending on the nature of potential contaminants encountered and/or the intended disposal facility, the following additional waste disposal analyses may also be required:

- TCLP Metals;
- TCLP SVOCs;
- TCLP Pesticides and Herbicides;
- Polychlorinated Biphenyls (PCBs); and
- Reactivity.

Based on extensive sampling results obtained during previous investigations and the USEPA-funded remediation, it is anticipated that potential waste streams generated during future activities will qualify as non-hazardous solid or liquid waste.

6.3 MONITORING DURING EXCAVATION

Monitoring of soil and fill materials that are excavated and groundwater pumped during construction should be performed for three reasons:

- to protect the health and safety of project site workers during construction;
- to determine that the material encountered during construction is consistent with the material encountered during previous investigations; and
- to facilitate characterization of the non-hazardous or hazardous nature of material encountered in the event that no previous investigation results are available for a specific area.

6.3.1 Health and Safety Monitoring

Past investigations have shown that non-hazardous contaminated soil and groundwater are present on the Site. General groups of compounds subject to health and safety planning include primarily VOCs, SVOCs (typically polycyclic aromatic hydrocarbons, or PAHs) and Heavy Metals (primarily lead and mercury in one sample).

Previous investigations show that while overall the potential for worker chemical exposure exists, it is relatively low. However, Site personnel involved in construction and excavation activities should employ safety measures in accordance with applicable OSHA regulations, and should also consider other construction-related hazards such as heavy equipment, weather conditions, confined space entry, and excavation safety. It may be appropriate or even required that workers be trained for Hazardous Waste Operations (HAZWOPER).

Site conditions may warrant preparation and implementation of a Community Air Monitoring Plan (CAMP). To minimize potential exposure to neighboring residents or others in the

community from airborne vapors or particulates (dust) that may be generated during excavation activities.

6.3.2 Soil and Groundwater Monitoring

Soil and groundwater monitoring should generally consist of documentation of visible characteristics of the soil, fill and groundwater encountered, including staining, sheens, odors, or other indicators of contamination such as oils, tars or containers. It is recommended that construction monitoring by a trained individual such as an environmental engineer, scientist, or geologist be performed during all excavation and groundwater work regardless of where the invasive work is done. In addition, instruments capable of monitoring for the presence of volatile organic compounds and particulates are readily available and can be rented from several sources. Monitoring should include use of the following instrumentation:

- VOCs: Photoionization detector (PID) such as a MiniRae 3000 or equivalent.
- Particulates: Aerosol monitor such as a TSI DustTrak II or equivalent.

These instruments should be operated by individuals trained and experienced in their use, limitations and capability for data generation. Readings generated from monitoring instruments should be recorded in the field along with visual observations. As long as excavation monitoring shows soil, fill, and groundwater material to be uncontaminated, then the material should be manageable as determined prior to construction. If conditions are different from those anticipated, then sampling and additional characterization may be necessary.

6.4 MANAGEMENT OF IMPACTED MATERIAL

At this time, there is no preferred method for the management of soil/fill excavated during construction activities. In general, it is recommended that non-hazardous soil or fill excavated during excavation, foundation work, utility trenching work and other earth-moving activities (including, if needed, remedial measures), either be reused on-site, if permitted, in accordance with regulations and covered with either clean soil or an impervious surface, or be transported off-Site to a properly-licensed and permitted facility. While unlikely based on past environmental studies and remediation performed, if hazardous wastes are encountered, they cannot be reused on-site and will need to be disposed properly at an approved, off-Site facility. The presence of staining and petroleum odors in soil is also a condition that exceeds the NYSDEC criteria for nuisance characteristics allowing reuse of excavated contaminated soil on-site.

If groundwater is pumped at the Site, approval would be required for wastewater disposal to the sanitary sewer from Monroe County Department of Environmental Services (MCDES). If approval for discharge to the wastewater treatment plant sewer system is not obtained, disposal at an appropriately-licensed off-site treatment facility would be required.

6.4.1 On-Site Re-Use Of Excavated Materials

Non-impacted (uncontaminated) materials that will be re-used on-Site will need to be segregated on the basis of field screening. If field screening indicates the potential presence of contamination, additional construction sampling and analyses are

recommended. If construction sampling is performed, the analysis results will be compared to applicable SCOs for the intended use of the Site. If concentrations are below applicable SCOs, the soil can be reused on-Site provided that petroleum-related nuisance characteristics are not evident.

If disposal of soil/fill from this site is proposed for unregulated off-site disposal (i.e. clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC.

Staging and stockpiling management of materials should be conducted as described in the sections below.

6.4.2 Off-Site Disposal of Excavated Materials

Management of solid waste materials that will be disposed off-site will need to include characterization (sampling and laboratory analysis as required by the chosen disposal facility), management and handling, and off-site transportation and disposal at an approved landfill.

Appropriate measures for management of excavated materials must be employed. This should be either pre-characterization and pre-approval for landfill disposal, such that the material can be direct loaded onto permitted trucks for transport, or temporary stockpiling of excavated soils and solids pending disposal characterization and approval. Stockpiling must include measures to prevent soils from contaminating other materials or migrating off-site. Measures that should be incorporated into onsite soil management include:

- Stockpile locations away from storm sewers, downwind property boundaries, and drainage courses.
- Use dust suppression techniques, as necessary.
- Placement of stockpiles of contaminated soils, fill or hazardous materials (e.g. drums, containers, odiferous fill) on minimum 6-mil reinforced polyethylene (poly) with perimeter berms.
- Covering stockpiles of contaminated soils, fill, or hazardous materials (e.g. drums, containers, odiferous fill) with weighted-down poly sheeting at the end of each day of placement to prevent migration by wind-blown dust or stormwater runoff until final placement and final cover is established.

If the contaminant concentrations are elevated above applicable SCOs or if nuisance characteristics are noted, the results shall be shared with the NYSDEC and the materials disposed of off-site at an appropriate disposal facility. All impacted material or solid waste excavated and removed from the site will be treated as contaminated and regulated solid waste and will be transported and disposed in accordance with all local, State (including 6NYCRR Part 360) and Federal regulations.

Non-hazardous historic fill and contaminated soils taken off-site will be handled, at minimum, as a Solid Waste pursuant to 6NYCRR Part 360-1.2. Material that does not meet the lower of the SCOs for residential use or groundwater protection will not be taken to a New York State

recycling facility (6NYCRR Part 360-16 Registration Facility) without a beneficial use determination issued by NYSDEC.

Transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded. If loads contain wet material capable of producing free liquid, truck liners will be used. Egress points for truck and equipment transport from the site will be kept clean of dirt and other materials. Locations where vehicles enter or exit the site shall be inspected daily for evidence of off-site soil tracking.

6.4.3 Off-Site Disposal of Impacted Water

Management of water will include characterization (sampling and laboratory analysis as required by MCDES or off-site treatment or disposal facility), management, and disposal. In order to obtain approval from MCDES for discharge of potentially-impacted groundwater to the sewer system or directly to a treatment plant, analyses may be required. If disposal to the MCDES sewer system is not approved, transport to and disposal at another appropriate, permitted disposal facility would be required.

Appropriate measures for management of water will need to include temporary containerization and measures to prevent water from contaminating other materials or migrating off-site. Measures that should be incorporated into such plans include:

- Containerize water prior to pumping or transport off-site.
- Stage containers away from downwind property boundaries and drainage sources.
- Pump water directly into containers.
- Perform necessary sampling prior to disposal.
- Coordinate with the MCDES or alternate facility to receive a temporary discharge permit for disposal.

7.0 INSTITUTIONAL CONTROLS

The City of Rochester has established a procedure for instituting an Institutional Control which consists of "flagging" the tax account numbers of properties that require special environmental reviews due to the known presence of residual soil and/or groundwater contamination. Upon approval of this EMP by NYSDEC, the City will "flag" the Site parcel (by address and Tax ID number) in the City's Building Information System (BIS). This flag indicates the Site is subject to a special environmental review by the City's Division of Environmental Quality (DEQ) prior to issuance of any permits related to Site development. DEQ staff will review the permit application for consistency with requirements of this EMP, limited-use areas and land-use restrictions. A notification may be forwarded by DEQ to the NYSDEC at the time the permit is reviewed, if warranted, depending on the scope of the proposed work and other Site-specific factors.

8.0 ENGINEERING CONTROLS

The potential need for Engineering Controls (ECs) as part of the future Site redevelopment should be evaluated in the context of remaining contamination, as detailed in this EMP or as characterized by actions or sampling during Site disturbance. These ECs may include, but are not limited to measures to mitigate the potential for vapor intrusion of contaminant compounds into current or future buildings. This might include a vapor barrier or sub-slab depressurization system incorporated into building design, or clean soil cover over areas of surface or shallow impacted soil not intended to be covered by pavement, concrete or structures.

Appendix B contains excerpts from guidance by the New York State Department of Health (NYSDOH) and the United States Environmental Protection Agency (USEPA) that provide generalized design elements of sub-slab vapor mitigation systems typically used to mitigate vapor intrusion.

In the event that engineering controls are deemed necessary, NYSDEC and/or NYSDOH (see contacts in Section 9 below) should be consulted for review and approval of proposed controls.

9.0 CONTACT INFORMATION

The following is a list of entities who can be contacted regarding environmentally-related issues at the Site:

- **City of Rochester**
  Division of Environmental Quality
  30 Church Street, Room 300-B
  Rochester, New York 14614
  585-428-6649
  Joseph Biondolillo, Associate Environmental Specialist

- **NYSDEC Region 8**
  6274 Avon-Lime Road
  Avon, New York 14414
  585-226-2466
  Mike Zamiarski, P.E.

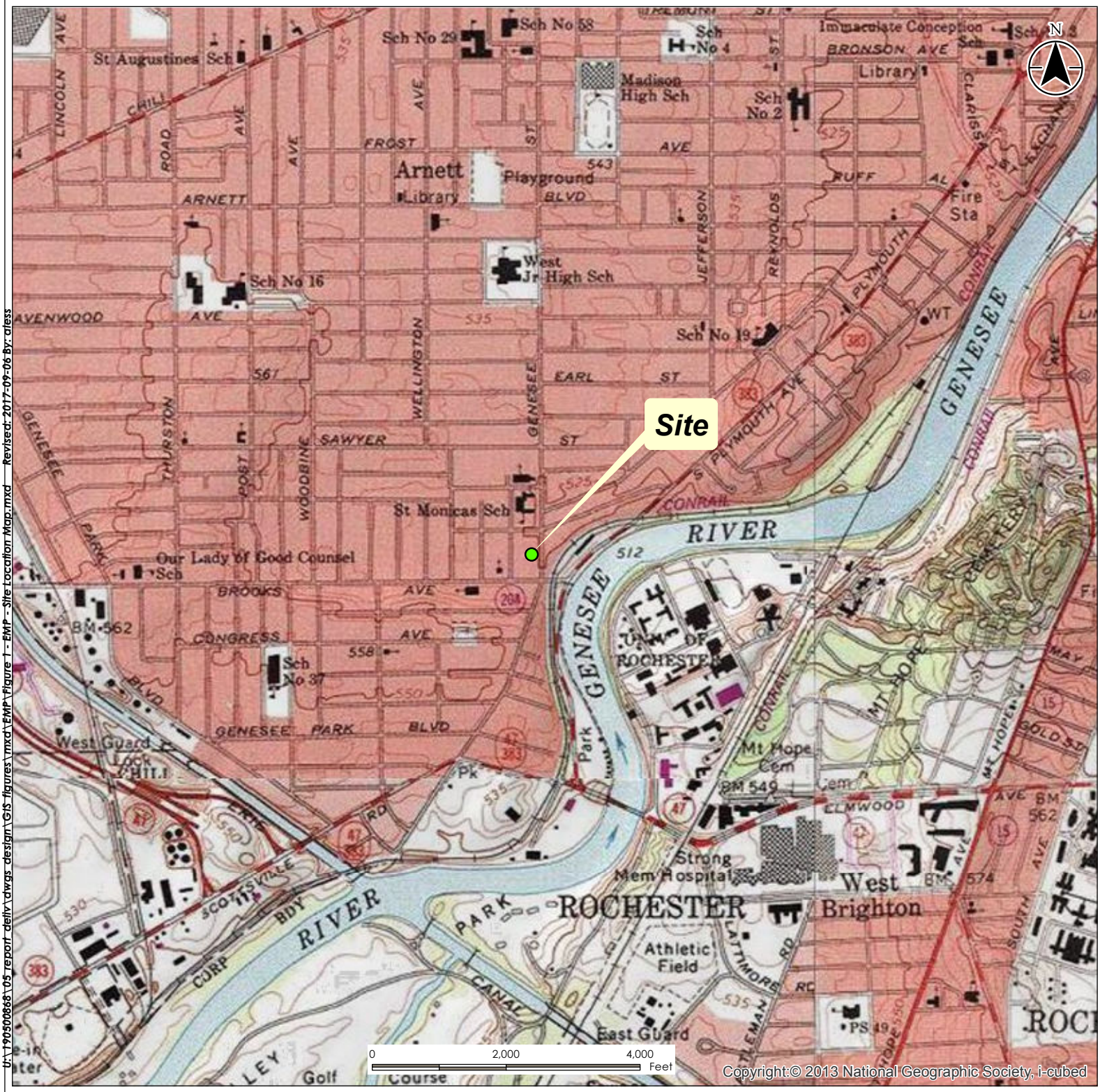
- **NYSDEC Spills Hotline**
  800-457-7362

- **Monroe County Department of Public Health**
  111 Westfall Road
  Room 952
  Rochester, New York 14620
  585-753-2991

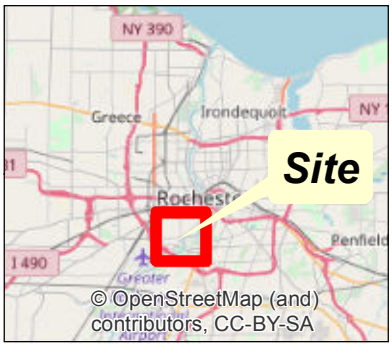
- **New York State Department of Health**
  Corning Tower
  Empire State Plaza
  Albany, New York 12237

- **Stantec Consulting Services Inc.**
  61 Commercial Street, Suite 100
  Rochester, NY 14614
  585-475-1440
  Mike Storonsky

FIGURES



Stantec



Project Location:
937-941 Genesee Street
Monroe County
Rochester, NY

Prepared by APL on 2017-09-06
Technical Review by RJM on 2017-09-06
Independent Review by MPS on 2017-09-06

190500868

Client/Project
City of Rochester
Environmental Management Plan
937-941 Genesee Street

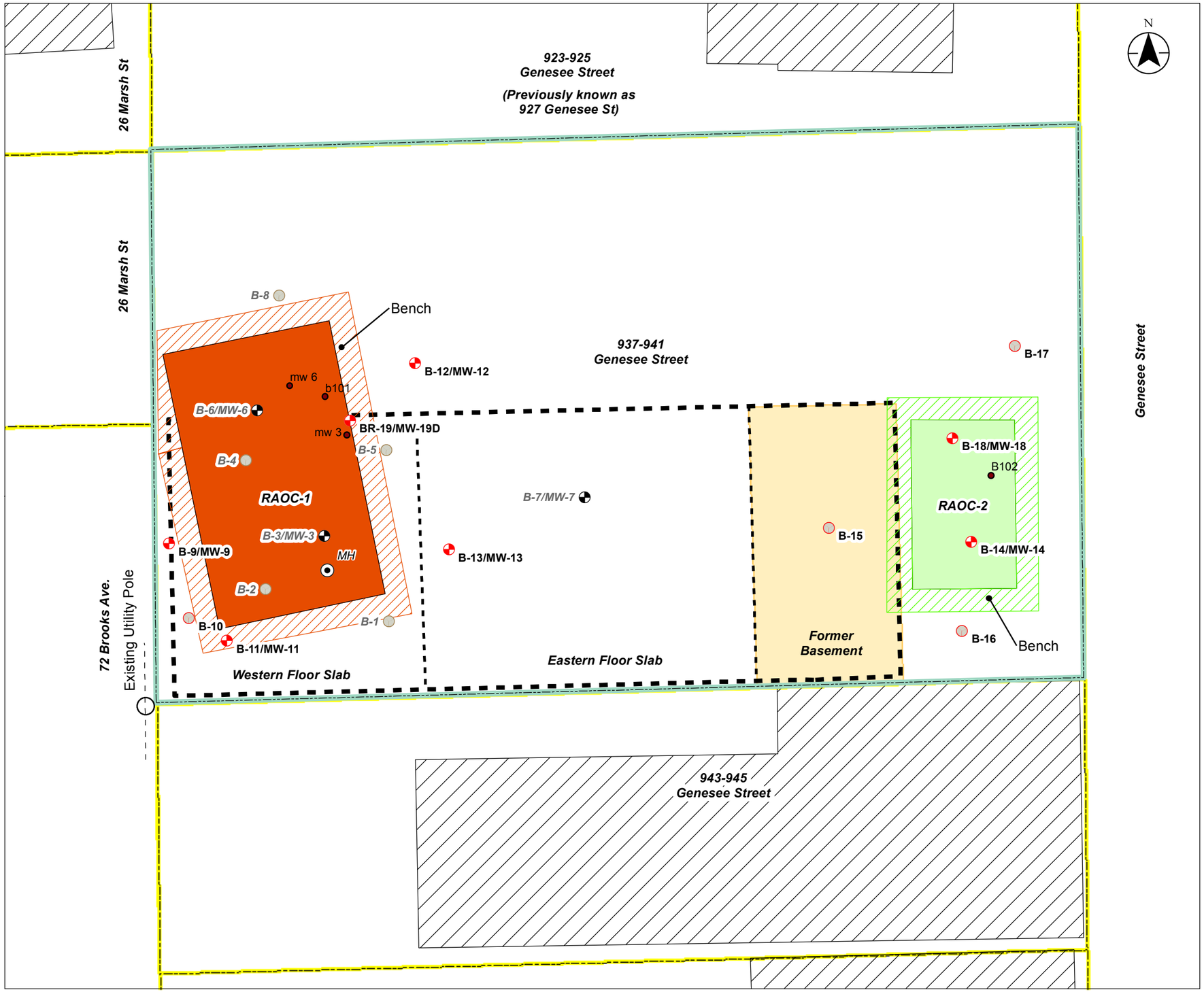
Figure No.
1

Title
Site Location Map

Notes

1. Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere

2. Source: USGS Map Rochester West Quad



Stantec

Legend

- Site Boundary
- Former Building Footprint
- Former Basement
- Parcel Boundary
- Existing Buildings
- Phase II ESA Borings / Well
- Supplemental Phase II ESA Borings/Well
- Supplemental Soil Test Boring

Notes

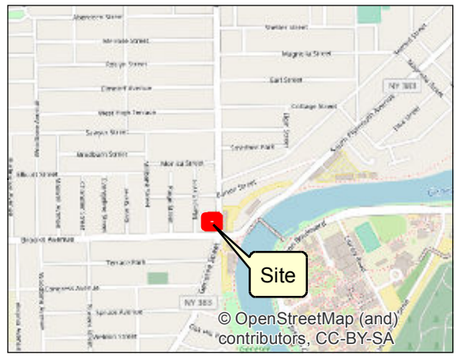
1. Coordinate System:
NAD 1983 StatePlane New York West FIPS 3103 Feet

2. RAOC = Remedial Area of Concern.

3. 3. Locations of remedial features are approximate.

