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August 5, 2013

Mr. Steven Coury
Kasowitz, Benson, Torres & Friedman LLP
1633 Broadway
New York, New York, 10019

Re: Addendum to Phase I Environmental Site Assessment and New York State Department of Environmental Conservation Regulatory File Review
Southside Plaza
708-744 Foote Avenue, Jamestown, New York
EBI Project No. 12130137

Dear Mr. Coury:

EBI Consulting (EBI) is pleased to present this Addendum to the Phase I Environmental Site Assessment, dated December 21, 2013, completed for the above referenced Subject Property (EBI Project No. 11127352). The purpose of this Addendum is to summarize the findings of a regulatory file review conducted at the New York State Department of Environmental Conservation (NYSDEC) regarding the Subject Property's RCRA and Brownfields listings, associated with historical operations at the Subject Property.

1.0 BACKGROUND INFORMATION

The Findings and Recommendations of EBI's December 2012 Phase I ESA included the following:

- The Subject Property was historically occupied by a gasoline filling station (currently the location of a McDonald's restaurant) in the northern portion of the Subject Property and an on-site dry cleaner (736 Foote Avenue, southern area of the Subject Property). The Subject Property is identified as a Brownfields site, with identified groundwater contamination by PCE, TCE, and breakdown products. The Subject Property is also listed as a RCRA non-generator (former RCRA-LQG) of halogenated solvents, which include PCE and TCE. EBI observed six 55-gallon drums along the rear wall of the subject building, which are anticipated to be associated with subsurface investigation or groundwater extraction activities at the Subject Property. EBI also observed several groundwater monitoring wells throughout the Subject Property at the time of inspection. These wells are anticipated to have been installed to delineate the extent of groundwater contamination across the Subject Property, in association with the Brownfields listing. The historical gasoline filling station and on-site dry cleaner, as well as the expected associated RCRA and Brownfields listing for the Subject Property, are considered a REC.

2.0 REGULATORY FILE REVIEW

On August 2, 2013, EBI reviewed available electronic files associated with the Southside Plaza Brownfield site provided by the NYSDEC Region 9 office. Relevant reports, regulatory correspondence, and other documentation are summarized as follows:

Report on April 2011 Site Investigation, Southside Plaza, 704-744 Foote Avenue, Jamestown, New York (NYSDEC Site Code. C907043), prepared by Apex Companies, LLC (Apex) of Cincinnati, Ohio, dated May 18, 2011

Background

- Previous Phase I Assessments completed by others identified a dry cleaner and former gas station on the Site. Subsurface soil gas and sub-slab vapor sampling was conducted in August 2008 in the reported area of the former drycleaner, and soil and groundwater sampling was conducted in the area of the former gas station. The 2008 investigation identified Tetrachloroethene (PCE) and Trichloroethene (TCE) in subsurface and sub-slab vapor samples, and PCE in groundwater. As a result of these findings and new information regarding the suspected location of a former dry cleaner, further subsurface investigation was conducted in March 2010. The investigation included additional soil and groundwater sampling as well as indoor air and sub-slab vapor sampling. The March 2010 study reported detections of PCE in groundwater at four of the five sample locations at concentrations higher than previously found.

Findings

- With the exception of low levels of TCE at MW-3, low levels of PCE at MW-3 and MW-7, and methylene chloride detected in all samples, no VOCs are present above MDLs in the soil samples.

- PCE, TCE, cis-1,2-DCE, and vinyl chloride were present in groundwater at levels that exceed the groundwater standard of 5μg/L for PCE, TCE, and cis-1,2-DCE and 2 μg/L for vinyl chloride.

- The highest concentrations of PCE and TCE were 2,300 μg/L and 39 μg/L, respectively, at MW-2, located near the former on-site dry cleaner.

- The second highest concentrations of PCE and TCE were 1,200 μg/L and 28 μg/L, respectively, at MW-6, located immediately downgradient from the former off-site dry cleaner and upgradient from the former on-site dry cleaner.

- Levels of PCE in the wells located along the downgradient property line (MW-1, MW-3, and MW-5) ranged from 110 μg/L to 210 μg/L, and levels of TCE ranged from 4.2 μg/L to 9.4 μg/L.

- PCE was detected in the well located cross-gradient from the former on-site drycleaner along the western property line (MW-7) at a concentration of 1.0 μg/L, well below the groundwater standard.

- No halogenated VOCs were detected above their associated MDLs in the well located upgradient from the former on-site and former off-site dry cleaners (MW-4).

The distribution and levels of halogenated VOCs in groundwater suggest that the plume of PCE and TCE may originate south of the southernmost property boundary. The plume extends to the northernmost property line, and along the diagonal property line that extends in the southeast and northwest orientation. Concentrations of PCE and TCE appear to be highest in the immediate vicinity of MW-2 and MW-6 then decrease by an order of magnitude in downgradient wells.

The concentration distribution appears to be consistent with a plume that emanates from a source area near the location of the former off-site dry cleaner. This observation is based on the levels of PCE at

MW-6, which is slightly up-gradient and cross-gradient from the location of the former on-site dry cleaner. Groundwater flow direction on the Subject Property was determined to be to the northeast.

Recommendations

Based on levels and distribution of PCE and TCE in groundwater and the relatively high concentration of PCE and TCE up-gradient and cross-gradient from the formerly suspected onsite source area, it was recommended that additional monitoring wells be installed off-site to the south of the southern-most property line. Groundwater elevations over the complete well network will be used to verify the shallow groundwater gradient in the vicinity of the potential source areas, and sampling results will assist in locating the source area from which the groundwater plume is emanating. Since the recommended wells are located off-Site, an access and entry agreement would be required from the adjacent property owner. Because the adjacent property owner to the south will not grant access for monitoring well installations, it was recommended that Southside Plaza apply for entry into a state cleanup program where access necessary to delineate the contaminant plume can be mandated by the regulatory authority.

Interim Remedial Action Work Plan, Southside Station, Inc. and 704-744 Foote Avenue, Jamestown, New York, (NYSDEC Site Code. C907043), prepared by Apex Companies, LLC (Apex) of Cincinnati, Ohio, dated January 16, 2013

- The objective of the Interim Remedial Action Work Plan was to outline the design, installation and monitoring of a Sub-Slab Depressurization System (SSDS) to be installed in the Southside Station, Inc. building located at 704-744 Foote Avenue in Jamestown, New York.

- The SSDS for the Subject Property will consist of three (3) suction points constructed of 3- inch Schedule 40 PVC pipe originating in one cubic-foot sub-slab cavities sealed at the concrete surface, where practical. These sub-slab cavities will be located along the southern boundary of the Tops Market tenant space, where practical, to meet the design objectives of the SSDS. Final locations of the suction points will be contingent upon the interior layout of the tenant space and upon coordination with SSI.

Sub-Slab Depressurization System Installation Report, Southside Plaza. 704-744 Foote Avenue, Jamestown, New York, (NYSDEC Site Code. C907043), prepared by Apex Companies, LLC (Apex) of Cincinnati, Ohio, dated May 1, 2013

- Apex oversaw the installation of the SSDS on February 26 and 27, 2013 along the southern boundary of the property within the existing Tops Market tenant space. The objective of the SSDS installation was to mitigate the potential vapor intrusion of dry cleaning solvent vapors at the site.

- Based on vacuum test results, the SSDS system is providing a sufficient vacuum to mitigate potential vapor intrusion of the dry cleaning solvent vapors at the site and on the adjoining property (Southside Foote Avenue Plaza).

The following recomendations for annual operation and maintenance procedures were provided by Apex:

- Apex recommends conducting a visual inspection of all system components, including the vent fans, piping, U-tube style manometer, and labeling, to ensure that no components appear damaged or in need of replacement or repair.

- Apex recommends that an inspection of the concrete floor slab, which is influenced by the vacuum of the SSDS, be performed to ensure that no cracks or penetrations have been introduced through the slab, thus short circuiting the system.

- Apex recommends inspecting all system components for condition and proper operation.

- Apex recommends performing a smoke test at any identified concrete floor cracks, floor joints and at the suction points to determine any vacuum leakage from the system. Apex recommends that the smoke test be performed in accordance with Sections 4.3.1(a) and 4.3.4(a) of the NYSDOH October 2006 Guidance.

- Apex recommends verifying that no air intakes have been installed post-installation of the SSDS system within 10 feet of the SSDS exhaust point in accordance with Section 4.2.2(c)(6)(iv) of the NYSDOH October 2006 Guidance.

- In accordance with Section 4.4.1 of the of the NYSDOH October 2006 Guidance, Apex recommends that pressure field extension testing be performed annually to ensure the system is maintaining the vacuum beneath the former drycleaner and adjoining tenant space concrete slabs.

- Apex recommends interviewing tenant space occupants regarding observations and comments on the operation of the SSDS system.

2.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon review of the documents as referenced above, EBI offers the following conclusions and recommendations:

- The Subject Property is currently enrolled in the NYSDEC Brownfield Cleanup Program, and response actions are being undertaken by the current property owner. An engineering control in the form of a Sub-Slab Deppressurization System has been has been implemented to mitigate the effects of vapor intrusion of dry cleaning solvents beneath the building on the Subject Property. Ongoing operation, maintenance and monitoring of the system is required under the program until vapor levels dissipate to levels below New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion monitoring values.

This Report is being furnished to Five Mile Capital Partners, LLC and may be relied upon by Five Mile Capital Partners, LLC its successors and assigns, co-lenders or participating banks who have joined or who may in the future join in making a loan (collectively, the "Secondary Client") to the Client. Any rating agency or issuer or purchaser of any security collateralized or otherwise backed by such loans may further rely upon the report. We also consent to the inclusion of this report in any form, whether in paper or digital format, including any electronic media, in the Prospectus supplement, etc.

The conclusions and recommendations presented in this report are based upon regulatory files available at the time of review. EBI notes that current conditions on the Subject Property and surrounding properties may differ significantly from those identified in the documents reviewed. Please note that a physical inspection of the Subject Property was not conducted by EBI and that EBI does not render any opinion regarding past or present on-site environmental conditions.

Should you have any questions or require additional information, please do not hesitate to contact the undersigned at (781) 418-2349. EBI thanks you for the opportunity to provide environmental consulting services to Five Mile Capital Partners, LLC.

Sincerely,
EBI CONSULTING

Daniel Bellucci
Author/Environmental Scientist

Brian Kilcoyne.
Reviewer/Senior Scientist
(781) 418-2349

Attachments: Report on April 2011 Site Investigation, Southside Plaza, 704-744 Foote Avenue, Jamestown, New York (NYSDEC Site Code. C907043), prepared by Apex Companies, LLC (Apex) of Cincinnati, Ohio, dated May 18, 2011

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Apex Companies, LLC
"Where Excellence Meets Value"

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Cincinnati, Ohio 45246
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May 18, 2011

Mr. John Bear
Phillips Edison & Company
11501 Northlake Drive
Cincinnati, Ohio 45249

Re: Report on April 2011 Site Investigation
Southside Plaza, 704 – 744 Foote Avenue
Jamestown, New York

Dear Mr. Bear,

Apex Companies, LLC is pleased to provide Phillips Edison & Company Ltd (PECO) with the results of the additional site investigation activities conducted in April 2011 at the above-referenced Site.

1. BACKGROUND

The Southside Plaza is located at 704-744 Foote Avenue in Jamestown, New York (Figure 1). Previous Phase 1 Assessments completed by others identified a dry cleaner and former gas station on the Site. Subsurface soil gas and sub-slab vapor sampling was conducted in August 2008 in the reported area of the former drycleaner, and soil and groundwater sampling was conducted in the area of the former gas station. The 2008 investigation identified Tetrachloroethene (PCE) and Trichloroethene (TCE) in subsurface and sub-slab vapor samples, and PCE in groundwater. As a result of these findings and new information regarding the suspected location of a former dry cleaner, further subsurface investigation was conducted in March 2010. The investigation included additional soil and groundwater sampling as well as indoor air and sub-slab vapor sampling. The March 2010 study reported detections of PCE in groundwater at four of the five sample locations at concentrations higher than previously found. Copies of the previous subsurface investigation reports dated November 24, 2008 and May 4, 2010 are included in Attachment A.

In order to characterize the apparent release, identify the likely source area, and verify the direction of shallow groundwater flow, five permanent groundwater monitoring wells were installed and sampled in May – June 2010. PCE was detected at concentrations that exceeded applicable groundwater standards at four of the five well locations and TCE was detected at concentrations that exceeded applicable groundwater standards at three of the five well locations. Additional research was conducted in October 2010 to determine the exact location of the former dry cleaner. The additional research revealed two historic dry cleaner locations nearby, one was formerly located on-site at 736 Foote Avenue near the location of groundwater monitoring well MW-2 and the other was located approximately 30-feet south of the current property line at 750 Foote Avenue. The locations of the five monitoring wells (MW-1 through MW-5) as well as the former dry cleaner locations are depicted on Figure 2. Copies of the report dated July 2, 2010, which includes findings from the five monitoring wells installed and sampled in May – June 2010, and the report dated October 18, 2010, which includes results from the additional research, are included in Attachment A.

Based on the findings of high PCE concentrations at locations cross-gradient to the former dry cleaner located on-site, it was recommended that groundwater monitoring wells be installed south of the property boundary to identify the upgradient boundary of the contaminant plume and confirm shallow groundwater flow patterns. Apex was not able to obtain access to the adjacent property for the proposed investigation. As a result, two additional wells were installed on-site in February 2011 and sampled in April 2011, one well (MW-6) is located along the southern property boundary and the other well (MW-7) is located near the western property boundary (see Figure 2). Results from groundwater sampling conducted at the monitoring wells MW-1 through MW-5 in June 2010 and MW-6 and MW-7 in April 2011 are presented and discussed below.

2. FIELD INVESTIGATION

In February 2011, Terrie Swanson, a representative from Apex, conducted investigation activities. "Call Before You Dig" was notified at least 72 hours prior to initiating the work for the clearance of underground utilities in the vicinity of each of the sampling locations. In February 2011, two soil borings were advanced through the overburden soils using hollow stem auger (HSA) drilling techniques and samples were collected. Borings were advanced until groundwater was encountered and permanent monitoring wells were installed by Nature's Way, a well drilling subcontractor. Borings were advanced in the area immediately surrounding the former dry cleaner (but limited by the property line to the south), and at the down gradient property lines to the north and east-northeast (based on the inferred direction of groundwater

flow). The locations of the previously installed MW-1 through MW-5, the newly installed MW-6 and MW-7, and the former dry cleaner locations are shown on Figure 2.

Soil Sampling

Continuous soil samples were collected in the unconsolidated soils using HSA sampling methods and logged at each boring location. Split spoon sampling rods were advanced into the soil and retrieved in 2-foot intervals. Once retrieved, the samplers were split open for lithologic observation and sample collection. Each two-foot interval of soil was split and placed in two sealed containers. One container was placed in a cooler while the other was allowed to equilibrate for a minimum of 30 minutes in a temperature-controlled environment; the samples were then screened with a photoionization detector ("PID") for the presence of VOCs.

Moist soils were encountered immediately beneath the asphalt and borings were terminated at auger refusal, which occurred at 15.7 feet below ground surface (bgs) at MW-6 and 15.2 bgs at MW-7. Faintly mottled olive brown to brown silt was typically encountered at a depth of approximately 1.5 to 2 feet bgs. Gravel was present in the silty soil at 8 feet bgs at MW-6 and 5 feet bgs at MW-7. Wet soil was encountered at a depth of 8 feet bgs at MW-6, and extremely moist soil was encountered at a depth of 1.5 feet bgs at MW-7.

None of the soil samples collected from the soil borings exhibited visual or olfactory evidence of a release or positive PID responses. Since no evidence of impacted soil was identified during the screening, soil samples were selected from the interval determined by the geologist to be most likely to be contaminated based on changes in soil type or moisture levels. Copies of boring logs, including the PID readings taken in the field, can be found in Attachment B.

The samples selected for laboratory analysis were collected in laboratory provided glass jars, labeled, and immediately preserved on ice. Disposable nitrile gloves were used during sample collection to avoid cross contamination. The samples were transported to York Analytical Laboratories ("York") in Stratford, Connecticut to be analyzed for the presence of halogenated VOCs by Method 8260B. Chain-of-custody procedures were followed during all soil sample collection and handling activities.

Groundwater Sampling

Each of the two soil borings was converted to a permanent monitoring well. Depths of the wells ranged from 11.5 to 20 feet bgs. Each well was constructed from 8 to 15 feet of 2-inch diameter, 10 slot PVC well screen and 2-inch diameter, threaded, flush joint PVC riser pipe extending to the ground surface. No. 2 graded silica sand was used to fill the annular space from the bottom

of the boring to approximately 2-feet above the top of the well screen. The remainder of the borehole was filled with bentonite to within 1 foot of the surface and a well monument, complete with a water tight cover and concrete pad was constructed to prevent water from draining into the well vault. Copies of well completion diagrams can be found in Attachment B.

Following monitoring well installation, each well was developed by surging and removing at least 30 gallons of groundwater using disposable bailers. Due to the high silt content in the formation, development water remained fairly turbid.

Sampling of the wells was postponed due to snow coverage and in April 2011 MW-6 and MW-7 were purged until the water quality parameters (pH, temperature, and conductivity) stabilized and a groundwater sample was collected. The groundwater samples were collected in appropriate laboratory supplied sample containers, labeled, and preserved on ice. Samples were collected and transported under standard chain-of-custody procedures to York for analysis of halogenated VOCs by Method 8260B. Copies of the sampling purge logs can be found in Attachment C.

Depth to Groundwater Measurement

Following installation, the monitoring wells were surveyed at the tops of their casing to determine their elevations relative to one another. Depth to groundwater measurements were recorded for each of the seven monitoring wells on April 14, 2011, prior to groundwater purging and sampling.

Investigation Derived Waste

All purge water and soil cuttings were collected in DOT 55-gallon drums supplied by the driller and stored on-Site pending the results of laboratory analysis of soil and groundwater samples.

3. FINDINGS

Groundwater Elevation

Depth to groundwater measurements, groundwater elevation data, and well construction details for the seven monitoring wells can be found in the attached Table 1. The groundwater elevation contours are shown in Figure 3. The shallow groundwater gradient is generally to the northeast, with slightly more northward component on the northern portion of the Site. This is consistent with area topography that slopes toward the Chadakoin River approximately ¾ miles north of the Site.

Soil and Groundwater Results

Soil and groundwater analytical results discussed below include those from MW-1 through MW-5, collected in May and June of 2010, as well as those from MW-6 and MW-7, collected in February and April 2011.

Soil analytical data was compared to New York State Department of Environmental Conservation (NYSDEC) Recommended Soil Cleanup Objectives (RSCOs) included in the NYSDEC Technical Administrative Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Levels, revised in April 1995, and 2000 update (TAGM – RSCO).

Detections of halogenated VOCs in soils are summarized in Table 2, including results from soil sampling in May 2010 as well as February 2011. Low levels of PCE and TCE were detected at MW-3 and low levels of PCE were detected at MW-7; all PCE and TCE detections were below the TAGM-RSCO cleanup levels. Low levels of methylene chloride were also detected in all samples, most likely due to laboratory contamination based on its presence in analysis batch blanks. No other VOCs were detected in soils above their laboratory Method Detection Limits (MDLs). These data support the visual and olfactory observations, and PID responses that indicated that soils in the areas sampled have not been impacted by a release of VOCs. Laboratory analytical results for soil samples are provided in Attachment D.

Groundwater analytical data was compared to Standards for the Protection of Source Drinking Water (groundwater) provided in NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limits (TOGS111). In the case of halogenated VOCs, and PCE in particular, this standard is applicable for all groundwater classifications.

Detections of halogenated VOCs in groundwater are summarized in Table 3. PCE was detected above the groundwater standard of 5 µg/L in five of the seven monitoring wells (concentrations ranged from 110 to 2,300 µg/L). TCE was detected in four of the seven wells at concentration ranging from 6.4 to 39 µg/L, above the groundwater standard of 5 µg/L. In two of the seven monitoring wells, vinyl chloride was detected at a concentrations of 2.9 µg/L and 2.8 µg/L, above the groundwater standard of 2 µg/L. In one of the seven monitoring wells, cis-1,2-dichloroethylene (cis-1,2-DCE) was detected at a concentration of 63 µg/L, above the groundwater standard of 5 µg/L. Methylene chloride was also detected in all of the groundwater samples, however, since this compound was also detected in the analysis batch blank, it is assumed to be a laboratory contaminant. No other halogenated VOCs were detected in samples

above the reporting limit. A summary of the groundwater analytical results are presented in Figure 4. Laboratory analytical results for groundwater samples are provided in Attachment E.

The following is a summary of detections of halogenated VOCs in soil and groundwater samples collected from the permanent groundwater monitoring wells with respect to NYSDEC TAGM – RSCO and TOGS111:

- With the exception of low levels of TCE at MW-3, low levels of PCE at MW-3 and MW-7, and methylene chloride detected in all samples, no VOCs are present above MDLs in the soil samples.

- PCE, TCE, cis-1,2-DCE, and vinyl chloride were present in groundwater at levels that exceed the groundwater standard of 5µg/L for PCE, TCE, and cis-1,2-DCE and 2 µg/L for vinyl chloride.

- The highest concentrations of PCE and TCE were 2,300 µg/L and 39 µg/L, respectively, at MW-2, located near the former on-site dry cleaner.

- The second highest concentrations of PCE and TCE were 1,200 µg/L and 28 µg/L, respectively, at MW-6, located immediately downgradient from the former off-site dry cleaner and upgradient from the former on-site dry cleaner.

- Levels of PCE in the wells located along the downgradient property line (MW-1, MW-3, and MW-5) ranged from 110 µg/L to 210 µg/L, and levels of TCE ranged from 4.2 µg/L to 9.4 µg/L.

- PCE was detected in the well located cross-gradient from the former on-site drycleaner along the western property line (MW-7) at a concentration of 1.0 µg/L, well below the groundwater standard.

- No halogenated VOCs were detected above their associated MDL in the well located upgradient from the former on-site and former off-site dry cleaners (MW-4).

The distribution and levels of halogenated VOCs in groundwater, suggest that the plume of PCE and TCE may originate south of the southernmost property boundary. The plume extends to the northernmost property line, and along the diagonal property line that extends in the southeast and northwest orientation. Concentrations of PCE and TCE appear to be highest in the immediate vicinity of MW-2 and MW-6 then decrease by an order of magnitude in downgradient wells.

The concentration distribution appears to be consistent with a plume that emanates from a source area near the location of the former off-site dry cleaner. This observation is based on the levels of PCE at MW-6, which is slightly up-gradient and cross-gradient from the location of the former on-site dry cleaner.

4. RECOMMENDATIONS

Based on levels and distribution of PCE and TCE in groundwater and the relatively high concentration of PCE and TCE up-gradient and cross-gradient from the formerly suspected on-site source area, it is recommended that additional monitoring wells be installed off-site to the south of the southern-most property line. Groundwater elevations over the complete well network will be used to verify the shallow groundwater gradient in the vicinity of the potential source areas, and sampling results will assist in locating the source area from which the groundwater plume is emanating. Since the recommended wells are located off-Site, an access and entry agreement will be required from the adjacent property owner. Because the adjacent property owner to the south will not grant access for monitoring well installations, it is recommended that Southside Plaza apply for entry into a state cleanup program where access necessary to delineate the contaminant plume can be mandated by the regulatory authority.

6. REPORT LIMITATIONS

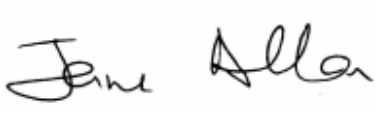
The findings presented in this report are not specific certainties; rather they are probabilities based upon professional judgment, analytical results and risk-based guidance values published by the NYSDOH and NYSDEC. Apex is not able to represent that the Site presents no environmental conditions other than those described during this investigation.

Implementation or use of the findings in this report does not assure the elimination of present or future liability or the fulfillment of the property owner's obligations under local, state or Federal laws. This report is prepared for the benefit of PECO and may not be relied upon by any other person or entity. The findings set forth in this report are limited in time and scope to the circumstances at the time of the field investigation.

Please feel free to call me with any questions that you may have.

Sincerely,

Apex Companies, LLC.