0 15 30 Feet

1:180 (At original document size of 11x17)



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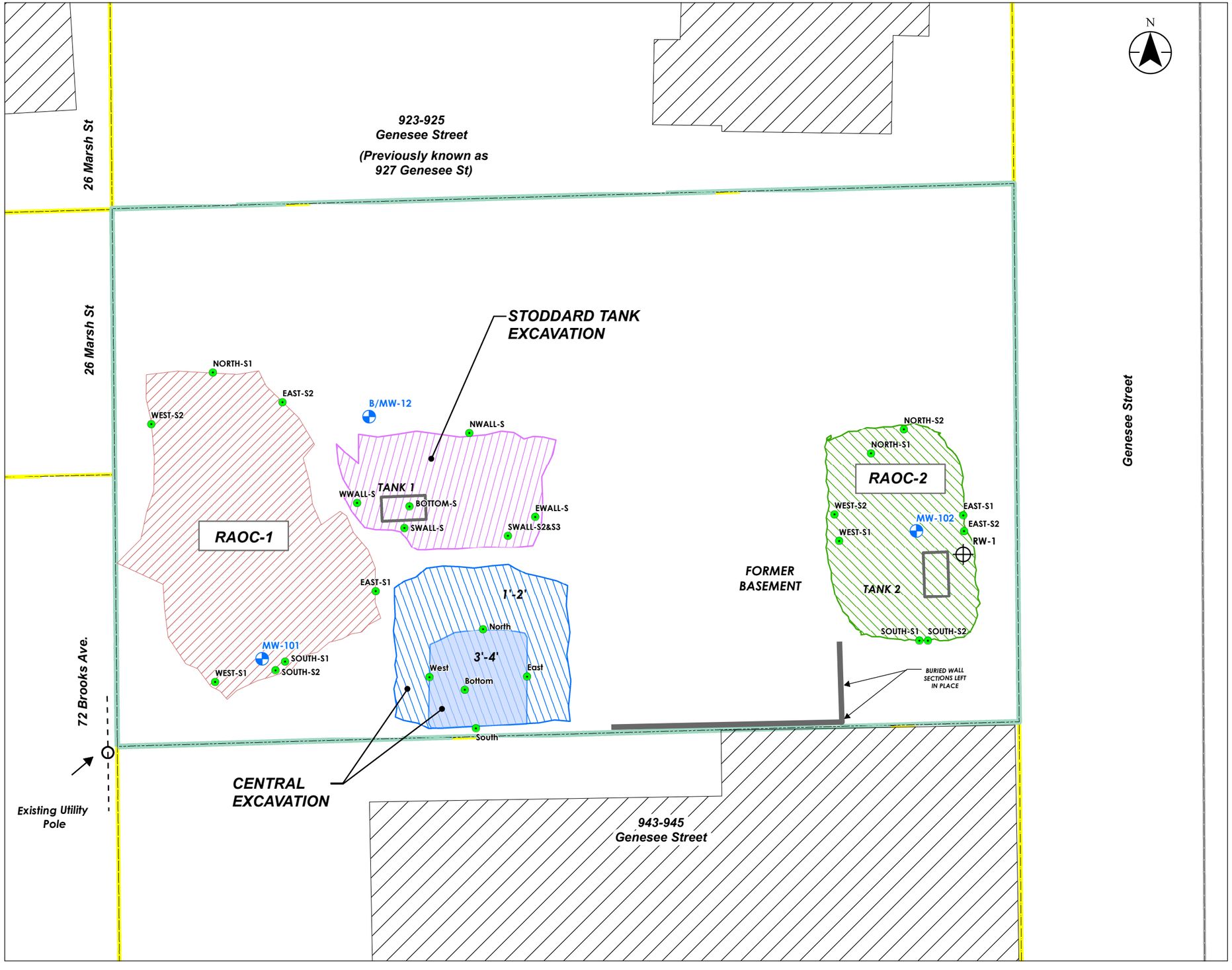
190500868

Client/Project
City of Rochester
Environmental Management Plan
937-941 Genesee Street

Figure No.
2

Title
Investigation Plan with RAOCs

U:\190500868\05_report_deliv\dwgs_design\GIS_figures\mxd\EMP\Figure 2 - EMP - Investigation Plan with RAOCs.mxd Revised: 2017-09-06 By: aless



Stantec

Legend

- Site Boundary
- Adjacent Property Boundaries
- Adjacent Existing Building
- RAOC-1
- RAOC-2
- Stoddard Tank Excavation
- Central Excavation Limits (3'-4' depth)
- Central Excavation Limits (1'-2' depth)
- Approx. Location "Orphan" Tanks (Removed)
- Excavation Confirmatory Sample Locations
- Monitoring Wells
- Temporary 12" Recovery Well
- Foundation Walls Remain

Notes

1. Coordinate System:
NAD 1983 StatePlane New York West FIPS 3103 Feet

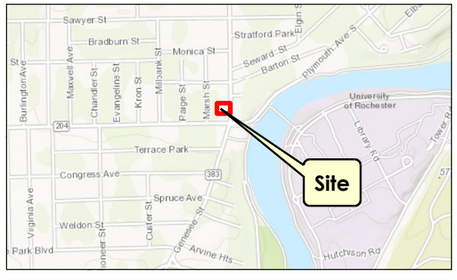
2. Remediation completed during the period June-October, 2016.

3. RAOC = Former Remedial Area of Concern.

4. Locations of remedial features are approximate.

0 15 30 Feet

1:180 (At original document size of 11x17)



Project Location
937-941 Genesee Street
Monroe County
City of Rochester, NY

Prepared by APL on 2017-09-06
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190500868

Client/Project
City of Rochester
Environmental Management Plan
937-941 Genesee Street

Figure No.
3

Title
Remedial Excavations and Sampling Locations

TABLES

Table 1
Summary of Analytical Results in Soil
Stoddard Tank Excavation Confirmatory Samples

Sample Location				937-TANK-BOTTOM	937-TANK-EWALL		937-TANK-NWALL	937-TANK-SWALL				937-TANK-WWALL
Sample Date				10-Jun-16	21-Jun-16	21-Jun-16	21-Jun-16	10-Jun-16	21-Jun-16	21-Jun-16	21-Jun-16	10-Jun-16
Sample ID				937-TANK-BOTTOM-S	937-TANK-EWALL-S	937-TANK-EWALL-S	937-TANK-NWALL-S	937-TANK-SWALL-S	937-TANK-SWALL-S3	937-TANK-SWALL-S2	937-TANK-FD-S	937-TANK-WWALL-S
Sample Depth				9.5 ft	10 ft	10 ft	10 ft	7 ft	8 ft	10.5 ft	10.5 ft	7.5 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM
Laboratory Work Order				R0522	R0568	R0679	R0568	R0522	R0568	R0568	R0568	R0522
Laboratory Sample ID		NYSDEC	NYSDEC	R0522-01	R0568-04	R0679-01	R0568-01	R0522-03	R0568-03	R0568-02	R0568-05	R0522-02
Sample Type	Units	Part 375	CP-51								Field Duplicate	
General Chemistry												
Moisture Content	%	n/v	n/v	15	15	15	16	14	12	14	14	13
Petroleum Hydrocarbons												
Total Extractable Hydrocarbons	mg/kg	n/v	n/v	-	-	9.5 J-	-	-	-	-	-	-
Semi-Volatile Organic Compounds												
Acenaphthene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 20,000[C]	20,000[E]	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Acenaphthylene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	100,000[E]	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Acetophenone	µg/kg	100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Anthracene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	100,000[E]	390 U	94 J	-	380 U	390 U	360 U	370 U	380 U	370 U
Atrazine	µg/kg	100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Benzaldehyde	µg/kg	100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Benzo(a)anthracene	µg/kg	5,600[A] 1,000$_g$[B] 1,000$_n$[C]	1,000[E]	390 U	**1,800[BCE]**	-	380 U	390 U	360 U	130 J	380 U	370 U
Benzo(a)pyrene	µg/kg	1,000$_g$[A] 1,000$_n$[C]	1,000[E]	390 U	**1,900[ABCE]**	-	380 U	390 U	360 U	96 J	380 U	370 U
Benzo(b)fluoranthene	µg/kg	5,600[A] 1,000$_g$[B] 1,000$_n$[C]	1,000[E]	390 U	**2,200[BCE]**	-	380 U	390 U	360 U	120 J	380 U	370 U
Benzo(g,h,i)perylene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000[C]	100,000[E]	390 U	1,500	-	380 U	390 U	360 U	370 U	380 U	370 U
Benzo(k)fluoranthene	µg/kg	56,000[A] 3,900[B] 800$_n$[C]	800[E]	390 U	**990[CE]**	-	380 U	390 U	360 U	370 U	380 U	370 U
Biphenyl, 1,1'- (Biphenyl)	µg/kg	100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Bis(2-Chloroethoxy)methane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Bis(2-Chloroethyl)ether	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Bromophenyl Phenyl Ether, 4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Butyl Benzyl Phthalate	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	91 J	380 U	370 U
Carbazole	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Chloro-3-methyl phenol, 4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Chloroaniline, 4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Chloronaphthalene, 2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Chlorophenyl Phenyl Ether, 4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Chrysene	µg/kg	56,000[A] 3,900[B] 1,000$_n$[C]	1,000[E]	390 U	**2,200[CE]**	-	380 U	390 U	360 U	120 J	380 U	370 U
Cresol, o- (Methylphenol, 2-)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 330$_m$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Dibenzo(a,h)anthracene	µg/kg	560[A] 330$_f$[B] 330$_m$[C]	330[E]	390 U	**410[BCE]**	-	380 U	390 U	360 U	370 U	380 U	370 U
Dibenzofuran	µg/kg	350,000[A] 59,000[B] 7,000[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Dibutyl Phthalate (DBP)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Dichlorobenzidine, 3,3'-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Dichlorophenol, 2,4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Diethyl Phthalate	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Dimethyl Phthalate	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Dimethylphenol, 2,4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Dinitro-o-cresol, 4,6-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	790 U	760 U	-	780 U	780 U	740 U	750 U	770 U	750 U
Dinitrophenol, 2,4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	790 U	760 U	-	780 U	780 U	740 U	750 U	770 U	750 U
Dinitrotoluene, 2,4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Dinitrotoluene, 2,6-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Di-n-Octyl phthalate	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Fluoranthene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	100,000[E]	390 U	1,900	-	380 U	390 U	360 U	210 J	380 U	370 U
Fluorene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 30,000[C]	30,000[E]	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Hexachlorobenzene	µg/kg	6,000[A] 1,200[B] 330$_m$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Hexachlorocyclopentadiene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Hexachloroethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Indeno(1,2,3-cd)pyrene	µg/kg	5,600[A] 500$_g$[B] 500$_n$[C]	500[E]	390 U	**1,400[BCE]**	-	380 U	390 U	360 U	370 U	380 U	370 U
Isophorone	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Methylnaphthalene, 2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Naphthalene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 12,000[C]	12,000[DE]	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Nitroaniline, 2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	790 U	760 U	-	780 U	780 U	740 U	750 U	770 U	750 U
Nitroaniline, 3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	790 U	760 U	-	780 U	780 U	740 U	750 U	770 U	750 U
Nitroaniline, 4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	790 U	760 U	-	780 U	780 U	740 U	750 U	770 U	750 U
Nitrobenzene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Nitrophenol, 2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Nitrophenol, 4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	790 U	760 U	-	780 U	780 U	740 U	750 U	770 U	750 U
N-Nitrosodi-n-Propylamine	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
n-Nitrosodiphenylamine	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Pentachlorophenol	µg/kg	6,700[AB] 800$_m$[C]	n/v	790 U	760 U	-	780 U	780 U	740 U	750 U	770 U	750 U
Phenanthrene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000[C]	100,000[E]	390 U	260 J	-	380 U	390 U	360 U	77 J	380 U	370 U
Phenol	µg/kg	500,000$_c$[A] 100,000$_b$[B] 330$_m$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Pyrene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000[C]	100,000[E]	390 U	2,900	-	380 U	390 U	360 U	170 J	380 U	370 U
Tetrachlorobenzene, 1,2,4,5-	µg/kg	100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Tetrachlorophenol, 2,3,4,6-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Trichlorophenol, 2,4,5-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	790 U	760 U	-	780 U	780 U	740 U	750 U	770 U	750 U
Trichlorophenol, 2,4,6-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Caprolactam	µg/kg	100,000$_b$[B] 100,000$_a$[C]	n/v	390 U	380 U	-	380 U	390 U	360 U	370 U	380 U	370 U
Total SVOC	µg/kg	n/v	n/v	ND	17,554	-	ND	ND	ND	1,014	ND	ND
SVOC - Tentatively Identified Compounds												
Total SVOC TICs	µg/kg	n/v	n/v	2,730	18,280 J	-	6,110 J	1,640	5,980 J	3,970 J	16,070 J	2,400

See notes on last page.

Table 1
Summary of Analytical Results in Soil
Stoddard Tank Excavation Confirmatory Samples

Sample Location				937-TANK-BOTTOM	937-TANK-EWALL		937-TANK-NWALL	937-TANK-SWALL				937-TANK-WWALL
Sample Date				10-Jun-16	21-Jun-16	21-Jun-16	21-Jun-16	10-Jun-16	21-Jun-16	21-Jun-16	21-Jun-16	10-Jun-16
Sample ID				937-TANK-BOTTOM-S	937-TANK-EWALL-S	937-TANK-EWALL-S	937-TANK-NWALL-S	937-TANK-SWALL-S	937-TANK-SWALL-S3	937-TANK-SWALL-S2	937-TANK-FD-S	937-TANK-WWALL-S
Sample Depth				9.5 ft	10 ft	10 ft	10 ft	7 ft	8 ft	10.5 ft	10.5 ft	7.5 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM
Laboratory Work Order				R0522	R0568	R0679	R0568	R0522	R0568	R0568	R0568	R0522
Laboratory Sample ID		NYSDEC	NYSDEC	R0522-01	R0568-04	R0679-01	R0568-01	R0522-03	R0568-03	R0568-02	R0568-05	R0522-02
Sample Type	Units	Part 375	CP-51								Field Duplicate	
Volatile Organic Compounds												
Acetone	µg/kg	500,000$_c$[A] 100,000$_b$[B] 50[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Benzene	µg/kg	44,000[A] 4,800[B] 60[C]	60[DE]	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Bromodichloromethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Bromoform (Tribromomethane)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Bromomethane (Methyl bromide)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Carbon Disulfide	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	22,000[A] 2,400[B] 760[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Chlorobenzene (Monochlorobenzene)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 1,100[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Chlorobromomethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Chloroethane (Ethyl Chloride)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Chloroform (Trichloromethane)	µg/kg	350,000[A] 49,000[B] 370[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Chloromethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Cyclohexane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dibromochloromethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dichlorobenzene, 1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 1,100[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dichlorobenzene, 1,3-	µg/kg	280,000[A] 49,000[B] 2,400[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dichlorobenzene, 1,4-	µg/kg	130,000[A] 13,000[B] 1,800[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dichlorodifluoromethane (Freon 12)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dichloroethane, 1,1-	µg/kg	240,000[A] 26,000[B] 270[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dichloroethane, 1,2-	µg/kg	30,000[A] 3,100[B] 20$_m$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dichloroethene, 1,1-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 330[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dichloroethene, cis-1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 250[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dichloroethene, trans-1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 190[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dichloropropane, 1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dichloropropene, cis-1,3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dichloropropene, trans-1,3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Dioxane, 1,4-	µg/kg	130,000[A] 13,000[B] 100$_m$[C]	n/v	R	R	-	R	R	R	R	R	R
Ethylbenzene	µg/kg	390,000[A] 41,000[B] 1,000[C]	1,000[DE]	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Isopropylbenzene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	2,300[DE]	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Methyl Acetate	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 120[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Methyl tert-butyl ether (MTBE)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 930[C]	930[D]	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Methylcyclohexane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Methylene Chloride (Dichloromethane)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 50[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Styrene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Tetrachloroethane, 1,1,2,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Tetrachloroethene (PCE)	µg/kg	150,000[A] 19,000[B] 1,300[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Toluene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 700[C]	700[DE]	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Trichlorobenzene, 1,2,3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Trichlorobenzene, 1,2,4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Trichloroethane, 1,1,1-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 680[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Trichloroethane, 1,1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Trichloroethene (TCE)	µg/kg	200,000[A] 21,000[B] 470[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Trichlorofluoromethane (Freon 11)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Trichlorotrifluoroethane (Freon 113)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Vinyl chloride	µg/kg	13,000[A] 900[B] 20[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Xylene, m & p-	µg/kg	500,000$_{c,p}$[A] 100,000$_{b,p}$[B] 260$_p$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Xylene, o-	µg/kg	500,000$_{c,p}$[A] 100,000$_{b,p}$[B] 260$_p$[C]	n/v	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Xylenes, Total	µg/kg	500,000$_c$[A] 100,000$_b$[B] 260[C]	260[DE]	5.8 U	5.8 U	-	5.8 U	5.8 U	5.6 U	5.8 U	5.8 U	5.7 U
Total VOC	µg/kg	n/v	n/v	ND	ND	-	ND	ND	ND	ND	ND	ND

Notes:

NYSDEC-Part 375	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Commercial
B	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Restricted Residential
C	NYSDEC 6 NYCRR Part 375 - Unrestricted Use Soil Cleanup Objectives
NYSDEC CP-51	New York State Department of Environmental Conservation, DEC Policy CP-51, October 21, 2010
D	Table 2 Soil Cleanup Levels for Gasoline Contaminated Soils
E	Table 3 Soil Cleanup Levels for Fuel Oil Contaminated Soil
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
a	The SCOs for unrestricted use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3
b	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
c	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See TSD Section 9.3.
f	For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value.
g	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
m	For constituents where the calculated SCO was lower than the Contract Required Quantitation Limit (CRQL), the CRQL is used as the Track 1 SCO value.
n	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.
p	The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
J	The reported result is an estimated value.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	The data are unusable. The analyte may or may not be present.
SPECTRUM	Spectrum Analytical