Jane Allan, PhD
Project Manager

Eric J. Wysong
Geologist

Tables	1.	Monitoring Well Construction and Groundwater Elevations
	2.	Detections of Halogenated VOCs in Soils
	3.	Detections of Halogenated VOCs Groundwater
Figures	1.	Site Location Map
	2.	Monitoring Well and Former Dry Cleaner Locations
	3.	Groundwater Elevation Contours
	4.	VOCs in Groundwater

Attachment A – Previous Reports
Attachment B – Soil Boring and Well Completion Logs
Attachment C – Groundwater Sampling Purge Logs
Attachment D – Laboratory Analytical Reports for Soils
Attachment E – Laboratory Analytical Reports for Groundwater

Tables

Table 1
Monitoring Well Construction and Groundwater Elevations
Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

Monitoring Well ID	Well Depth (feet)	TOC Elevation (feet)	Screened Interval (feet bgs)	APRIL 14, 2011 - Depth to Water (feet)	APRIL 14, 2011 - Groundwater Relative Elevation (feet)
MW-1	20.0	98.52	5 - 20	6.22	92.30
MW-2	16.0	99.14	5.5 - 16	4.30	94.84
MW-3	14.0	97.44	4 - 14	4.55	92.89
MW-4	11.5	105.72	3.5 - 11.5	5.09	100.63
MW-5	20.0	95.99	5 - 20	8.90	87.09
MW-6	15.7	100.01	5.7 - 15.7	3.59	96.42
MW-7	15.2	99.69	5.2 - 15.2	5.22	94.47

Notes :

TOC Elevation - Top of Casing Elevation
Depth to groundwater measured on 4/14/2011
bgs - below ground surface

Table 2
Detections of Halogenated VOCs in Soil
Southside Plaza

704 - 744 Foote Avenue
Jamestown, New York

Sampling Date	May 26, 2010					February 1, 2011			
Monitoring Well ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	Reporting Limit	NYSDEC TAGM RSCO *
Sample Depth	8' -10' bgs	6' - 8' bgs	8' - 10' bgs	6' - 8' bgs	4' - 6' bgs	14' - 16' bgs	12' - 14' bgs		
VOCs (µg/kg)									
Methylene chloride	28 B	28 B	28 B	26 B	24 B	19 J,B	20 J,B	24	100
Tetrachloroethylene	<12	<12	37	<12	<12	<11	110	12	1400
Trichloroethylene	<12	<12	4.0 J	<12	<12	<11	<11	12	700

Notes :

J - Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B - Analyte is found in the associated analysis batch blank.
* NYSDEC TAGM - Recommended Soil Cleanup Objectives, HWR-94-4046, Revised 4/95 and 2000 NYSDEC STARS

Table 3
Detections of Halogenated VOCs in Groundwater
Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

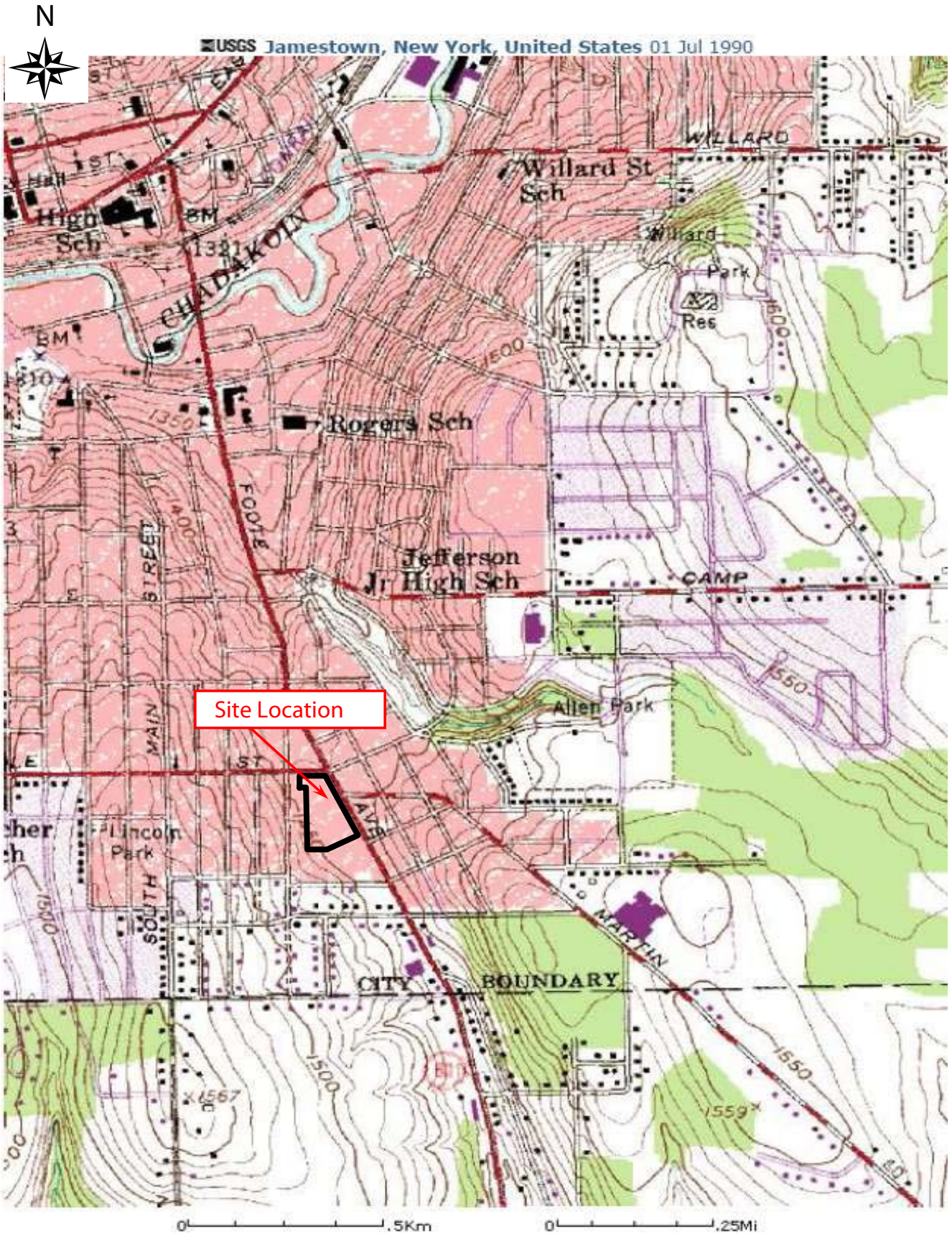
Sampling Date	June 1, 2010						April 14, 2011				
Monitoring Well ID	MW-1	MW-2	MW-3	MW-3 Duplicate	MW-4	MW-5	MW-6	MW-7	MW-7 Duplicate	Reporting Limit	NYSDEC GW Standard *
VOCs (µg/L)											
cis-1,2-Dichloroethylene	3.2 J	2.8 J	1.8 J	1.8 J	<5	<5	**63**	<5	<5	5.0	5
trans-1,2-Dichloroethylene	<5	<5	<5	<5	<5	<5	3.6 J	<5	<5	5.0	5
Methylene chloride	**5.0 J,B**	4.2 J,B	3.5 J,B	4.4 J,B	3.0 J,B	2.6 J,B	**5.3 J,B**	4.7 J,B	4.9 J,B	10	5
Tetrachloroethylene	**210**	**2,300**	**190**	**200**	<5	**110**	**1,200**	1.0 J	<5	5.0	5
Trichloroethylene	**9.4**	**39**	4.2 J	3.7 J	<5	**6.4**	**28**	<5	<5	5.0	5
Vinyl Chloride	**2.9 J**	<5	<5	<5	<5	<5	**2.8 J**	<5	<5	5.0	2

Notes :

Bold and shaded values exceeded Groundwater Standard

J - Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B - Analyte is found in the associated analysis batch blank.
* NYSDEC Class GA Ambient Water Quality Standards and Guidance Values, NYSDEC Division of Water Quality and Operational Guidance Series (1.1.1) - Ambient Water Quality and Guidance Values and Effluent Limitations Reissued June 1998.

Figures



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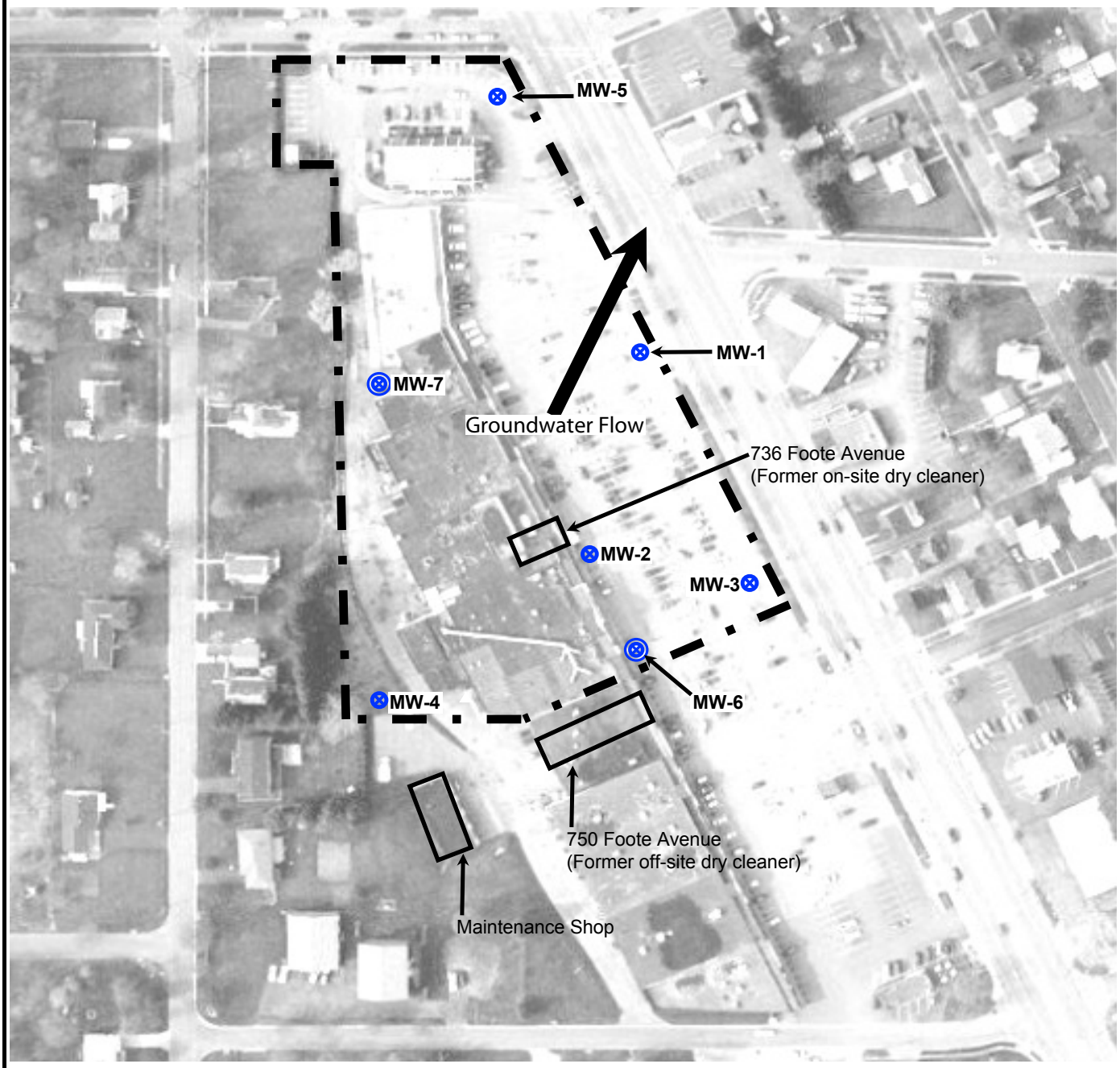
Environmental Consulting & Engineering
155 Tri-County Pky, Ste 250, Cincinnati, Ohio 45246

Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

Figure 1
Site Location Map



MW-1 ← Monitoring Wells Installed May 2010
← Monitoring Well Number

MW-6 ← Monitoring Wells Installed Feb. 2011
← Monitoring Well Number

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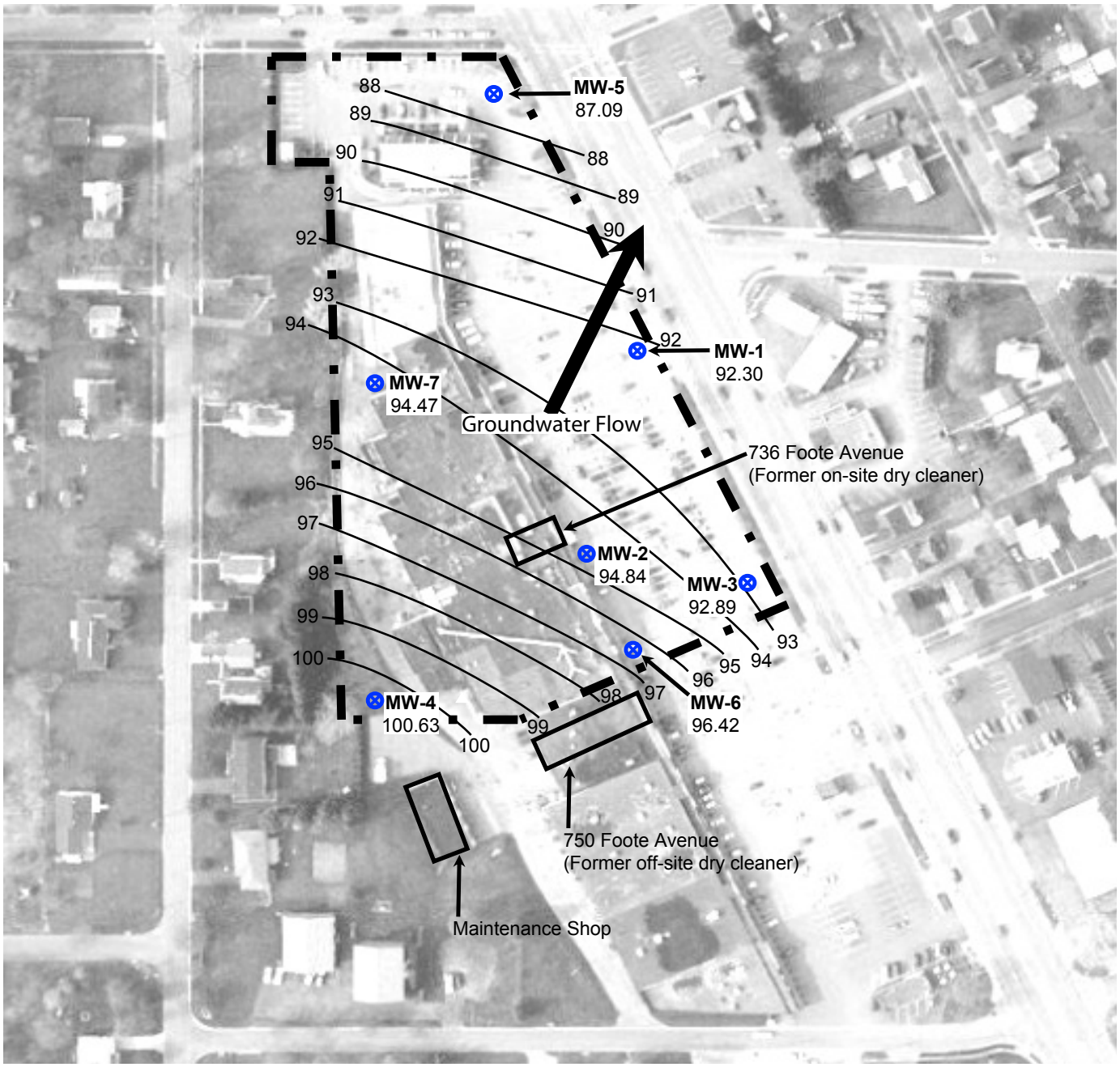
Figure 2
Monitoring Well & Former
Dry Cleaner Locations



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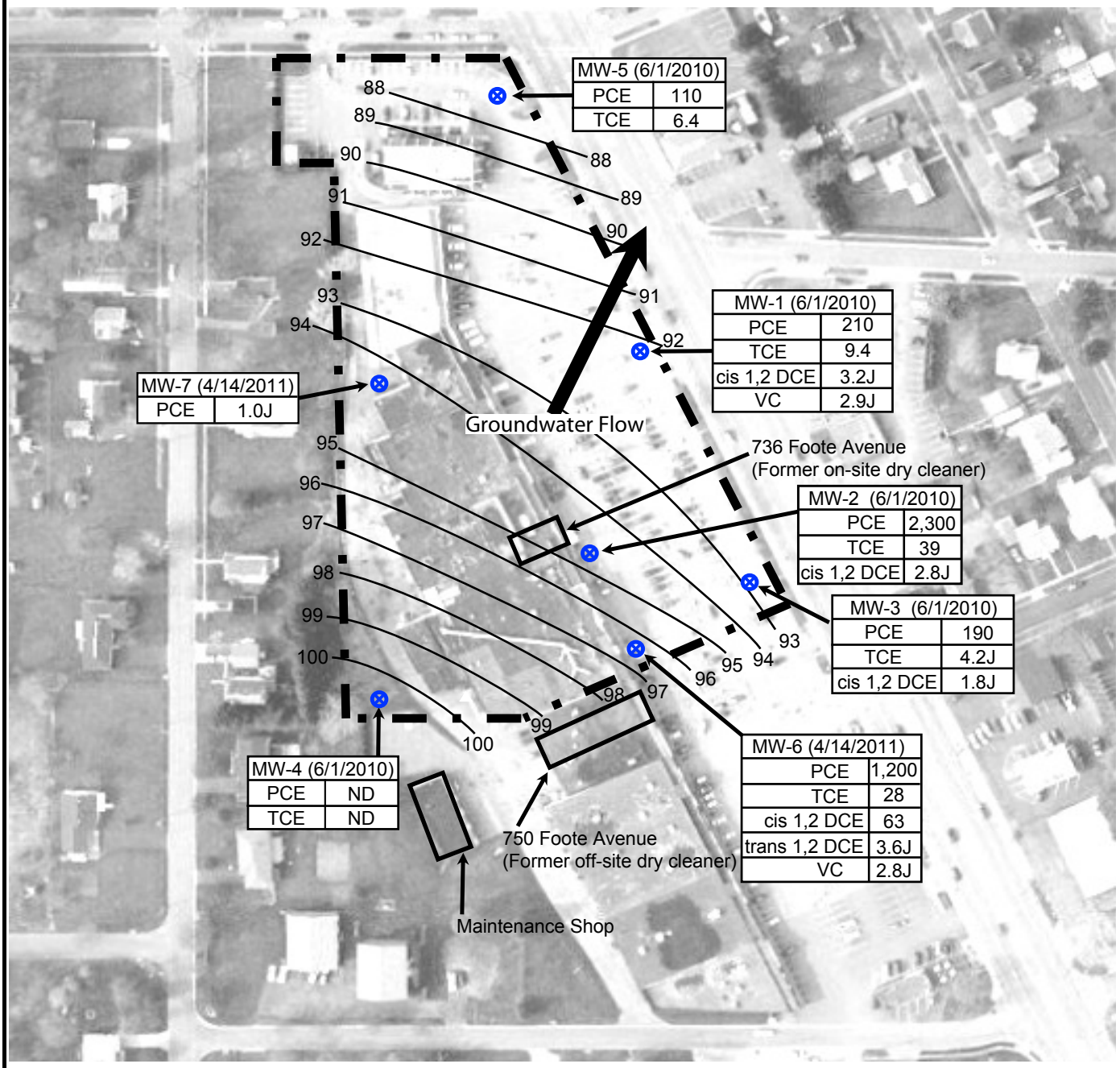
Jamestown, New York

Figure 3
Groundwater Elevation Contours



MW-6 (4/14/2011)		
PCE	1,200	← Concentration of Tetrachloroethylene in µg/l
TCE	28	← Concentration of Trichloroethylene in µg/l
cis 1,2 DCE	63	← Concentration of cis-1,2-Dichloroethylene in µg/l
trans 1,2 DCE	3.6J	← Concentration of trans-1,2-Dichloroethylene in µg/l
VC	2.8J	← Concentration of Vinyl Chloride in µg/l

← Monitoring Well Number and Date Sampled

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Southside Plaza

704 - 744 Foote Avenue
Jamestown, New York

Figure 4
VOCs in Groundwater

Attachment A
Previous Reports

Apex Companies, LLC
"Where Excellence Meets Value"

155 Tri-County Parkway
Suite 250
Cincinnati, Ohio 45246
Telephone: 513-771-3617
Facsimile: 513-771-3723

November 24, 2008

Ms. Vivian Knight, Esq.
Phillips Edison & Company
11501 Northlake Drive
Cincinnati, Ohio 45249

Re: Limited Site Investigation Report
Southside Plaza, 704 – 744 Foote Avenue
Jamestown, New York

Dear Ms. Knight,

Apex Companies, LLC is pleased to provide Phillips Edison & Company Ltd (PECO) with the results of a Limited Site Investigation recently conducted at the above-referenced Site. According to the information provided in the request for proposal (RFP), previous Phase 1 Assessments identified a dry cleaner and former gas station on the Site and groundwater was reported to be 20 – 40 feet below ground surface (bgs). The exact location of the dry cleaner was not known, however, it was reportedly located at the southern edge of the tenant lease areas.

The Southside Plaza is located at 704-744 Foote Avenue in Jamestown, New York (Figure 1). In accordance with the scope of work provided in the RFP, two sub surface soil gas samples and two sub-slab air samples were collected in the vicinity of the former dry cleaner. In addition, four soil borings were advanced to refusal in the area of the former gas station for the collection of soil and groundwater samples. A discussion of sampling methods and laboratory analytical results are presented below.

1. INITIAL SITE RECONNAISANCE

On August 14, 2008, Jon Ramsier, a representative from Apex, visited the Southside Plaza to conduct a pre-mobilization reconnaissance. The purpose for the visit was to meet with tenants where sub-slab soil vapor samples were being collected, mark boring locations for utility clearance purposes, and confirm Site conditions. "Call Before You Dig" was notified at least 72

hours prior to initiating the work for the clearance of underground utilities in the vicinity of each of the sampling locations.

Each of the sub-slab, soil gas, and soil boring locations identified in the PECO RFP was found to be in an accessible area. Soil borings, sub-slab and shallow soil gas sampling locations are shown on Figure 2.

Sub-slab samples locations were within the Quality Market tenant space, located on the southern-most portion of the property, and soil vapor samples locations were directly in front and behind the tenant space. Soil borings were advanced along the northern property boundary and the northernmost portion of the eastern property boundary, to the north and east of a McDonalds restaurant.

2. SUB-SLAB AND SHALLOW SOIL GAS SAMPLING

Installation of Semi-Permanent Sampling Points

An Apex representative, Greg Mendez-Chicas, performed soil gas sampling on August 18, 2008. Sub-slab and subsurface soil vapor sampling activities were conducted in general accordance with the applicable New York State Department of Health (NYSDOH) guidance document entitled "*Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*," dated October of 2006, (hereinafter, the NYSDOH Guidance Document). The following provides the details of the two types of soil vapor sampling points. Upon completion of the sampling activities, the poly tubing and screens were removed, the penetrations sealed with hydrated bentonite and the surfaces repaired with concrete or asphalt, as appropriate.

Building Interior Sub-Slab Semi-Permanent Sampling Points

At each of the two building interior sampling locations (SS-SS-1 and SS-SS-2), a one-to-two-inch-diameter access hole was cut with a hammer drill equipped with a coring bit through the 6 to 8-inch-thick concrete floor. SS-SS-01 was located in the southwestern hallway on the interior of the store stocking area, behind the bakery department, and SS-SS-02 was located approximately 25 to 30 feet north east of SS-SS-01 near the fire exit door. The interior soil vapor sampling implants were installed utilizing hand-powered equipment (e.g., hand auger, post-hole digger, etc.) and each consisted of a six-inch-long stainless-steel screen with one-quarter-inch-diameter polyethylene tubing set approximately 2-inches below the bottom of the slab. Decontaminated filter pack sand was utilized to fill the annular space to two-inches above

the top of the screen, with the remaining annular space filled with hydrated bentonite and/or bentonite grout.

Exterior Soil Vapor Semi-Permanent Sampling Points

Soil vapor sample SS-SV-01 was collected directly in front of the Quality Market Store, and soil vapor sample SS-SV-2 was collected just outside the fire exit door, at the southwestern corner of the store. At each of the two exterior sampling locations (SS-SV-1 and SS-SV-2), semi-permanent soil vapor sampling points were installed to a terminal depth of five-feet bgs. The soil borings were hand augered to a depth of 5 feet, and the six-inch-long stainless-steel screen with one-quarter-inch-diameter polyethylene tubing was placed at the bottom of the boring. Decontaminated filter pack sand was utilized to fill the annular space to two-inches above the top of the screen, followed by six-inches of hydrated bentonite, followed by decontaminated filter pack sand and finally overlain by six-to-12-inches of hydrated bentonite and/or bentonite grout.

Soil Vapor/Air Sampling

The semi-permanent vapor probes were allowed to equilibrate for a minimum of one hour prior to sampling. Prior to sampling, each point was purged of a minimum of three tube volumes of soil vapor. In addition, as a quality assurance/quality control (QA/QC) measure, helium was introduced into a closed/sealed space surrounding the sampling tube as a tracer gas to confirm the integrity of the probe seals to ensure that no air intrusion impacted the soil vapor sample (e.g., no "short circuiting" occurred). The closed/sealed space around the sampling tube was formed utilizing an inverted container placed atop of the ground at the point where sampling tubing exits the subsurface. The sampling tubing was run through an air-tight fitting installed on the top of the container and another length of tubing was run from the helium supply through another air-tight fitting on the side of the container. Photographs of the soil gas sampling apparatus and setup are included in Attachment A. The sampling tube was connected to a helium detector and monitored over a period of at least 5 minutes to confirm that helium was not present in the soil gas sample and the seals associated with the semi-permanent sampling points were effective in preventing infiltration of atmospheric air into the soil vapor points.

At each soil vapor sampling point, a laboratory-supplied six-liter vacuum Summa canister was connected to the polyethylene tubing subsequent to the purging and leak testing. The samples were collected over a two-hour period at a flow rate of 0.05 liters per minute (LPM), which is less than the maximum flow rate of 0.2 LPM as established in the NYSDOH Guidance Document.

Analysis of Soil Gas Samples

The sub-slab and soil gas samples (with appropriate chain-of-custody) were submitted to York Analytical Laboratories, Inc., a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory for analysis of Halogenated VOCs by EPA Method TO-15. The laboratory analytical report and chain-of-custody forms are included in Attachment B.

3. SOIL AND GROUNDWATER SAMPLING

Soil and Groundwater Sampling by Direct Push Technology

On August 18, 2008, SS-SB-1 through SS-SB-4 were advanced using a truck-mounted Direct Push Technology (DPT) drill rig operated by Nature Way Environmental. Before drilling, each of the borings was cleared for utilities by hand augering to a depth of 4 feet. At each boring location, soil borings were logged, screened by visual and olfactory inspection by Apex geologist Jon Ramsier, and field screened for the presence of VOCs utilizing a calibrated PID.

Moist soils were encountered at a depth of approximately 8 feet bgs and borings were terminated when refusal was met at approximately 16 feet bgs. Beneath the parking lot blacktop and sub-base, subsurface lithologies consisted of silty clay and fine grained sand with coarse gravel seams. With the exception of a discolored layer of soil at 1–2 feet bgs in SB-2, where the sample was collected, none of the soil samples collected from the four soil borings exhibited visual or olfactory evidence of a release of hydrocarbons or positive PID responses. Since no evidence of impacted soil was identified during the screening, soil samples were collected from the intervals at which the highest moisture content was observed, with the rational that petroleum may have become perched on a higher water zone. Soil boring logs are included in Attachment C.

A temporary well screen was placed in each of the boreholes and groundwater samples were collected from the open borehole at SB-01, SB-02 and SB-03 using a peristaltic pump and polyethylene tubing. The groundwater was pumped directly into the laboratory provided sample bottles. Though moist soils were encountered, no water was produced from the borehole at soil boring SB-4 and no sample was collected. Apex attempted to field filter the water samples for dissolved lead analysis, however, the filter became quickly clogged due to the high solids content in water sample, and samples were submitted to the lab without preservative and analysis for dissolved lead was conducted on samples that were filtered in the laboratory.

Analysis of Soil and Groundwater Samples

The soil and groundwater samples collected in the vicinity of the former gas station were submitted to York Analytical Laboratories, Inc. (York), a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory for analysis of STARS volatile organic compounds (VOCs) by EPA Method 8021, STARS semi-volatile organic compounds (SVOCs) by EPA Method 8270, and lead and dissolved lead by EPA Method 610. The laboratory analytical report and chain of custody forms are included in Attachment D.

4. FINDINGS

Soil Gas Samples

The NYSDOH Guidance Document provides specific contaminant thresholds for the following VOCs in sub-slab and indoor air samples: carbon tetrachloride (CT), tetrachloroethene (PCE), 1,1,1 trichloroethane (TCA) and trichloroethene (TCE). The Guidance Document provides the following recommendations based upon both the sub-slab vapor and indoor air sampling results:

- No further action;
- Monitor; or
- Mitigate.

Since sampling of indoor air was not included in the project scope of work, sub-slab and soil gas data was evaluated using the assumption that levels of these VOCs in indoor were below the lowest indoor air threshold (<0.25 ug/m3 for CT and TCE and <3 ug/m3 for PCE and TCA). This assumes the "best case scenario" as opposed to the worst case or most conservative scenario. It should also be noted that the NYSDOH Guidance Document is intended for the evaluation of sub-slab soil gas data, and does not provide contaminant thresholds for VOCs for soil vapor samples collected outside of the footprint of the building. As such, soil vapor samples collected from outside the footprint of the building were evaluated in the same manner as the sub-slab samples.

Soil gas data was also evaluated based on the USEPA OSWER Draft Guidance for Evaluation in the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance). The guidance recommends using an incremental individual lifetime cancer risk of 10e-5 (EPA, 2002).

The results of soil gas sampling are presented in Table 1 along with both NYSDOH Guidance Document and USEPA Subsurface Vapor Intrusion Guidance criteria for vapor intrusion. Values that exceeded either the NYSDOH or USEPA the evaluation criteria are shown in bold and highlighted in yellow.

Exceedences of the NYSDOH guidance criteria are summarized as follows:

- TCA concentrations of 161 µg/m^3 at SS-SS-01 fell into the concentration range where the guidance recommends **monitoring**.

- PCE concentrations of 152, and 104 µg/m^3 at SS-SS-01 and SS-SS-02, respectively fell into the range where the guidance recommends **monitoring.**

- PCE concentrations of 1,310 µg/m^3 at SS-SV-01 fell within the range where the guidance recommends **mitigation.**

- TCE concentration of 224 µg/m^3 at SS-SV-01, fell into the range where the guidance recommends **monitoring.**

The NYSDOH Guidance Document is intended to provide guidance on the evaluation of soil vapor intrusion from volatile compounds. Based on results presented above, the guidance recommends additional monitoring of sub-slab vapor, lowest occupied living space air, and outdoor air.

Exceedences of USEPA guidance criteria are summarized as follows:

- PCE concentrations of 1,310 µg/m^3, 152 µg/m^3, and 104 µg/m^3 at SS-SV-01, SS-SS-01 and SS-SS-02, respectively exceeded th µg/m^3 e criteria of 81 µg/m^3.

- TCE concentrations of 224 µg/m^3, 7.65 µg/m^3, and 16.9 µg/m^3 at SS-SV-01, SS-SV-02 and SS-SS-01, respectively exceeded the criteria of 2.2 µg/m^3.

Evaluation of the soil gas sample results with respect to the USEPA guidance criteria was generally consistent with the evaluation using NYSDOH Guidance.

The levels of chlorinated solvents in soil gas, particularly levels of PCE which fall within the range of values for which NYSDOH recommends mitigation, and which exceed the USEPA generic screening criteria by more that an order of magnitude, suggest that the site has been impacted by a release from the former dry cleaners.

In addition, Method Detection Limits (MDLs) for several analytes exceeded one or both of the guidance criteria, and are shown in bold italics on Table 1. When a sample contains elevated levels of VOCs, dilution may be required before the sample can be analyzed, and as a result MDLs are higher. Higher MDLs did not present a limitation to the interpretation of the data collected for this investigation.

Soil and Groundwater Samples

Soil analytical data was compared to NYSDEC Recommended Soil Cleanup Objectives (RSCOs) included in the NYSDEC Technical Administrative Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Levels, revised in April 1995, and 2000 update (TAGM – RSCO).

As summarized in Table 2, no NYSDEC TCL VOCs or STAR SVOCs were detected in soils above their laboratory Method Detection Limits (MDLs). Lead was detected in each of the soil samples at levels below the cleanup criteria. These data support the visual and olfactory observations, and PID responses that indicated that soils have not been impacted by a release of petroleum hydrocarbons at the former gas station.

Method Detection Limits (MDLs) for several analytes exceeded the cleanup criteria, and are shown in bold italics on Table 2. Since there were no detections of any VOCs or SVOCs in soil samples, it is Apex's opinion that this does not limit our ability to evaluate whether soils have been impacted by a possible release.

Since groundwater at the Site has not been classified, for the purposes of this assessment, groundwater analytical data was compared to Standards for the Protection of Source Drinking Water (groundwater) provided in NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limits (TOGS111). These are conservative standards, but in the absence of a groundwater classification they provide suitable values for the initial screening of groundwater data.

As summarized in Table 3, with the exception of PCE was detected in SS-SB-01, no NYSDEC TCL VOCs or STAR SVOCs were detected in groundwater above their laboratory Method Detection Limits (MDLs). Total lead in groundwater exceeded the cleanup criteria in all samples, however these are believed to be due to the turbid nature of the samples, and are not reflective of site-related anthropogenic impacts to groundwater since lead concentrations in all filtered samples was below the cleanup criteria.

Method Detection Limits (MDLs) for several analytes exceeded the cleanup criteria, and are shown in italics on Table 3. Since there were no petroleum related detections of VOCs or SVOCs in water samples, it is Apex's opinion that this does not limit our ability to evaluate whether groundwater has been impacted by a possible release from USTs at the former gas station.

Based on Apex's evaluation of soil and groundwater data collected in the vicinity of the former gas station with respect to NYSDEC TAGM – RSCO and TOGS111, respectively:

- No TCL VOCs or STAR SVOCs are present above MDLs in the soil samples
- Levels of lead in soil are below cleanup criteria
- No petroleum-related TCL VOCs, STAR SVOCs or dissolved lead are present above MDLs in the groundwater samples

However, a groundwater sample collected at SB-1, located approximately 600 feet in the assumed downgradient direction from the presumed location of the former drycleaner identified PCE at 61 µg/l, over an order of magnitude above selected cleanup criteria (in the absence of groundwater classification).

5. REPORT LIMITATIONS

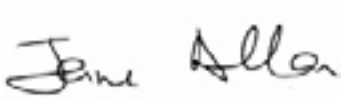
The findings presented in this report are not specific certainties; rather they are probabilities based upon professional judgment, analytical results and risk-based guidance values published by the NYSDOH, NYSDEC and USEPA. Apex is not able to represent that the Site presents no environmental conditions other than those described during this investigation.

Implementation or use of the findings in this report does not assure the elimination of present or future liability or the fulfillment of the property owner's obligations under local, state or Federal laws. This report is prepared for the benefit of PECO and may not be relied upon by any other person or entity. The findings set forth in this report are limited in time and scope to the circumstances at the time of the field investigation.

Please feel free to call me with any questions that you may have.

Sincerely,

Apex Companies, LLC.



Jane Allan, PhD
Project Manager

Tables	1.	Soil Vapor Analysis Results
	2.	Soil Analytical Results
	3.	Groundwater Analytical Results
Figures	1.	Topographic Map
	2.	Site Plan and Sampling Locations

Attachment A – Photos of Soil Gas Sampling
Attachment B – Laboratory Analytical Report for Soil Gas Samples
Attachment C – Soil Boring Logs
Attachment D – Laboratory Analytical Report for Soil and Groundwater Samples

TABLES

Table 1
Soil Vapor Analysis Results
Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

Analyte	Sample Number				GSL*	NYS DOH Guidance** (µg/m3)		
VOCs TO-15 Halogenated List (µg/m^3)	SS-SV-01	SS-SV-02	SS-SS-01	SS-SS-02		NFA***	Monitor	Mitigate
1,1,1-Trichloroethane	< 10.2	< 2.03	**161**	< 19.8	2.2E+04	< 100	100 to < 1,000	≥ 1,000
1,1,2,2-tetrachloroethane	***< 12.8***	< 2.56	< 2.46	***< 25***	4.2E+00			
1,1,2-Trichloroethane	< 10.2	< 2.03	< 1.95	***< 19.8***	1.5E+01			
1,1-Dichloroethane	< 7.51	< 1.5	< 1.44	< 14.7	5.0E+03			
1,1-Dichloroethylene	< 7.42	< 1.48	< 1.43	< 14.5	2.0E+03			
1,2,4-Trichlorobenzene	< 15.2	< 3.04	< 2.92	< 29.7	2.0E+03			
1,2-Dibromoethane	***< 14.3***	***< 2.85***	***< 2.75***	***< 27.9***	1.1E+00			
1,2-Dichlorobenzene	< 11	< 2.2	< 2.11	< 21.4	2.0E+03			
1,2-Dichloroethane	< 7.51	< 1.5	< 1.44	***< 14.7***	9.4E+00			
1,2-Dichloropropane	< 8.61	< 1.72	< 1.65	< 16.8	4.0E+01			
1,2-Dichlorotetrafluoroethane	< 9.16	< 1.83	< 1.76	< 17.9	N/A			
1,3-Dichlorobenzene	< 11.2	< 2.23	< 2.15	< 21.8	1.1E+03			
1,4-Dichlorobenzene	< 11.1	67.3	79.5	1280	8.0E+03			
Allyl Chloride	< 11.6	< 2.32	< 2.24	< 22.7	N/A			
Benzyl Chloride	***< 10.5***	< 2.1	< 2.02	***< 20.6***	5.0E+00			
Bromodichloromethane	***< 25***	< 5	< 4.8	***< 48.8***	1.4E+01			
Bromoform	< 38.5	< 7.69	< 7.39	< 75.1	2.2E+02			
Bromomethane	< 7.24	< 1.45	< 1.39	< 14.1	N/A			
Carbon Tetrachloride	< 11.7	< 2.34	< 2.25	< 22.9	1.6E+01	< 50	50 to < 250	≥ 250
Chlorobenzene	< 8.61	< 1.72	< 1.65	< 16.8	6.0E+02			
Chloroethane	< 4.95	< 0.988	< 0.95	< 9.65	1.0E+05			
Chloroform	< 9.07	< 1.81	< 1.74	***< 17.7***	1.1E+01			
Chloromethane	< 3.85	< 0.769	< 0.739	< 7.51	2.4E+02			
cis-1,2-Dichloroethylene	137	< 1.48	< 1.43	< 14.5	3.5E+02			
cis-1,3-Dichloropropylene	< 9.07	< 1.81	< 1.74	< 17.7	N/A			
Dibromochloromethane	< 31.8	< 6.35	< 6.11	< 62	N/A			
Dichlorodifluoromethane	< 9.25	< 1.85	< 1.78	< 18	2.0E+03			
Freon-113	< 14.3	< 2.85	< 2.75	< 27.9	N/A			
Hexachloro-1,3-Butadiene	***< 13***	< 2.6	< 2.5	***< 25.4***	1.1E+01			
Methylene Chloride	< 6.5	< 1.3	< 1.25	< 12.7	5.2E+02			
Tetrachloroethylene	**1310**	34.5	**152**	**104**	8.1E+01	< 100	100 to < 1,000	≥ 1,000
trans-1,2-Dichloroethylene	31.5	< 2.95	< 2.83	< 28.8	7.0E+02			
trans-1,3-Dichloropropylene	< 9.25	< 1.85	< 1.78	< 18	N/A			
Trichloroethylene	**224**	7.65	16.9	< 19.5	2.2E+00	< 50	50 to < 250	≥ 250
Trichlorofluoromethane	291	< 2.09	62.9	56.6	7.0E+03			

Table 1
Soil Vapor Analysis Results
Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

Analyte	Sample Number				GSL*	NYS DOH Guidance** (µg/m3)		
VOCs TO-15 Halogenated List (µg/m^3)	SS-SV-01	SS-SV-02	SS-SS-01	SS-SS-02		NFA***	Monitor	Mitigate
Vinyl Bromide	< 16.3	< 3.26	< 3.13	< 31.8	N/A			
Vinyl Chloride	< 4.76	< 0.952	< 0.915	< 9.29	2.8E+01			

* GSL = Generic Screening Levels as listed in Table 2B for Shallow Soil Gas Concentrations as listed in the EPA OSWER Draft Guidance Subsurface Vapor Intrusion Guidance

** NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York

*** NFA = No Further Action

152 Values in bold and highlighted in yellow exceeded either GSL or NFA

< 48.8 Values shown in italics had Method Detection Limits greater than GSL or NFA

Table 2
Soil Analysis Results
Southside Plaza

704 - 744 Foote Avenue
Jamestown, New York

Sample Number	SB-01	SB-02	SB-03	SB-04	NYDEC
Sample Depth	12-14'	1-2'	10-12'	8-10'	TAGM RSCO
VOCs (µg/L)					
Chloromethane	<10	<10	<10	<10	N/A
Bromomethane	<10	<10	<10	<10	N/A
Vinyl chloride	<10	<10	<10	<10	200
Chloroethane	<10	<10	<10	<10	1900
Methylene chloride	<10	<10	<10	<10	100
Acetone	<10	<10	<10	<10	200
Carbon disulfide	<10	<10	<10	<10	2700
1,1-Dichloroethene	<10	<10	<10	<10	400
1,1-Dichloroethane	<10	<10	<10	<10	200
1,2-Dichloroethylene (cis-)	<10	<10	<10	<10	N/A
Chloroform	<10	<10	<10	<10	300
1,2-Dichloroethane	<10	<10	<10	<10	100
2-Butanone	<10	<10	<10	<10	300
1,1,1-Trichloroethane	<10	<10	<10	<10	800
Carbon tetrachloride	<10	<10	<10	<10	600
Bromodichloromethane	<10	<10	<10	<10	N/A
1,2-Dichloropropane	<10	<10	<10	<10	N/A
cis-1,3-Dichloropropene	<10	<10	<10	<10	N/A
Trichloroethene	<10	<10	<10	<10	700
Dibromochloromethane	<10	<10	<10	<10	N/A
1,1,2-Trichloroethane	<10	<10	<10	<10	N/A
Benzene	<10	<10	<10	<10	60
trans-1,3-Dichloropropene	<10	<10	<10	<10	N/A
Bromoform	<10	<10	<10	<10	N/A
4-Methyl-2-pentanone	<10	<10	<10	<10	1000
2-Hexanone	<10	<10	<10	<10	N/A
Tetrachloroethene	<10	<10	<10	<10	1400
1,1,2,2-Tetrachloroethane	<10	<10	<10	<10	600
Toluene	<10	<10	<10	<10	1500
Chlorobenzene	<10	<10	<10	<10	1700
Ethylbenzene	<10	<10	<10	<10	5500
Styrene	<10	<10	<10	<10	N/A
Xylenes (total)	<10	<10	<10	<10	1200
1,2-Dichloroethylene(trans-)	<10	<10	<10	<10	N/A
Methyl tert-butyl Ether (MTBE)	<10	<10	<10	<10	120
Dichlorodifluoromethane	<10	<10	<10	<10	N/A
1,1,2-Trichlorotrifluoroethane (Freon 11)	<10	<10	<10	<10	N/A
Trichlorofluoromethane	<10	<10	<10	<10	N/A
1,3-Dichlorobenzene	<10	<10	<10	<10	1600
Isopropylbenzene (Cumene)	<10	<10	<10	<10	2300
1,4-Dichlorobenzene	<10	<10	<10	<10	8500
1,2-Dichlorobenzene	<10	<10	<10	<10	7900
1,2-Dibromo-3-Chloropropane	<10	<10	<10	<10	N/A
1,2,4-Trichlorobenzene	<10	<10	<10	<10	3400
1,2-Dibromoethane (ethylene dibromide)	<10	<10	<10	<10	N/A

Table 2
Soil Analysis Results
Southside Plaza

704 - 744 Foote Avenue
Jamestown, New York

Sample Number	SB-01	SB-02	SB-03	SB-04	NYDEC
Sample Depth	**12-14'**	**1-2'**	**10-12'**	**8-10'**	**TAGM RSCO**
SVOCs (µg/kg)					
Naphthalene	<165	<165	<165	<165	13000
Anthracene	<165	<165	<165	<165	50000
Fluorene	<165	<165	<165	<165	50000
Phenanthrene	<165	<165	<165	<165	50000
Pyrene	<165	<165	<165	<165	50000
Acenaphthene	<165	<165	<165	<165	50000
Benzo[a]anthracene	<165	<165	<165	<165	224
Fluoranthene	<165	<165	<165	<165	50000
Benzo[b]fluoranthene	<165	<165	<165	<165	220
Benzo[k]fluoranthene	<165	<165	<165	<165	220
Chrysene	<165	<165	<165	<165	400
Benzo[a]pyrene	***<165***	***<165***	***<165***	***<165***	61
Benzo[g,h,i]perylene	<165	<165	<165	<165	50000
Indeno[1,2,3-cd]pyrene	<165	<165	<165	<165	3200
Dibenz[a,h]anthracene	***<165***	***<165***	***<165***	***<165***	14.3
Acenaphthylene	<165	<165	<165	<165	50000
Metals (mg/kg)					
Lead	61.6	125	8.35	36.4	400

* NYSDEC TAGM - Recommended Soil Cleanup Objectives, HWR-94-4046, Revised 4/95 and 2000 NYSDEC STARS

67.3 Method Detection Limits in bold italics exceeded RSCO

Table 3
Groundwater Analysis Results
Southside Plaza

704 - 744 Foote Avenue
Jamestown, New York

Sample Number	SB-01	SB-02	SB-03	SB-04	NYSDEC GW Standard *
VOCs (µg/L)					
Chloromethane	<5	<5	<5	N/A	N/A
Bromomethane	<5	<5	<5	N/A	5
Vinyl chloride	***<5***	***<5***	***<5***	***N/A***	2
Chloroethane	<5	<5	<5	N/A	5
Methylene chloride	<5	<5	<5	N/A	5
Acetone	<5	<5	<5	N/A	50
Carbon disulfide	<5	<5	<5	N/A	NA
1,1-Dichloroethene	<5	<5	<5	N/A	5
1,1-Dichloroethane	<5	<5	<5	N/A	5
1,2-Dichloroethylene (cis-)	<5	<5	<5	N/A	5
Chloroform	<5	<5	<5	N/A	7
1,2-Dichloroethane	<5	<5	<5	N/A	5
2-Butanone	<5	<5	<5	N/A	NA
1,1,1-Trichloroethane	<5	<5	<5	N/A	5
Carbon tetrachloride	<5	<5	<5	N/A	5
Bromodichloromethane	<5	<5	<5	N/A	N/A
1,2-Dichloropropane	***<5***	***<5***	***<5***	N/A	1
cis-1,3-Dichloropropene	***<5***	***<5***	***<5***	N/A	0.4
Trichloroethene	<5	<5	<5	N/A	5
Dibromochloromethane	<5	<5	<5	N/A	50
1,1,2-Trichloroethane	<5	<5	<5	N/A	N/A
Benzene	***<5***	***<5***	***<5***	N/A	1
trans-1,3-Dichloropropene	***<5***	***<5***	***<5***	N/A	0.4
Bromoform	<5	<5	<5	N/A	50
4-Methyl-2-pentanone	<5	<5	<5	N/A	N/A
2-Hexanone	<5	<5	<5	N/A	50
Tetrachloroethene	**62**	<5	<5	N/A	5
1,1,2,2-Tetrachloroethane	<5	<5	<5	N/A	5
Toluene	<5	<5	<5	N/A	5
Chlorobenzene	<5	<5	<5	N/A	5
Ethylbenzene	<5	<5	<5	N/A	5
Styrene	<5	<5	<5	N/A	5
Xylenes (total)	<5	<5	<5	N/A	5
1,2-Dichloroethylene(trans-)	<5	<5	<5	N/A	5
Methyl tert-butyl Ether (MTBE)	<5	<5	<5	N/A	NA
Dichlorodifluoromethane	<5	<5	<5	N/A	5
1,1,2-Trichlorotrifluoroethane (Freon 11	<5	<5	<5	N/A	N/A
Trichlorofluoromethane	<5	<5	<5	N/A	5
1,3-Dichlorobenzene	***<5***	***<5***	***<5***	N/A	3
Isopropylbenzene (Cumene)	<5	<5	<5	N/A	5
1,4-Dichlorobenzene	***<5***	***<5***	***<5***	N/A	3
1,2-Dichlorobenzene	***<5***	***<5***	***<5***	N/A	3
1,2-Dibromo-3-Chloropropane	***<5***	***<5***	***<5***	N/A	0.04
1,2,4-Trichlorobenzene	<5	<5	<5	N/A	5
1,2-Dibromoethane (ethylene dibromide)	***<5***	***<5***	***<5***	N/A	6.00E-04

Table 3
Groundwater Analysis Results
Southside Plaza

704 - 744 Foote Avenue
Jamestown, New York

Sample Number	SB-01	SB-02	SB-03	SB-04	NYSDEC GW Standard *
SVOCs (µg/L)					
Naphthalene	<7.1	<5.9	<7.1	N/A	10
Anthracene	<7.1	<5.9	<7.1	N/A	50
Fluorene	<7.1	<5.9	<7.1	N/A	50
Phenanthrene	<7.1	<5.9	<7.1	N/A	50
Pyrene	<7.1	<5.9	<7.1	N/A	50
Acenaphthene	<7.1	<5.9	<7.1	N/A	20
Benzo[a]anthracene	<7.1	<5.9	<7.1	N/A	NA
Fluoranthene	<7.1	<5.9	<7.1	N/A	50
Benzo[b]fluoranthene	***<7.1***	***<5.9***	***<7.1***	N/A	0.002
Benzo[k]fluoranthene	***<7.1***	***<5.9***	***<7.1***	N/A	0.002
Chrysene	***<7.1***	***<5.9***	***<7.1***	N/A	0.002
Benzo[a]pyrene	<7.1	<5.9	<7.1	N/A	ND
Benzo[g,h,i]perylene	<7.1	<5.9	<7.1	N/A	NA
Indeno[1,2,3-cd]pyrene	***<7.1***	***<5.9***	***<7.1***	N/A	0.002
Dibenz[a,h]anthracene	<7.1	<5.9	<7.1	N/A	NA
Acenaphthylene	<7.1	<5.9	<7.1	N/A	NA
Metals (mg/L)					
Lead	**4.15**	**0.093**	**0.499**	N/A	0.015
Lead, Dissolved	<0.005	<0.005	<0.005	N/A	0.015

* NYSDEC Class GA Ambient Water Quality Standards and Guidance Values, NYSDEC Division of Water Quality and Operational Guidance Series (1.1.1) - Ambient Water Quality and Guidance Values and Effluent Limitations Reissued June 1998.