Table 2
Summary of Analytical Results in Soil
RAOC 1 Confirmatory Samples

Sample Location				937-RAOC1-EAST			937-RAOC1-NORTH	937-RAOC1-SOUTH		937-RAOC1-WEST	
Sample Date				14-Jun-16	14-Jun-16	15-Jun-16	15-Jun-16	13-Jun-16	13-Jun-16	13-Jun-16	15-Jun-16
Sample ID				937-RAOC1-EAST-S1	937-RAOC1-FD-S1	937-RAOC1-EAST-S2	937-RAOC1-NORTH-S1	937-RAOC1-SOUTH-S1	937-RAOC1-SOUTH-S2	937-RAOC1-WEST-S1	937-RAOC1-WEST-S2
Sample Depth				8 ft	8 ft	9.5 ft	11 ft	6.5 ft	9 ft	9 ft	11 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM
Laboratory Work Order				R0533	R0533	R0541	R0541	R0533	R0533	R0533	R0541
Laboratory Sample ID		NYSDEC	NYSDEC	R0533-04	R0533-05	R0541-02	R0541-01	R0533-02	R0533-03	R0533-01	R0541-03
Sample Type	Units	Part 375	CP-51		Field Duplicate						
General Chemistry											
Moisture Content	%	n/v	n/v	14	4.1 J	12	17	12	11	7.7 J	9.8 J
Petroleum Hydrocarbons											
TPH - Diesel	mg/kg	n/v	n/v	5.1 J	4.0 J	3.1 J	4.1 J	4.0 J	320	5.5 J	4.6 J
TPH - Gasoline	mg/kg	n/v	n/v	4.6 U	4.5 U	4.5 U	5.0 U	4.9 U	51.6 D	4.5 U	4.6 U
Semi-Volatile Organic Compounds											
Acenaphthene	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $20{,}000$[C]	$20{,}000$[E]	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Acenaphthylene	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	$100{,}000$[E]	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Acetophenone	µg/kg	$100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	78 J	350 U	350 U
Anthracene	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	$100{,}000$[E]	380 U	340 U	360 U	390 U	360 U	100 J	350 U	350 U
Atrazine	µg/kg	$100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Benzaldehyde	µg/kg	$100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Benzo(a)anthracene	µg/kg	$5{,}600$[A] $1{,}000_g$[B] $1{,}000_n$[C]	$1{,}000$[E]	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Benzo(a)pyrene	µg/kg	$1{,}000_g$[A] $1{,}000_n$[C]	$1{,}000$[E]	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Benzo(b)fluoranthene	µg/kg	$5{,}600$[A] $1{,}000_g$[B] $1{,}000_n$[C]	$1{,}000$[E]	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Benzo(g,h,i)perylene	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000$[C]	$100{,}000$[E]	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Benzo(k)fluoranthene	µg/kg	$56{,}000$[A] $3{,}900$[B] 800_n[C]	800[E]	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Biphenyl, 1,1'- (Biphenyl)	µg/kg	$100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	220 J	350 U	350 U
Bis(2-Chloroethoxy)methane	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Bis(2-Chloroethyl)ether	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Bromophenyl Phenyl Ether, 4-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Butyl Benzyl Phthalate	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Carbazole	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Chloro-3-methyl phenol, 4-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Chloroaniline, 4-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Chloronaphthalene, 2-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Chlorophenyl Phenyl Ether, 4-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Chrysene	µg/kg	$56{,}000$[A] $3{,}900$[B] $1{,}000_n$[C]	$1{,}000$[E]	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Cresol, o- (Methylphenol, 2-)	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] 330_m[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Dibenzo(a,h)anthracene	µg/kg	560[A] 330_i[B] 330_m[C]	330[E]	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Dibenzofuran	µg/kg	$350{,}000$[A] $59{,}000$[B] $7{,}000$[C]	n/v	380 U	340 U	360 U	390 U	360 U	190 J	350 U	350 U
Dibutyl Phthalate (DBP)	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Dichlorobenzidine, 3,3'-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Dichlorophenol, 2,4-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Diethyl Phthalate	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Dimethyl Phthalate	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Dimethylphenol, 2,4-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Dinitro-o-cresol, 4,6-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	780 U	680 U	740 U	790 U	740 U	730 U	710 U	720 U
Dinitrophenol, 2,4-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	780 U	680 U	740 U	790 U	740 U	730 U	710 U	720 U
Dinitrotoluene, 2,4-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Dinitrotoluene, 2,6-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Di-n-Octyl phthalate	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Fluoranthene	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	$100{,}000$[E]	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Fluorene	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $30{,}000$[C]	$30{,}000$[E]	380 U	340 U	360 U	390 U	360 U	370	350 U	350 U
Hexachlorobenzene	µg/kg	$6{,}000$[A] $1{,}200$[B] 330_m[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Hexachlorocyclopentadiene	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Hexachloroethane	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Indeno(1,2,3-cd)pyrene	µg/kg	$5{,}600$[A] 500_g[B] 500_n[C]	500[E]	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Isophorone	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Methylnaphthalene, 2-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	850	350 U	350 U
Naphthalene	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $12{,}000$[C]	$12{,}000$[DE]	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Nitroaniline, 2-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	780 U	680 U	740 U	790 U	740 U	730 U	710 U	720 U
Nitroaniline, 3-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	780 U	680 U	740 U	790 U	740 U	730 U	710 U	720 U
Nitroaniline, 4-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	780 U	680 U	740 U	790 U	740 U	730 U	710 U	720 U
Nitrobenzene	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Nitrophenol, 2-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Nitrophenol, 4-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	780 U	680 U	740 U	790 U	740 U	730 U	710 U	720 U
N-Nitrosodi-n-Propylamine	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
n-Nitrosodiphenylamine	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Pentachlorophenol	µg/kg	$6{,}700$[AB] 800_m[C]	n/v	780 U	680 U	740 U	790 U	740 U	730 U	710 U	720 U
Phenanthrene	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000$[C]	$100{,}000$[E]	380 U	340 U	360 U	390 U	360 U	830	350 U	350 U
Phenol	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] 330_m[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Pyrene	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000$[C]	$100{,}000$[E]	380 U	340 U	360 U	390 U	360 U	79 J	350 U	350 U
Tetrachlorobenzene, 1,2,4,5-	µg/kg	$100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Tetrachlorophenol, 2,3,4,6-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Trichlorophenol, 2,4,5-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	780 U	680 U	740 U	790 U	740 U	730 U	710 U	720 U
Trichlorophenol, 2,4,6-	µg/kg	$500{,}000_c$[A] $100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Caprolactam	µg/kg	$100{,}000_b$[B] $100{,}000_a$[C]	n/v	380 U	340 U	360 U	390 U	360 U	360 U	350 U	350 U
Total SVOC	µg/kg	n/v	n/v	ND	ND	ND	ND	ND	2,717	ND	ND
SVOC - Tentatively Identified Compounds											
Total SVOC TICs	µg/kg	n/v	n/v	6,420 J	4,240 J	4,390	5,560	8,050	77,700	7,680	4,322

See notes on last page.

Table 2
Summary of Analytical Results in Soil
RAOC 1 Confirmatory Samples

Sample Location				937-RAOC1-EAST			937-RAOC1-NORTH	937-RAOC1-SOUTH		937-RAOC1-WEST	
Sample Date				14-Jun-16	14-Jun-16	15-Jun-16	15-Jun-16	13-Jun-16	13-Jun-16	13-Jun-16	15-Jun-16
Sample ID				937-RAOC1-EAST-S1	937-RAOC1-FD-S1	937-RAOC1-EAST-S2	937-RAOC1-NORTH-S1	937-RAOC1-SOUTH-S1	937-RAOC1-SOUTH-S2	937-RAOC1-WEST-S1	937-RAOC1-WEST-S2
Sample Depth				8 ft	8 ft	9.5 ft	11 ft	6.5 ft	9 ft	9 ft	11 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM
Laboratory Work Order				R0533	R0533	R0541	R0541	R0533	R0533	R0533	R0541
Laboratory Sample ID		NYSDEC	NYSDEC	R0533-04	R0533-05	R0541-02	R0541-01	R0533-02	R0533-03	R0533-01	R0541-03
Sample Type	Units	Part 375	CP-51		Field Duplicate						
Volatile Organic Compounds											
Acetone	µg/kg	500,000$_c$[A] 100,000$_b$[B] 50[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Benzene	µg/kg	44,000[A] 4,800[B] 60[C]	60[DE]	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Bromodichloromethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Bromoform (Tribromomethane)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Bromomethane (Methyl bromide)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Carbon Disulfide	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	22,000[A] 2,400[B] 760[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Chlorobenzene (Monochlorobenzene)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 1,100[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Chlorobromomethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Chloroethane (Ethyl Chloride)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Chloroform (Trichloromethane)	µg/kg	350,000[A] 49,000[B] 370[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Chloromethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Cyclohexane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dibromochloromethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dichlorobenzene, 1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 1,100[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dichlorobenzene, 1,3-	µg/kg	280,000[A] 49,000[B] 2,400[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dichlorobenzene, 1,4-	µg/kg	130,000[A] 13,000[B] 1,800[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dichlorodifluoromethane (Freon 12)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dichloroethane, 1,1-	µg/kg	240,000[A] 26,000[B] 270[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dichloroethane, 1,2-	µg/kg	30,000[A] 3,100[B] 20$_m$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dichloroethene, 1,1-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 330[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dichloroethene, cis-1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 250[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dichloroethene, trans-1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 190[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dichloropropane, 1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dichloropropene, cis-1,3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dichloropropene, trans-1,3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Dioxane, 1,4-	µg/kg	130,000[A] 13,000[B] 100$_m$[C]	n/v	R	R	R	R	R	R	R	R
Ethylbenzene	µg/kg	390,000[A] 41,000[B] 1,000[C]	1,000[DE]	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Isopropylbenzene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	2,300[DE]	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Methyl Acetate	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 120[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Methyl tert-butyl ether (MTBE)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 930[C]	930[D]	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Methylcyclohexane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Methylene Chloride (Dichloromethane)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 50[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Styrene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Tetrachloroethane, 1,1,2,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Tetrachloroethene (PCE)	µg/kg	150,000[A] 19,000[B] 1,300[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Toluene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 700[C]	700[DE]	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Trichlorobenzene, 1,2,3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Trichlorobenzene, 1,2,4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Trichloroethane, 1,1,1-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 680[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Trichloroethane, 1,1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Trichloroethene (TCE)	µg/kg	200,000[A] 21,000[B] 470[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Trichlorofluoromethane (Freon 11)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Trichlorotrifluoroethane (Freon 113)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Vinyl chloride	µg/kg	13,000[A] 900[B] 20[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Xylene, m & p-	µg/kg	500,000$_{c,p}$[A] 100,000$_{b,p}$[B] 260$_p$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Xylene, o-	µg/kg	500,000$_{c,p}$[A] 100,000$_{b,p}$[B] 260$_p$[C]	n/v	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Xylenes, Total	µg/kg	500,000$_c$[A] 100,000$_b$[B] 260[C]	260[DE]	5.8 U	5.0 U	5.5 U	5.9 U	5.6 U	5.5 U	5.3 U	5.5 U
Total VOC	µg/kg	n/v	n/v	ND	ND	ND	ND	ND	ND	ND	ND
VOC - Tentatively Identified Compounds											
Total VOC TICs	µg/kg	n/v	n/v	-	121.4 J	-	-	-	1,320	191.4	-

Notes:

NYSDEC-Part 375	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
[A]	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Commercial
[B]	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Restricted Residential
[C]	NYSDEC 6 NYCRR Part 375 - Unrestricted Use Soil Cleanup Objectives
NYSDEC CP-51	New York State Department of Environmental Conservation, DEC Policy CP-51, October 21, 2010
[D]	Table 2 Soil Cleanup Levels for Gasoline Contaminated Soils
[E]	Table 3 Soil Cleanup Levels for Fuel Oil Contaminated Soil
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
a	The SCOs for unrestricted use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3
b	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
c	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See TSD Section 9.3.
f	For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value.
g	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
m	For constituents where the calculated SCO was lower than the Contract Required Quantitation Limit (CRQL), the CRQL is used as the Track 1 SCO value.
n	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.
p	The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
D	Result was obtained from the analysis of a dilution
J	The reported result is an estimated value.
L	Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	The data are unusable. The analyte may or may not be present.
SPECTRUM	Spectrum Analytical

Table 3
Summary of Analytical Results in Soil
RAOC 2 - Confirmatory Samples

Sample Location				937-RAOC2-EAST		937-RAOC2-NORTH		937-RAOC2-SOUTH		937-RAOC2-WEST	
Sample Date				16-Jun-16	16-Jun-16	16-Jun-16	17-Jun-16	16-Jun-16	16-Jun-16	16-Jun-16	17-Jun-16
Sample ID				937-RAOC2-EAST-S1	937-RAOC2-EAST-S2	937-RAOC2-NORTH-S1	937-RAOC2-NORTH-S2	937-RAOC2-SOUTH-S1	937-RAOC2-SOUTH-S2	937-RAOC2-WEST-S1	937-RAOC2-WEST-S2
Sample Depth				6 ft	13 ft	6 ft	11 ft	9 ft	11.5 ft	9 ft	10 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM
Laboratory Work Order		NYSDEC	NYSDEC	R0549	R0549	R0549	R0557	R0549	R0549	R0549	R0557
Laboratory Sample ID	Units	Part 375	CP-51	R0549-02	R0549-03	R0549-01	R0557-02	R0549-04	R0549-05	R0549-06	R0557-01
General Chemistry											
Moisture Content	%	n/v	n/v	14	8.7 J	10	13	16	8.4 J	19	15
Petroleum Hydrocarbons											
TPH - Diesel	mg/kg	n/v	n/v	5.3 J	36	3.7 J	3.2 J	2.6 J	5.0 J	3.3 J	3.2 J
TPH - Gasoline	mg/kg	n/v	n/v	5.3 U	120 D	4.6 U	5.7 D	8.2 D	9.4 D	5.7 U	5.4 U
Semi-Volatile Organic Compounds											
Acenaphthene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 20,000[C]	20,000[E]	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Acenaphthylene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	100,000[E]	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Acetophenone	µg/kg	100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	500 U	350 U	400 U	390 U
Anthracene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	100,000[E]	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Atrazine	µg/kg	100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Benzaldehyde	µg/kg	100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Benzo(a)anthracene	µg/kg	5,600[A] 1,000$_g$[B] 1,000$_n$[C]	1,000[E]	370 U	360 U	360 U	380 U	89 J	350 U	400 U	390 U
Benzo(a)pyrene	µg/kg	1,000$_g$[A] 1,000$_n$[C]	1,000[E]	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Benzo(b)fluoranthene	µg/kg	5,600[A] 1,000$_g$[B] 1,000$_n$[C]	1,000[E]	370 U	360 U	360 U	380 U	100 J	350 U	400 U	390 U
Benzo(g,h,i)perylene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000[C]	100,000[E]	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Benzo(k)fluoranthene	µg/kg	56,000[A] 3,900[B] 800$_n$[C]	800[E]	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Biphenyl, 1,1'- (Biphenyl)	µg/kg	100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Bis(2-Chloroethoxy)methane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Bis(2-Chloroethyl)ether	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Bromophenyl Phenyl Ether, 4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Butyl Benzyl Phthalate	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Carbazole	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Chloro-3-methyl phenol, 4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Chloroaniline, 4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Chloronaphthalene, 2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Chlorophenyl Phenyl Ether, 4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Chrysene	µg/kg	56,000[A] 3,900[B] 1,000$_n$[C]	1,000[E]	370 U	360 U	360 U	380 U	87 J	350 U	400 U	390 U
Cresol, o- (Methylphenol, 2-)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 330$_m$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Dibenzo(a,h)anthracene	µg/kg	560[A] 330$_f$[B] 330$_m$[C]	330[E]	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Dibenzofuran	µg/kg	350,000[A] 59,000[B] 7,000[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Dibutyl Phthalate (DBP)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Dichlorobenzidine, 3,3'-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Dichlorophenol, 2,4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Diethyl Phthalate	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Dimethyl Phthalate	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Dimethylphenol, 2,4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Dinitro-o-cresol, 4,6-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	760 U	730 U	720 U	770 U	770 U	710 U	810 U	790 U
Dinitrophenol, 2,4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	760 U	730 U	720 U	770 U	770 U	710 U	810 U	790 U
Dinitrotoluene, 2,4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Dinitrotoluene, 2,6-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Di-n-Octyl phthalate	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Fluoranthene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	100,000[E]	370 U	360 U	360 U	380 U	170 J	350 U	120 J	390 U
Fluorene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 30,000[C]	30,000[E]	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Hexachlorobenzene	µg/kg	6,000[A] 1,200[B] 330$_m$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Hexachlorocyclopentadiene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Hexachloroethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Indeno(1,2,3-cd)pyrene	µg/kg	5,600[A] 500$_g$[B] 500$_n$[C]	500[E]	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Isophorone	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Methylnaphthalene, 2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	200 J	350 U	400 U	390 U
Naphthalene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 12,000[C]	12,000[DE]	370 U	360 U	360 U	380 U	300 J	350 U	400 U	390 U
Nitroaniline, 2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	760 U	730 U	720 U	770 U	770 U	710 U	810 U	790 U
Nitroaniline, 3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	760 U	730 U	720 U	770 U	770 U	710 U	810 U	790 U
Nitroaniline, 4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	760 U	730 U	720 U	770 U	770 U	710 U	810 U	790 U
Nitrobenzene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Nitrophenol, 2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Nitrophenol, 4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	760 U	730 U	720 U	770 U	770 U	710 U	810 U	790 U
N-Nitrosodi-n-Propylamine	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
n-Nitrosodiphenylamine	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Pentachlorophenol	µg/kg	6,700[AB] 800$_m$[C]	n/v	760 U	730 U	720 U	770 U	770 U	710 U	810 U	790 U
Phenanthrene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000[C]	100,000[E]	370 U	360 U	360 U	380 U	120 J	350 U	400 U	390 U
Phenol	µg/kg	500,000$_c$[A] 100,000$_b$[B] 330$_m$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Pyrene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000[C]	100,000[E]	370 U	360 U	360 U	380 U	140 J	350 U	98 J	390 U
Tetrachlorobenzene, 1,2,4,5-	µg/kg	100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Tetrachlorophenol, 2,3,4,6-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Trichlorophenol, 2,4,5-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	760 U	730 U	720 U	770 U	770 U	710 U	810 U	790 U
Trichlorophenol, 2,4,6-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Caprolactam	µg/kg	100,000$_b$[B] 100,000$_a$[C]	n/v	370 U	360 U	360 U	380 U	380 U	350 U	400 U	390 U
Total SVOC	µg/kg	n/v	n/v	ND	ND	ND	ND	1,206	ND	218	ND
SVOC - Tentatively Identified Compounds											
Total SVOC TICs	µg/kg	n/v	n/v	2,640	3,570	2,690	5,200 J	22,190	2,330	2,640	3,610 J

See notes on last page.