152 Values highlighted in yellow exceeded Groundwater Standard

< 48.8 Method Detection Limits in bold italics exceeded the groundwater standard

FIGURES

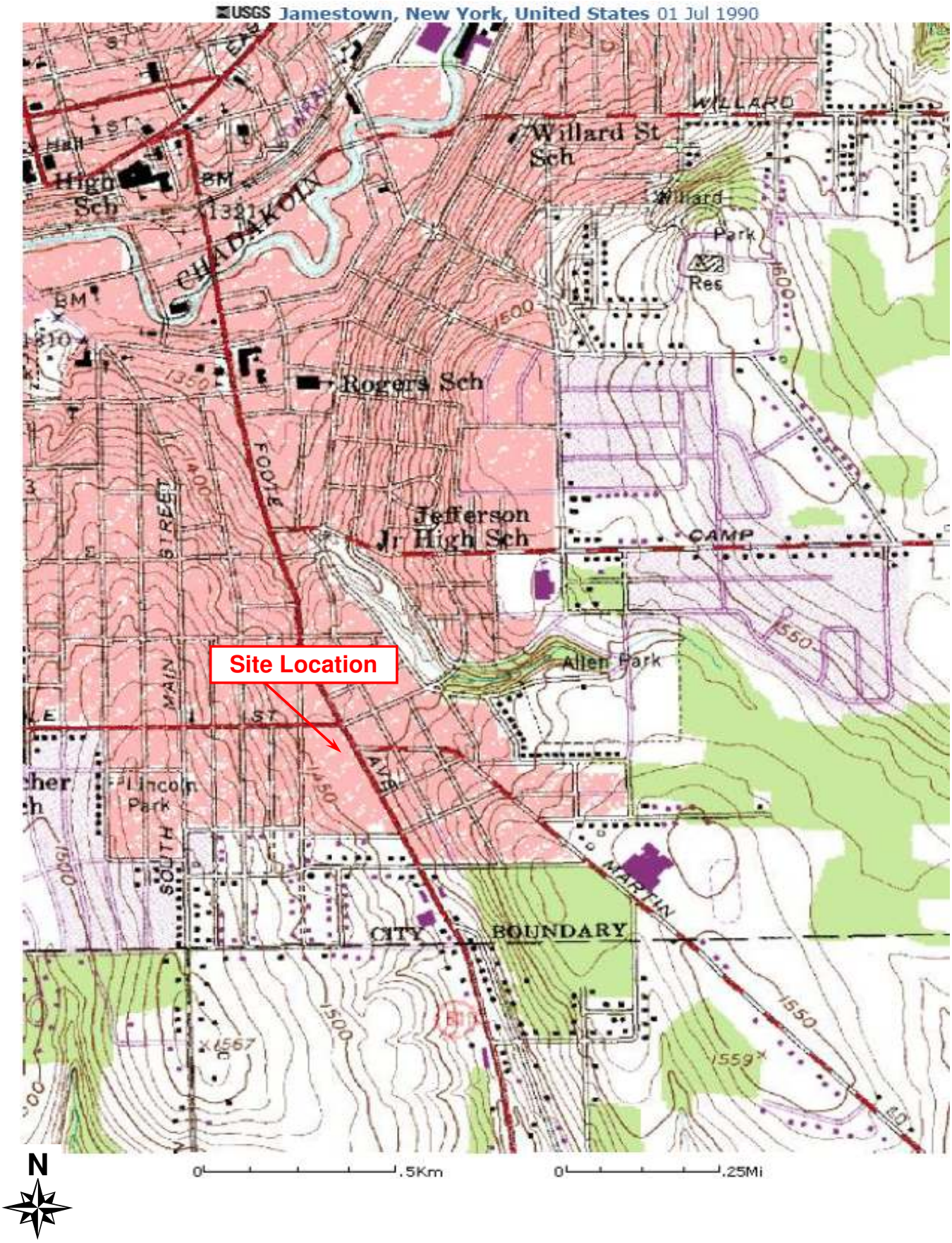


Figure 1: Topographic Map **Source:** terraserver-usa.com	**Southside Plaza** 704-744 Foote Avenue Jamestown, New York	Apex 155 Tri County Parkway, Suite 250 Cincinnati, Ohio Phone: (513) 771-3617

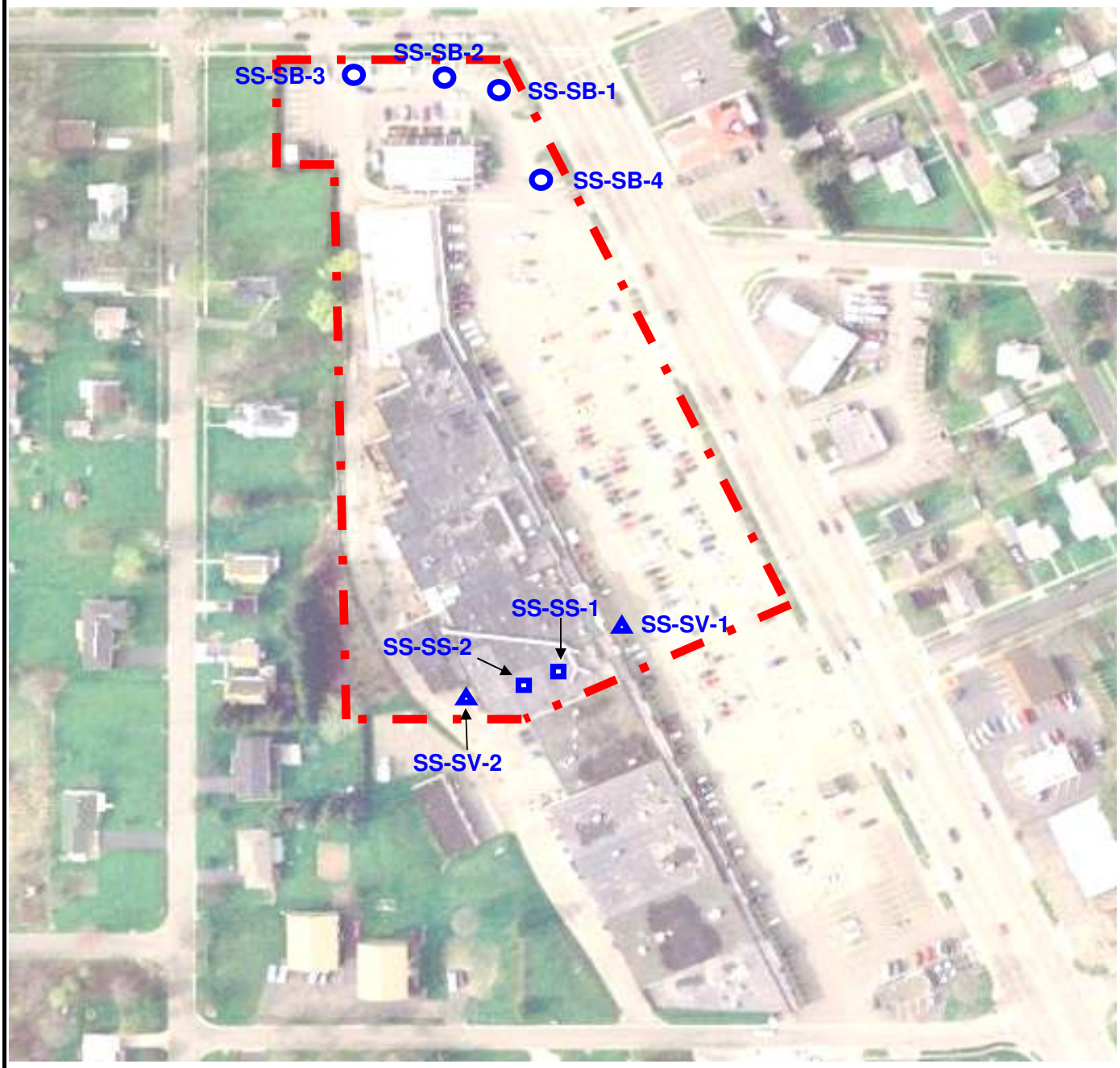


Figure 2: Site Plan and Sampling Locations

Aerial image provided by: Earth.Google.com

Southside Plaza

704 - 744 Foote Avenue
Jamestown, New York

Apex
155 Tri County Parkway, Suite 250
Cincinnati, Ohio
Phone: (513) 771-3617

Attachment A
Photos of Soil Vapor Sampling

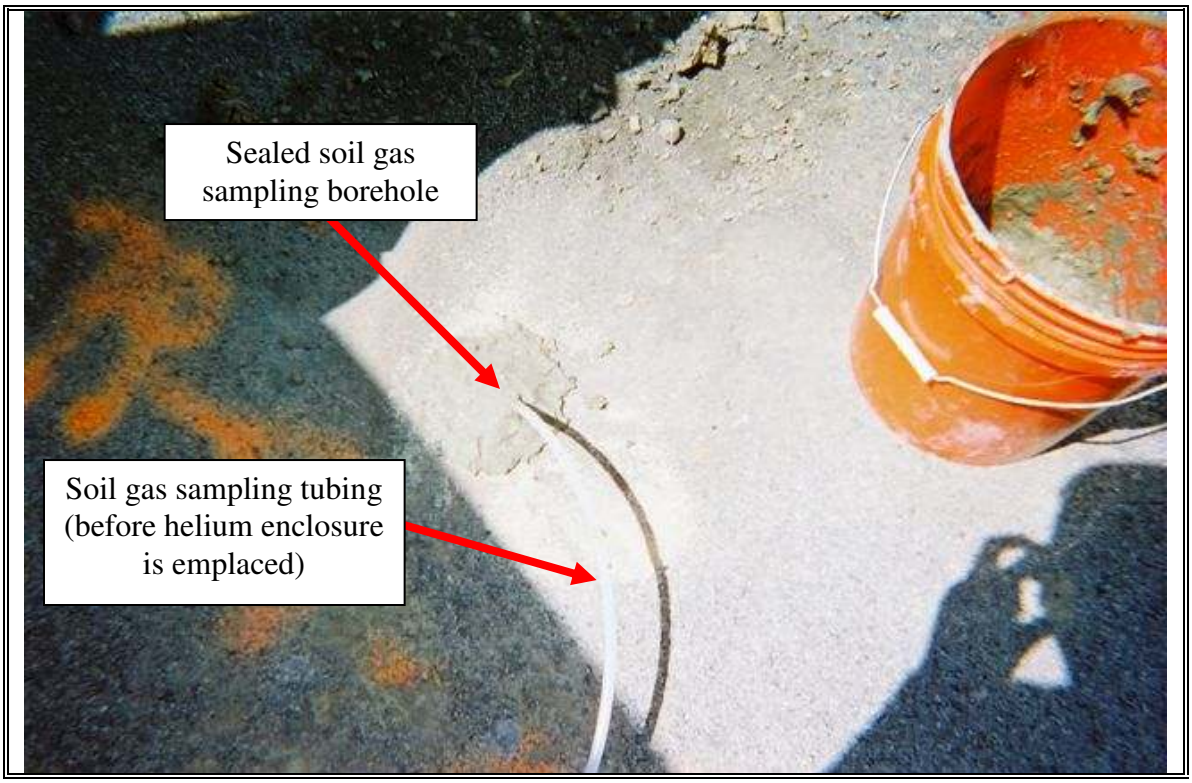


Photo No. 1

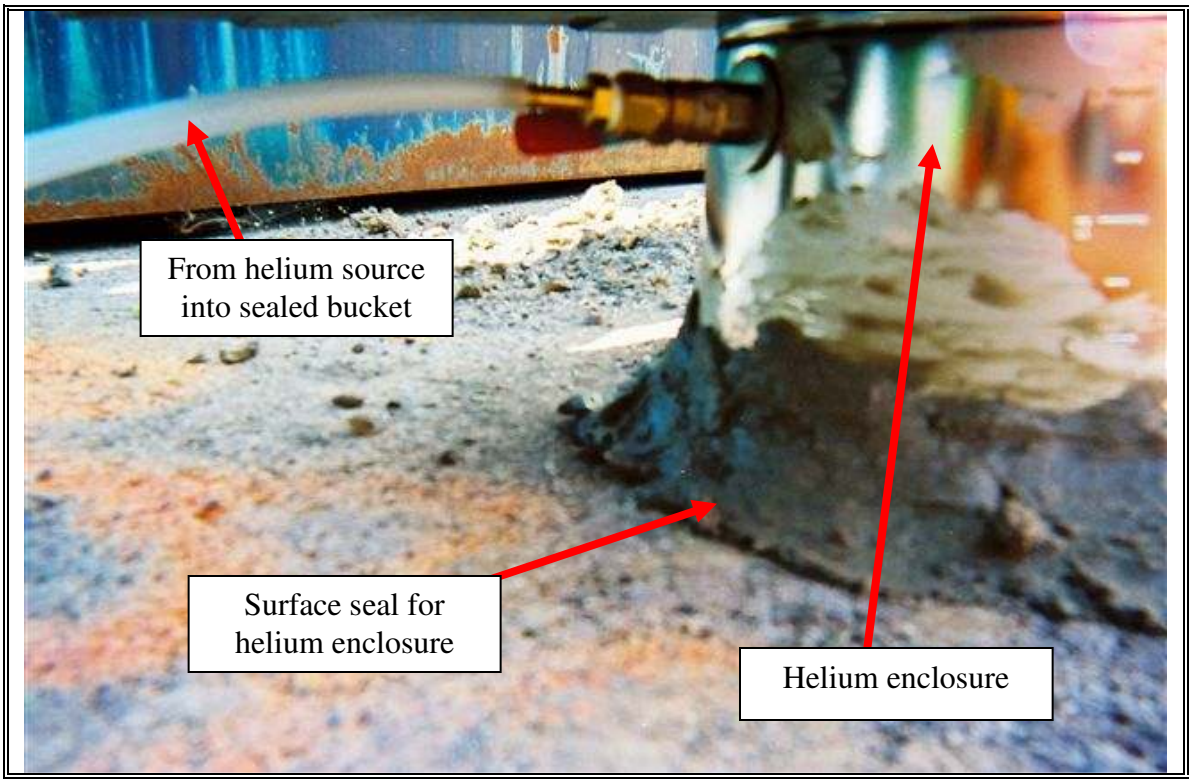


Photo No. 2

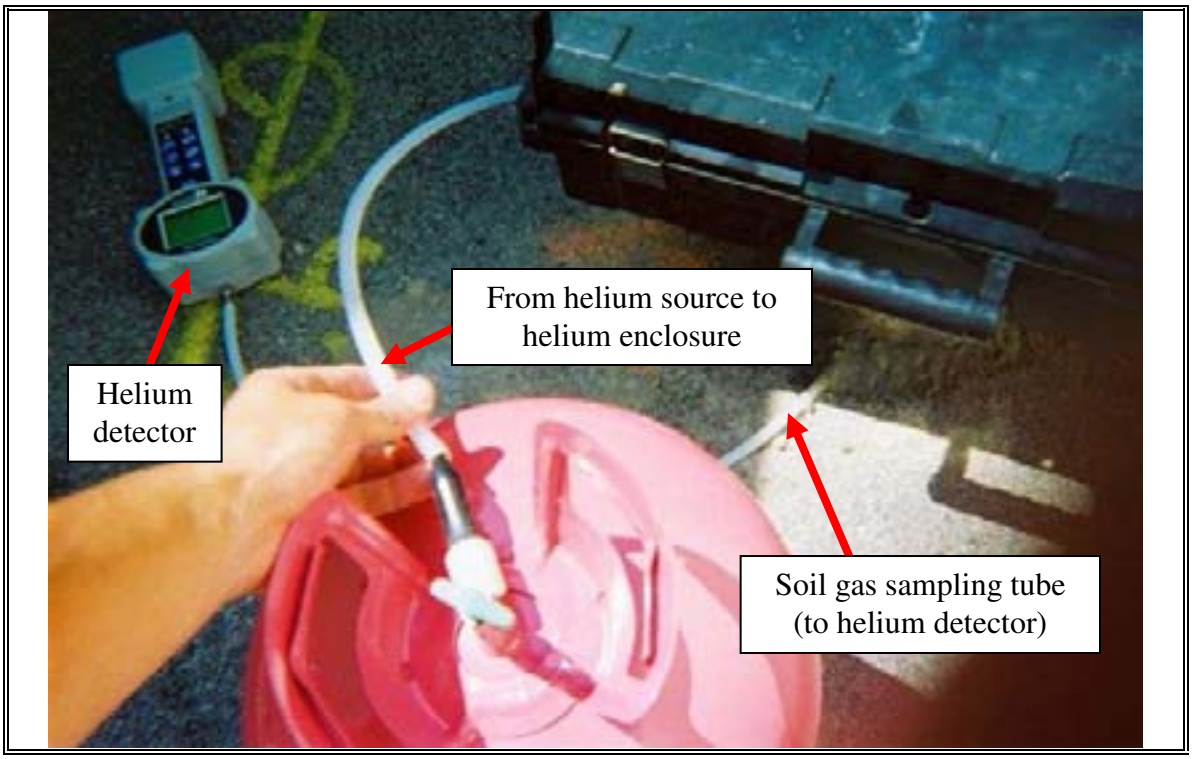

Helium detector
From helium source to helium enclosure
Soil gas sampling tube (to helium detector)

Photo No. 3

Attachment B
Laboratory Analytical Report for Soil Gas Samples

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Apex Companies, LLC
155 Tri County Parkway, Suite 250
Cincinnati, OH 45246
Attention: Jane Allan

Report Date: 8/28/2008
Re: Client Project ID: 1200081.01 / Southside Plaza
York Project No.: 08080716 A

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854

nelac nelap

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 8/28/2008
Client Project ID: 1200081.01 / Southside Plaza
York Project No.: 08080716 A

Apex Companies, LLC
155 Tri County Parkway, Suite 250
Cincinnati, OH 45246
Attention: Jane Allan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 08/21/08. The project was identified as your project "1200081.01 / Southside Plaza"

The analyses were conducted utilizing appropriate EPA, Standard Methods and ASTM methods as detailed in the data summary tables

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			SS-SV-1		SS-SV-2	
York Sample ID			08080716-01		08080716-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, TO-15 Halogenated List	EPA TO15	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	1.83	Not detected	0.366
1,1,2,2-tetrachloroethane			Not detected	1.83	Not detected	0.366
1,1,2-Trichloroethane			Not detected	1.83	Not detected	0.366
1,1-Dichloroethane			Not detected	1.83	Not detected	0.366
1,1-Dichloroethylene			Not detected	1.83	Not detected	0.366
1,2,4-Trichlorobenzene			Not detected	1.83	Not detected	0.366
1,2-Dibromoethane			Not detected	1.83	Not detected	0.366
1,2-Dichlorobenzene			Not detected	1.83	Not detected	0.366
1,2-Dichloroethane			Not detected	1.83	Not detected	0.366
1,2-Dichloropropane			Not detected	1.83	Not detected	0.366
1,2-Dichlorotetrafluoroethane			Not detected	1.83	Not detected	0.366
1,3-Dichlorobenzene			Not detected	1.83	Not detected	0.366
1,4-Dichlorobenzene			Not detected	1.83	"	0.366
Allyl Chloride			Not detected	1.83	Not detected	0.366
Benzyl Chloride			Not detected	1.83	Not detected	0.366
Bromodichloromethane			Not detected	1.83	Not detected	0.366

YORK

Client Sample ID			SS-SV-1		SS-SV-2	
York Sample ID			08080716-01		08080716-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Bromoform			Not detected	1.83	Not detected	0.366
Bromomethane			Not detected	1.83	Not detected	0.366
Carbon Tetrachloride			Not detected	1.83	Not detected	0.366
Chlorobenzene			Not detected	1.83	Not detected	0.366
Chloroethane			Not detected	1.83	Not detected	0.366
Chloroform			Not detected	1.83	Not detected	0.366
Chloromethane			Not detected	1.83	Not detected	0.366
cis-1,2-Dichloroethylene			34	1.83	Not detected	0.366
cis-1,3-Dichloropropylene			Not detected	1.83	Not detected	0.366
Dibromochloromethane			Not detected	1.83	Not detected	0.366
Dichlorodifluoromethane			Not detected	1.83	Not detected	0.366
Freon-113			Not detected	1.83	Not detected	0.366
Hexachloro-1,3-Butadiene			Not detected	1.83	Not detected	0.366
Methylene Chloride			Not detected	1.83	Not detected	0.366
Tetrachloroethylene			190	1.83	5.0	0.366
trans-1,2-Dichloroethylene			7.8	1.83	Not detected	0.366
trans-1,3-Dichloropropylene			Not detected	1.83	Not detected	0.366
Trichloroethylene			41	1.83	1.4	0.366
Trichlorofluoromethane			51	1.83	Not detected	0.366
Vinyl Bromide			Not detected	1.83	Not detected	0.366
Vinyl Chloride			Not detected	1.83	Not detected	0.366
Volatiles, TO-15 Halogenated List	EPA TO15	ug/cu.m.	---	---	---	---
1,1,1-Trichloroethane			Not detected	10.2	Not detected	2.03
1,1,2,2-Tetrachloroethane			Not detected	12.8	Not detected	2.56
1,1,2-Trichloroethane			Not detected	10.2	Not detected	2.03
1,1-Dichloroethane			Not detected	7.51	Not detected	1.50
1,1-Dichloroethylene			Not detected	7.42	Not detected	1.48
1,2,4-Trichlorobenzene			Not detected	15.2	Not detected	3.04
1,2-Dibromoethane			Not detected	14.3	Not detected	2.85
1,2-Dichlorobenzene			Not detected	11.0	Not detected	2.20
1,2-Dichloroethane			Not detected	7.51	Not detected	1.50
1,2-Dichloropropane			Not detected	8.61	Not detected	1.72
1,2-Dichlorotetrafluoroethane			Not detected	9.16	Not detected	1.83
1,3-Dichlorobenzene			Not detected	11.2	Not detected	2.23
1,4-Dichlorobenzene			Not detected	11.1	67.5	2.21
Allyl Chloride			Not detected	11.6	Not detected	2.32
Benzyl Chloride			Not detected	10.5	Not detected	2.10
Bromodichloromethane			Not detected	25.0	Not detected	5.00
Bromoform			Not detected	38.5	Not detected	7.69
Bromomethane			Not detected	7.24	Not detected	1.45
Carbon Tetrachloride			Not detected	11.7	Not detected	2.31
Chlorobenzene			Not detected	8.61	Not detected	1.72
Chloroethane			Not detected	4.95	Not detected	0.988
Chloroform			Not detected	9.07	Not detected	1.81
Chloromethane			Not detected	3.85	Not detected	0.769
cis-1,2-Dichloroethylene			137	7.42	Not detected	1.48
cis-1,3-Dichloropropylene			Not detected	9.07	Not detected	1.81
Dibromochloromethane			Not detected	31.8	Not detected	6.35
Dichlorodifluoromethane			Not detected	9.25	Not detected	1.85
Freon-113			Not detected	14.3	Not detected	2.85
Hexachloro-1,3-Butadiene			Not detected	13.0	Not detected	2.60

YORK

Client Sample ID			SS-SV-1		SS-SV-2	
York Sample ID			08080716-01		08080716-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Methylene Chloride			Not detected	6.50	Not detected	1.30
Tetrachloroethylene			1310	12.6	34.5	2.53
trans-1,2-Dichloroethylene			31.5	14.7	Not detected	2.95
trans-1,3-Dichloropropylene			Not detected	9.75	Not detected	1.85
Trichloroethylene			224	9.98	7.65	1.99
Trichlorofluoromethane			291	10.4	Not detected	2.09
Vinyl Bromide			Not detected	16.3	Not detected	3.26
Vinyl Chloride			Not detected	4.76	Not detected	0.952

Client Sample ID			SS-SS-1		SS-SS-2	
York Sample ID			08080716-03		08080716-04	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, TO-15 Halogenated List	EPA TO15	ppbv	---	---	---	---
1,1,1-Trichloroethane			29	0.2	Not detected	3.57
1,1,2,2-tetrachloroethane			Not detected	0.2	Not detected	3.57
1,1,2-Trichloroethane			Not detected	0.2	Not detected	3.57
1,1-Dichloroethane			Not detected	0.2	Not detected	3.57
1,1-Dichloroethylene			Not detected	0.2	Not detected	3.57
1,2,4-Trichlorobenzene			Not detected	0.2	Not detected	3.57
1,2-Dibromoethane			Not detected	0.2	Not detected	3.57
1,2-Dichlorobenzene			Not detected	0.2	Not detected	3.57
1,2-Dichloroethane			Not detected	0.2	Not detected	3.57
1,2-Dichloropropane			Not detected	0.2	Not detected	3.57
1,2-Dichlorotetrafluoroethane			Not detected	0.2	Not detected	3.57
1,3-Dichlorobenzene			Not detected	0.2	Not detected	3.57
1,4-Dichlorobenzene			13	0.2	210	3.57
Allyl Chloride			Not detected	0.2	Not detected	3.57
Benzyl Chloride			Not detected	0.2	Not detected	3.57
Bromodichloromethane			Not detected	0.2	Not detected	3.57
Bromoform			Not detected	0.2	Not detected	3.57
Bromomethane			Not detected	0.2	Not detected	3.57
Carbon Tetrachloride			Not detected	0.2	Not detected	3.57
Chlorobenzene			Not detected	0.2	Not detected	3.57
Chloroethane			Not detected	0.2	Not detected	3.57
Chloroform			Not detected	0.2	Not detected	3.57
Chloromethane			Not detected	0.2	Not detected	3.57
cis-1,2-Dichloroethylene			Not detected	0.2	Not detected	3.57
cis-1,3-Dichloropropylene			Not detected	0.2	Not detected	3.57
Dibromochloromethane			Not detected	0.2	Not detected	3.57
Dichlorodifluoromethane			Not detected	0.2	Not detected	3.57
Freon-113			Not detected	0.2	Not detected	3.57
Hexachloro-1,3-Butadiene			Not detected	0.2	Not detected	3.57
Methylene Chloride			Not detected	0.2	Not detected	3.57
Tetrachloroethylene			22	0.2	15	3.57
trans-1,2-Dichloroethylene			Not detected	0.2	Not detected	3.57
trans-1,3-Dichloropropylene			Not detected	0.2	Not detected	3.57
Trichloroethylene			3.1	0.2	Not detected	3.57
Trichlorofluoromethane			2.1	0.2	9.9	3.57