Table 3
Summary of Analytical Results in Soil
RAOC 2 - Confirmatory Samples

Sample Location				937-RAOC2-EAST		937-RAOC2-NORTH		937-RAOC2-SOUTH		937-RAOC2-WEST	
Sample Date				16-Jun-16	16-Jun-16	16-Jun-16	17-Jun-16	16-Jun-16	16-Jun-16	16-Jun-16	17-Jun-16
Sample ID				937-RAOC2-EAST-S1	937-RAOC2-EAST-S2	937-RAOC2-NORTH-S1	937-RAOC2-NORTH-S2	937-RAOC2-SOUTH-S1	937-RAOC2-SOUTH-S2	937-RAOC2-WEST-S1	937-RAOC2-WEST-S2
Sample Depth				6 ft	13 ft	6 ft	11 ft	9 ft	11.5 ft	9 ft	10 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM
Laboratory Work Order		NYSDEC	NYSDEC	R0549	R0549	R0549	R0557	R0549	R0549	R0549	R0557
Laboratory Sample ID	Units	Part 375	CP-51	R0549-02	R0549-03	R0549-01	R0557-02	R0549-04	R0549-05	R0549-06	R0557-01
Volatile Organic Compounds											
Acetone	µg/kg	500,000$_c$[A] 100,000$_b$[B] 50[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Benzene	µg/kg	44,000[A] 4,800[B] 60[C]	60[DE]	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Bromodichloromethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Bromoform (Tribromomethane)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Bromomethane (Methyl bromide)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Carbon Disulfide	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	22,000[A] 2,400[B] 760[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Chlorobenzene (Monochlorobenzene)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 1,100[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Chlorobromomethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Chloroethane (Ethyl Chloride)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Chloroform (Trichloromethane)	µg/kg	350,000[A] 49,000[B] 370[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Chloromethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Cyclohexane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	990	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dibromochloromethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dichlorobenzene, 1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 1,100[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dichlorobenzene, 1,3-	µg/kg	280,000[A] 49,000[B] 2,400[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dichlorobenzene, 1,4-	µg/kg	130,000[A] 13,000[B] 1,800[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dichlorodifluoromethane (Freon 12)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dichloroethane, 1,1-	µg/kg	240,000[A] 26,000[B] 270[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dichloroethane, 1,2-	µg/kg	30,000[A] 3,100[B] 20$_m$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dichloroethene, 1,1-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 330[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dichloroethene, cis-1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 250[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dichloroethene, trans-1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 190[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dichloropropane, 1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dichloropropene, cis-1,3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dichloropropene, trans-1,3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Dioxane, 1,4-	µg/kg	130,000[A] 13,000[B] 100$_m$[C]	n/v	R	R	R	R	R	R	R	R
Ethylbenzene	µg/kg	390,000[A] 41,000[B] 1,000[C]	1,000[DE]	5.9 U	590 J	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Isopropylbenzene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	2,300[DE]	5.9 U	410 J	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Methyl Acetate	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 120[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Methyl tert-butyl ether (MTBE)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 930[C]	930[D]	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Methylcyclohexane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	2,200	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Methylene Chloride (Dichloromethane)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 50[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Styrene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Tetrachloroethane, 1,1,2,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Tetrachloroethene (PCE)	µg/kg	150,000[A] 19,000[B] 1,300[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Toluene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 700[C]	700[DE]	5.9 U	19 J	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Trichlorobenzene, 1,2,3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Trichlorobenzene, 1,2,4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Trichloroethane, 1,1,1-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 680[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Trichloroethane, 1,1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Trichloroethene (TCE)	µg/kg	200,000[A] 21,000[B] 470[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Trichlorofluoromethane (Freon 11)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Trichlorotrifluoroethane (Freon 113)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Vinyl chloride	µg/kg	13,000[A] 900[B] 20[C]	n/v	5.9 U	46 U	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Xylene, m & p-	µg/kg	500,000$_{c,p}$[A] 100,000$_{b,p}$[B] 260$_p$[C]	n/v	5.9 U	**930 J[C]**	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Xylene, o-	µg/kg	500,000$_{c,p}$[A] 100,000$_{b,p}$[B] 260$_p$[C]	n/v	5.9 U	190 J	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Xylenes, Total	µg/kg	500,000$_c$[A] 100,000$_b$[B] 260[C]	260[DE]	5.9 U	**1,100 J[CDE]**	5.5 U	5.5 U	5.8 U	5.5 U	6.0 U	5.8 U
Total VOC	µg/kg	n/v	n/v	ND	5,309 J	ND	ND	ND	ND	ND	ND
VOC - Tentatively Identified Compounds											
Total VOC TICs	µg/kg	n/v	n/v	-	26,760	-	-	-	143	-	-

Notes:

NYSDEC-Part 375	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Commercial
B	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Restricted Residential
C	NYSDEC 6 NYCRR Part 375 - Unrestricted Use Soil Cleanup Objectives
NYSDEC CP-51	New York State Department of Environmental Conservation, DEC Policy CP-51, October 21, 2010
D	Table 2 Soil Cleanup Levels for Gasoline Contaminated Soils
E	Table 3 Soil Cleanup Levels for Fuel Oil Contaminated Soil
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
a	The SCOs for unrestricted use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3
b	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
c	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See TSD Section 9.3.
f	For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value.
g	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
m	For constituents where the calculated SCO was lower than the Contract Required Quantitation Limit (CRQL), the CRQL is used as the Track 1 SCO value.
n	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.
p	The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
D	Result was obtained from the analysis of a dilution
J	The reported result is an estimated value.
L	Result is biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

Table 4
Summary of Analytical Results in Soil
Central Excavation - Confirmatory Samples

Sample Location				937 CENTRAL-BOTTOM	937 CENTRAL-EAST	937 CENTRAL-NORTH	937 CENTRAL-SOUTH	937 CENTRAL-WEST
Sample Date				17-Aug-16	17-Aug-16	17-Aug-16	17-Aug-16	17-Aug-16
Sample ID				937 CENTRAL-BOTTOM	937 CENTRAL-EAST	937 CENTRAL-NORTH	937 CENTRAL-SOUTH	937 CENTRAL-WEST
Sample Depth				4 ft	3 ft	3 ft	3 ft	3 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM
Laboratory Work Order		NYSDEC	NYSDEC	R0778	R0778	R0778	R0778	R0778
Laboratory Sample ID	Units	Part 375	CP-51	R0778-05	R0778-03	R0778-01	R0778-02	R0778-04
General Chemistry								
Moisture Content	%	n/v	n/v	13	14	18	16	16
Petroleum Hydrocarbons								
TPH - Diesel	mg/kg	n/v	n/v	5.0 BJ	4.2 BJ	54 B	32 B	26 B
TPH - Gasoline	mg/kg	n/v	n/v	0.9 J	1.0 J	2.5 J	0.7 J	22.8
Semi-Volatile Organic Compounds								
Acenaphthene	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $20{,}000^C$	$20{,}000^E$	370 U	380 U	400 U	390 U	390 U
Acenaphthylene	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	$100{,}000^E$	370 U	380 U	400 U	390 U	390 U
Acetophenone	µg/kg	$100{,}000_b^B$ $100{,}000_a^C$	n/v	370 UJ	380 UJ	400 UJ	390 UJ	390 UJ
Anthracene	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	$100{,}000^E$	370 UJ	380 UJ	150 J-	390 UJ	390 UJ
Atrazine	µg/kg	$100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Benzaldehyde	µg/kg	$100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Benzo(a)anthracene	µg/kg	$5{,}600^A$ $1{,}000_g^B$ $1{,}000_n^C$	$1{,}000^E$	370 U	380 U	510	220 J	100 J
Benzo(a)pyrene	µg/kg	$1{,}000_g^A$ $1{,}000_n^C$	$1{,}000^E$	370 U	380 U	400 U	400	160 J
Benzo(b)fluoranthene	µg/kg	$5{,}600^A$ $1{,}000_g^B$ $1{,}000_n^C$	$1{,}000^E$	370 U	380 U	940	480	180 J
Benzo(g,h,i)perylene	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000^C$	$100{,}000^E$	370 U	380 U	590	410	110 J
Benzo(k)fluoranthene	µg/kg	$56{,}000^A$ $3{,}900^B$ 800_n^C	800^E	370 U	380 U	310 J	170 J	79 J
Biphenyl, 1,1'- (Biphenyl)	µg/kg	$100{,}000_b^B$ $100{,}000_a^C$	n/v	370 UJ	380 UJ	400 UJ	390 UJ	390 UJ
Bis(2-Chloroethoxy)methane	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Bis(2-Chloroethyl)ether	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Bromophenyl Phenyl Ether, 4-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Butyl Benzyl Phthalate	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Carbazole	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Chloro-3-methyl phenol, 4-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Chloroaniline, 4-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Chloronaphthalene, 2-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Chlorophenyl Phenyl Ether, 4-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Chrysene	µg/kg	$56{,}000^A$ $3{,}900^B$ $1{,}000_n^C$	$1{,}000^E$	370 UJ	380 UJ	540 J-	260 J-	120 J-
Cresol, o- (Methylphenol, 2-)	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ 330_m^C	n/v	370 U	380 U	400 U	390 U	390 U
Dibenzo(a,h)anthracene	µg/kg	560^A 330_f^B 330_m^C	330^E	370 U	380 U	400 U	390 U	390 U
Dibenzofuran	µg/kg	$350{,}000^A$ $59{,}000^B$ $7{,}000^C$	n/v	370 U	380 U	400 U	390 U	390 U
Dibutyl Phthalate (DBP)	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 UJ	380 UJ	400 UJ	390 UJ	390 UJ
Dichlorobenzidine, 3,3'-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Dichlorophenol, 2,4-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Diethyl Phthalate	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Dimethyl Phthalate	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Dimethylphenol, 2,4-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Dinitro-o-cresol, 4,6-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	760 U	770 U	820 U	800 U	790 U
Dinitrophenol, 2,4-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	760 U	770 U	820 U	800 U	790 U
Dinitrotoluene, 2,4-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Dinitrotoluene, 2,6-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Di-n-Octyl phthalate	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Fluoranthene	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	$100{,}000^E$	370 UJ	380 UJ	950 J-	340 J-	150 J-
Fluorene	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $30{,}000^C$	$30{,}000^E$	370 U	380 U	400 U	390 U	390 U
Hexachlorobenzene	µg/kg	$6{,}000^A$ $1{,}200^B$ 330_m^C	n/v	370 U	380 U	400 U	390 U	390 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Hexachlorocyclopentadiene	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Hexachloroethane	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Indeno(1,2,3-cd)pyrene	µg/kg	$5{,}600^A$ 500_g^B 500_n^C	500^E	370 U	380 U	**610^{BCE}**	400	130 J
Isophorone	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Methylnaphthalene, 2-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Naphthalene	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $12{,}000^C$	$12{,}000^{DE}$	370 U	380 U	400 U	390 U	390 U
Nitroaniline, 2-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	760 U	770 U	820 U	800 U	790 U
Nitroaniline, 3-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	760 U	770 U	820 U	800 U	790 U
Nitroaniline, 4-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	760 U	770 U	820 U	800 U	790 U
Nitrobenzene	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Nitrophenol, 2-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Nitrophenol, 4-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	760 U	770 U	820 U	800 U	790 U
N-Nitrosodi-n-Propylamine	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
n-Nitrosodiphenylamine	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Pentachlorophenol	µg/kg	$6{,}700^{AB}$ 800_m^C	n/v	760 U	770 U	820 U	800 U	790 U
Phenanthrene	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000^C$	$100{,}000^E$	370 U	380 U	570	110 J	390 U
Phenol	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ 330_m^C	n/v	370 U	380 U	400 U	390 U	390 U
Pyrene	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000^C$	$100{,}000^E$	370 U	380 U	880	340 J	140 J
Tetrachlorobenzene, 1,2,4,5-	µg/kg	$100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Tetrachlorophenol, 2,3,4,6-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Trichlorophenol, 2,4,5-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	760 U	770 U	820 U	800 U	790 U
Trichlorophenol, 2,4,6-	µg/kg	$500{,}000_c^A$ $100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Caprolactam	µg/kg	$100{,}000_b^B$ $100{,}000_a^C$	n/v	370 U	380 U	400 U	390 U	390 U
Total SVOC	µg/kg	n/v	n/v	ND	ND	6,050	3,130	1,169
SVOC - Tentatively Identified Compounds								
Total SVOC TICs	µg/kg	n/v	n/v	2,080	2,130	3,970	2,320	2,460

See notes on last page.

Table 4
Summary of Analytical Results in Soil
Central Excavation - Confirmatory Samples

Sample Location				937 CENTRAL-BOTTOM	937 CENTRAL-EAST	937 CENTRAL-NORTH	937 CENTRAL-SOUTH	937 CENTRAL-WEST
Sample Date				17-Aug-16	17-Aug-16	17-Aug-16	17-Aug-16	17-Aug-16
Sample ID				937 CENTRAL-BOTTOM	937 CENTRAL-EAST	937 CENTRAL-NORTH	937 CENTRAL-SOUTH	937 CENTRAL-WEST
Sample Depth				4 ft	3 ft	3 ft	3 ft	3 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM
Laboratory Work Order		NYSDEC	NYSDEC	R0778	R0778	R0778	R0778	R0778
Laboratory Sample ID	Units	Part 375	CP-51	R0778-05	R0778-03	R0778-01	R0778-02	R0778-04
Volatile Organic Compounds								
Acetone	µg/kg	500,000$_c$[A] 100,000$_b$[B] 50[C]	n/v	53.8 U	28.5 J	77.1 U	64.6 U	689 U
Acrylonitrile	µg/kg	n/v	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Benzene	µg/kg	44,000[A] 4,800[B] 60[C]	60[DE]	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Bromobenzene	µg/kg	n/v	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Bromodichloromethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Bromoform (Tribromomethane)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Bromomethane (Methyl bromide)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	10.8 U	11.6 U	15.4 U	12.9 U	138 U
Butylbenzene, n-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 12,000[C]	12,000[DE]	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Butylbenzene, sec- (2-Phenylbutane)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 11,000[C]	11,000[DE]	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Butylbenzene, tert-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 5,900[C]	5,900[DE]	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Carbon Disulfide	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	10.8 U	11.6 U	15.4 U	12.9 U	138 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	22,000[A] 2,400[B] 760[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Chlorobenzene (Monochlorobenzene)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 1,100[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Chlorobromomethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Chloroethane (Ethyl Chloride)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	10.8 U	11.6 U	15.4 U	12.9 U	138 U
Chloroform (Trichloromethane)	µg/kg	350,000[A] 49,000[B] 370[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Chloromethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	10.8 U	11.6 U	15.4 U	12.9 U	138 U
Chlorotoluene, 2-	µg/kg	n/v	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Chlorotoluene, 4-	µg/kg	n/v	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	10.8 U	11.6 U	15.4 U	12.9 U	138 U
Dibromochloromethane	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dibromomethane (Methylene Bromide)	µg/kg	n/v	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dichloro-2-Butene, trans-1,4-	µg/kg	n/v	n/v	26.9 U	28.9 U	38.5 U	32.3 U	345 U
Dichlorobenzene, 1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 1,100[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dichlorobenzene, 1,3-	µg/kg	280,000[A] 49,000[B] 2,400[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dichlorobenzene, 1,4-	µg/kg	130,000[A] 13,000[B] 1,800[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dichlorodifluoromethane (Freon 12)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	10.8 U	11.6 U	15.4 U	12.9 U	138 U
Dichloroethane, 1,1-	µg/kg	240,000[A] 26,000[B] 270[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dichloroethane, 1,2-	µg/kg	30,000[A] 3,100[B] 20$_m$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dichloroethene, 1,1-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 330[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dichloroethene, cis-1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 250[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dichloroethene, trans-1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 190[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dichloropropane, 1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dichloropropane, 1,3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dichloropropane, 2,2-	µg/kg	n/v	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dichloropropene, 1,1-	µg/kg	n/v	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dichloropropene, cis-1,3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dichloropropene, trans-1,3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Diisopropyl Ether (DIPE)	µg/kg	n/v	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Dioxane, 1,4-	µg/kg	130,000[A] 13,000[B] 100$_m$[C]	n/v	R	R	R	R	R
Ethanol	µg/kg	n/v	n/v	R	R	R	R	R
Ethyl Ether (Diethyl ether)	µg/kg	n/v	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Ethyl Tert Butyl Ether	µg/kg	n/v	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Ethylbenzene	µg/kg	390,000[A] 41,000[B] 1,000[C]	1,000[DE]	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	10.8 U	11.6 U	15.4 U	12.9 U	138 U
Isopropylbenzene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	2,300[DE]	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Isopropyltoluene, p- (Cymene)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	10,000[DE]	5.4 U	5.8 U	7.7 U	6.5 U	30.3 J
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 120[C]	n/v	10.8 U	11.6 U	15.4 U	12.9 U	138 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	10.8 U	11.6 U	15.4 U	12.9 U	138 U
Methyl tert-butyl ether (MTBE)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 930[C]	930[D]	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Methylene Chloride (Dichloromethane)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 50[C]	n/v	8.6 J	10.1 J	18.6	11.7 J	138 U
Naphthalene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 12,000[C]	12,000[DE]	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Propylbenzene, n-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 3,900[C]	3,900[DE]	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Styrene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Tert Amyl Methyl Ether	µg/kg	n/v	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Tert-Butyl Alcohol	µg/kg	n/v	n/v	54 U	58 U	77 U	65 U	690 U
Tetrachloroethane, 1,1,1,2-	µg/kg	n/v	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Tetrachloroethane, 1,1,2,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Tetrachloroethene (PCE)	µg/kg	150,000[A] 19,000[B] 1,300[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Tetrahydrofuran	µg/kg	n/v	n/v	10.8 U	11.6 U	15.4 U	12.9 U	138 U
Toluene	µg/kg	500,000$_c$[A] 100,000$_b$[B] 700[C]	700[DE]	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Trichlorobenzene, 1,2,3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Trichlorobenzene, 1,2,4-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Trichlorobenzene, 1,3,5-	µg/kg	n/v	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Trichloroethane, 1,1,1-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 680[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Trichloroethane, 1,1,2-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Trichloroethene (TCE)	µg/kg	200,000[A] 21,000[B] 470[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Trichlorofluoromethane (Freon 11)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Trichloropropane, 1,2,3-	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Trichlorotrifluoroethane (Freon 113)	µg/kg	500,000$_c$[A] 100,000$_b$[B] 100,000$_a$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Trimethylbenzene, 1,2,4-	µg/kg	190,000[A] 52,000[B] 3,600[C]	3,600[DE]	5.4 U	5.8 U	7.7 U	6.5 U	55.1 J
Trimethylbenzene, 1,3,5-	µg/kg	190,000[A] 52,000[B] 8,400[C]	8,400[DE]	5.4 U	5.8 U	7.7 U	6.5 U	162
Vinyl chloride	µg/kg	13,000[A] 900[B] 20[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Xylene, m & p-	µg/kg	500,000$_{c,p}$[A] 100,000$_{b,p}$[B] 260$_p$[C]	n/v	10.8 U	11.6 U	15.4 U	12.9 U	138 U
Xylene, o-	µg/kg	500,000$_{c,p}$[A] 100,000$_{b,p}$[B] 260$_p$[C]	n/v	5.4 U	5.8 U	7.7 U	6.5 U	68.9 U
Total VOC	µg/kg	n/v	n/v	8.6	38.6	18.6	11.7	247.4
VOC - Tentatively Identified Compounds								
Total VOC TICs	µg/kg	n/v	n/v	NONE	NONE	NONE	NONE	3,850

See notes on last page.

Table 4
Summary of Analytical Results in Soil
Central Excavation - Confirmatory Samples

Notes:

NYSDEC-Part 375	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Commercial
B	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Restricted Residential
C	NYSDEC 6 NYCRR Part 375 - Unrestricted Use Soil Cleanup Objectives
NYSDEC CP-51	New York State Department of Environmental Conservation, DEC Policy CP-51, October 21, 2010
D	Table 2 Soil Cleanup Levels for Gasoline Contaminated Soils
E	Table 3 Soil Cleanup Levels for Fuel Oil Contaminated Soil
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
a	The SCOs for unrestricted use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3
b	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
c	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See TSD Section 9.3.
f	For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value.
g	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
m	For constituents where the calculated SCO was lower than the Contract Required Quantitation Limit (CRQL), the CRQL is used as the Track 1 SCO value.
n	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.
p	The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
B	Indicates analyte was found in associated blank, as well as in the sample.
J	The reported result is an estimated value.
J-	The associated value is an estimated quantity, with a likely low bias.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R	The data are unusable. The analyte may or may not be present.
UJ	Indicates estimated non-detect.
SPECTRUM	Spectrum Analytical

Environmental Management Plan
937 - 941 Genesee Street, Rochester, NY
Table 5
Summary of Analytical Results in Groundwater

Sample Location			MW-12						MW-101				MW-102		Trip Blank		
Sample Date			6-Oct-16	6-Oct-16	23-Jan-17	23-Jan-17	26-Jul-17	26-Jul-17	6-Oct-16	23-Jan-17	23-Jan-17	26-Jul-17	23-Jan-17	26-Jul-17	6-Oct-16	23-Jan-17	26-Jul-17
Sample ID			937-MW12-PE1	937-DUP-PE1	MW-12	DUP	MW-12	DUP	937-MW101-PE1	MW-101	MW-101	MW-101	MW-102	MW-102	TRIPBLANK	TRIP BLANK	Trip Blank
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM
Laboratory Work Order			R0929	R0929	T0056	T0056	SC37462	SC37462	R0929	T0056	T0056	SC37462	T0056	SC37462	SC26835-04	T0056-05	SC37462-05
Laboratory Sample ID			SC26835-01	SC26835-03	T0056-01	T0056-03	SC37462-01	SC37462-03	SC26835-02	T0056-02	T0056-02RE	SC37462-02	T0056-04	SC37462-04	Trip Blank	Trip Blank	Trip Blank
Sample Type	Units	TOGS		Field Duplicate		Field Duplicate		Field Duplicate									
Petroleum Hydrocarbons																	
Fuel Oil #2	mg/L	n/v	0.2 U	0.2 U	-	-	0.2 U	0.2 U	0.2 U	-	-	0.2 U	-	0.4 U	-	-	-
Fuel Oil #4	mg/L	n/v	0.2 U	0.2 U	-	-	0.2 U	0.2 U	0.2 U	-	-	0.2 U	-	0.4 U	-	-	-
Fuel Oil #6	mg/L	n/v	0.2 U	0.2 U	-	-	0.2 U	0.2 U	0.2 U	-	-	0.2 U	-	0.4 U	-	-	-
Fuel Oils	mg/L	n/v	-	-	-	-	0.2 U	0.2 U	-	-	-	0.2 U	-	0.4 U	-	-	-
Gasoline Range Organics (C5-C12)	mg/L	n/v	0.4 U	0.4 U	-	-	-	-	0.4 U	-	-	-	-	-	-	-	-
Other Hydrocarbon	mg/L	n/v	0.2 U	0.2 U	-	-	-	-	0.2	-	-	-	-	-	-	-	-
PHC - Aviation Gas	mg/L	n/v	0.2 U	0.2 U	-	-	0.2 U	0.2 U	0.2 U	-	-	0.2 U	-	0.4 U	-	-	-
PHC - diesel (C10-C28)	mg/L	n/v	0.2 U	0.2 U	0.20 U	0.20 U	7.2 J	0.4 J	0.4	0.26	-	0.5	0.26	1.3	-	-	-
PHC - Gasoline (C6-C10)	mg/L	n/v	-	-	0.1 U	0.1 U	0.1 U	0.1 U	-	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	-	-	-
PHC as Motor Oil	mg/L	n/v	0.2 U	0.2 U	-	-	0.2 U	0.2 U	0.2 U	-	-	0.2 U	-	0.4 U	-	-	-
Unknown hydrocarbon	mg/L	n/v	0.2 U	0.2 U	-	-	0.2 U	0.2 U	0.4	-	-	0.2 U	-	0.4 U	-	-	-
Semi-Volatile Organic Compounds																	
Acenaphthene	µg/L	20[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Acenaphthylene	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Acetophenone	µg/L	n/v	-	-	10 U	10 U	4.85 U	4.90 U	-	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Aniline	µg/L	5[B]	5.21 U	5.15 U	-	-	-	-	5.00 U	-	-	-	-	-	-	-	-
Anthracene	µg/L	50[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Atrazine	µg/L	7.5[B]	-	-	10 U	10 U	4.85 U	4.90 U	-	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Azobenzene	µg/L	5[B]	5.21 U	5.15 U	-	-	-	-	5.00 U	-	-	-	-	-	-	-	-
Benzaldehyde	µg/L	n/v	-	-	10 U	10 U	4.85 U	4.90 U	-	10 U	-	4.85 UJ	10 U	10.4 U	-	-	-
Benzidine	µg/L	5[B]	5.21 U	5.15 U	-	-	-	-	5.00 U	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Benzo(a)pyrene	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Benzo(b)fluoranthene	µg/L	0.002[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Benzo(g,h,i)perylene	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Benzo(k)fluoranthene	µg/L	0.002[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Benzoic acid	µg/L	n/v	5.21 U	5.15 U	-	-	-	-	5.00 U	-	-	-	-	-	-	-	-
Benzyl Alcohol	µg/L	n/v	5.21 U	5.15 U	-	-	-	-	5.00 U	-	-	-	-	-	-	-	-
Biphenyl, 1,1'- (Biphenyl)	µg/L	5[B]	-	-	10 U	10 U	4.85 U	4.90 U	-	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Bis(2-Chloroethoxy)methane	µg/L	5[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Bis(2-Chloroethyl)ether	µg/L	1[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Bis(2-Chloroisopropyl)ether	µg/L	n/v	5.21 U	5.15 U	-	-	-	-	5.00 U	-	-	-	-	-	-	-	-
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/L	5[B]	-	-	10 U	10 U	4.85 U	4.90 U	-	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Bromophenyl Phenyl Ether, 4-	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Butyl Benzyl Phthalate	µg/L	50[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Carbazole	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Chloro-3-methyl phenol, 4-	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Chloroaniline, 4-	µg/L	5[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 UJ	10 U	10.4 U	-	-	-
Chloronaphthalene, 2-	µg/L	10[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Chlorophenol, 2- (ortho-Chlorophenol)	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Chlorophenyl Phenyl Ether, 4-	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Chrysene	µg/L	0.002[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Cresol, m & p- (Methylphenol, 3&4-)	µg/L	n/v	10.4 U	10.3 U	-	-	9.71 U	9.80 U	10.0 U	-	-	9.71 U	-	20.8 U	-	-	-
Cresol, o- (Methylphenol, 2-)	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Cresol, p- (Methylphenol, 4-)	µg/L	n/v	-	-	10 U	10 U	-	-	-	10 U	-	-	10 U	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Dibenzofuran	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	-	-	5.00 U	10 U	-	-	10 U	-	-	-	-
Dibutyl Phthalate (DBP)	µg/L	50[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Dichlorobenzene, 1,2-	µg/L	3[B]	5.21 U	5.15 U	-	-	-	-	5.00 U	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	3[B]	5.21 U	5.15 U	-	-	-	-	5.00 U	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	3[B]	5.21 U	5.15 U	-	-	-	-	5.00 U	-	-	-	-	-	-	-	-
Dichlorobenzidine, 3,3'-	µg/L	5[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	R	10 U	10.4 U	-	-	-
Dichlorophenol, 2,4-	µg/L	5[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Diethyl Phthalate	µg/L	50[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Dimethyl Phthalate	µg/L	50[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Dimethylphenol, 2,4-	µg/L	50[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Dinitro-o-cresol, 4,6-	µg/L	n/v	5.21 U	5.15 U	20 U	20 U	4.85 U	4.90 U	5.00 U	20 U	-	4.85 U	20 U	10.4 U	-	-	-
Dinitrophenol, 2,4-	µg/L	10[A]	5.21 U	5.15 U	20 U	20 U	4.85 U	4.90 U	5.00 U	20 U	-	4.85 U	20 U	10.4 U	-	-	-
Dinitrotoluene, 2,4-	µg/L	5[B]	5.21 U	5.15 U	10 U	10 U	-	-	5.00 U	10 U	-	-	10 U	-	-	-	-
Dinitrotoluene, 2,6-	µg/L	5[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Di-n-Octyl phthalate	µg/L	50[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Fluoranthene	µg/L	50[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Fluorene	µg/L	50[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Hexachlorobenzene	µg/L	0.04[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/L	0.5[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Hexachlorocyclopentadiene	µg/L	5[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Hexachloroethane	µg/L	5[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Isophorone	µg/L	50[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	5.21 U	5.15 U	-	-	-	-	5.00 U	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-

See notes on last page.

Environmental Management Plan
937 - 941 Genesee Street, Rochester, NY
Table 5
Summary of Analytical Results in Groundwater

Sample Location			MW-12						MW-101				MW-102		Trip Blank		
Sample Date			6-Oct-16	6-Oct-16	23-Jan-17	23-Jan-17	26-Jul-17	26-Jul-17	6-Oct-16	23-Jan-17	23-Jan-17	26-Jul-17	23-Jan-17	26-Jul-17	6-Oct-16	23-Jan-17	26-Jul-17
Sample ID			937-MW12-PE1	937-DUP-PE1	MW-12	DUP	MW-12	DUP	937-MW101-PE1	MW-101	MW-101	MW-101	MW-102	MW-102	TRIPBLANK	TRIP BLANK	Trip Blank
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM
Laboratory Work Order			R0929	R0929	T0056	T0056	SC37462	SC37462	R0929	T0056	T0056	SC37462	T0056	SC37462	SC26835-04	T0056-05	SC37462
Laboratory Sample ID			SC26835-01	SC26835-03	T0056-01	T0056-03	SC37462-01	SC37462-03	SC26835-02	T0056-02	T0056-02RE	SC37462-02	T0056-04	SC37462-04	Trip Blank	Trip Blank	SC37462-05
Sample Type	Units	TOGS		Field Duplicate		Field Duplicate		Field Duplicate									Trip Blank
Semi-Volatile Organic Compounds (cont'd)																	
Naphthalene	µg/L	10[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Nitroaniline, 2-	µg/L	5--[B]	5.21 U	5.15 U	20 U	20 U	4.85 U	4.90 U	5.00 U	20 U	-	4.85 U	20 U	10.4 U	-	-	-
Nitroaniline, 3-	µg/L	5--[B]	5.21 U	5.15 U	20 U	20 U	4.85 U	4.90 U	5.00 U	20 U	-	4.85 U	20 U	10.4 U	-	-	-
Nitroaniline, 4-	µg/L	5--[B]	5.21 U	5.15 U	20 U	20 U	4.85 U	4.90 U	5.00 U	20 U	-	4.85 U	20 U	10.4 U	-	-	-
Nitrobenzene	µg/L	0.4[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Nitrophenol, 2-	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Nitrophenol, 4-	µg/L	n/v	20.8 U	20.6 U	20 U	20 U	-	-	20.0 U	20 U	-	-	20 U	-	-	-	-
N-Nitrosodimethylamine (NDMA)	µg/L	n/v	5.21 U	5.15 U	-	-	4.85 UJ	4.90 UJ	5.00 U	-	-	4.85 UJ	-	10.4 UJ	-	-	-
N-Nitrosodi-n-Propylamine	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
n-Nitrosodiphenylamine	µg/L	50[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Pentachloronitrobenzene (Quintozine)	µg/L	n/v	5.21 U	5.15 U	-	-	-	-	5.00 U	-	-	-	-	-	-	-	-
Pentachlorophenol	µg/L	1.0[B]	20.8 U	20.6 U	20 U	20 U	19.4 U	19.6 U	20.0 U	20 U	-	19.4 U	20 U	41.7 U	-	-	-
Phenanthrene	µg/L	50[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Phenol	µg/L	1.0[B]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 UJ	10 U	10.4 U	-	-	-
Pyrene	µg/L	50[A]	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Pyridine	µg/L	50[A]	5.21 U	5.15 U	-	-	-	-	5.00 U	-	-	-	-	-	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Tetrachlorophenol, 2,3,4,6-	µg/L	n/v	-	-	25 U	25 U	4.85 U	4.90 U	-	25 U	-	4.85 U	25 U	10.4 U	-	-	-
Trichlorobenzene, 1,2,4-	µg/L	5--[B]	5.21 U	5.15 U	-	-	-	-	5.00 U	-	-	-	-	-	-	-	-
Trichlorophenol, 2,4,5-	µg/L	n/v	5.21 U	5.15 U	20 U	20 U	4.85 U	4.90 U	5.00 U	20 U	-	4.85 U	20 U	10.4 U	-	-	-
Trichlorophenol, 2,4,6-	µg/L	n/v	5.21 U	5.15 U	10 U	10 U	4.85 U	4.90 U	5.00 U	10 U	-	4.85 U	10 U	10.4 U	-	-	-
Caprolactam	µg/L	n/v	-	-	10 U	10 U	4.85 U	4.90 U	-	10 U	-	4.85 UJ	10 U	10.4 U	-	-	-
SVOC - Tentatively Identified Compounds																	
Tentatively Identified Compound (TIC)	µg/L	n/v	Nonefound	Nonefound	-	-	Nonefound	Nonefound	-	-	-	Nonefound	-	Nonefound	-	-	-
Total SVOC TICs	µg/L	n/v	-	-	36	19.2	-	-	4.6	28.3	-	-	27.2	-	-	-	-
Volatile Organic Compounds																	
Acetone	µg/L	50[A]	10.0 U	10.0 U	5.0 U	5.0 U	10.0 U	10.0 U	10.0 U	5.0 U	-	10.0 U	5.0 U	10.0 U	10.0 U	5.0 U	10.0 U
Acrylonitrile	µg/L	5--[B]	0.5 U	0.5 U	-	-	-	-	0.5 U	-	-	-	-	-	0.5 U	-	-
Benzene	µg/L	1[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Bromobenzene	µg/L	5--[B]	1.0 U	1.0 U	-	-	-	-	1.0 U	-	-	-	-	-	1.0 U	-	-
Bromodichloromethane	µg/L	50[A]	0.5 U	0.5 U	5.0 U	5.0 U	0.50 U	0.50 U	0.5 U	5.0 U	-	0.50 U	5.0 U	0.50 U	0.5 U	5.0 U	0.50 U
Bromoform (Tribromomethane)	µg/L	50[A]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Bromomethane (Methyl bromide)	µg/L	5--[B]	2.0 U	2.0 U	5.0 U	5.0 U	2.00 U	2.00 U	2.0 U	5.0 U	-	2.00 U	5.0 U	2.00 U	2.0 U	5.0 U	2.00 U
Butylbenzene, n-	µg/L	5--[B]	1.0 U	1.0 U	-	-	1.00 U	1.00 U	1.0 U	-	-	1.00 U	-	1.00 U	1.0 U	-	1.00 U
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5--[B]	1.0 U	1.0 U	-	-	1.00 U	1.00 U	1.0 U	-	-	1.00 U	-	1.00 U	1.0 U	-	1.00 U
Butylbenzene, tert-	µg/L	5--[B]	1.0 U	1.0 U	-	-	1.00 U	1.00 U	1.0 U	-	-	1.00 U	-	1.00 U	1.0 U	-	1.00 U
Carbon Disulfide	µg/L	60[A]	2.0 U	2.0 U	5.0 U	5.0 U	2.00 U	2.00 U	2.0 U	5.0 U	-	2.00 UJ	5.0 U	2.00 U	2.0 U	5.0 U	2.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5--[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Chlorobromomethane	µg/L	5--[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Chloroethane (Ethyl Chloride)	µg/L	5--[B]	2.0 U	2.0 U	5.0 U	5.0 U	2.00 U	2.00 U	2.0 U	5.0 U	-	2.00 U	5.0 U	2.00 U	2.0 U	5.0 U	2.00 U
Chloroform (Trichloromethane)	µg/L	7[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Chloromethane	µg/L	5--[B]	2.0 U	2.0 U	5.0 U	5.0 U	2.00 U	2.00 U	2.0 U	5.0 U	-	2.00 UJ	5.0 U	2.00 U	2.0 U	5.0 U	2.00 U
Chlorotoluene, 2-	µg/L	5--[B]	1.0 U	1.0 U	-	-	-	-	1.0 U	-	-	-	-	-	1.0 U	-	-
Chlorotoluene, 4-	µg/L	5--[B]	1.0 U	1.0 U	-	-	-	-	1.0 U	-	-	-	-	-	1.0 U	-	-
Cyclohexane	µg/L	n/v	-	-	5.0 U	5.0 U	5.00 U	5.00 U	-	5.0 U	-	5.00 U	5.0 U	5.00 U	-	5.0 U	5.00 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	2.0 U	2.0 U	5.0 U	5.0 U	2.00 U	2.00 U	2.0 U	5.0 U	-	2.00 U	5.0 U	2.00 U	2.0 U	5.0 U	2.00 U
Dibromochloromethane	µg/L	50[A]	0.5 U	0.5 U	5.0 U	5.0 U	0.50 U	0.50 U	0.5 U	5.0 U	-	0.50 U	5.0 U	0.50 U	0.5 U	5.0 U	0.50 U
Dibromomethane (Methylene Bromide)	µg/L	5--[B]	1.0 U	1.0 U	-	-	-	-	1.0 U	-	-	-	-	-	1.0 U	-	-
Dichloro-2-Butene, trans-1,4-	µg/L	n/v	5.0 U	5.0 U	-	-	-	-	5.0 U	-	-	-	-	-	5.0 U	-	-
Dichlorobenzene, 1,2-	µg/L	3[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Dichlorobenzene, 1,3-	µg/L	3[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Dichlorobenzene, 1,4-	µg/L	3[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Dichlorodifluoromethane (Freon 12)	µg/L	5--[B]	2.0 U	2.0 U	5.0 U	5.0 U	2.00 U	2.00 U	2.0 U	5.0 U	-	2.00 UJ	5.0 U	2.00 U	2.0 U	5.0 U	2.00 U
Dichloroethane, 1,1-	µg/L	5--[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Dichloroethane, 1,2-	µg/L	0.6[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Dichloroethene, 1,1-	µg/L	5--[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Dichloroethene, cis-1,2-	µg/L	5--[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Dichloroethene, trans-1,2-	µg/L	5--[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Dichloropropane, 1,2-	µg/L	1[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Dichloropropane, 1,3-	µg/L	5--[B]	1.0 U	1.0 U	-	-	-	-	1.0 U	-	-	-	-	-	1.0 U	-	-
Dichloropropane, 2,2-	µg/L	5--[B]	1.0 U	1.0 U	-	-	-	-	1.0 U	-	-	-	-	-	1.0 U	-	-
Dichloropropene, 1,1-	µg/L	5--[B]	1.0 U	1.0 U	-	-	-	-	1.0 U	-	-	-	-	-	1.0 U	-	-
Dichloropropene, cis-1,3-	µg/L	0.4$_{tc}$[B]	0.5 U	0.5 U	5.0 U	5.0 U	0.50 U	0.50 U	0.5 U	5.0 U	-	0.50 U	5.0 U	0.50 U	0.5 U	5.0 U	0.50 U
Dichloropropene, trans-1,3-	µg/L	0.4$_{tc}$[B]	0.5 U	0.5 U	5.0 U	5.0 U	0.50 U	0.50 U	0.5 U	5.0 U	-	0.50 U	5.0 U	0.50 U	0.5 U	5.0 U	0.50 U
Diisopropyl Ether (DIPE)	µg/L	n/v	1.0 U	1.0 U	-	-	-	-	1.0 U	-	-	-	-	-	1.0 U	-	-
Dioxane, 1,4-	µg/L	n/v	20.0 U	20.0 U	100 U	100 U	R	R	20.0 U	100 U	-	R	100 U	R	20.0 U	100 U	R
Ethanol	µg/L	n/v	200 U	200 U	-	-	-	-	200 U	-	-	-	-	-	200 U	-	-
Ethyl Ether (Diethyl ether)	µg/L	n/v	1.0 U	1.0 U	-	-	-	-	1.0 U	-	-	-	-	-	1.0 U	-	-
Ethyl Tert Butyl Ether	µg/L	n/v	1.0 U	1.0 U	-	-	-	-	1.0 U	-	-	-	-	-	1.0 U	-	-
Ethylbenzene	µg/L	5--[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	0.5 U	0.5 U	5.0 U	5.0 U	0.50 U	0.50 U	0.5 U	5.0 U	-	0.50 U	5.0 U	0.50 U	0.5 U	5.0 U	0.50 U

See notes on last page.