YORK

Client Sample ID			SS-SS-1		SS-SS-2	
York Sample ID			08080716-03		08080716-04	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Vinyl Bromide			Not detected	0.2	Not detected	3.57
Vinyl Chloride			Not detected	0.2	Not detected	3.57
Volatiles, TO-15 Halogenated List	EPA TO15	ug/cu.m	---	---	---	---
1,1,1-Trichloroethane			161	1.95	Not detected	19.8
1,1,2,2-tetrachloroethane			Not detected	2.46	Not detected	25.0
1,1,2-Trichloroethane			Not detected	1.95	Not detected	19.8
1,1-Dichloroethane			Not detected	1.44	Not detected	14.7
1,1-Dichloroethylene			Not detected	1.43	Not detected	14.5
1,2,4-Trichlorobenzene			Not detected	2.92	Not detected	29.7
1,2-Dibromoethane			Not detected	2.75	Not detected	27.9
1,2-Dichlorobenzene			Not detected	2.11	Not detected	21.4
1,2-Dichloroethane			Not detected	1.44	Not detected	14.7
1,2-Dichloropropane			Not detected	1.65	Not detected	16.8
1,2-Dichlorotetrafluoroethane			Not detected	1.76	Not detected	17.9
1,3-Dichlorobenzene			Not detected	2.15	Not detected	21.8
1,4-Dichlorobenzene			79.5	2.13	1280	21.6
Allyl Chloride			Not detected	2.24	Not detected	22.7
Benzyl Chloride			Not detected	2.02	Not detected	20.6
Bromodichloromethane			Not detected	4.80	Not detected	48.8
Bromoform			Not detected	7.39	Not detected	75.1
Bromomethane			Not detected	1.39	Not detected	14.1
Carbon Tetrachloride			Not detected	2.25	Not detected	22.9
Chlorobenzene			Not detected	1.65	Not detected	16.8
Chloroethane			Not detected	0.950	Not detected	9.65
Chloroform			Not detected	1.74	Not detected	17.7
Chloromethane			Not detected	0.739	Not detected	7.51
cis-1,2-Dichloroethylene			Not detected	1.43	Not detected	14.5
cis-1,3-Dichloropropylene			Not detected	1.74	Not detected	17.7
Dibromochloromethane			Not detected	6.11	Not detected	62.0
Dichlorodifluoromethane			Not detected	1.78	Not detected	18.0
Freon-113			Not detected	2.75	Not detected	27.9
Hexachloro-1,3-Butadiene			Not detected	2.50	Not detected	25.4
Methylene Chloride			Not detected	1.25	Not detected	12.7
Tetrachloroethylene			152	2.43	104	24.7
trans-1,2-Dichloroethylene			Not detected	2.83	Not detected	28.8
trans-1,3-Dichloropropylene			Not detected	1.78	Not detected	18.0
Trichloroethylene			16.9	1.92	Not detected	19.5
Trichlorofluoromethane			62.9	2.01	56.6	20.4
Vinyl Bromide			Not detected	3.13	Not detected	31.8
Vinyl Chloride			Not detected	0.915	Not detected	9.29

Units Key: For Waters (Liquids): ug/L = ppb ; mg/L = ppm For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

YORK

Report Date: 8/28/2008
Client Project ID: 1200081.01 / Southside Plaza
York Project No.: 08080716 A

Notes for York Project No. 08080716 A

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: _____ **Date:** 8/28/2008
Robert Q. Bradley
Managing Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

120 Research Drive Stratford, CT 06615
(203)325-1371 Fax (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 1

B808116

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature) / Name (Printed)
Apex Companies, LLC	Jane Allan JAllan@apexcos.com	Jane Allan	12000081.01	Greg Mendez-Chicas

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
SS-SV-1	Southside Plaza	8/18/08			X		TO-15 Chlorinated	Summa Canister
SS-SV-2								
SS-SS-1								
SS-SS-2								
UP-SV-1	University Plaza	8/19/08						
UP-SV-2								
PP-SS-1	Pine Plaza							
PP-SS-2								
PP-SV-1								

1
2
3

Chain-of-Custody Record

Bottles Relinquished from Lab by — Date/Time

Bottles Received in Field by — Date/Time

Sample Relinquished by — 8/20/08 Date/Time

Sample Relinquished by — Date/Time

Sample Received by — 8/21/08 0830 Date/Time

Sample Received in LAB by — Date/Time

Comments/Special Instructions

Turn-Around Time

___Standard ___RUSH(define)_____

Attachment C
Soil Boring Logs

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 1200081.001	PROJECT NAME: Phillips Edison SOUTHSIDE PLAZA NY P-2 Sites (1200081.001)		
BORING NUMBER: SS-SB-01	COORDINATES:		DATE: 8-18-08
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: RAMSler	Depth	Date/Time	DATE COMPLETED:
DRILLING METHODS: Direct Push			PAGE OF

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
0			0-4	Fill, Subbase, Blacktop				PID
				Brown fine grain Sand.				2 ppm
				Silty Brown stiff Clay				0.00
			4-8	Brown silty clay stiff moist				4-6 ft
10				Brown stiff Clay				0.00
				Wet Fine grain sand				6-8 ft
				Brown moist clay (stiff)				0.00
			8-12	Brown Soft Clay				8-10 ft
				Brown to Black Course Sand and gravel seem				0.00
20				Brown silty Clay with gravel stiff				10-12 ft
			12-14	Soft Brown Clay				0.00
				Sandy silty Brown Soft Clay				12-14
				Silty sandy Clay with gravel				0.00
				moist silty sandy Clay with gravel				14-16
30				Brown/red weathered shale				0.00
				Refusal @ 16.5ft				
40								

NOTES:

Drilling Contractor _____

Drilling Equipment _____

Driller: _____

Sampled @ 1:00

Soil Sampled from 12-14ft

No visual or olafactory markers observed.

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 120081.001	PROJECT NAME: Phillips Dixon NY P-2 SITES - SOUTHSIDE PLAZA		
BORING NUMBER: SS-SB-02	COORDINATES:		DATE: 8/18/08
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: Ramsler	Depth	Date/Time	DATE COMPLETED:
DRILLING METHODS: Push Probe			PAGE OF

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
0			0-4	Fill, gravel, silt, loose gravely sand and brown clay Black Clay layer observed @ 2ft				PID
				Sandy gravely Brown Clay				1-2 ft 0.00
			4-8	Soft Brow Clay with Red mottling and organics				2-4 ft 0.00
10				Gray Clay with Red organics				
			8-12	Brown moist Clay				4-6 ft 0.00
				Course Sand and gravel/seem				
				Moist Brown Clay with Sand/gravel				
				Sand ~~and gravel~~/moist Brom medium grain				6-8 ft 0.00
			12-16	Brown fine to medium sand				
20				Course Brown sand and small gravel -> water observed.				8-10 ft 0.00
				Brown stiff Clay/ moist				
				Refusal @ 16ft				10-12 ft 0.00
30								
40								

NOTES:

Drilling Contractor _____

Drilling Equipment _____

Driller: _____

Sampled @ 11:30

Soil sampled from 1-2 ft Due to observed Black layer.

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 200081.00	PROJECT NAME: Phillips Edison NY P-2 Sites - Southside Plaza		
BORING NUMBER: SS-SB-03	COORDINATES:		DATE: 8/18/08
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: Ramsey	Depth	Date/Time	DATE COMPLETED:
DRILLING METHODS: Push Probe			PAGE OF

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
0			0-4	Fill, Construction Sub base Sandy Clay with gravel Brown				PID
5			4-8	Gray Clay Soft With Sand Seam Moist Gray Soft Clay with Some Silty Sandy Clay with some sand gravel (Brown)				0-2 ft 0.00
10			8-12	Moist Brown Clay with Gray Clay Streaking Moist, Brown Clay with Some Sand and gravel / Some Sand / gravel seams				2-4 ft 0.00
15			0/16	Groundwater encountered Wet Brown Silty Clay with gravel Coarse gravel / Seam encountered				4-6 ft 0.00
20				Refusal / Shale encountered				6-8 0.00
								8-10 0.00
								10-12 ft 0.00
40								

NOTES:

Drilling Contractor _____

Drilling Equipment _____

Driller: _____

Sampled @ 10:15

Soil Depth 10-12 ft

No Visual or olifactory markers

Depth determined based on location of ground water

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 12000 81 . 001	PROJECT NAME: Phillips Edison NY P-2 Sites - Smithside Plaza		
BORING NUMBER: SS-SB-04	COORDINATES:	DATE: 8/18/08	
ELEVATION:	GWL: Depth Date/Time	DATE STARTED:	
ENGINEER/GEOLOGIST: Ramsey	Depth Date/Time	DATE COMPLETED:	
DRILLING METHODS: Push Probe		PAGE OF	

DEPTH ( )	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ( )	RECOVERY ( )	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
0			0-4	gravel Sbase ~~Coast~~ Course Brown Sand and gravel Brown soft Silty Sandy Clay Brown course sand Soft gray Clay with Trace gravel				PID 0-4ft 0.00 4-6ft 0.00
10			4-8	Brown course silty Sandy Clay gray soft Clay with Trace gravel Course Sand seems				6-8ft 0.00 8-10ft 0.00
20			8-12	Gray soft Clay Course grain Sand seem Fine grain silty Sand gray/Brown Brown/gray Silty clay Brown Silty clay with gravel				10-12ft 0.00 12-14 0.00
30			12-16	Gray silty Clay with gravel Gray Stiff Silty Clay Brown/Red Hard Clay Brown/Red Shale Refusal @ 15.8 ft				14-16 0.00
40								

NOTES:

Drilling Contractor _____

Drilling Equipment _____

Driller: _____

Sample @ 2:30

Soil sampled 8-10 ft Based on Highest observed moisture

NO Visual or olfactory Markers observed.

Attachment D
Laboratory Analytical Report for Soil and Groundwater Samples

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Apex Companies, LLC
155 Tri County Parkway
Suite 250
Cincinnati, OH 42546
Attention: Jane Allen, PhD

Report Date: 8/26/2008
Re: Client Project ID: 1200081
York Project No.: 08080653

CT License No. PH-0723 New Jersey License No. CT 009 New York License No. 10854

nelac nelap

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 8/26/2008
Client Project ID: 1200081
York Project No.: 08080653

Apex Companies, LLC
155 Tri County Parkway, Suite 250
Cincinnati, OH 45246
Attention: Jane Allen, PhD

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 08/20/08. The project was identified as your project "1200081".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			SS-SB-03	
York Sample ID			08080653-01	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Semi-Volatiles, STARS List	SW846-8270	ug/kG	---	---
Acenaphthene			Not detected	165
Acenaphthylene			Not detected	165
Anthracene			Not detected	165
Benzo[a]anthracene			Not detected	165
Benzo[a]pyrene			Not detected	165
Benzo[b]fluoranthene			Not detected	165
Benzo[g,h,i]perylene			Not detected	165
Benzo[k]fluoranthene			Not detected	165
Chrysene			Not detected	165
Dibenz[a,h]anthracene			Not detected	165
Fluoranthene			Not detected	165
Fluorene			Not detected	165
Indeno[1,2,3-cd]pyrene			Not detected	165
Naphthalene			Not detected	165
Phenanthrene			Not detected	165
Pyrene			Not detected	165

YORK

Client Sample ID			SS-SB-03	
York Sample ID			08080653-01	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Volatiles, Target Cmpd. List (TCL)	SW846-8260	ug/kG	---	---
1,1,1-Trichloroethane			Not detected	10
1,1,2,2-Tetrachloroethane			Not detected	10
1,1,2-Trichloroethane			Not detected	10
1,1,2-Trichlorotrifluoroethane (Freon 113)			Not detected	10
1,1-Dichloroethane			Not detected	10
1,1-Dichloroethene			Not detected	10
1,2,4-Trichlorobenzene			Not detected	10
1,2-Dibromo-3-Chloropropane			Not detected	10
1,2-Dibromoethane (ethylene dibromide)			Not detected	10
1,2-Dichlorobenzene			Not detected	10
1,2-Dichloroethane			Not detected	10
1,2-Dichloroethylene (cis-)			Not detected	10
1,2-Dichloroethylene(trans-)			Not detected	10
1,2-Dichloropropane			Not detected	10
1,3-Dichlorobenzene			Not detected	10
1,4-Dichlorobenzene			Not detected	10
2-Butanone			Not detected	10
2-Hexanone			Not detected	10
4-Methyl-2-pentanone			Not detected	10
Acetone			Not detected	10
Benzene			Not detected	10
Bromodichloromethane			Not detected	10
Bromoform			Not detected	10
Bromomethane			Not detected	10
Carbon disulfide			Not detected	10
Carbon tetrachloride			Not detected	10
Chlorobenzene			Not detected	10
Chloroethane			Not detected	10
Chloroform			Not detected	10
Chloromethane			Not detected	10
cis-1,3-Dichloropropene			Not detected	10
Dibromochloromethane			Not detected	10
Dichlorodifluoromethane			Not detected	10
Ethylbenzene			Not detected	10
Isopropylbenzene (Cumene)			Not detected	10
Methyl tert-butyl Ether (MTBE)			Not detected	10
Methylene chloride			Not detected	10
Styrene			Not detected	10
Tetrachloroethene			Not detected	10
Toluene			Not detected	10
trans-1,3-Dichloropropene			Not detected	10
Trichloroethene			Not detected	10
Trichlorofluoromethane			Not detected	10
Vinyl chloride			Not detected	10
Xylenes (total)			Not detected	10
Lead	SW846-6010	mg/kG	8.35	0.500

YORK

Client Sample ID			SS-SR-03	
York Sample ID			08080653-02	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Semi-Volatiles, STARS List	SW846-8270	ug/L	---	---
Acenaphthene			Not detected	7.1
Acenaphthylene			Not detected	7.1
Anthracene			Not detected	7.1
Benzo[a]anthracene			Not detected	7.1
Benzo[a]pyrene			Not detected	7.1
Benzo[b]fluoranthene			Not detected	7.1
Benzo[g,h,i]perylene			Not detected	7.1
Benzo[k]fluoranthene			Not detected	7.1
Chrysene			Not detected	7.1
Dibenz[a,h]anthracene			Not detected	7.1
Fluoranthene			Not detected	7.1
Fluorene			Not detected	7.1
Indeno[1,2,3-cd]pyrene			Not detected	7.1
Naphthalene			Not detected	7.1
Phenanthrene			Not detected	7.1
Pyrene			Not detected	7.1
Volatiles, Target Cmpd. List (TCL)	SW846-8260	ug/L	---	---
1,1,1-Trichloroethane			Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0
1,1,2-Trichlorotrifluoroethane (Freon 113)			Not detected	5.0
1,1-Dichloroethane			Not detected	5.0
1,1-Dichloroethene			Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0
1,2-Dibromo-3-Chloropropane			Not detected	5.0
1,2-Dibromoethane (ethylene dibromide)			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,2-Dichloroethylene (cis-)			Not detected	5.0
1,2-Dichloroethylene(trans-)			Not detected	5.0
1,2-Dichloropropane			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
2-Butanone			Not detected	5.0
2-Hexanone			Not detected	5.0
4-Methyl-2-pentanone			Not detected	5.0
Acetone			Not detected	5.0
Benzene			Not detected	5.0
Bromodichloromethane			Not detected	5.0
Bromoform			Not detected	5.0
Bromomethane			Not detected	5.0
Carbon disulfide			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroethane			Not detected	5.0
Chloroform			Not detected	5.0
Chloromethane			Not detected	5.0
cis-1,3-Dichloropropene			Not detected	5.0

YORK

Client Sample ID			SS-SB-03	
York Sample ID			08080653-02	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Dibromochloromethane			Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0
Ethylbenzene			Not detected	5.0
Isopropylbenzene (Cumene)			Not detected	5.0
Methyl tert-butyl Ether (MTBE)			Not detected	5.0
Methylene chloride			Not detected	5.0
Styrene			Not detected	5.0
Tetrachloroethene			Not detected	5.0
Toluene			Not detected	5.0
trans-1,3-Dichloropropene			Not detected	5.0
Trichloroethene			Not detected	5.0
Trichlorofluoromethane			Not detected	5.0
Vinyl chloride			Not detected	5.0
Xylenes (total)			Not detected	5.0
Lead, Dissolved	SW846-6010	mg/L	Not detected	0.005
Lead	SW846-6010	mg/L	0.499	0.005

Client Sample ID			SS-SB-02	
York Sample ID			08080653-03	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Semi-Volatiles, STARS List	SW846-8270	ug/kG	---	---
Acenaphthene			Not detected	165
Acenaphthylene			Not detected	165
Anthracene			Not detected	165
Benzo[a]anthracene			Not detected	165
Benzo[a]pyrene			Not detected	165
Benzo[b]fluoranthene			Not detected	165
Benzo[g,h,i]perylene			Not detected	165
Benzo[k]fluoranthene			Not detected	165
Chrysene			Not detected	165
Dibenz[a,h]anthracene			Not detected	165
Fluoranthene			Not detected	165
Fluorene			Not detected	165
Indeno[1,2,3-cd]pyrene			Not detected	165
Naphthalene			Not detected	165
Phenanthrene			Not detected	165
Pyrene			Not detected	165
Volatiles, Target Cmpd. List (TCL)	SW846-8260	ug/kG	---	---
1,1,1-Trichloroethane			Not detected	10
1,1,2,2 Tetrachloroethane			Not detected	10
1,1,2-Trichloroethane			Not detected	10
1,1,2-Trichlorotrifluoroethane (Freon 113)			Not detected	10
1,1-Dichloroethane			Not detected	10
1,1-Dichloroethene			Not detected	10
1,2,4-Trichlorobenzene			Not detected	10
1,2-Dibromo-3-Chloropropane			Not detected	10
1,2-Dibromoethane (ethylene dibromide)			Not detected	10
1,2-Dichlorobenzene			Not detected	10

YORK

Client Sample ID			SS-SB-02	
York Sample ID			08080653-03	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
1,2-Dichloroethane			Not detected	10
1,2-Dichloroethylene (cis-)			Not detected	10
1,2-Dichloroethylene(trans-)			Not detected	10
1,2-Dichloropropane			Not detected	10
1,3-Dichlorobenzene			Not detected	10
1,4-Dichlorobenzene			Not detected	10
2-Butanone			Not detected	10
2-Hexanone			Not detected	10
4-Methyl-2-pentanone			Not detected	10
Acetone			Not detected	10
Benzene			Not detected	10
Bromodichloromethane			Not detected	10
Bromoform			Not detected	10
Bromomethane			Not detected	10
Carbon disulfide			Not detected	10
Carbon tetrachloride			Not detected	10
Chlorobenzene			Not detected	10
Chloroethane			Not detected	10
Chloroform			Not detected	10
Chloromethane			Not detected	10
cis-1,3-Dichloropropene			Not detected	10
Dibromochloromethane			Not detected	10
Dichlorodifluoromethane			Not detected	10
Ethylbenzene			Not detected	10
Isopropylbenzene (Cumene)			Not detected	10
Methyl tert-butyl Ether (MTBE)			Not detected	10
Methylene chloride			Not detected	10
Styrene			Not detected	10
Tetrachloroethene			Not detected	10
Toluene			Not detected	10
trans-1,3-Dichloropropene			Not detected	10
Trichloroethene			Not detected	10
Trichlorofluoromethane			Not detected	10
Vinyl chloride			Not detected	10
Xylenes (total)			Not detected	10
Lead	SW846-6010	ug/kG	125	0.500

Client Sample ID			SS-SB-02	
York Sample ID			08080653-04	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Semi-Volatiles, STARS List	SW846-8270	ug/L	---	-
Acenaphthene			Not detected	5.9
Acenaphthylene			Not detected	5.9
Anthracene			Not detected	5.9
Benzo[a]anthracene			Not detected	5.9
Benzo[a]pyrene			Not detected	5.9
Benzo[b]fluoranthene			Not detected	5.9
Benzo[g,h,i]perylene			Not detected	5.9

YORK

Client Sample ID			SS-SB-02	
York Sample ID			08080653-04	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Benzo[k]fluoranthene			Not detected	5.9
Chrysene			Not detected	5.9
Dibenz[a,h]anthracene			Not detected	5.9
Fluoranthene			Not detected	5.9
Fluorene			Not detected	5.9
Indeno[1,2,3-cd]pyrene			Not detected	5.9
Naphthalene			Not detected	5.9
Phenanthrene			Not detected	5.9
Pyrene			Not detected	5.9
Volatiles, Target Cmpd. List (TCL)	SW846-8260	ug/L	---	---
1,1,1-Trichloroethane			Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0
1,1,2-Trichlorotrifluoroethane (Freon 113)			Not detected	5.0
1,1-Dichloroethane			Not detected	5.0
1,1-Dichloroethene			Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0
1,2-Dibromo-3-Chloropropane			Not detected	5.0
1,2-Dibromoethane (ethylene dibromide)			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,2-Dichloroethylene (cis-)			Not detected	5.0
1,2-Dichloroethylene(trans-)			Not detected	5.0
1,2-Dichloropropane			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
2-Butanone			Not detected	5.0
2-Hexanone			Not detected	5.0
4-Methyl-2-pentanone			Not detected	5.0
Acetone			Not detected	5.0
Benzene			Not detected	5.0
Bromodichloromethane			Not detected	5.0
Bromoform			Not detected	5.0
Bromomethane			Not detected	5.0
Carbon disulfide			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloromethane			Not detected	5.0
Chloroform			Not detected	5.0
Chloromethane			Not detected	5.0
cis-1,3-Dichloropropene			Not detected	5.0
Dibromochloromethane			Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0
Ethylbenzene			Not detected	5.0
Isopropylbenzene (Cumene)			Not detected	5.0
Methyl tert butyl Ether (MTBE)			Not detected	5.0
Methylene chloride			Not detected	5.0
Styrene			Not detected	5.0
Tetrachloroethene			Not detected	5.0
Toluene			Not detected	5.0

YORK

Client Sample ID			SS-SB-02	
York Sample ID			08080653-04	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
trans-1,3-Dichloropropene			Not detected	5.0
Trichloroethene			Not detected	5.0
Trichlorofluoromethane			Not detected	5.0
Vinyl chloride			Not detected	5.0
Xylenes (total)			Not detected	5.0
Lead, Dissolved	SW846-6010	mg/L	Not detected	0.005
Lead	SW846-6010	mg/L	0.093	0.005

Client Sample ID			SS-SB-01	
York Sample ID			08080653-05	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Semi-Volatiles, STARS List	SW846-8270	ug/kG	---	---
Acenaphthene			Not detected	165
Acenaphthylene			Not detected	165
Anthracene			Not detected	165
Benzo[a]anthracene			Not detected	165
Benzo[a]pyrene			Not detected	165
Benzo[b]fluoranthene			Not detected	165
Benzo[g,h,i]perylene			Not detected	165
Benzo[k]fluoranthene			Not detected	165
Chrysene			Not detected	165
Dibenz[a,h]anthracene			Not detected	165
Fluoranthene			Not detected	165
Fluorene			Not detected	165
Indeno[1,2,3-cd]pyrene			Not detected	165
Naphthalene			Not detected	165
Phenanthrene			Not detected	165
Pyrene			Not detected	165
Volatiles, Target Cmpd. List (TCL)	SW846 8260	ug/kG	---	---
1,1,1-Trichloroethane			Not detected	10
1,1,2,2-Tetrachloroethane			Not detected	10
1,1,2-Trichloroethane			Not detected	10
1,1,2-Trichlorotrifluoroethane (Freon 113)			Not detected	10
1,1-Dichloroethane			Not detected	10
1,1-Dichloroethene			Not detected	10
1,2,4-Trichlorobenzene			Not detected	10
1,2-Dibromo-3-Chloropropane			Not detected	10
1,2-Dibromoethane (ethylene dibromide)			Not detected	10
1,2-Dichlorobenzene			Not detected	10
1,2-Dichloroethane			Not detected	10
1,2-Dichloroethylene (cis-)			Not detected	10
1,2-Dichloroethylene(trans-)			Not detected	10
1,2-Dichloropropane			Not detected	10
1,3-Dichlorobenzene			Not detected	10
1,4-Dichlorobenzene			Not detected	10
2-Butanone			Not detected	10
2-Hexanone			Not detected	10

YORK

Client Sample ID			SS-SB-01	
York Sample ID			08080653-05	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
4-Methyl-2-pentanone			Not detected	10
Acetone			Not detected	10
Benzene			Not detected	10
Bromodichloromethane			Not detected	10
Bromoform			Not detected	10
Bromomethane			Not detected	10
Carbon disulfide			Not detected	10
Carbon tetrachloride			Not detected	10
Chlorobenzene			Not detected	10
Chloroethane			Not detected	10
Chloroform			Not detected	10
Chloromethane			Not detected	10
cis-1,3-Dichloropropene			Not detected	10
Dibromochloromethane			Not detected	10
Dichlorodifluoromethane			Not detected	10
Ethylbenzene			Not detected	10
Isopropylbenzene (Cumene)			Not detected	10
Methyl tert-butyl Ether (MTBE)			Not detected	10
Methylene chloride			Not detected	10
Styrene			Not detected	10
Tetrachloroethene			Not detected	10
Toluene			Not detected	10
trans-1,3-Dichloropropene			Not detected	10
Trichloroethene			Not detected	10
Trichlorofluoromethane			Not detected	10
Vinyl chloride			Not detected	10
Xylenes (total)			Not detected	10
Lead	SW846-6010	mg/kG	61.6	0.500