Environmental Management Plan
937 - 941 Genesee Street, Rochester, NY
Table 5
Summary of Analytical Results in Groundwater

Sample Location			MW-12						MW-101				MW-102		Trip Blank		
Sample Date			6-Oct-16	6-Oct-16	23-Jan-17	23-Jan-17	26-Jul-17	26-Jul-17	6-Oct-16	23-Jan-17	23-Jan-17	26-Jul-17	23-Jan-17	26-Jul-17	6-Oct-16	23-Jan-17	26-Jul-17
Sample ID			937-MW12-PE1	937-DUP-PE1	MW-12	DUP	MW-12	DUP	937-MW101-PE1	MW-101	MW-101	MW-101	MW-102	MW-102	TRIPBLANK	TRIP BLANK	Trip Blank
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM
Laboratory Work Order			R0929	R0929	T0056	T0056	SC37462	SC37462	R0929	T0056	T0056	SC37462	T0056	SC37462	SC26835-04	T0056	SC37462
Laboratory Sample ID			SC26835-01	SC26835-03	T0056-01	T0056-03	SC37462-01	SC37462-03	SC26835-02	T0056-02	T0056-02RE	SC37462-02	T0056-04	SC37462-04	Trip Blank	T0056-05	SC37462-05
Sample Type				Field Duplicate		Field Duplicate		Field Duplicate								Trip Blank	Trip Blank
Volatile Organic Compounds (cont'd)																	
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/L	0.5[B]	0.5 U	0.5 U	-	-	-	-	0.5 U	-	-	-	-	-	0.5 U	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	2.0 U	2.0 U	5.0 U	5.0 U	2.00 U	2.00 U	2.0 U	5.0 U	-	2.00 U	5.0 U	2.00 U	2.0 U	5.0 U	2.00 U
Isopropylbenzene	µg/L	5[**B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Isopropyltoluene, p- (Cymene)	µg/L	5[**B]	1.0 U	1.0 U	-	-	1.00 U	1.00 U	1.0 U	-	-	1.00 U	-	1.00 U	1.0 U	-	1.00 U
Methyl Acetate	µg/L	n/v	-	-	5.0 U	5.0 U	5.00 U	5.00 U	-	5.0 U	-	5.00 U	5.0 U	5.00 U	-	5.0 U	5.00 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[A]	2.0 U	2.0 U	5.0 U	5.0 U	2.00 U	2.00 U	2.0 U	5.0 U	-	2.00 U	5.0 U	2.00 U	2.0 U	5.0 U	2.00 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	2.0 U	2.0 U	5.0 U	5.0 U	2.00 U	2.00 U	2.0 U	5.0 U	-	2.00 U	5.0 U	2.00 U	2.0 U	5.0 U	2.00 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Methylcyclohexane	µg/L	n/v	-	-	5.0 U	5.0 U	5.00 U	5.00 U	-	5.0 U	-	5.00 U	5.0 U	5.00 U	-	5.0 U	5.00 U
Methylene Chloride (Dichloromethane)	µg/L	5[**B]	2.0 U	2.0 U	5.0 U	5.0 U	2.00 U	2.00 U	2.0 U	5.0 U	-	2.00 U	5.0 U	2.00 U	2.0 U	5.0 U	2.00 U
Naphthalene	µg/L	10[B]	1.0 U	1.0 U	-	-	1.00 U	1.00 U	1.0 U	-	-	1.00 U	-	1.00 U	1.0 U	-	1.00 U
Propylbenzene, n-	µg/L	5[**B]	1.0 U	1.0 U	-	-	1.00 U	1.00 U	1.0 U	-	-	1.00 U	-	1.00 U	1.0 U	-	1.00 U
Styrene	µg/L	5[**B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Tert Amyl Methyl Ether	µg/L	n/v	1.0 U	1.0 U	-	-	-	-	1.0 U	-	-	-	-	-	1.0 U	-	-
Tert-Butyl Alcohol	µg/L	n/v	10.0 U	10.0 U	-	-	-	-	10.0 U	-	-	-	-	-	10.0 U	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	5[**B]	1.0 U	1.0 U	-	-	-	-	1.0 U	-	-	-	-	-	1.0 U	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	5[**B]	0.5 U	0.5 U	5.0 U	5.0 U	0.50 U	0.50 U	0.5 U	5.0 U	-	0.50 U	5.0 U	0.50 U	0.5 U	5.0 U	0.50 U
Tetrachloroethene (PCE)	µg/L	5[**B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Tetrahydrofuran	µg/L	50[A]	2.0 U	2.0 U	-	-	-	-	2.0 U	-	-	-	-	-	2.0 U	-	-
Toluene	µg/L	5[**B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Trichlorobenzene, 1,2,3-	µg/L	5[**B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Trichlorobenzene, 1,2,4-	µg/L	5[**B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Trichlorobenzene, 1,3,5-	µg/L	5[**B]	1.0 U	1.0 U	-	-	-	-	1.0 U	-	-	-	-	-	1.0 U	-	-
Trichloroethane, 1,1,1-	µg/L	5[**B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Trichloroethane, 1,1,2-	µg/L	1[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Trichloroethene (TCE)	µg/L	5[**B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Trichlorofluoromethane (Freon 11)	µg/L	5[**B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Trichloropropane, 1,2,3-	µg/L	0.04[B]	1.0 U	1.0 U	-	-	-	-	1.0 U	-	-	-	-	-	1.0 U	-	-
Trichlorotrifluoroethane (Freon 113)	µg/L	5[**B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Trimethylbenzene, 1,2,4-	µg/L	5[**B]	1.0 U	1.0 U	-	-	1.00 U	1.00 U	1.0 U	-	-	1.00 U	-	1.00 U	1.0 U	-	1.00 U
Trimethylbenzene, 1,3,5-	µg/L	5[**B]	1.0 U	1.0 U	-	-	1.00 U	1.00 U	1.0 U	-	-	1.00 U	-	1.00 U	1.0 U	-	1.00 U
Vinyl Chloride	µg/L	2[B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 UJ	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Xylene, m & p-	µg/L	5[**B]	0.5 JB	2.0 JB	5.0 U	5.0 U	2.00 U	2.00 U	0.4 JB	5.0 U	-	2.00 U	5.0 U	2.00 U	2.0 U	5.0 U	2.00 U
Xylene, o-	µg/L	5[**B]	1.0 U	1.0 U	5.0 U	5.0 U	1.00 U	1.00 U	1.0 U	5.0 U	-	1.00 U	5.0 U	1.00 U	1.0 U	5.0 U	1.00 U
Xylenes, Total	µg/L	5[**B]	-	-	5.0 U	5.0 U	1.00 U	1.00 U	-	5.0 U	-	1.00 U	5.0 U	1.00 U	-	5.0 U	1.00 U
VOC - Tentatively Identified Compounds																	
Tentatively Identified Compound (TIC)	µg/L	n/v	Nonefound	Nonefound	NoneFound	NoneFound	Nonefound	Nonefound	Nonefound	NoneFound	-	Nonefound	NoneFound	Nonefound	Nonefound	NoneFound	Nonefound

Notes:

TOGS	NYSDEC TOGS 1.1.1 (Reissued June 1998 with errata in January 1999 and addenda in April 2000 and June 2004)
[A]	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Guidance
[B]	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Standards
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
**	The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in the TOGS table) applies to this substance.
[D]	Applies to the sum of cis- and trans-1,3-dichloropropene.
J	The reported result is an estimated value.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control critera. The presence or absence of the analyte cannot be verified.
UJ	Indicates estimated non-detect.

APPENDIX A

Historical Soil and Groundwater Analytical Results

Table A-1
Summary of Historical
Analytical Results in Soil
May 2011 and August 2012 Sampling
937 Genesee Street, Rochester, NY

Sample Location				B2		B3		B4		B6		B-9S	B-10S		B-11S	B-12S	B-13S	B-14S	B-15S	B-16S
Sample Date				23-May-11	23-May-11	24-May-11	24-May-11	23-May-11	23-May-11	23-May-11	23-May-11	20-Aug-12	20-Aug-12	20-Aug-12	20-Aug-12	20-Aug-12	20-Aug-12	20-Aug-12	20-Aug-12	20-Aug-12
Sample ID				B2 (4-4.8)	B2 (4-4.8)	B3 (6-8)	B3 (6-8)	B4 (7.5-8)	B4 (7.5-8)	B6 (7-8)	B6 (7-8)	B-9S	B-10S	B-10SDUP	B-11S	B-12S	B-13S	B-14S	B-15S	B-16S
Sample Depth				4 - 4.8 ft	4 - 4.8 ft	6 - 8 ft	6 - 8 ft	7.5 - 8 ft	7.5 - 8 ft	7 - 8 ft	7 - 8 ft				16 - 17.5 ft	8 - 12 ft	8 - 12 ft	8 - 12 ft	8 - 12 ft	8 - 12 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM
Laboratory Work Order				P11-2070	P11-2070R	P11-2085	P11-2085R	P11-2070	P11-2070R	P11-2070	P11-2070R	L1794	L1794	L1794	L1794	L1794	L1794	L1794	L1794	L1794
Laboratory Sample ID				7014	7014R	7057	7057R	7017	7017R	7016	7016R	L1794-01	L1794-02	L1794-02DUP	L1794-03	L1794-04	L1794-05	L1794-06	L1794-07	L1794-08
Sample Type	**Units**	**6NYCRR**	**NYSDEC**											Lab Replicate						
General Chemistry																				
Moisture Content	%	n/v	n/v	-	-	-	-	-	-	-	-	**8.0 J**	**12**	**14.63**	**11**	**13**	**8.0 J**	**9.4 J**	**14**	**15**
Petroleum Hydrocarbons																				
Heavy Weight PHC as: Lube Oil	µg/kg	n/v	n/v	-	-	-	**1180000**	-	**14200**	-	-	-	-	-	-	-	-	-	-	-
Light Weigth PHC as: Mineral Spirits	µg/kg	n/v	n/v	-	-	-	-	-	**228000**	-	**38400**	-	-	-	-	-	-	-	-	-
Medium Weight PHC as: Diesel Fuel	µg/kg	n/v	n/v	-	**1580000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Weight PHC as: Kerosene	µg/kg	n/v	n/v	-	-	-	**616000**	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Extractable Hydrocarbons	mg/kg	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**16**	-	-
Metals																				
Arsenic	mg/kg	16_g^{AB} 13_n^C	n/v	-	-	**3.78**	-	-	-	-	-	-	-	-	-	-	-	**5.4**	-	-
Barium	mg/kg	400^{AB} 350_n^C	n/v	-	-	**26.1**	-	-	-	-	-	-	-	-	-	-	-	**21 B**	-	-
Cadmium	mg/kg	9.3^A 4.3^B 2.5_n^C	n/v	-	-	0.499 U	-	-	-	-	-	-	-	-	-	-	-	0.21 U	-	-
Chromium (Total)	mg/kg	$_{NS,q}^A$ $_{NS,q}^B$ $_{NS,q}^C$	n/v	-	-	**5.11**	-	-	-	-	-	-	-	-	-	-	-	**7.1**	-	-
Lead	mg/kg	1000^A 400^B 63_n^C	n/v	-	-	**15.2**	-	-	-	-	-	-	-	-	-	-	-	**7.6**	-	-
Mercury	mg/kg	2.8_k^A 0.81_k^B 0.18_n^C	n/v	-	-	0.0085 U	-	-	-	-	-	-	-	-	-	-	-	**0.0034 J**	-	-
Selenium	mg/kg	1500^A 180^B 3.9_n^C	n/v	-	-	0.997 U	-	-	-	-	-	**1.7**	1.4 U	-	**1.5**	1.5 U	**1.1 J**	**0.76 J**	1.2 U	**1.1 J**
Silver	mg/kg	1500^A 180^B 2^C	n/v	-	-	0.997 U	-	-	-	-	-	-	-	-	-	-	-	1.2 U	-	-
Semi - Volatile Organic Compounds																				
Acenaphthene	µg/kg	500000_c^A 100000_b^B 20000^C	20000^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/kg	500000_c^A 100000_b^B 100000_a^C	100000^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/kg	500000_c^A 100000_b^B 100000_a^C	100000^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/kg	5600^A 1000_g^B 1000_n^C	1000^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/kg	1000_g^{AB} 1000_n^C	1000^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/kg	5600^A 1000_g^B 1000_n^C	1000^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/kg	500000_c^A 100000_b^{BC}	100000^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/kg	56000^A 3900^B 800_n^C	800^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/kg	56000^A 3900^B 1000_n^C	1000^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/kg	560^A 330_f^B 330_m^C	330^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/kg	500000_c^A 100000_b^B 100000_a^C	100000^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/kg	500000_c^A 100000_b^B 30000^C	30000^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	5600^A 500_g^B 500_n^C	500^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/kg	500000_c^A 100000_b^B 12000^C	12000^{DE}	-	-	**594**	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/kg	500000_c^A 100000_b^{BC}	100000^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/kg	500000_c^A 100000_b^{BC}	100000^E	-	-	312 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
Acetone	µg/kg	500000_c^A 100000_b^B 50^C	n/v	*138 U*	-	*114 U*	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	**6.2 J**	4.9 U	6.3 U	7.1 U	7.0 U
Benzene	µg/kg	44000^A 4800^B 60^C	60^{DE}	*138 U*	-	*114 U*	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Bromodichloromethane	µg/kg	500000_c^A 100000_b^B 100000_a^C	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Bromoform (Tribromomethane)	µg/kg	500000_c^A 100000_b^B 100000_a^C	n/v	346 U	-	284 U	-	1960 U	-	26.1 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Bromomethane (Methyl bromide)	µg/kg	500000_c^A 100000_b^B 100000_a^C	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Butylbenzene, n-	µg/kg	500000_c^A 100000_b^B 12000^C	12000^{DE}	**637**	-	**1020**	-	**855**	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	**2.7 J**	7.1 U	7.0 U
Butylbenzene, sec- (2-Phenylbutane)	µg/kg	500000_c^A 100000_b^B 11000^C	11000^{DE}	**232**	-	**518**	-	**1340**	-	**70.1**	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	**2.9 J**	7.1 U	7.0 U
Butylbenzene, tert-	µg/kg	500000_c^A 100000_b^B 5900^C	5900^{DE}	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Carbon Disulfide	µg/kg	500000_c^A 100000_b^B 100000_a^C	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	22000^A 2400^B 760^C	n/v	138 U	-	114 U	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U

See last page for notes.

Table A-1
Summary of Historical
Analytical Results in Soil
May 2011 and August 2012 Sampling
937 Genesee Street, Rochester, NY

Sample Location				B2		B3		B4		B6		B-9S	B-10S		B-11S	B-12S	B-13S	B-14S	B-15S	B-16S
Sample Date				23-May-11	23-May-11	24-May-11	24-May-11	23-May-11	23-May-11	23-May-11	23-May-11	20-Aug-12	20-Aug-12	20-Aug-12	20-Aug-12	20-Aug-12	20-Aug-12	20-Aug-12	20-Aug-12	20-Aug-12
Sample ID				B2 (4-4.8)	B2 (4-4.8)	B3 (6-8)	B3 (6-8)	B4 (7.5-8)	B4 (7.5-8)	B6 (7-8)	B6 (7-8)	B-9S	B-10S	B-10SDUP	B-11S	B-12S	B-13S	B-14S	B-15S	B-16S
Sample Depth				4 - 4.8 ft	4 - 4.8 ft	6 - 8 ft	6 - 8 ft	7.5 - 8 ft	7.5 - 8 ft	7 - 8 ft	7 - 8 ft				16 - 17.5 ft	8 - 12 ft	8 - 12 ft	8 - 12 ft	8 - 12 ft	8 - 12 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM
Laboratory Work Order				P11-2070	P11-2070R	P11-2085	P11-2085R	P11-2070	P11-2070R	P11-2070	P11-2070R	L1794	L1794	L1794	L1794	L1794	L1794	L1794	L1794	L1794
Laboratory Sample ID				7014	7014R	7057	7057R	7017	7017R	7016	7016R	L1794-01	L1794-02	L1794-02DUP	L1794-03	L1794-04	L1794-05	L1794-06	L1794-07	L1794-08
Sample Type	Units	6NYCRR	NYSDEC											Lab Replicate						
Volatile Organic Compounds																				
Chlorobenzene (Monochlorobenzene)	µg/kg	500000$_c$[A] 100000$_b$[B] 1100[C]	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Chloroethane (Ethyl Chloride)	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Chloroethyl Vinyl Ether, 2-	µg/kg	n/v	n/v	692 U	-	568 U	-	3920 U	-	52.3 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Chloroform (Trichloromethane)	µg/kg	350000[A] 49000[B] 370[C]	n/v	138 U	-	114 U	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Chloromethane	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Dibromochloromethane	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Dichlorobenzene, 1,2-	µg/kg	500000$_c$[A] 100000$_b$[B] 1100[C]	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Dichlorobenzene, 1,3-	µg/kg	280000[A] 49000[B] 2400[C]	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Dichlorobenzene, 1,4-	µg/kg	130000[AB] 1800[C]	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Dichloroethane, 1,1-	µg/kg	240000[A] 26000[B] 270[C]	n/v	138 U	-	114 U	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Dichloroethane, 1,2-	µg/kg	30000[A] 3100[B] 20$_m$[C]	n/v	*138 U*	-	*114 U*	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Dichloroethene, 1,1-	µg/kg	500000$_c$[A] 100000$_b$[B] 330[C]	n/v	138 U	-	114 U	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Dichloroethylene, cis-1,2-	µg/kg	500000$_c$[A] 100000$_b$[B] 250[C]	n/v	138 U	-	114 U	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Dichloroethylene, trans-1,2-	µg/kg	500000$_c$[A] 100000$_b$[B] 190[C]	n/v	138 U	-	114 U	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Dichloropropane, 1,2-	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Dichloropropene, cis-1,3-	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Dichloropropene, trans-1,3-	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Ethylbenzene	µg/kg	390000[A] 41000[BC]	1000[DE]	138 U	-	**1520[CDE]**	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	346 U	-	284 U	-	1960 U	-	26.1 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Isopropylbenzene	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	2300[DE]	138 U	-	**718**	-	784 U	-	**14.9**	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	**1.9 J**	7.1 U	7.0 U
Isopropyltoluene, p- (Cymene)	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	10000[DE]	**460**	-	**764**	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	**5.8 J**	7.1 U	7.0 U
Methyl Ethyl Ketone (MEK)	µg/kg	500000$_c$[A] 100000$_b$[B] 120[C]	n/v	*138 U*	-	114 U	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Methyl Isobutyl Ketone (MIBK)	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	346 U	-	284 U	-	1960 U	-	26.1 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Methyl tert-butyl ether (MTBE)	µg/kg	500000$_c$[A] 100000$_b$[B] 930[C]	930[D]	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Methylene Chloride (Dichloromethane)	µg/kg	500000$_c$[AC] 100000$_b$[B]	n/v	*346 U*	-	*284 U*	-	*1960 U*	-	26.1 U	-	6.3 U	5.5 U	-	5.6 U	**1.9 J**	**2.1 J**	6.3 U	**2.7 J**	7.0 U
Naphthalene	µg/kg	500000$_c$[A] 100000$_b$[B] 12000[C]	12000[DE]	**3830**	-	**1050**	-	1960 U	-	26.1 U	-	6.3 U	**2.5 J**	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Propylbenzene, n-	µg/kg	500000$_c$[A] 100000$_b$[B] 3900[C]	3900[DE]	**212**	-	**1190**	-	**1370**	-	**36.9**	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	**4.4 J**	7.1 U	7.0 U
Styrene	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	346 U	-	284 U	-	1960 U	-	26.1 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Tetrachloroethane, 1,1,2,2-	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Tetrachloroethylene (PCE)	µg/kg	150000[A] 19000[B] 1300[C]	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Toluene	µg/kg	500000$_c$[A] 100000$_b$[B] 700[C]	700[DE]	138 U	-	114 U	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	**1.7 J**	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Trichloroethane, 1,1,1-	µg/kg	500000$_c$[A] 100000$_b$[B] 680[C]	n/v	138 U	-	114 U	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Trichloroethane, 1,1,2-	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Trichloroethylene (TCE)	µg/kg	200000[A] 21000[B] 470[C]	n/v	138 U	-	114 U	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	n/v	138 U	-	114 U	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Trimethylbenzene, 1,2,4-	µg/kg	190000[A] 52000[B] 3600[C]	3600[DE]	**1660**	-	**9530[CDE]**	-	**1000**	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	**7.9**	7.1 U	7.0 U
Trimethylbenzene, 1,3,5-	µg/kg	190000[A] 52000[B] 8400[C]	8400[DE]	138 U	-	**2340**	-	784 U	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Vinyl Acetate	µg/kg	n/v	n/v	346 U	-	284 U	-	1960 U	-	26.1 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Vinyl chloride	µg/kg	13000[A] 900[B] 20[C]	n/v	*138 U*	-	*114 U*	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Xylene, m & p-	µg/kg	500000$_{c,p}$[A] 100000$_{b,p}$[B] 260$_p$[C]	n/v	138 U	-	**1940[C]**	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Xylene, o-	µg/kg	500000$_{c,p}$[A] 100000$_{b,p}$[B] 260$_p$[C]	n/v	138 U	-	114 U	-	*784 U*	-	10.5 U	-	6.3 U	5.5 U	-	5.6 U	6.3 U	4.9 U	6.3 U	7.1 U	7.0 U
Volatile Tentatively Identified Compounds																				
Total VOC TICs	µg/kg	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**234 JN**	-	-

See last page for notes.

Table A-1
Summary of Historical
Analytical Results in Soil
May 2011 and August 2012 Sampling
937 Genesee Street, Rochester, NY

Sample Location				B-18S		B-19 FILL		B-19S		SED1	
Sample Date				20-Aug-12	20-Aug-12	21-Aug-12	21-Aug-12	21-Aug-12	21-Aug-12	23-May-11	23-May-11
Sample ID				B-18S	B-18SDUP	BR-19 FILL	BR-19 FILLDUP	BR-19 S	BR-19 SDUP	SED1	SED1
Sample Depth				8 - 12 ft		0 - 2 ft		12 - 16 ft		2 - 3 ft	2 - 3 ft
Sampling Company				STANTEC		STANTEC		STANTEC		STANTEC	STANTEC
Laboratory				SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	PARAROCH	PARAROCH
Laboratory Work Order				L1794	L1794	L1803	L1803	L1803	L1803	P11-2070	P11-2070R
Laboratory Sample ID				L1794-10	L1794-10DUP	L1803-01	L1803-01DUP	L1803-02	L1803-02DUP	7013	7013R
Sample Type	Units	6NYCRR	NYSDEC		Lab Replicate		Lab Replicate		Lab Replicate		
General Chemistry											
Moisture Content	%	n/v	n/v	**11**	-	**17**	-	**12**	-	-	-
Petroleum Hydrocarbons											
Heavy Weight PHC as: Lube Oil	µg/kg	n/v	n/v	-	-	-	-	-	-	-	**1240000**
Light Weigth PHC as: Mineral Spirits	µg/kg	n/v	n/v	-	-	-	-	-	-	-	-
Medium Weight PHC as: Diesel Fuel	µg/kg	n/v	n/v	-	-	-	-	-	-	-	-
Medium Weight PHC as: Kerosene	µg/kg	n/v	n/v	-	-	-	-	-	-	-	**64200**
Total Extractable Hydrocarbons	mg/kg	n/v	n/v	-	-	-	-	-	-	-	-
Metals											
Arsenic	mg/kg	16_g^{AB} 13_n^{C}	n/v	**3.2**	**3.701**	**8.0**	-	-	-	-	-
Barium	mg/kg	400^{AB} 350_n^{C}	n/v	**21 B**	**22.01 B**	**53 B**	-	-	-	-	-
Cadmium	mg/kg	9.3^{A} 4.3^{B} 2.5_n^{C}	n/v	**0.041 J**	**0.07377 JR**	**0.28**	-	-	-	-	-
Chromium (Total)	mg/kg	$_{NS,q}^{A}$ $_{NS,q}^{B}$ $_{NS,q}^{C}$	n/v	**6.1**	**6.184**	**12 B**	-	-	-	-	-
Lead	mg/kg	1000^{A} 400^{B} 63_n^{C}	n/v	**7.2**	**11.03 R**	**140^{C}**	-	-	-	-	-
Mercury	mg/kg	2.8_k^{A} 0.81_k^{B} 0.18_n^{C}	n/v	0.038 U	-	**0.28^{C}**	**0.09892 R**	-	-	-	-
Selenium	mg/kg	1500^{A} 180^{B} 3.9_n^{C}	n/v	**0.68 J**	**0.8537 JR**	1.7 U	-	**1.4**	**1.449**	-	-
Silver	mg/kg	1500^{A} 180^{B} 2^{C}	n/v	1.1 U	1.1 U	1.7 U	-	-	-	-	-
Semi - Volatile Organic Compounds											
Acenaphthene	µg/kg	500000_c^{A} 100000_b^{B} 20000^{C}	20000^{E}	-	-	390 U	-	-	-	-	-
Acenaphthylene	µg/kg	500000_c^{A} 100000_b^{B} 100000_a^{C}	100000^{E}	-	-	-	-	-	-	-	-
Anthracene	µg/kg	500000_c^{A} 100000_b^{B} 100000_a^{C}	100000^{E}	-	-	390 U	-	-	-	-	-
Benzo(a)anthracene	µg/kg	5600^{A} 1000_g^{B} 1000_n^{C}	1000^{E}	-	-	**130 J**	-	-	-	-	-
Benzo(a)pyrene	µg/kg	1000_g^{AB} 1000_n^{C}	1000^{E}	-	-	**180 J**	-	-	-	-	-
Benzo(b)fluoranthene	µg/kg	5600^{A} 1000_g^{B} 1000_n^{C}	1000^{E}	-	-	**570**	-	-	-	-	-
Benzo(g,h,i)perylene	µg/kg	500000_c^{A} 100000_b^{BC}	100000^{E}	-	-	**700**	-	-	-	-	-
Benzo(k)fluoranthene	µg/kg	56000^{A} 3900^{B} 800_n^{C}	800^{E}	-	-	**190 J**	-	-	-	-	-
Chrysene	µg/kg	56000^{A} 3900^{B} 1000_n^{C}	1000^{E}	-	-	**250 J**	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/kg	560^{A} 330_f^{B} 330_m^{C}	330^{E}	-	-	*390 U*	-	-	-	-	-
Fluoranthene	µg/kg	500000_c^{A} 100000_b^{B} 100000_a^{C}	100000^{E}	-	-	**160 J**	-	-	-	-	-
Fluorene	µg/kg	500000_c^{A} 100000_b^{B} 30000^{C}	30000^{E}	-	-	390 U	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/kg	5600^{A} 500_g^{B} 500_n^{C}	500^{E}	-	-	**510^{BCE}**	-	-	-	-	-
Naphthalene	µg/kg	500000_c^{A} 100000_b^{B} 12000^{C}	12000^{DE}	-	-	390 U	-	-	-	-	-
Phenanthrene	µg/kg	500000_c^{A} 100000_b^{BC}	100000^{E}	-	-	**120 J**	-	-	-	-	-
Pyrene	µg/kg	500000_c^{A} 100000_b^{BC}	100000^{E}	-	-	**230 J**	-	-	-	-	-
Volatile Organic Compounds											
Acetone	µg/kg	500000_c^{A} 100000_b^{B} 50^{C}	n/v	5.2 U	-	-	-	5.4 U	-	**1080^{C}**	-
Benzene	µg/kg	44000^{A} 4800^{B} 60^{C}	60^{DE}	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Bromodichloromethane	µg/kg	500000_c^{A} 100000_b^{B} 100000_a^{C}	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Bromoform (Tribromomethane)	µg/kg	500000_c^{A} 100000_b^{B} 100000_a^{C}	n/v	5.2 U	-	-	-	5.4 U	-	39.9 U	-
Bromomethane (Methyl bromide)	µg/kg	500000_c^{A} 100000_b^{B} 100000_a^{C}	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Butylbenzene, n-	µg/kg	500000_c^{A} 100000_b^{B} 12000^{C}	12000^{DE}	5.2 U	-	-	-	5.4 U	-	**57.9**	-
Butylbenzene, sec- (2-Phenylbutane)	µg/kg	500000_c^{A} 100000_b^{B} 11000^{C}	11000^{DE}	**2.7 J**	-	-	-	5.4 U	-	**34.4**	-
Butylbenzene, tert-	µg/kg	500000_c^{A} 100000_b^{B} 5900^{C}	5900^{DE}	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Carbon Disulfide	µg/kg	500000_c^{A} 100000_b^{B} 100000_a^{C}	n/v	5.2 U	-	-	-	5.4 U	-	**18.0**	-
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	22000^{A} 2400^{B} 760^{C}	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-

See last page for notes.

Table A-1
Summary of Historical
Analytical Results in Soil
May 2011 and August 2012 Sampling
937 Genesee Street, Rochester, NY

Sample Location				B-18S		B-19 FILL		B-19S		SED1	
Sample Date				20-Aug-12	20-Aug-12	21-Aug-12	21-Aug-12	21-Aug-12	21-Aug-12	23-May-11	23-May-11
Sample ID				B-18S	B-18SDUP	BR-19 FILL	BR-19 FILLDUP	BR-19 S	BR-19 SDUP	SED1	SED1
Sample Depth				8 - 12 ft		0 - 2 ft		12 - 16 ft		2 - 3 ft	2 - 3 ft
Sampling Company				STANTEC		STANTEC		STANTEC		STANTEC	STANTEC
Laboratory				SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	PARAROCH	PARAROCH
Laboratory Work Order				L1794	L1794	L1803	L1803	L1803	L1803	P11-2070	P11-2070R
Laboratory Sample ID				L1794-10	L1794-10DUP	L1803-01	L1803-01DUP	L1803-02	L1803-02DUP	7013	7013R
Sample Type	Units	6NYCRR	NYSDEC		Lab Replicate		Lab Replicate		Lab Replicate		
Volatile Organic Compounds											
Chlorobenzene (Monochlorobenzene)	µg/kg	500000$_c$[A] 100000$_b$[B] 1100[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Chloroethane (Ethyl Chloride)	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Chloroethyl Vinyl Ether, 2-	µg/kg	n/v	n/v	5.2 U	-	-	-	5.4 U	-	79.7 U	-
Chloroform (Trichloromethane)	µg/kg	350000[A] 49000[B] 370[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Chloromethane	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Dibromochloromethane	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Dichlorobenzene, 1,2-	µg/kg	500000$_c$[A] 100000$_b$[B] 1100[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Dichlorobenzene, 1,3-	µg/kg	280000[A] 49000[B] 2400[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Dichlorobenzene, 1,4-	µg/kg	130000[AB] 1800[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Dichloroethane, 1,1-	µg/kg	240000[A] 26000[B] 270[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Dichloroethane, 1,2-	µg/kg	30000[A] 3100[B] 20$_m$[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Dichloroethene, 1,1-	µg/kg	500000$_c$[A] 100000$_b$[B] 330[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Dichloroethylene, cis-1,2-	µg/kg	500000$_c$[A] 100000$_b$[B] 250[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Dichloroethylene, trans-1,2-	µg/kg	500000$_c$[A] 100000$_b$[B] 190[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Dichloropropane, 1,2-	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Dichloropropene, cis-1,3-	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Dichloropropene, trans-1,3-	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Ethylbenzene	µg/kg	390000[A] 41000[BC]	1000[DE]	**1.1 J**	-	-	-	5.4 U	-	**21.0**	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	5.2 U	-	-	-	5.4 U	-	39.9 U	-
Isopropylbenzene	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	2300[DE]	**1.5 J**	-	-	-	5.4 U	-	**17.9**	-
Isopropyltoluene, p- (Cymene)	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	10000[DE]	5.2 U	-	-	-	5.4 U	-	**89.1**	-
Methyl Ethyl Ketone (MEK)	µg/kg	500000$_c$[A] 100000$_b$[B] 120[C]	n/v	5.2 U	-	-	-	5.4 U	-	**284**[C]	-
Methyl Isobutyl Ketone (MIBK)	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	5.2 U	-	-	-	5.4 U	-	39.9 U	-
Methyl tert-butyl ether (MTBE)	µg/kg	500000$_c$[A] 100000$_b$[B] 930[C]	930[D]	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Methylene Chloride (Dichloromethane)	µg/kg	500000$_c$[AC] 100000$_b$[B]	n/v	**3.4 BJ**	-	-	-	**4.0 BJ**	-	39.9 U	-
Naphthalene	µg/kg	500000$_c$[A] 100000$_b$[B] 12000[C]	12000[DE]	5.2 U	-	-	-	5.4 U	-	**264**	-
Propylbenzene, n-	µg/kg	500000$_c$[A] 100000$_b$[B] 3900[C]	3900[DE]	**1.2 J**	-	-	-	5.4 U	-	**44.5**	-
Styrene	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	5.2 U	-	-	-	5.4 U	-	39.9 U	-
Tetrachloroethane, 1,1,2,2-	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Tetrachloroethylene (PCE)	µg/kg	150000[A] 19000[B] 1300[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Toluene	µg/kg	500000$_c$[A] 100000$_b$[B] 700[C]	700[DE]	5.2 U	-	-	-	**2.3 J**	-	15.9 U	-
Trichloroethane, 1,1,1-	µg/kg	500000$_c$[A] 100000$_b$[B] 680[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Trichloroethane, 1,1,2-	µg/kg	500000$_c$[A] 100000$_b$[B] 100000$_a$[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Trichloroethylene (TCE)	µg/kg	200000[A] 21000[B] 470[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Trichlorofluoromethane (Freon 11)	µg/kg	n/v	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Trimethylbenzene, 1,2,4-	µg/kg	190000[A] 52000[B] 3600[C]	3600[DE]	**1.1 J**	-	-	-	5.4 U	-	**1540**	-
Trimethylbenzene, 1,3,5-	µg/kg	190000[A] 52000[B] 8400[C]	8400[DE]	5.2 U	-	-	-	5.4 U	-	**17.9**	-
Vinyl Acetate	µg/kg	n/v	n/v	5.2 U	-	-	-	5.4 U	-	39.9 U	-
Vinyl chloride	µg/kg	13000[A] 900[B] 20[C]	n/v	5.2 U	-	-	-	5.4 U	-	15.9 U	-
Xylene, m & p-	µg/kg	500000$_{c,p}$[A] 100000$_{b,p}$[B] 260$_p$[C]	n/v	5.2 U	-	-	-	5.4 U	-	**76.9**	-
Xylene, o-	µg/kg	500000$_{c,p}$[A] 100000$_{b,p}$[B] 260$_p$[C]	n/v	5.2 U	-	-	-	5.4 U	-	**225**	-
Volatile Tentatively Identified Compounds											
Total VOC TICs	µg/kg	n/v	n/v	**236.6 JN**	-	-	-	-	-	-	-

See last page for notes.

Table A-1
Summary of Historical
Analytical Results in Soil
May 2011 and August 2012 Sampling
937 Genesee Street, Rochester, NY

Notes:

6NYCRR	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Commercial
B	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Restricted Residential
C	NYSDEC 6 NYCRR Part 375 - Unrestricted Use Soil Cleanup Objectives
NYSDEC	New York State Department of Environmental Conservation, DEC Policy CP-51, October 21, 2010
D	Table 2 Soil Cleanup Levels for Gasoline Contaminated Soils
E	Table 3 Soil Cleanup Levels for Fuel Oil Contaminated Soil
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
NS,q[BC]	No SCO has been established for this compound. No SCO has been established for total chromium; however, see standards for trivalent and hexavalent chromium.
NS,q[A]	No SCO has been established for this compound. No SCO has been established for total chromium; however, see standards for trivalent and hexavalent chromium. For commercial use, these are 1500 and 400 mg/kg respectively.
a	The SCOs for unrestricted use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3
b	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
b,p	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3. The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
c	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See TSD Section 9.3.
c,p	The SCOs for commercial use were capped at a maximum value of 500 mg/kg. See TSD Section 9.3. The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
f	For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value.
g[AB]	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
k[AB]	This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See 6 NYCRR Part 375 TSD Table 5.6-1.
m	For constituents where the calculated SCO was lower than the Contract Required Quantitation Limit (CRQL), the CRQL is used as the Track 1 SCO value.
n	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.
p	The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
B	Indicates analyte was found in associated blank, as well as in the sample.
J	Indicates estimated value.
N	Indicates presumptive evidence of a compound. Identification of tentatively identified compound is based on a mass spectral library search.
R	RPD outside accepted recovery limits

Table A-2
Summary of Historical
Analytical Results in Groundwater
June 2011 and August 2012 Sampling
937 Genesee Street, Rochester, NY