Client Sample ID			SS-SB-01	
York Sample ID			08080653-06	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Semi-Volatiles, STARS List	SW846-8270	ug/L	---	---
Acenaphthene			Not detected	7.1
Acenaphthylene			Not detected	7.1
Anthracene			Not detected	7.1
Benzo[a]anthracene			Not detected	7.1
Benzo[a]pyrene			Not detected	7.1
Benzo[b]fluoranthene			Not detected	7.1
Benzo[g,h,i]perylene			Not detected	7.1
Benzo[k]fluoranthene			Not detected	7.1
Chrysene			Not detected	7.1
Dibenz[a,h]anthracene			Not detected	7.1
Fluoranthene			Not detected	7.1
Fluorene			Not detected	7.1
Indeno[1,2,3-cd]pyrene			Not detected	7.1
Naphthalene			Not detected	7.1
Phenanthrene			Not detected	7.1

YORK

Client Sample ID			SS-SB-01	
York Sample ID			08080653-06	
Matrix			WATER	
Parameter	**Method**	**Units**	**Results**	**MDL**
Pyrene			Not detected	7.1
Volatiles, Target Cmpd. List (TCL)	SW846-8260	ug/L	---	---
1,1,1-Trichloroethane			Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0
1,1,2-Trichlorotrifluoroethane (Freon 113)			Not detected	5.0
1,1-Dichloroethane			Not detected	5.0
1,1-Dichloroethene			Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0
1,2-Dibromo-3-Chloropropane			Not detected	5.0
1,2-Dibromoethane (ethylene dibromide)			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,2-Dichloroethylene (cis-)			Not detected	5.0
1,2-Dichloroethylene(trans-)			Not detected	5.0
1,2-Dichloropropane			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
2-Butanone			Not detected	5.0
2 Hexanone			Not detected	5.0
4-Methyl-2-pentanone			Not detected	5.0
Acetone			Not detected	5.0
Benzene			Not detected	5.0
Bromodichloromethane			Not detected	5.0
Bromoform			Not detected	5.0
Bromomethane			Not detected	5.0
Carbon disulfide			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroethane			Not detected	5.0
Chloroform			Not detected	5.0
Chloromethane			Not detected	5.0
cis-1,3-Dichloropropene			Not detected	5.0
Dibromochloropropane			Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0
Ethylbenzene			Not detected	5.0
Isopropylbenzene (Cumene)			Not detected	5.0
Methyl tert butyl Ether (MTBE)			Not detected	5.0
Methylene chloride			Not detected	5.0
Styrene			Not detected	5.0
Tetrachloroethene			62	5.0
Toluene			Not detected	5.0
trans-1,3-Dichloropropene			Not detected	5.0
Trichloroethene			Not detected	5.0
Trichlorofluoromethane			Not detected	5.0
Vinyl chloride			Not detected	5.0
Xylenes (total)			Not detected	5.0
Lead, Dissolved	SW846-6010	mg/L	Not detected	0.005
Lead	SW846-6010	mg/L	4.15	0.005

YORK

Client Sample ID			SS-SB-04	
York Sample ID			08080653-07	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Semi-Volatiles, STARS List	SW846-8270	ug/kG	---	---
Acenaphthene			Not detected	165
Acenaphthylene			Not detected	165
Anthracene			Not detected	165
Benzo[a]anthracene			Not detected	165
Benzo[a]pyrene			Not detected	165
Benzo[b]fluoranthene			Not detected	165
Benzo[g,h,i]perylene			Not detected	165
Benzo[k]fluoranthene			Not detected	165
Chrysene			Not detected	165
Dibenz[a,h]anthracene			Not detected	165
Fluoranthene			Not detected	165
Fluorene			Not detected	165
Indeno[1,2,3-cd]pyrene			Not detected	165
Naphthalene			Not detected	165
Phenanthrene			Not detected	165
Pyrene			Not detected	165
Volatiles, Target Cmpd. List (TCL)	SW846-8260	ug/kG	---	---
1,1,1-Trichloroethane			Not detected	10
1,1,2,2-Tetrachloroethane			Not detected	10
1,1,2-Trichloroethane			Not detected	10
1,1,2-Trichlorotrifluoroethane (Freon 113)			Not detected	10
1,1-Dichloroethane			Not detected	10
1,1-Dichloroethene			Not detected	10
1,2,4-Trichlorobenzene			Not detected	10
1,2-Dibromo-3-Chloropropane			Not detected	10
1,2-Dibromoethane (ethylene dibromide)			Not detected	10
1,2-Dichlorobenzene			Not detected	10
1,2-Dichloroethane			Not detected	10
1,2-Dichloroethylene (cis-)			Not detected	10
1,2-Dichloroethylene(trans-)			Not detected	10
1,2-Dichloropropane			Not detected	10
1,3-Dichlorobenzene			Not detected	10
1,4-Dichlorobenzene			Not detected	10
2-Butanone			Not detected	10
2-Hexanone			Not detected	10
4-Methyl-2-pentanone			Not detected	10
Acetone			Not detected	10
Benzene			Not detected	10
Bromodichloromethane			Not detected	10
Bromoform			Not detected	10
Bromomethane			Not detected	10
Carbon disulfide			Not detected	10
Carbon tetrachloride			Not detected	10
Chlorobenzene			Not detected	10
Chloroethane			Not detected	10
Chloroform			Not detected	10
Chloromethane			Not detected	10
cis-1,3-Dichloropropene			Not detected	10

YORK

Client Sample ID			SS-SB-04	
York Sample ID			08080653-07	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Dibromochloromethane			Not detected	10
Dichlorodifluoromethane			Not detected	10
Ethylbenzene			Not detected	10
Isopropylbenzene (Cumene)			Not detected	10
Methyl tert-butyl Ether (MTBE)			Not detected	10
Methylene chloride			Not detected	10
Styrene			Not detected	10
Tetrachloroethene			Not detected	10
Toluene			Not detected	10
trans-1,3-Dichloropropene			Not detected	10
Trichloroethene			Not detected	10
Trichlorofluoromethane			Not detected	10
Vinyl chloride			Not detected	10
Xylenes (total)			Not detected	10
Lead	SW846-6010	mg/kG	36.4	0.500

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 08080653

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: _____ **Date:** 8/26/2008
Robert Q. Bradley
Managing Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

1112 Main Street Stratford, CT 06615
(203) 325-1371 Fax (203) 357-0166

Field Chain-of-Custody Record

08080653

Company Name	Report To:	Invoice To:	Project ID/No
Apex Companies	Jane Allan	Jane Allan	120081

Samples Collected By (Signature)

Jen Ramsey
Name (Printed)

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
SS-SB-03	Southside Plaza	8/18/08		X			VOCs	1 small Glass
SS-SB-03	South Side Plaza	8/18/08		X			SVOCs, Lead	1 Large Glass
SS-SB-03	Southside Plaza	8/18/08	X				VOCs	2 Small Glass
SS-SB-03	South side Plaza	8/18/08	X				SVOCs	1 large Amber
SS-SB-03	South side Plaza	8/18/08	X				unresolved Lead	1 Plastic
SS-SB-03	Southside Plaza	8/18/08	X				Dissolved Lead (Lab Filter)	1 Plastic
SS-SB-02	South Side Plaza	8/18/08		X			VOCs	1 small Glass
SS-SB-02	Southside Plaza	8/18/08		X			SVOCs, Lead	1 large Glass
SS-SB-02	South Side Plaza	8/18/08	X				VOCs	2 small Glass
SS-SB-02	South Side Plaza	8/18/08	X				SVOCs	1 large Amber

Chain-of-Custody Record

Bottles Relinquished from Lab by: Jen Ramsey — Date/Time: 8/19/08 3:40
Bottles Received in Field by

Sample Relinquished by — Date/Time: 8/19/08 7:30
Sample Relinquished by — Date/Time

Sample Received by — Date/Time: 8/20/08 9:30
Sample Received in LAB by

Comments/Special Instructions: Lead - EPA 6010B/7471 VOC - TCL EPA 8260 SVOC STARS EPA 8270

4.2

Turn-Around Time: ___Standard ___RUSH(define)

YORK
ANALYTICAL LABORATORIES, INC.

120 Research Drive Stratford, CT 06615
(203) 325-1371 Fax (203) 357-0166

Field Chain-of-Custody Record

0808U053

Company Name	Report To.	Invoice To:	Project ID/No.	Samples Collected By (Signature)
Apex Companies	Jane Allan	Jane Allan	1200081	Jim Ramsler (Name (Printed))

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
SS-SB-02	South side Plaza	8/18/08	X				undissolved lead (Lab Filter)	1 Plastic
SS-SB-02	South Side Plaza	8/18/08	X				Dissolved Lead	1 Plastic
SS-SB-01	South Side Plaza	8/18/08		X			VOCs	1 small glass
SS-SB-01	South Side Plaza	8/18/08		X			SVOCs, Lead	1 large glass
SS-SB-01	South side Plaza	8/18/08	X				VOCs	2 Small Glass
SS-SB-01	South Side Plaza	8/18/08	X				SVOCs	1 large Amber
SS-SB-01	South Side Plaza	8/18/08	X				undissolved Lead	1 Plastic
SS-SB-01	South Side Plaza	8/18/08	X				Dissolved Lead (Lab Filter)	1 Plastic
SS-SB-04	South side Plaza	8/18/08		X			VOCs	1 small glass
SS-SB-04	South side Plaza	8/18/08		X			SVOCs, Lead	1 large Glass

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
Bottles Received in Field by	8/14/08 3:20	Sample Relinquished by	8/19/08 7:50	Sample Received in LAB by	8/20/08 9:30

Comments/Special Instructions

Lead - EPA 6010/7471 VOC - TCL EPA 8260 SVOC - STARS EPA 8270

42 Turn-Around Time

___Standard ___RUSH(define)_____

Apex Companies, LLC
"Where Excellence Meets Value"

155 Tri-County Parkway
Suite 250
Cincinnati, Ohio 45246
Telephone: 513-771-3617
Facsimile: 513-771-3723

May 4, 2010

Ms. Jennifer Weingartner
Phillips Edison & Company
11501 Northlake Drive
Cincinnati, Ohio 45249

Re: Reporting on Additional Site Investigation
Southside Plaza, 704 – 744 Foote Avenue
Jamestown, New York

Dear Ms. Weingartner,

Apex Companies, LLC is pleased to provide Phillips Edison & Company Ltd (PECO) with the results of the additional site investigation activities conducted in March 2010 at the above-referenced Site.

BACKGROUND

The Southside Plaza is located at 704-744 Foote Avenue in Jamestown, New York (Figure 1). Previous Phase 1 Assessments identified a dry cleaner and former gas station on the Site. The exact location of the dry cleaner was not known, however, it was reportedly located at the southern edge of the tenant lease areas. In August 2008, two subsurface soil gas samples and two sub-slab soil gas samples were collected to evaluate the reported location of the former dry cleaner. The highest levels of Tetrachloroethene (PCE) and Trichloroethene (TCE) were found in the subsurface soil gas sample collected in front of the Quality Market tenant space (1,310 µg/m^3 PCE and 224 µg/m^3 TCE at SV-1). PCE and its breakdown products were also detected in the two sub-slab soil gas samples and the subsurface soil gas sample collected behind the building. The area investigated was the southernmost tenant space (Quality Market) on the property. The adjacent tenant space to south of the Quality Market is not owned by Phillips Edison (see Figure 2).

During the August 2008 investigation, the former gas station located on the northern portion of the Site was also evaluated by advancing 4 soil borings and collecting soil and groundwater

samples. Though no petroleum related constituents were detected in the soil or groundwater samples, PCE was detected in groundwater at 61 µg/l at SB-1 (above the generic state screening level of 5 µg/l; see Figure 3).

Since the previous investigation, additional research by the property manager indicates that a dry cleaner may have operated in the vicinity of the tenant space currently occupied by UPS, the northern-most tenant space. Apex developed the following scope of work for further investigation based on the previous findings and the possible dry cleaner location at the tenant space occupied by UPS.

- Collect soil and groundwater samples at a single boring located behind the Quality Market tenant space and two borings located at the front of the Quality Market tenant space.

- Collect a groundwater sample at a single boring location in the vicinity of SS-SB-01, where elevated levels of PCE were identified in the groundwater collected from the temporary well installed during investigation of the former gas station.

- Collect a soil and groundwater sample near the north east corner of the strip center, adjacent to the UPS tenant space.

- Collect indoor air samples at two locations within the Quality Market tenant space.

- Collect an indoor air and a sub-slab soil gas sample at the UPS tenant space.

FIELD INVESTIGATION

On March 31, 2010, Eric Wysong, a representative from Apex, conducted investigation activities. "Call Before You Dig" was notified at least 72 hours prior to initiating the work for the clearance of underground utilities in the vicinity of each of the sampling locations.

1. SUB-SLAB SOIL GAS SAMPLING

Sub-slab soil vapor sampling activities were conducted in general accordance with the applicable New York State Department of Health (NYSDOH) guidance document entitled "*Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*," dated October of 2006, (hereinafter, the NYSDOH Guidance Document). Upon completion of the sampling activities, the poly tubing was removed, the penetration was sealed with hydrated bentonite, the surface was repaired with concrete and the carpeting was replaced.

At the interior sub-slab soil gas sampling location (SS-UPS), a 1½ inch-diameter access hole was cut with a hammer drill through the 6 to 8-inch-thick concrete floor. SS-UPS was located adjacent to the door along the outside wall on the north side of the building. The sub-slab soil vapor sampling implant was installed utilizing a hand auger and consisted of a six-inch-long stainless-steel screen with one-quarter-inch-diameter polyethylene tubing set approximately 2-inches below the bottom of the slab. Clean filter pack sand was utilized to fill the annular space to two-inches above the top of the screen, with the remaining annular space filled with hydrated bentonite.

The semi-permanent vapor probe was allowed to equilibrate for a minimum of one hour prior to sampling. Prior to sampling, the point was purged of a minimum of three tube volumes of soil vapor. In addition, as a quality assurance/quality control (QA/QC) measure, helium was introduced into a closed/sealed space surrounding the sampling tube as a tracer gas to confirm the integrity of the probe seals to ensure that no air intrusion impacted the soil vapor sample (e.g., no "short circuiting" occurred). The closed/sealed space around the sampling tube was formed utilizing an inverted container placed atop of the ground at the point where sampling tubing exits the subsurface. The sampling tubing was run through the bottom of the container and another length of tubing was run from the helium supply through the bottom of the container. The sampling tube was connected to a helium detector and monitored over a period of at least 5 minutes to confirm that helium was not present in the soil gas sample and the seals associated with the semi-permanent sampling points were effective in preventing infiltration of atmospheric air into the soil vapor points.

A laboratory-supplied six-liter vacuum Summa canister was connected to the polyethylene tubing subsequent to the purging and leak testing. The sample was collected over a one-hour period at a flow rate of 0.1 liters per minute (LPM), which is less than the maximum flow rate of 0.2 LPM as established in the NYSDOH Guidance Document.

Analysis of Sub-Slab Soil Gas Samples

The sub-slab soil gas sample (with appropriate chain-of-custody) was submitted to York Analytical Laboratories, Inc., a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory for analysis of volatile organic compounds (VOCs) by EPA Method TO-15. The laboratory analytical report and chain-of-custody forms are included in Attachment A.

2. INDOOR AIR SAMPLING

At each indoor air sampling location, a sample was collected with a laboratory-supplied six-liter vacuum Summa canister, equipped with a laboratory calibrated flow regulator. The sample was collected over a 6-hour period, to be representative of a range of analyte concentrations over a typical 8-hour work day.

Analysis of Indoor Air Samples

The indoor air samples (with appropriate chain-of-custody) were submitted to York Analytical Laboratories, Inc., a NYSDOH ELAP-certified laboratory for analysis of VOCs by EPA Method TO-15 and with Selective Ion Microscopy (SIM) for target analytes. The laboratory analytical report and chain-of-custody forms are included in Attachment A.

3. SOIL AND GROUNDWATER SAMPLING

Soil and Groundwater Sampling by Direct Push Technology

On March 31, 2010, SB-5 through SB-9 were advanced using a truck-mounted Direct Push Technology (DPT) drill rig operated by Nature's Way Environmental. At each boring location, soil borings were logged, screened by visual and olfactory inspection by Apex geologist Eric Wysong, and field screened for the presence of VOCs utilizing a calibrated PID.

Wet soils were encountered at depths of 5 to 13 feet below ground surface (bgs) and borings were terminated when refusal was met between 7.5 to 16 feet bgs. Beneath the parking lot blacktop and sub-base, subsurface lithologies consisted of silty clay and fine-grained sand with seams consisting of very coarse sand and gravel. With the exception of SB-5, where PID readings of 0.2 to 1.2 ppm were detected, none of the soil from the five soil borings exhibited visual or olfactory evidence of contamination or positive PID responses. Where no evidence of impacted soil was identified during screening, soil samples were collected from the intervals at which the highest moisture content was observed, with the rationale that contaminants may have become perched on a higher water zone. Soil boring logs are included in Attachment B.

A temporary well screen was placed in each of the boreholes and groundwater samples were collected from the open boreholes using disposable bailers. The groundwater was poured directly into the laboratory provided sample bottles.

Analysis of Soil and Groundwater Samples

The soil and groundwater samples were submitted to York Analytical Laboratories, Inc. (York), a NYSDOH ELAP-certified laboratory for analysis of halogenated VOCs by EPA Method 8260. The laboratory analytical report and chain of custody forms are included in Attachment C.

4. FINDINGS

Soil Gas and Indoor Air Samples

The NYSDOH Guidance Document provides specific contaminant thresholds for the following VOCs in sub-slab and indoor air samples: carbon tetrachloride (CT), PCE, 1,1,1 trichloroethane (TCA) and TCE. The Guidance Document provides the following recommendations based upon both the sub-slab vapor and indoor air sampling results:

- No further action;
- Take reasonable steps and practical actions to identify sources and reduce exposures;
- Monitor; or
- Mitigate.

Indoor air and sub-slab soil gas data collected at both the Quality Market and the UPS tenant space are presented in Table 1 along with recommended actions from the NYSDOH Guidance Document decision matrices for the four VOCs considered. A copy of the NYSDOH vapor intrusion decision matrices is provided in Appendix D. Results for soil gas and indoor air samples are presented in Figure 2. (Note that sub-slab soil gas data from the Quality Market was collected in August 2008).

Based on the levels of PCE in indoor air and in the sub-slab soil gas at the Quality Market, the NYSDOH guidance indicated that monitoring or mitigating may be recommended after considering the magnitude of sub-slab vapor and indoor air concentrations along with building- and site-specific conditions. In consideration of the levels of PCE in the sub-slab, and levels of PCE and TCE in the soil gas sample (SV-1) collected outside the building footprint that were an order of magnitude higher, mitigation is recommended at the Quality Market tenant space.

Based on the levels of chlorinated VOCs in indoor air and subslab soil gas at the UPS tenant space, the NYSDOH guidance indicated that no further action was required with respect to PCE

and 1,1,1 TCA, but that reasonable steps to be taken to identify source and reduce exposure to CT and TCE. Based on its proximity and notable fumes observed during sampling activities, the source is likely products used at the adjacent nail salon.

Soil and Groundwater Samples

Soil analytical data was compared to NYSDEC Recommended Soil Cleanup Objectives (RSCOs) included in the NYSDEC Technical Administrative Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Levels, revised in April 1995, and 2000 update (TAGM – RSCO).

Detections of halogenated VOCs in soils are summarized in Table 2. With the exception of very low levels of PCE at SB-8, no VOCs were detected in soils above their laboratory Method Detection Limits (MDLs). These data support the visual and olfactory observations, and PID responses that indicated that soils in the areas sampled have not been impacted by a release of VOCs.

Groundwater analytical data was compared to Standards for the Protection of Source Drinking Water (groundwater) provided in NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limits (TOGS111). In the case of halogenated VOCs, and PCE in particular, this standard is applicable for all groundwater classifications.

Detections of halogenated VOCs in groundwater are summarized in Table 3. With the exception of PCE detected in SB-5, SB-6 SB-8 and SB-9, no VOCs were detected in groundwater above their laboratory Method Detection Limits (MDLs). Levels of PCE detected ranged from 22 to 50 ug/L, above the groundwater standard of 5 ug/L. TCE was detected at a concentration below the method detection limit in SB-5, SB-6 and SB-9. In addition, methylene chlorine was found at levels below the detected, however, since this compound was also detected in the lab blank, it is assumed to be a laboratory contaminant. Results of groundwater sampling are presented in Figure 3.

Based on Apex's evaluation, detections of halogenated VOCs in soil and groundwater samples collected in the vicinity of the dry cleaner and assumed down gradient areas, with respect to NYSDEC TAGM – RSCO and TOGS111:

- With the exception of PCE at SB-8 (3.5 µg/kg), no VOCs are present above MDLs in the soil samples. The standard for PCE is soil is 1,400 µg/kg.

- Levels of PCE in groundwater ranged from 22 to 50 ug/L in 4 of the 5 locations where samples were collected, and included samples collected by the Quality Market (the presumed source area) and the presumed downgradient property line. The groundwater standard for PCE is 5 ug/L.

- With the exception of PCE, no halogenated VOCs are present above MDLs in the groundwater samples.

The distribution and levels of PCE in groundwater, suggest that uniform plume of PCE with fairly moderate concentrations extends from the southern portion of the Quality Market to northernmost property boundary. Since concentrations of PCE are fairly uniform over the plume, the data may not be consistent with a plume that emanates from a source area at south portion of the Quality Market, and be indicative of plume that originates from further upgradient.

5. RECOMMENDATIONS

Based on levels of PCE in subslab, subsurface soil gas outside the building footprint, and indoor air samples at the Quality Market, it is recommended that a sub-slab depressurization system be installed to minimize current and potential exposure associated with soil vapor intrusion. No further action is required with respect to vapor intrusion at the UPS tenant space.

Based on the widespread but moderate concentrations of PCE in groundwater, it is recommended that five overburden monitoring wells be installed and sampled. Groundwater elevations at the wells will be used to verify the shallow groundwater gradient, and sampling results help define the location of the source.

6. REPORT LIMITATIONS

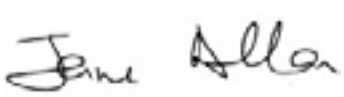
The findings presented in this report are not specific certainties; rather they are probabilities based upon professional judgment, analytical results and risk-based guidance values published by the NYSDOH and NYSDEC. Apex is not able to represent that the Site presents no environmental conditions other than those described during this investigation.

Implementation or use of the findings in this report does not assure the elimination of present or future liability or the fulfillment of the property owner's obligations under local, state or Federal laws. This report is prepared for the benefit of PECO and may not be relied upon by any other person or entity. The findings set forth in this report are limited in time and scope to the circumstances at the time of the field investigation.

Please feel free to call me with any questions that you may have.

Sincerely,

Apex Companies, LLC.



Jane Allan, PhD
Project Manager

Tables	1.	Indoor Air and Sub-Slab Soil Vapor Analysis Results
	2.	Detections of Halogenated VOCs in Soils
	3.	Detections of Halogenated VOCs Groundwater
Figures	1.	Topographic Map
	2.	Sub-Slab Soil Vapor and Indoor Air Results
	3.	Groundwater Results – March 2010

Attachment A – Laboratory Analytical Report for Indoor Air and Soil Gas Samples
Attachment B – Soil Boring Logs
Attachment C – Laboratory Analytical Report for Soil and Groundwater Samples
Attachment D – NYSDOH Vapor Intrusion Decision Matrices

TABLES

Table 1
Indoor Air and SubSlab Soil Vapor Analysis Results
Recommended Action from NYSDOH Guidance Matrix
Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

	Quality Market Samples					UPS Samples		
	Indoor Air		SubSlab			Indoor Air	Sub-Slab	
Analyte Concentration (µg/m^3)	IA-QM1	IA-QM2	SS-1*	SS-2*	NYSDOH Guidance Action**	IA-UPS	SS-UPS	NYSDOH Guidance Action**
1,1,1-Trichloroethane	0.31 J	< 0.57	161	< 19.8	Monitor	0.1 J	< 4.9	NFA
Carbon Tetrachloride	0.47 J	0.52 J	< 2.25	< 22.9	Take Reasonable Steps***	0.48 J	< 5.6	Take Reasonable Steps***
Tetrachloroethylene	8.4	3.2	152	104	Monitor/Mitigate	1.3	6.7	NFA
Trichloroethylene	0.51	< 0.56	16.9	< 19.5	Monitor	0.41 J	< 4.8	Take Reasonable Steps***

J - Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.

* SS-1 and SS-2 were collected in August 2008.

** NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (see Attachment D)

*** take reasonable and practical steps to identify sources(s) and reduce exposures

Table 2
Detections of Halogenated VOCs in Soil - March 2010
Southside Plaza

704 - 744 Foote Avenue
Jamestown, New York

Sample Number	SB-05	SB-06	SB-07	SB-08	Reporting Limit	NYSDEC TAGM RSCO *
Sample Depth	**4' - 8' bgs**	**8' - 12' bgs**	**12' - 16' bgs**	**4' - 8' bgs**		
VOCs (µg/kg)						
Methylene chloride	19 J,B	18 J,B	18 J, B	17 J, B	23	100
Tetrachloroethylene	ND	ND	ND	3.5 J	12	1400

Notes :

J - Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.

B - Analyte is found in the associated analysis batch blank.

* NYSDEC TAGM - Recommended Soil Cleanup Objectives, HWR-94-4046, Revised 4/95 and 2000 NYSDEC STARS

Table 3
Detections of Halogenated VOCs in Groundwater - March 2010
Southside Plaza

704 - 744 Foote Avenue
Jamestown, New York

Sample Identification	GW-5	GW-6	GW-7	GW-8	GW-9	Reporting Limit	NYSDEC GW Standard *
VOCs (µg/L)							
Methylene chloride	3.5 J,B	3.9 J,B	3.8 J,B	3.9 J,B	3.8 J,B	10	5
Tetrachloroethylene	**50**	**53**	ND	**22**	**31**	5.0	5
Trichloroethylene	1.0 J	2.2 J	ND	ND	2.3 J	5.0	5

Notes :

Bold and yellow highlighted values exceeded Groundwater Standard

J - Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.

B - Analyte is found in the associated analysis batch blank.

* NYSDEC Class GA Ambient Water Quality Standards and Guidance Values, NYSDEC Division of Water Quality and Operational Guidance Series (1.1.1) - Ambient Water Quality and Guidance Values and Effluent Limitations Reissued June 1998.

FIGURES

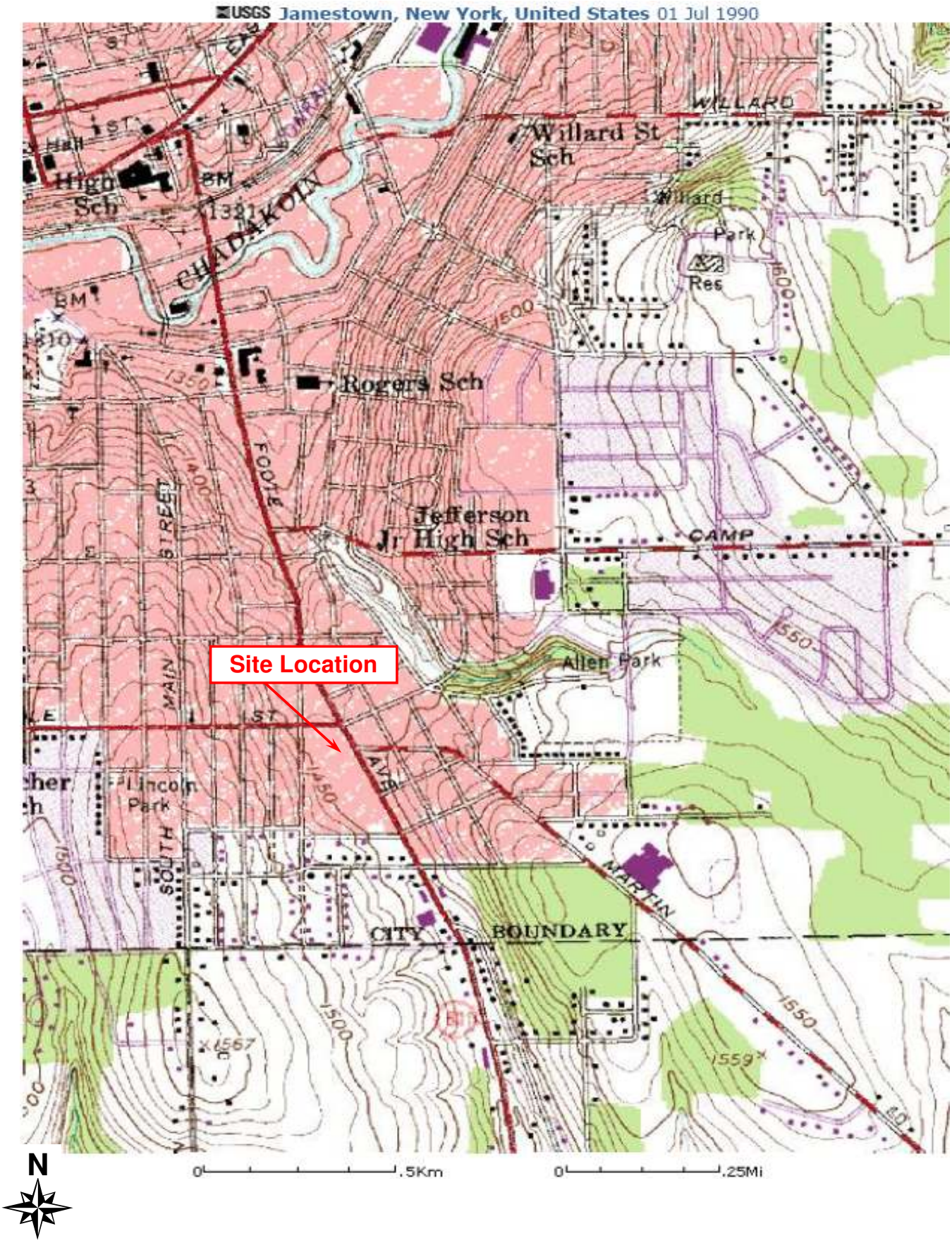


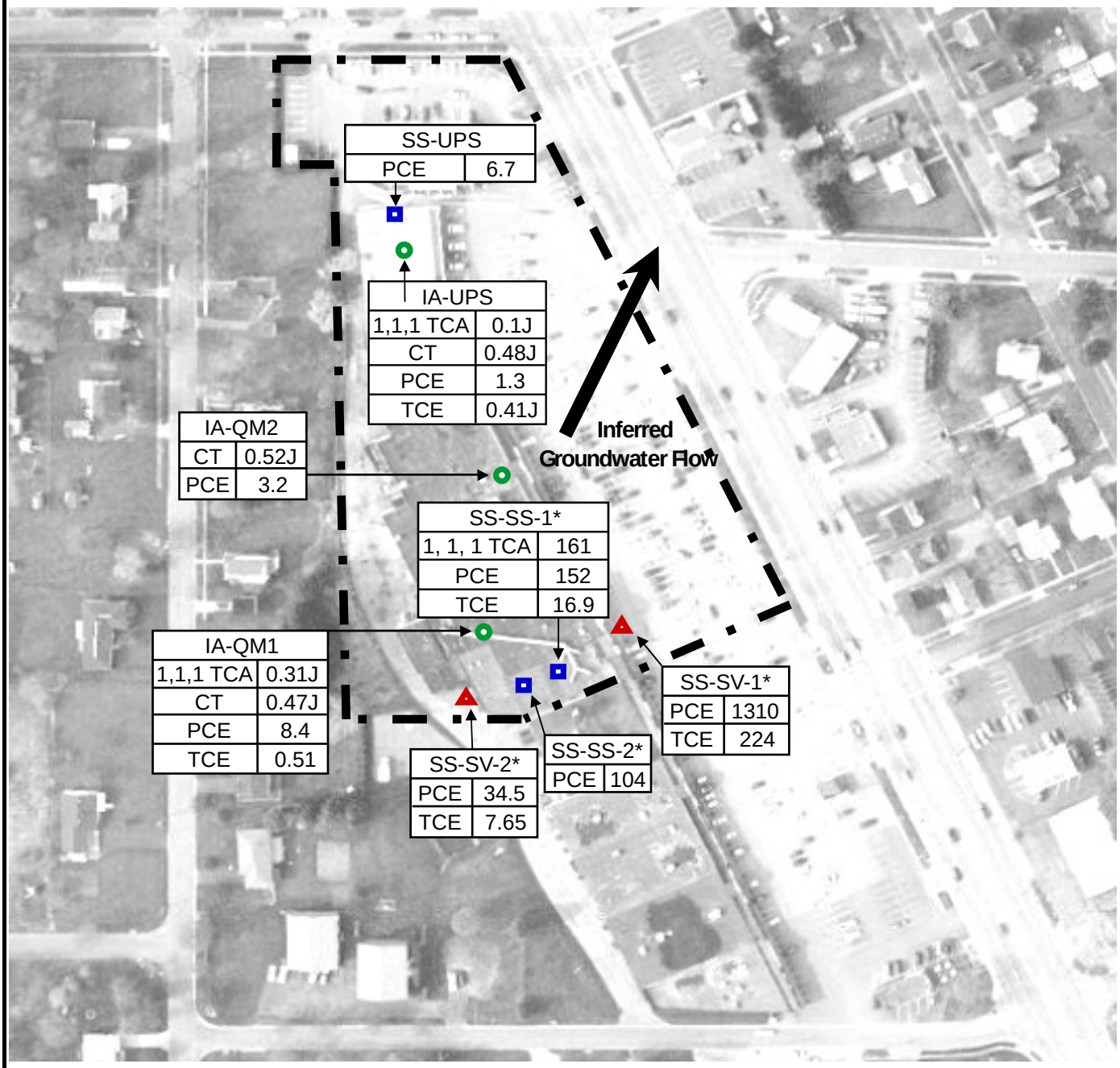
Figure 1: Topographic Map

Source: terraserver-usa.com

Southside Plaza

704-744 Foote Avenue
Jamestown, New York

Apex
155 Tri County Parkway, Suite 250
Cincinnati, Ohio
Phone: (513) 771-3617



IA-QM1		
1,1,1 TCA	0.31J	← Concentration of 1,1,1 Trichloroethane in µg/m³
CT	0.47J	← Concentration of Carbon Tetrachloride in µg/m³
PCE	8.41	← Concentration of Tetrachloroethene in µg/m³
TCE	0.51	← Concentration of Trichloroethene in µg/m³

← Sample ID

J - Estimated Concentration

Indoor Air Sampling Location

Soil Vapor Sampling Location

Sub-Slab Sampling Location

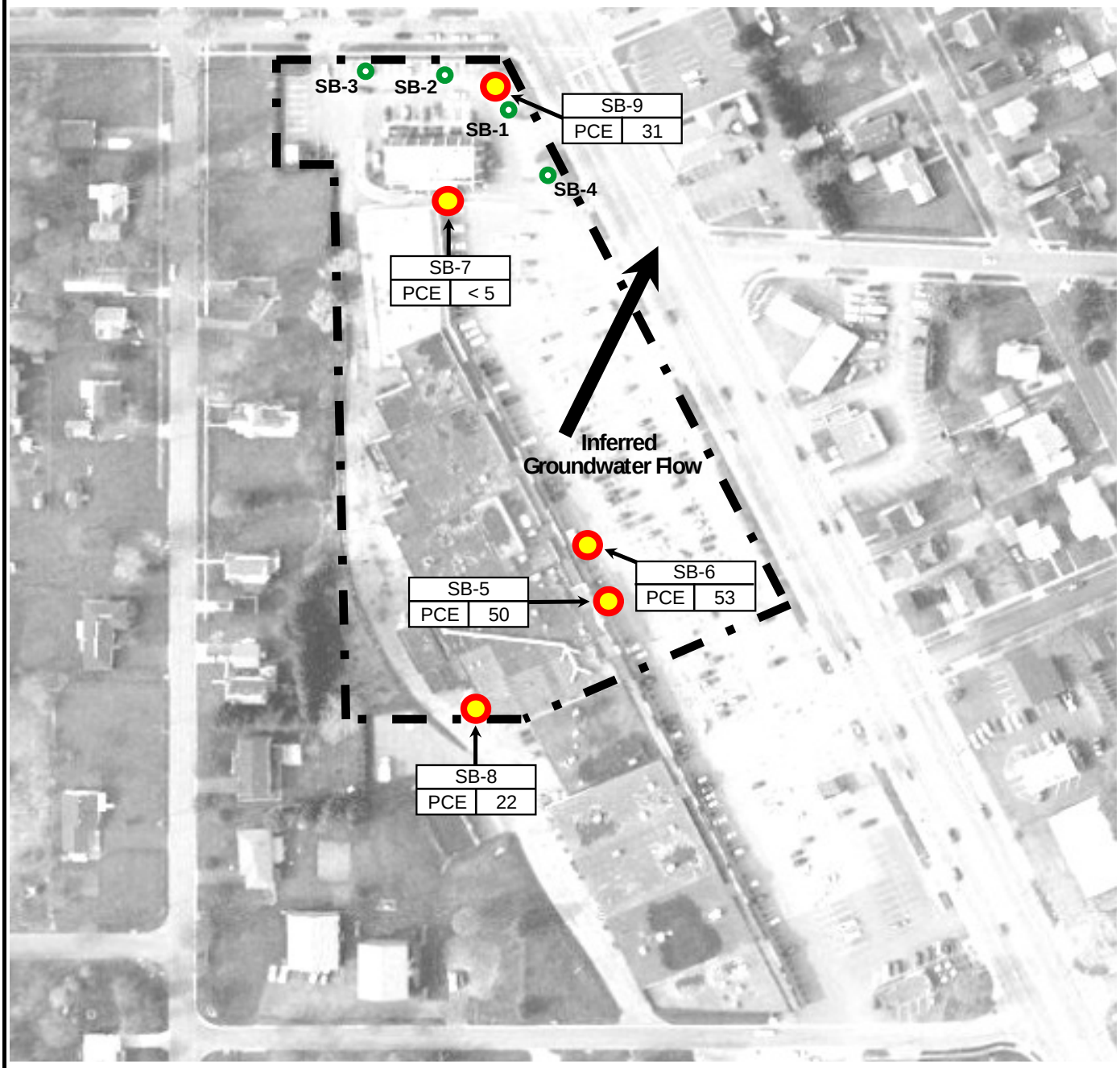
* Sampled in August 2008

Apex Companies, LLC
Environmental Consulting & Engineering
155 Tri-County Pky, Ste 250, Cincinnati, Ohio 45246

Southside Plaza

704 - 744 Foote Avenue
Jamestown, New York

Figure 2
Subslab, Soil Gas,
and Indoor Air Results



SB-1 Boring Location from August 2008 Investigation

SB-9 ← Soil Boring Number
PCE 31 ← Concentration of Tetrachloroethylene in µg/l

Apex Companies, LLC
Environmental Consulting & Engineering
155 Tri-County Pky, Ste 250, Cincinnati, Ohio 45246

Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

Figure 3
Groundwater Results
March 2010

Attachment A

Laboratory Analytical Report for Indoor Air and Soil Gas Samples

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Apex Companies
155 Tri County Pkwy, Suite 250
Cincinnati OH, 45246
Attention: Jane Allan

Report Date: 04/15/2010
Client Project ID: Air Samples
York Project (SDG) No.: 10D0158

Report Date: 04/15/2010
Client Project ID: Air Samples
York Project (SDG) No.: 10D0158

Apex Companies
155 Tri County Pkwy, Suite 250
Cincinnati OH, 45246
Attention: Jane Allan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 05, 2010 and listed below. The project was identified as your project **Air Samples**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
10D0158-01	QUALITY-1-#513	Air	03/31/2010	04/05/2010
10D0158-02	QUALITY-2-#S08	Air	03/31/2010	04/05/2010
10D0158-03	UPS-AIR-#P-13	Air	03/31/2010	04/05/2010
10D0158-04	UPS-SV-#Y-59	Air	03/31/2010	04/05/2010

General Notes for York Project (SDG) No.: 10

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Notes section for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:  **Date:** 04/15/2010

Robert Q. Bradley
Managing Director

YORK

Sample ID: **QUALITY-1-#513** Sampled: 03/31/2010

York ID: **10D0158-01 (Air)**

Volatile Organic Compounds by EPA Compendium TO14A/TO15

	ppbv				ug/m³							
Analyte	Result	RL	MDL	Units	Result	RL	MDL	Units	Dilution	Qualifiers	Analyzed	Analyst
1,1,1-Trichloroethane	ND	23	12.0	ppbv	ND	130	67	ug/m³	46.33		04/13/2010	TD
1,1,2,2-Tetrachloroethane	ND	23	10.7	ppbv	ND	160	74	ug/m³	46.33		04/13/2010	TD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	23	11.6	ppbv	ND	180	90	ug/m³	46.33		04/13/2010	TD
1,1,2-Trichloroethane	ND	23	13.0	ppbv	ND	130	72	ug/m³	46.33		04/13/2010	TD
1,1-Dichloroethane	ND	23	11.1	ppbv	ND	95	46	ug/m³	46.33		04/13/2010	TD
1,1-Dichloroethylene	ND	23	7.9	ppbv	ND	93	32	ug/m³	46.33		04/13/2010	TD
1,2,4-Trichlorobenzene	ND	23	7.4	ppbv	ND	170	56	ug/m³	46.33		04/13/2010	TD
1,2,4-Trimethylbenzene	ND	23	13.0	ppbv	ND	120	65	ug/m³	46.33		04/13/2010	TD
1,2-Dichlorobenzene	ND	23	9.3	ppbv	ND	140	57	ug/m³	46.33		04/13/2010	TD
1,2-Dichloroethane	ND	23	8.3	ppbv	ND	95	34	ug/m³	46.33		04/13/2010	TD
1,2-Dichloropropane	ND	23	17.1	ppbv	ND	110	81	ug/m³	46.33		04/13/2010	TD
1,2-Dichlorotetrafluoroethane	ND	23	12.5	ppbv	ND	160	89	ug/m³	46.33		04/13/2010	TD
1,3,5-Trimethylbenzene	ND	23	10.7	ppbv	ND	120	53	ug/m³	46.33		04/13/2010	TD
1,3-Butadiene	ND	23	19.5	ppbv	ND	100	86	ug/m³	46.33		04/13/2010	TD
1,3-Dichlorobenzene	ND	23	10.7	ppbv	ND	140	65	ug/m³	46.33		04/13/2010	TD
1,4-Dichlorobenzene	ND	23	15.8	ppbv	ND	140	96	ug/m³	46.33		04/13/2010	TD
1,4-Dioxane	ND	93	42.6	ppbv	ND	340	160	ug/m³	46.33		04/13/2010	TD
2,2,4-Trimethylpentane	ND	23	9.3	ppbv	ND	110	44	ug/m³	46.33		04/13/2010	TD
2-Butanone	ND	23	11.1	ppbv	ND	69	33	ug/m³	46.33		04/13/2010	TD
2-Chloro-1,3-Butadiene	ND	23	14.4	ppbv	ND	85	53	ug/m³	46.33		04/13/2010	TD
2-Hexanone	ND	46	23.6	ppbv	ND	190	98	ug/m³	46.33		04/13/2010	TD
3-Chloropropene	ND	23	5.1	ppbv	ND	74	16	ug/m³	46.33		04/13/2010	TD
Acetone	ND	23	9.7	ppbv	ND	56	24	ug/m³	46.33		04/13/2010	TD
Benzene	ND	23	17.1	ppbv	ND	75	56	ug/m³	46.33		04/13/2010	TD
Benzyl chloride	ND	46	20.4	ppbv	ND	240	110	ug/m³	46.33		04/13/2010	TD
Bromodichloromethane	ND	23	8.3	ppbv	ND	150	53	ug/m³	46.33		04/13/2010	TD
Bromoform	ND	23	10.2	ppbv	ND	240	110	ug/m³	46.33		04/13/2010	TD
Bromomethane	ND	23	11.6	ppbv	ND	91	46	ug/m³	46.33		04/13/2010	TD
Carbon disulfide	ND	23	5.1	ppbv	ND	73	16	ug/m³	46.33		04/13/2010	TD
Carbon tetrachloride	ND	23	8.8	ppbv	ND	150	56	ug/m³	46.33		04/13/2010	TD
Chlorobenzene	ND	23	15.3	ppbv	ND	110	72	ug/m³	46.33		04/13/2010	TD
Chloroethane	ND	23	21.3	ppbv	ND	62	57	ug/m³	46.33		04/13/2010	TD
Chloroform	ND	23	9.7	ppbv	ND	120	48	ug/m³	46.33		04/13/2010	TD
Chloromethane	ND	23	13.4	ppbv	ND	49	28	ug/m³	46.33		04/13/2010	TD
cis-1,2-Dichloroethylene	ND	23	11.6	ppbv	ND	93	47	ug/m³	46.33		04/13/2010	TD
cis-1,3-Dichloropropylene	ND	23	12.0	ppbv	ND	110	56	ug/m³	46.33		04/13/2010	TD
Cyclohexane	ND	23	8.3	ppbv	ND	81	29	ug/m³	46.33		04/13/2010	TD
Ethyl acetate	ND	23	10.2	ppbv	ND	85	37	ug/m³	46.33		04/13/2010	TD
Ethyl Benzene	ND	23	13.9	ppbv	ND	100	61	ug/m³	46.33		04/13/2010	TD
Hexachlorobutadiene	ND	23	13.0	ppbv	ND	250	140	ug/m³	46.33		04/13/2010	TD
Isopropanol	**690**	46	21.8	ppbv	**1700**	120	54	ug/m³	46.33		04/13/2010	TD
Methyl isobutyl ketone	ND	46	23.2	ppbv	ND	190	97	ug/m³	46.33		04/13/2010	TD
Methyl tert-butyl ether (MTBE)	ND	23	11.6	ppbv	ND	85	42	ug/m³	46.33		04/13/2010	TD
Methylene chloride	ND	23	14.4	ppbv	ND	82	51	ug/m³	46.33		04/13/2010	TD
n-Heptane	ND	23	9.3	ppbv	ND	97	39	ug/m³	46.33		04/13/2010	TD
n-Hexane	ND	23	14.8	ppbv	ND	83	53	ug/m³	46.33		04/13/2010	TD
o-Xylene	ND	23	16.2	ppbv	ND	100	72	ug/m³	46.33		04/13/2010	TD

Sample ID: **QUALITY-1-#513** Sampled: 03/31/2010

York ID: **10D0158-01 (Air)**

Volatile Organic Compounds by EPA Compendium TO14A/TO15

Analyte	ppbv Result	ppbv RL	ppbv MDL	ppbv Units	ug/m³ Result	ug/m³ RL	ug/m³ MDL	ug/m³ Units	Dilution	Qualifiers	Analyzed	Analyst
p- & m- Xylenes	ND	46	36.6	ppbv	ND	200	160	ug/m³	46.33		04/13/2010	TD
p-Ethyltoluene	ND	23	4.2	ppbv	ND	120	21	ug/m³	46.33		04/13/2010	TD
Propylene	ND	46	29.2	ppbv	ND	81	51	ug/m³	46.33		04/13/2010	TD
Styrene	ND	23	13.4	ppbv	ND	100	58	ug/m³	46.33		04/13/2010	TD
Tetrachloroethylene	ND	23	9.7	ppbv	ND	160	67	ug/m³	46.33		04/13/2010	TD
Tetrahydrofuran	ND	46	19.0	ppbv	ND	140	57	ug/m³	46.33		04/13/2010	TD
Toluene	ND	23	12.5	ppbv	ND	89	48	ug/m³	46.33		04/13/2010	TD
trans-1,2-Dichloroethylene	ND	23	14.8	ppbv	ND	93	60	ug/m³	46.33		04/13/2010	TD
trans-1,3-Dichloropropylene	ND	23	6.9	ppbv	ND	110	32	ug/m³	46.33		04/13/2010	TD
Trichloroethylene	ND	23	11.1	ppbv	ND	130	61	ug/m³	46.33		04/13/2010	TD
Trichlorofluoromethane	ND	23	11.6	ppbv	ND	130	66	ug/m³	46.33		04/13/2010	TD
Vinyl acetate	ND	23	6.0	ppbv	ND	83	22	ug/m³	46.33		04/13/2010	TD
Vinyl bromide	ND	23	10.2	ppbv	ND	100	45	ug/m³	46.33		04/13/2010	TD
Vinyl Chloride	ND	23	15.3	ppbv	ND	60	40	ug/m³	46.33		04/13/2010	TD
Surrogate Recovery	*Result*	*Acceptance Range*										
Surrogate: p-Bromofluorobenzene	*88.0 %*	*70-130*									*04/13/2010*	TD
1,1,1-Trichloroethane	**0.0555**	0.0925	0.0	ppbv	**0.31**	0.51	0.054	ug/m³	1.85	**J**	04/14/2010	TD
1,1-Dichloroethylene	**0.0370**	0.0925	0.0	ppbv	**0.15**	0.37	0.094	ug/m³	1.85	**J**	04/14/2010	TD
1,2-Dichloroethane	**0.148**	0.0925	0.0	ppbv	**0.61**	0.38	0.18	ug/m³	1.85		04/14/2010	TD
Carbon tetrachloride	**0.0740**	0.0925	0.1	ppbv	**0.47**	0.59	0.33	ug/m³	1.85	**J**	04/14/2010	TD
cis-1,2-Dichloroethylene	ND	0.0925	0.0	ppbv	ND	0.37	0.15	ug/m³	1.85		04/14/2010	TD
Tetrachloroethylene	**1.22**	0.0925	0.0	ppbv	**8.4**	0.64	0.28	ug/m³	1.85		04/14/2010	TD
Trichloroethylene	**0.0925**	0.0925	0.0	ppbv	**0.51**	0.51	0.23	ug/m³	1.85		04/14/2010	TD
Vinyl Chloride	ND	0.0925	0.0	ppbv	ND	0.24	0.06	ug/m³	1.85		04/14/2010	TD
Surrogate Recovery	*Result*	*Acceptance Range*										
Surrogate: p-Bromofluorobenzene	*107 %*	*70-130*									*04/14/2010*	TD