Sample Location			MW-3			MW-6			MW-7		MW-11	MW-12	MW-13	MW-14	MW-18	MW-19D		Trip Blank	
Sample Date			3-Jun-11	3-Jun-11	28-Aug-12	3-Jun-11	3-Jun-11	27-Aug-12	3-Jun-11	28-Aug-12	28-Aug-12	27-Aug-12	27-Aug-12	28-Aug-12	28-Aug-12	27-Aug-12	3-Jun-11	27-Aug-12	28-Aug-12
Sample ID			MW-3-GW	MW-3-GW	MW-3-W	MW-6-GW	MW-6-GW	MW-6-W	MW-7-GW	MW-7-W	MW-11-W	MW-12-W	MW-13-W	MW-14-W	MW-18-W	MW-19D-W	Trip Blank	TB-082712	TB-082812
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	SPECTRUM	PARAROCH	PARAROCH	SPECTRUM	PARAROCH	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	PARAROCH	SPECTRUM	SPECTRUM
Laboratory Work Order			P11-2234	P11-2234R	L1835	P11-2234	P11-2234R	L1826	P11-2234	L1835	L1835	L1826	L1826	L1835	L1835	L1826	P11-2234	L1826	L1835
Laboratory Sample ID			7482	7482R	L1835-02	7483	7483R	L1826-04	7481	L1835-03	L1835-01	L1826-02	L1826-03	L1835-05	L1835-04	L1826-01	7480	L1826-05	L1835-06
Sample Type	Units	TOGS															Trip Blank	Trip Blank	Trip Blank
General Chemistry																			
Nitrate (as N)	mg/L	10[B]	-	-	**0.13**	-	-	-	-	-	0.05 U	-	-	0.05 U	-	**0.26**	-	-	-
Nitrite	mg/L	n/v	-	-	0.02 U	-	-	-	-	-	0.02 U	-	-	0.02 U	-	0.02 U	-	-	-
Nitrite/Nitrate	mg/L	n/v	-	-	**0.14**	-	-	-	-	-	0.05 U	-	-	0.05 U	-	**0.26**	-	-	-
Sulfate	mg/L	250[B]	-	-	**56.1**	-	-	-	-	-	**121**	-	-	**146**	-	**132**	-	-	-
Petroleum Hydrocarbons																			
Medium Weight PHC as: Diesel Fuel	µg/L	n/v	-	**346**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium Weight PHC as: Kerosene	µg/L	n/v	-	**696**	-	-	**598**	-	-	-	-	-	-	-	-	-	-	-	-
Total Extractable Hydrocarbons	mg/L	n/v	-	-	**1.6**	-	-	**0.33**	-	-	-	-	-	**0.28**	-	-	-	-	-
Metals																			
Arsenic	mg/L	0.025[B]	0.010 U	-	-	0.010 U	-	-	0.010 U	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	1[B]	**0.153**	-	-	**0.126 M**	-	-	0.100 U	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	0.005[B]	0.005 U	-	-	**0.005 M**	-	-	0.005 U	-	-	-	-	-	-	-	-	-	-
Chromium (Total)	mg/L	0.05[B]	0.010 U	-	-	0.010 U	-	-	0.010 U	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	0.025[B]	0.010 U	-	-	**0.010 M**	-	-	0.010 U	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	0.0007[B]	0.0002 U	-	-	0.0002 U	-	-	0.0002 U	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	0.01[B]	0.010 U	-	*0.030 U*	0.010 U	-	*0.030 U*	**0.018[B]**	*0.030 U*	*0.030 U*	*0.030 U*	*0.030 U*	*0.030 U*	*0.030 U*	*0.030 U*	-	-	-
Silver	mg/L	0.05[B]	0.010 U	-	-	0.010 U	-	-	0.010 U	-	-	-	-	-	-	-	-	-	-
Semi - Volatile Organic Compounds																			
Acenaphthene	µg/L	20[B]	10.0 U	-	-	10.0 U	-	-	10.0 U	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	n/v	10.0 U	-	-	10.0 U	-	-	10.0 U	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	50[A]	10.0 U	-	-	10.0 U	-	-	10.0 U	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002[A]	*10.0 U*	-	-	*10.0 U*	-	-	*10.0 U*	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	n/v	10.0 U	-	-	10.0 U	-	-	10.0 U	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	0.002[A]	*10.0 U*	-	-	*10.0 U*	-	-	*10.0 U*	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	n/v	10.0 U	-	-	10.0 U	-	-	10.0 U	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	0.002[A]	*10.0 U*	-	-	*10.0 U*	-	-	*10.0 U*	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	0.002[A]	*10.0 U*	-	-	*10.0 U*	-	-	*10.0 U*	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	n/v	10.0 U	-	-	10.0 U	-	-	10.0 U	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	50[A]	10.0 U	-	-	10.0 U	-	-	10.0 U	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	50[A]	10.0 U	-	-	10.0 U	-	-	10.0 U	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002[A]	*10.0 U*	-	-	*10.0 U*	-	-	*10.0 U*	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	10[B]	10.0 U	-	-	10.0 U	-	-	10.0 U	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	50[A]	10.0 U	-	-	10.0 U	-	-	10.0 U	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	50[A]	10.0 U	-	-	10.0 U	-	-	10.0 U	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
Acetone	µg/L	50[A]	10.0 U	-	5.0 U	10.0 U	-	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U
Benzene	µg/L	1[B]	**6.43[B]**	-	**1.9 J[B]**	**0.703**	-	*5.0 U*	0.700 U	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	**0.77 J**	*5.0 U*	*5.0 U*	0.700 U	*5.0 U*	*5.0 U*
Bromodichloromethane	µg/L	50[A]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Bromoform (Tribromomethane)	µg/L	50[A]	5.00 U	-	5.0 U	5.00 U	-	5.0 U	5.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.00 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5..[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Butylbenzene, n-	µg/L	5..[B]	2.00 U	-	**2.1 J**	**2.28**	-	**0.62 J**	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	**1.5 J**	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5..[B]	**3.78**	-	**3.1 J**	**20.9[B]**	-	**12[B]**	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	**2.7 J**	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Butylbenzene, tert-	µg/L	5..[B]	2.00 U	-	5.0 U	**4.03**	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Carbon Disulfide	µg/L	60[A]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Chlorobenzene (Monochlorobenzene)	µg/L	5..[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Chloroethane (Ethyl Chloride)	µg/L	5..[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	10.0 U	-	5.0 U	10.0 U	-	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	7[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Chloromethane	µg/L	5..[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	50[A]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Dichlorobenzene, 1,2-	µg/L	3[B]	2.00 U	-	*5.0 U*	2.00 U	-	*5.0 U*	2.00 U	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	2.00 U	*5.0 U*	*5.0 U*
Dichlorobenzene, 1,3-	µg/L	3[B]	2.00 U	-	*5.0 U*	2.00 U	-	*5.0 U*	2.00 U	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	2.00 U	*5.0 U*	*5.0 U*

See next page for notes.

Table A-2
Summary of Historical
Analytical Results in Groundwater
June 2011 and August 2012 Sampling
937 Genesee Street, Rochester, NY

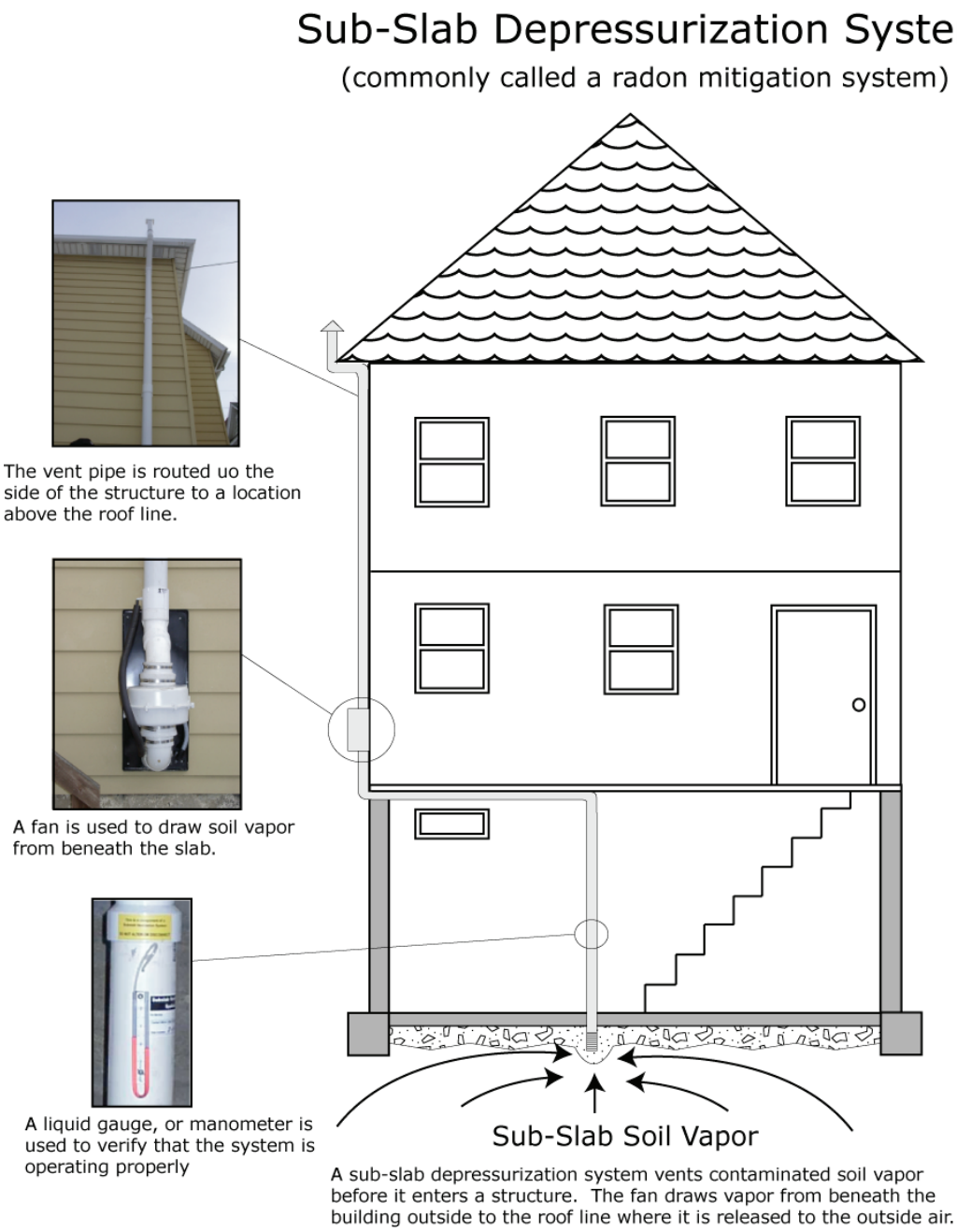
Sample Location			MW-3			MW-6			MW-7		MW-11	MW-12	MW-13	MW-14	MW-18	MW-19D		Trip Blank	
Sample Date			3-Jun-11	3-Jun-11	28-Aug-12	3-Jun-11	3-Jun-11	27-Aug-12	3-Jun-11	28-Aug-12	28-Aug-12	27-Aug-12	27-Aug-12	28-Aug-12	28-Aug-12	27-Aug-12	3-Jun-11	27-Aug-12	28-Aug-12
Sample ID			MW-3-GW	MW-3-GW	MW-3-W	MW-6-GW	MW-6-GW	MW-6-W	MW-7-GW	MW-7-W	MW-11-W	MW-12-W	MW-13-W	MW-14-W	MW-18-W	MW-19D-W	Trip Blank	TB-082712	TB-082812
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	SPECTRUM	PARAROCH	PARAROCH	SPECTRUM	PARAROCH	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	SPECTRUM	PARAROCH	SPECTRUM	SPECTRUM
Laboratory Work Order			P11-2234	P11-2234R	L1835	P11-2234	P11-2234R	L1826	P11-2234	L1835	L1835	L1826	L1826	L1835	L1835	L1826	P11-2234	L1826	L1835
Laboratory Sample ID			7482	7482R	L1835-02	7483	7483R	L1826-04	7481	L1835-03	L1835-01	L1826-02	L1826-03	L1835-05	L1835-04	L1826-01	7480	L1826-05	L1835-06
Sample Type	Units	TOGS															Trip Blank	Trip Blank	Trip Blank
Volatile Organic Compounds (cont'd)																			
Dichlorobenzene, 1,4-	µg/L	3[B]	2.00 U	-	*5.0 U*	2.00 U	-	*5.0 U*	2.00 U	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	2.00 U	*5.0 U*	*5.0 U*
Dichloroethane, 1,1-	µg/L	5,,[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Dichloroethane, 1,2-	µg/L	0.6[B]	*2.00 U*	-	*5.0 U*	*2.00 U*	-	*5.0 U*	*2.00 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*2.00 U*	*5.0 U*	*5.0 U*
Dichloroethene, 1,1-	µg/L	5,,[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Dichloroethylene, cis-1,2-	µg/L	5,,[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Dichloroethylene, trans-1,2-	µg/L	5,,[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Dichloropropane, 1,2-	µg/L	1[B]	*2.00 U*	-	*5.0 U*	*2.00 U*	-	*5.0 U*	*2.00 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*2.00 U*	*5.0 U*	*5.0 U*
Dichloropropene, cis-1,3-	µg/L	0.4$_p$[B]	*2.00 U*	-	*5.0 U*	*2.00 U*	-	*5.0 U*	*2.00 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*2.00 U*	*5.0 U*	*5.0 U*
Dichloropropene, trans-1,3-	µg/L	0.4$_p$[B]	*2.00 U*	-	*5.0 U*	*2.00 U*	-	*5.0 U*	*2.00 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*2.00 U*	*5.0 U*	*5.0 U*
Ethylbenzene	µg/L	5,,[B]	**54.8**[B]	-	**71**[B]	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	**3.4 J**	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	5.00 U	-	5.0 U	5.00 U	-	5.0 U	5.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.00 U	5.0 U	5.0 U
Isopropylbenzene	µg/L	5,,[B]	**18.5**[B]	-	**14**[B]	**6.37**[B]	-	**2.0 J**	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	**9.6**[B]	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Isopropyltoluene, p- (Cymene)	µg/L	5,,[B]	**4.85**	-	5.0 U	**5.42**[B]	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Methyl Ethyl Ketone (MEK)	µg/L	50[A]	10.0 U	-	5.0 U	10.0 U	-	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5.00 U	-	5.0 U	5.00 U	-	5.0 U	5.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.00 U	5.0 U	5.0 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Methylene Chloride (Dichloromethane)	µg/L	5,,[B]	5.00 U	-	5.0 U	5.00 U	-	5.0 U	5.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.00 U	5.0 U	5.0 U
Naphthalene	µg/L	10[B]	**7.97**	-	**8.8**	5.00 U	-	5.0 U	5.00 U	5.0 U	5.0 U	5.0 U	5.0 U	**2.2 J**	5.0 U	5.0 U	5.00 U	5.0 U	5.0 U
Propylbenzene, n-	µg/L	5,,[B]	**15.5**[B]	-	**13**[B]	**11.5**[B]	-	**1.8 J**	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	**11**[B]	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Styrene	µg/L	5,,[B]	5.00 U	-	5.0 U	5.00 U	-	5.0 U	5.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.00 U	5.0 U	5.0 U
Tetrachloroethane, 1,1,2,2-	µg/L	5,,[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Tetrachloroethylene (PCE)	µg/L	5,,[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Toluene	µg/L	5,,[B]	**7.01**[B]	-	**1.4 J**	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	**0.78 J**	5.0 U	**0.56 J**	2.00 U	5.0 U	5.0 U
Trichloroethane, 1,1,1-	µg/L	5,,[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Trichloroethane, 1,1,2-	µg/L	1[B]	*2.00 U*	-	*5.0 U*	*2.00 U*	-	*5.0 U*	*2.00 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*2.00 U*	*5.0 U*	*5.0 U*
Trichloroethylene (TCE)	µg/L	5,,[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Trichlorofluoromethane (Freon 11)	µg/L	5,,[B]	2.00 U	-	5.0 U	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Trimethylbenzene, 1,2,4-	µg/L	5,,[B]	**60.7**[B]	-	**95**[B]	**14.5**[B]	-	5.0 U	2.00 U	**0.60 J**	5.0 U	5.0 U	5.0 U	**22**[B]	5.0 U	**0.69 J**	2.00 U	5.0 U	5.0 U
Trimethylbenzene, 1,3,5-	µg/L	5,,[B]	**55.7**[B]	-	**15**[B]	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	**2.1 J**	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Vinyl Acetate	µg/L	n/v	5.00 U	-	5.0 U	5.00 U	-	5.0 U	5.00 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.00 U	5.0 U	5.0 U
Vinyl chloride	µg/L	2[B]	2.00 U	-	*5.0 U*	2.00 U	-	*5.0 U*	2.00 U	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	*5.0 U*	2.00 U	*5.0 U*	*5.0 U*
Xylene, m & p-	µg/L	5,,[B]	**86.8**[B]	-	**90**[B]	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	**5.4**[B]	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Xylene, o-	µg/L	5,,[B]	**7.99**[B]	-	**2.6 J**	2.00 U	-	5.0 U	2.00 U	5.0 U	5.0 U	5.0 U	5.0 U	**0.65 J**	5.0 U	5.0 U	2.00 U	5.0 U	5.0 U
Volatile Tentatively Identified Compounds																			
Total VOC TICs	µg/L	n/v	-	-	**317 JN**	-	-	**84 JN**	-	-	-	-	-	**236 JN**	-	-	-	-	-

Notes:

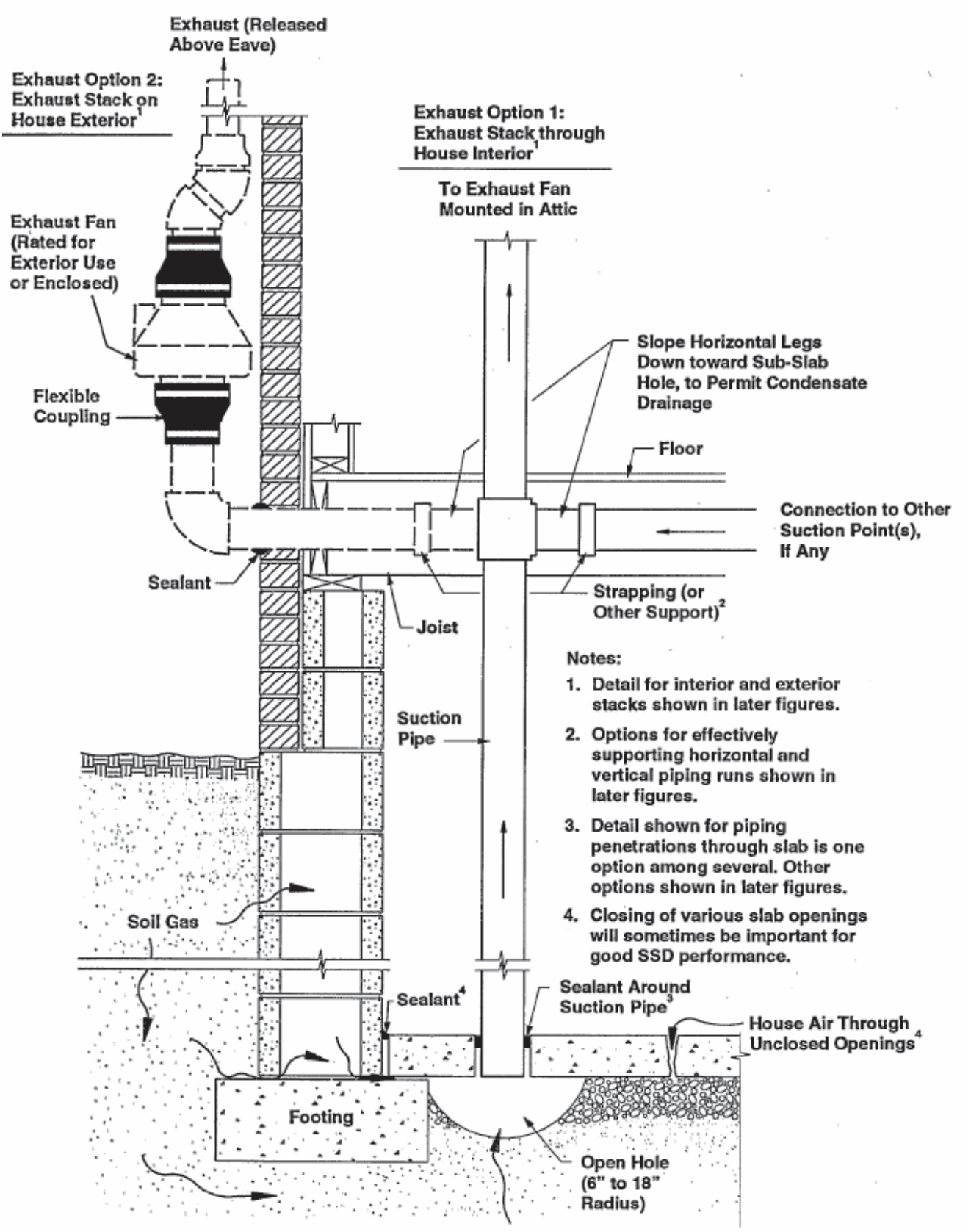
TOGS	NYSDEC TOGS 1.1.1 (Reissued June 1998 with errata in January 1999 and addenda in April 2000 and June 2004)
A	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Guidance
B	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Standards
6.5[A]	Concentration exceeds the indicated standard.
15.2	Concentration was detected but did not exceed applicable standards.
0.50 U	Laboratory estimated quantitation limit exceeded standard.
0.03 U	The analyte was not detected above the laboratory estimated quantitation limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
,,	The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in the TOGS table) applies to this substance.
p	Applies to the sum of cis- and trans-1,3-dichloropropene.
x	Topsoil: surface A, L, F, H and O horizons on the control area, or the equivalent surface soil where these horizons are not present.
J	Indicates estimated value.
M	Denotes matrix spike recoveries outside QC limits. Matrix bias indicated.
N	Indicates presumptive evidence of a compound. Identification of tentatively identified compound is based on a mass spectral library search.

APPENDIX B

Soil Vapor Intrusion Mitigation Guidance



Excerpt from *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, New York State Department of Health, 2010.



Sub-slab depressurization (SSD) using pipes inserted down through the slab from indoors.

Excerpt from *Technical Guidance (Third Edition) for Active Soil Depressurization Systems*, USEPA, 1993.