Sample ID: **QUALITY-2-#S08** Sampled: 03/31/2010

York ID: **10D0158-02 (Air)**

Volatile Organic Compounds by EPA Compendium TO14A/TO15

Analyte	ppbv Result	ppbv RL	ppbv MDL	ppbv Units	ug/m³ Result	ug/m³ RL	ug/m³ MDL	ug/m³ Units	Dilution	Qualifiers	Analyzed	Analyst
1,1,1-Trichloroethane	ND	1.0	0.5	ppbv	ND	5.7	2.9	ug/m³	2.04		04/12/2010	TD
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	ppbv	ND	7.1	3.3	ug/m³	2.04		04/12/2010	TD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.5	ppbv	ND	8	4	ug/m³	2.04		04/12/2010	TD
1,1,2-Trichloroethane	ND	1.0	0.6	ppbv	ND	5.7	3.2	ug/m³	2.04		04/12/2010	TD
1,1-Dichloroethane	ND	1.0	0.5	ppbv	ND	4.2	2	ug/m³	2.04		04/12/2010	TD
1,1-Dichloroethylene	ND	1.0	0.3	ppbv	ND	4.1	1.4	ug/m³	2.04		04/12/2010	TD
1,2,4-Trichlorobenzene	ND	1.0	0.3	ppbv	ND	7.7	2.5	ug/m³	2.04		04/12/2010	TD
1,2,4-Trimethylbenzene	ND	1.0	0.6	ppbv	ND	5.1	2.9	ug/m³	2.04		04/12/2010	TD
1,2-Dichlorobenzene	ND	1.0	0.4	ppbv	ND	6.2	2.5	ug/m³	2.04		04/12/2010	TD
1,2-Dichloroethane	ND	1.0	0.4	ppbv	ND	4.2	1.5	ug/m³	2.04		04/12/2010	TD
1,2-Dichloropropane	ND	1.0	0.8	ppbv	ND	4.8	3.5	ug/m³	2.04		04/12/2010	TD
1,2-Dichlorotetrafluoroethane	ND	1.0	0.6	ppbv	ND	7.3	3.9	ug/m³	2.04		04/12/2010	TD
1,3,5-Trimethylbenzene	ND	1.0	0.5	ppbv	ND	5.1	2.3	ug/m³	2.04		04/12/2010	TD

Sample ID: **QUALITY-2-#S08** Sampled: 03/31/2010

York ID: **10D0158-02 (Air)**

Volatile Organic Compounds by EPA Compendium TO14A/TO15

	ppbv				ug/m³							
Analyte	Result	RL	MDL	Units	Result	RL	MDL	Units	Dilution	Qualifiers	Analyzed	Analyst
1,3-Butadiene	ND	1.0	0.9	ppbv	ND	4.5	3.8	ug/m³	2.04		04/12/2010	TD
1,3-Dichlorobenzene	ND	1.0	0.5	ppbv	ND	6.2	2.9	ug/m³	2.04		04/12/2010	TD
1,4-Dichlorobenzene	**1.7**	1.0	0.7	ppbv	**10**	6.2	4.2	ug/m³	2.04		04/12/2010	TD
1,4-Dioxane	ND	4.1	1.9	ppbv	ND	15	6.9	ug/m³	2.04		04/12/2010	TD
2,2,4-Trimethylpentane	ND	1.0	0.4	ppbv	ND	4.8	1.9	ug/m³	2.04		04/12/2010	TD
2-Butanone	**0.84**	1.0	0.5	ppbv	**2.5**	3.1	1.5	ug/m³	2.04	**J**	04/12/2010	TD
2-Chloro-1,3-Butadiene	ND	1.0	0.6	ppbv	ND	3.8	2.3	ug/m³	2.04		04/12/2010	TD
2-Hexanone	ND	2.0	1.0	ppbv	ND	8.5	4.3	ug/m³	2.04		04/12/2010	TD
3-Chloropropene	**2.1**	1.0	0.2	ppbv	**6.6**	3.2	0.71	ug/m³	2.04		04/12/2010	TD
Acetone	**9.5**	1.0	0.4	ppbv	**23**	2.5	1	ug/m³	2.04		04/12/2010	TD
Benzene	ND	1.0	0.8	ppbv	ND	3.3	2.5	ug/m³	2.04		04/12/2010	TD
Benzyl chloride	ND	2.0	0.9	ppbv	ND	11	4.7	ug/m³	2.04		04/12/2010	TD
Bromodichloromethane	ND	1.0	0.4	ppbv	ND	6.4	2.3	ug/m³	2.04		04/12/2010	TD
Bromoform	ND	1.0	0.4	ppbv	ND	11	4.7	ug/m³	2.04		04/12/2010	TD
Bromomethane	ND	1.0	0.5	ppbv	ND	4	2	ug/m³	2.04		04/12/2010	TD
Carbon disulfide	ND	1.0	0.2	ppbv	ND	3.2	0.71	ug/m³	2.04		04/12/2010	TD
Carbon tetrachloride	ND	1.0	0.4	ppbv	ND	6.5	2.5	ug/m³	2.04		04/12/2010	TD
Chlorobenzene	ND	1.0	0.7	ppbv	ND	4.8	3.2	ug/m³	2.04		04/12/2010	TD
Chloroethane	ND	1.0	0.9	ppbv	ND	2.7	2.5	ug/m³	2.04		04/12/2010	TD
Chloroform	ND	1.0	0.4	ppbv	ND	5.1	2.1	ug/m³	2.04		04/12/2010	TD
Chloromethane	ND	1.0	0.6	ppbv	ND	2.1	1.2	ug/m³	2.04		04/12/2010	TD
cis-1,2-Dichloroethylene	ND	1.0	0.5	ppbv	ND	4.1	2.1	ug/m³	2.04		04/12/2010	TD
cis-1,3-Dichloropropylene	ND	1.0	0.5	ppbv	ND	4.7	2.4	ug/m³	2.04		04/12/2010	TD
Cyclohexane	ND	1.0	0.4	ppbv	ND	3.6	1.3	ug/m³	2.04		04/12/2010	TD
Ethyl acetate	**2.3**	1.0	0.4	ppbv	**8.3**	3.7	1.6	ug/m³	2.04		04/12/2010	TD
Ethyl Benzene	ND	1.0	0.6	ppbv	ND	4.5	2.7	ug/m³	2.04		04/12/2010	TD
Hexachlorobutadiene	ND	1.0	0.6	ppbv	ND	11	6.2	ug/m³	2.04		04/12/2010	TD
Isopropanol	**7.2**	2.0	1.0	ppbv	**18**	5.1	2.4	ug/m³	2.04		04/12/2010	TD
Methyl isobutyl ketone	ND	2.0	1.0	ppbv	ND	8.5	4.3	ug/m³	2.04		04/12/2010	TD
Methyl tert-butyl ether (MTBE)	ND	1.0	0.5	ppbv	ND	3.7	1.9	ug/m³	2.04		04/12/2010	TD
Methylene chloride	ND	1.0	0.6	ppbv	ND	3.6	2.2	ug/m³	2.04		04/12/2010	TD
n-Heptane	ND	1.0	0.4	ppbv	ND	4.3	1.7	ug/m³	2.04		04/12/2010	TD
n-Hexane	ND	1.0	0.7	ppbv	ND	3.7	2.3	ug/m³	2.04		04/12/2010	TD
o-Xylene	ND	1.0	0.7	ppbv	ND	4.5	3.2	ug/m³	2.04		04/12/2010	TD
p- & m- Xylenes	**1.9**	2.0	1.6	ppbv	**8.4**	9	7.1	ug/m³	2.04	**J**	04/12/2010	TD
p-Ethyltoluene	ND	1.0	0.2	ppbv	ND	5.1	0.92	ug/m³	2.04		04/12/2010	TD
Propylene	**6.8**	2.0	1.3	ppbv	**12**	3.6	2.2	ug/m³	2.04		04/12/2010	TD
Styrene	ND	1.0	0.6	ppbv	ND	4.4	2.6	ug/m³	2.04		04/12/2010	TD
Tetrachloroethylene	ND	1.0	0.4	ppbv	ND	7	3	ug/m³	2.04		04/12/2010	TD
Tetrahydrofuran	ND	2.0	0.8	ppbv	ND	6.1	2.5	ug/m³	2.04		04/12/2010	TD
Toluene	**1.3**	1.0	0.6	ppbv	**5**	3.9	2.1	ug/m³	2.04		04/12/2010	TD
trans-1,2-Dichloroethylene	ND	1.0	0.7	ppbv	ND	4.1	2.6	ug/m³	2.04		04/12/2010	TD
trans-1,3-Dichloropropylene	ND	1.0	0.3	ppbv	ND	4.7	1.4	ug/m³	2.04		04/12/2010	TD
Trichloroethylene	ND	1.0	0.5	ppbv	ND	5.6	2.7	ug/m³	2.04		04/12/2010	TD
Trichlorofluoromethane	**9.9**	1.0	0.5	ppbv	**57**	5.8	2.9	ug/m³	2.04		04/12/2010	TD
Vinyl acetate	ND	1.0	0.3	ppbv	ND	3.7	0.95	ug/m³	2.04		04/12/2010	TD
Vinyl bromide	ND	1.0	0.4	ppbv	ND	4.5	2	ug/m³	2.04		04/12/2010	TD
Vinyl Chloride	ND	1.0	0.7	ppbv	ND	2.7	1.8	ug/m³	2.04		04/12/2010	TD

Sample ID: **QUALITY-2-#S08** Sampled: 03/31/2010

York ID: **10D0158-02 (Air)**

Volatile Organic Compounds by EPA Compendium TO14A/TO15

Analyte	ppbv Result	ppbv RL	ppbv MDL	ppbv Units	ug/m³ Result	ug/m³ RL	ug/m³ MDL	ug/m³ Units	Dilution	Qualifiers	Analyzed	Analyst
Surrogate Recovery	*Result*	*Acceptance Range*										
Surrogate: p-Bromofluorobenzene	*102 %*	*70-130*									*04/12/2010*	TD
1,1,1-Trichloroethane	ND	0.102	0.0	ppbv	ND	0.57	0.06	ug/m³	2.04		04/14/2010	TD
1,1-Dichloroethylene	ND	0.102	0.0	ppbv	ND	0.41	0.1	ug/m³	2.04		04/14/2010	TD
1,2-Dichloroethane	**0.0612**	0.102	0.0	ppbv	**0.25**	0.42	0.2	ug/m³	2.04	**J**	04/14/2010	TD
Carbon tetrachloride	**0.0816**	0.102	0.1	ppbv	**0.52**	0.65	0.36	ug/m³	2.04	**J**	04/14/2010	TD
cis-1,2-Dichloroethylene	ND	0.102	0.0	ppbv	ND	0.41	0.17	ug/m³	2.04		04/14/2010	TD
Tetrachloroethylene	**0.469**	0.102	0.0	ppbv	**3.2**	0.7	0.31	ug/m³	2.04		04/14/2010	TD
Trichloroethylene	ND	0.102	0.0	ppbv	ND	0.56	0.25	ug/m³	2.04		04/14/2010	TD
Vinyl Chloride	ND	0.102	0.0	ppbv	ND	0.27	0.066	ug/m³	2.04		04/14/2010	TD
Surrogate Recovery	*Result*	*Acceptance Range*										
Surrogate: p-Bromofluorobenzene	*93.0 %*	*70-130*									*04/14/2010*	TD

Sample ID: **UPS-AIR-#P-13** Sampled: 03/31/2010

York ID: **10D0158-03 (Air)**

Volatile Organic Compounds by EPA Compendium TO14A/TO15

Analyte	ppbv Result	ppbv RL	ppbv MDL	ppbv Units	ug/m³ Result	ug/m³ RL	ug/m³ MDL	ug/m³ Units	Dilution	Qualifiers	Analyzed	Analyst
1,1,1-Trichloroethane	**110**	190	97.8	ppbv	**630**	1000	540	ug/m³	376.2	**J**	04/13/2010	TD
1,1,2,2-Tetrachloroethane	ND	190	86.5	ppbv	ND	1300	600	ug/m³	376.2		04/13/2010	TD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	190	94.1	ppbv	ND	1500	730	ug/m³	376.2		04/13/2010	TD
1,1,2-Trichloroethane	ND	190	105.3	ppbv	ND	1000	580	ug/m³	376.2		04/13/2010	TD
1,1-Dichloroethane	ND	190	90.3	ppbv	ND	770	370	ug/m³	376.2		04/13/2010	TD
1,1-Dichloroethylene	ND	190	64.0	ppbv	ND	760	260	ug/m³	376.2		04/13/2010	TD
1,2,4-Trichlorobenzene	ND	190	60.2	ppbv	ND	1400	450	ug/m³	376.2		04/13/2010	TD
1,2,4-Trimethylbenzene	ND	190	105.3	ppbv	ND	940	530	ug/m³	376.2		04/13/2010	TD
1,2-Dichlorobenzene	ND	190	75.2	ppbv	ND	1200	460	ug/m³	376.2		04/13/2010	TD
1,2-Dichloroethane	ND	190	67.7	ppbv	ND	770	280	ug/m³	376.2		04/13/2010	TD
1,2-Dichloropropane	ND	190	139.2	ppbv	ND	880	650	ug/m³	376.2		04/13/2010	TD
1,2-Dichlorotetrafluoroethane	ND	190	101.6	ppbv	ND	1300	720	ug/m³	376.2		04/13/2010	TD
1,3,5-Trimethylbenzene	ND	190	86.5	ppbv	ND	940	430	ug/m³	376.2		04/13/2010	TD
1,3-Butadiene	ND	190	158.0	ppbv	ND	830	700	ug/m³	376.2		04/13/2010	TD
1,3-Dichlorobenzene	ND	190	86.5	ppbv	ND	1200	530	ug/m³	376.2		04/13/2010	TD
1,4-Dichlorobenzene	ND	190	127.9	ppbv	ND	1200	780	ug/m³	376.2		04/13/2010	TD
1,4-Dioxane	ND	750	346.1	ppbv	ND	2800	1300	ug/m³	376.2		04/13/2010	TD
2,2,4-Trimethylpentane	ND	190	75.2	ppbv	ND	890	360	ug/m³	376.2		04/13/2010	TD
2-Butanone	ND	190	90.3	ppbv	ND	560	270	ug/m³	376.2		04/13/2010	TD
2-Chloro-1,3-Butadiene	ND	190	116.6	ppbv	ND	690	430	ug/m³	376.2		04/13/2010	TD
2-Hexanone	ND	380	191.9	ppbv	ND	1600	800	ug/m³	376.2		04/13/2010	TD
3-Chloropropene	ND	190	41.4	ppbv	ND	600	130	ug/m³	376.2		04/13/2010	TD
Acetone	**3500**	190	79.0	ppbv	**8400**	450	190	ug/m³	376.2		04/13/2010	TD
Benzene	ND	190	139.2	ppbv	ND	610	450	ug/m³	376.2		04/13/2010	TD
Benzyl chloride	ND	380	165.5	ppbv	ND	2000	870	ug/m³	376.2		04/13/2010	TD
Bromodichloromethane	ND	190	67.7	ppbv	ND	1200	430	ug/m³	376.2		04/13/2010	TD
Bromoform	ND	190	82.8	ppbv	ND	2000	870	ug/m³	376.2		04/13/2010	TD
Bromomethane	ND	190	94.1	ppbv	ND	740	370	ug/m³	376.2		04/13/2010	TD

Sample ID: **UPS-AIR-#P-13** Sampled: 03/31/2010

York ID: **10D0158-03 (Air)**

Volatile Organic Compounds by EPA Compendium TO14A/TO15

	ppbv				ug/m³							
Analyte	Result	RL	MDL	Units	Result	RL	MDL	Units	Dilution	Qualifiers	Analyzed	Analyst
Carbon disulfide	ND	190	41.4	ppbv	ND	600	130	ug/m³	376.2		04/13/2010	TD
Carbon tetrachloride	ND	190	71.5	ppbv	ND	1200	460	ug/m³	376.2		04/13/2010	TD
Chlorobenzene	ND	190	124.1	ppbv	ND	880	580	ug/m³	376.2		04/13/2010	TD
Chloroethane	ND	190	173.1	ppbv	ND	500	460	ug/m³	376.2		04/13/2010	TD
Chloroform	ND	190	79.0	ppbv	ND	930	390	ug/m³	376.2		04/13/2010	TD
Chloromethane	ND	190	109.1	ppbv	ND	400	230	ug/m³	376.2		04/13/2010	TD
cis-1,2-Dichloroethylene	ND	190	94.1	ppbv	ND	760	380	ug/m³	376.2		04/13/2010	TD
cis-1,3-Dichloropropylene	ND	190	97.8	ppbv	ND	870	450	ug/m³	376.2		04/13/2010	TD
Cyclohexane	ND	190	67.7	ppbv	ND	660	240	ug/m³	376.2		04/13/2010	TD
Ethyl acetate	ND	190	82.8	ppbv	ND	690	300	ug/m³	376.2		04/13/2010	TD
Ethyl Benzene	ND	190	112.9	ppbv	ND	830	500	ug/m³	376.2		04/13/2010	TD
Hexachlorobutadiene	ND	190	105.3	ppbv	ND	2000	1100	ug/m³	376.2		04/13/2010	TD
Isopropanol	ND	380	176.8	ppbv	ND	940	440	ug/m³	376.2		04/13/2010	TD
Methyl isobutyl ketone	ND	380	188.1	ppbv	ND	1600	780	ug/m³	376.2		04/13/2010	TD
Methyl tert-butyl ether (MTBE)	ND	190	94.1	ppbv	ND	690	340	ug/m³	376.2		04/13/2010	TD
Methylene chloride	**350**	190	116.6	ppbv	**1200**	660	410	ug/m³	376.2	**B**	04/13/2010	TD
n-Heptane	ND	190	75.2	ppbv	ND	780	310	ug/m³	376.2		04/13/2010	TD
n-Hexane	ND	190	120.4	ppbv	ND	670	430	ug/m³	376.2		04/13/2010	TD
o-Xylene	ND	190	131.7	ppbv	ND	830	580	ug/m³	376.2		04/13/2010	TD
p- & m- Xylenes	**320**	380	297.2	ppbv	**1400**	1700	1300	ug/m³	376.2	**J**	04/13/2010	TD
p-Ethyltoluene	ND	190	33.9	ppbv	ND	940	170	ug/m³	376.2		04/13/2010	TD
Propylene	ND	380	237.0	ppbv	ND	660	410	ug/m³	376.2		04/13/2010	TD
Styrene	ND	190	109.1	ppbv	ND	810	470	ug/m³	376.2		04/13/2010	TD
Tetrachloroethylene	ND	190	79.0	ppbv	ND	1300	540	ug/m³	376.2		04/13/2010	TD
Tetrahydrofuran	ND	380	154.2	ppbv	ND	1100	460	ug/m³	376.2		04/13/2010	TD
Toluene	ND	190	101.6	ppbv	ND	720	390	ug/m³	376.2		04/13/2010	TD
trans-1,2-Dichloroethylene	ND	190	120.4	ppbv	ND	760	490	ug/m³	376.2		04/13/2010	TD
trans-1,3-Dichloropropylene	ND	190	56.4	ppbv	ND	870	260	ug/m³	376.2		04/13/2010	TD
Trichloroethylene	ND	190	90.3	ppbv	ND	1000	490	ug/m³	376.2		04/13/2010	TD
Trichlorofluoromethane	ND	190	94.1	ppbv	ND	1100	540	ug/m³	376.2		04/13/2010	TD
Vinyl acetate	ND	190	48.9	ppbv	ND	670	180	ug/m³	376.2		04/13/2010	TD
Vinyl bromide	ND	190	82.8	ppbv	ND	840	370	ug/m³	376.2		04/13/2010	TD
Vinyl Chloride	ND	190	124.1	ppbv	ND	490	320	ug/m³	376.2		04/13/2010	TD
Surrogate Recovery	*Result*	*Acceptance Range*										
Surrogate: p-Bromofluorobenzene	*121 %*	*70-130*									*04/13/2010*	TD
1,1,1-Trichloroethane	**0.0188**	0.0940	0.0	ppbv	**0.1**	0.52	0.055	ug/m³	1.88	**J**	04/15/2010	TD
1,1-Dichloroethylene	ND	0.0940	0.0	ppbv	ND	0.38	0.096	ug/m³	1.88		04/15/2010	TD
1,2-Dichloroethane	**0.0752**	0.0940	0.0	ppbv	**0.31**	0.39	0.18	ug/m³	1.88	**J**	04/15/2010	TD
Carbon tetrachloride	**0.0752**	0.0940	0.1	ppbv	**0.48**	0.6	0.34	ug/m³	1.88	**J**	04/15/2010	TD
cis-1,2-Dichloroethylene	ND	0.0940	0.0	ppbv	ND	0.38	0.16	ug/m³	1.88		04/15/2010	TD
Tetrachloroethylene	**0.188**	0.0940	0.0	ppbv	**1.3**	0.65	0.29	ug/m³	1.88		04/15/2010	TD
Trichloroethylene	**0.0752**	0.0940	0.0	ppbv	**0.41**	0.51	0.23	ug/m³	1.88	**J**	04/15/2010	TD
Vinyl Chloride	ND	0.0940	0.0	ppbv	ND	0.24	0.061	ug/m³	1.88		04/15/2010	TD
Surrogate Recovery	*Result*	*Acceptance Range*										
Surrogate: p-Bromofluorobenzene	*98.0 %*	*70-130*									*04/15/2010*	TD

Sample ID: **UPS-SV-#Y-59** Sampled: 03/31/2010

York ID: **10D0158-04 (Air)**

Volatile Organic Compounds by EPA Compendium TO14A/TO15

	ppbv				ug/m³							
Analyte	Result	RL	MDL	Units	Result	RL	MDL	Units	Dilution	Qualifiers	Analyzed	Analyst
1,1,1-Trichloroethane	ND	0.88	0.5	ppbv	ND	4.9	2.5	ug/m³	1.76		04/13/2010	TD
1,1,2,2-Tetrachloroethane	ND	0.88	0.4	ppbv	ND	6.1	2.8	ug/m³	1.76		04/13/2010	TD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.88	0.4	ppbv	ND	6.9	3.4	ug/m³	1.76		04/13/2010	TD
1,1,2-Trichloroethane	ND	0.88	0.5	ppbv	ND	4.9	2.7	ug/m³	1.76		04/13/2010	TD
1,1-Dichloroethane	ND	0.88	0.4	ppbv	ND	3.6	1.7	ug/m³	1.76		04/13/2010	TD
1,1-Dichloroethylene	ND	0.88	0.3	ppbv	ND	3.5	1.2	ug/m³	1.76		04/13/2010	TD
1,2,4-Trichlorobenzene	ND	0.88	0.3	ppbv	ND	6.6	2.1	ug/m³	1.76		04/13/2010	TD
1,2,4-Trimethylbenzene	**3.3**	0.88	0.5	ppbv	**17**	4.4	2.5	ug/m³	1.76		04/13/2010	TD
1,2-Dichlorobenzene	ND	0.88	0.4	ppbv	ND	5.4	2.2	ug/m³	1.76		04/13/2010	TD
1,2-Dichloroethane	ND	0.88	0.3	ppbv	ND	3.6	1.3	ug/m³	1.76		04/13/2010	TD
1,2-Dichloropropane	ND	0.88	0.7	ppbv	ND	4.1	3.1	ug/m³	1.76		04/13/2010	TD
1,2-Dichlorotetrafluoroethane	ND	0.88	0.5	ppbv	ND	6.3	3.4	ug/m³	1.76		04/13/2010	TD
1,3,5-Trimethylbenzene	**0.99**	0.88	0.4	ppbv	**4.9**	4.4	2	ug/m³	1.76		04/13/2010	TD
1,3-Butadiene	ND	0.88	0.7	ppbv	ND	3.9	3.3	ug/m³	1.76		04/13/2010	TD
1,3-Dichlorobenzene	ND	0.88	0.4	ppbv	ND	5.4	2.5	ug/m³	1.76		04/13/2010	TD
1,4-Dichlorobenzene	ND	0.88	0.6	ppbv	ND	5.4	3.7	ug/m³	1.76		04/13/2010	TD
1,4-Dioxane	ND	3.5	1.6	ppbv	ND	13	5.9	ug/m³	1.76		04/13/2010	TD
2,2,4-Trimethylpentane	ND	0.88	0.4	ppbv	ND	4.2	1.7	ug/m³	1.76		04/13/2010	TD
2-Butanone	ND	0.88	0.4	ppbv	ND	2.6	1.3	ug/m³	1.76		04/13/2010	TD
2-Chloro-1,3-Butadiene	ND	0.88	0.5	ppbv	ND	3.2	2	ug/m³	1.76		04/13/2010	TD
2-Hexanone	ND	1.8	0.9	ppbv	ND	7.3	3.7	ug/m³	1.76		04/13/2010	TD
3-Chloropropene	ND	0.88	0.2	ppbv	ND	2.8	0.62	ug/m³	1.76		04/13/2010	TD
Acetone	ND	0.88	0.4	ppbv	ND	2.1	0.89	ug/m³	1.76		04/13/2010	TD
Benzene	**0.81**	0.88	0.7	ppbv	**2.6**	2.9	2.1	ug/m³	1.76	**J**	04/13/2010	TD
Benzyl chloride	ND	1.8	0.8	ppbv	ND	9.3	4.1	ug/m³	1.76		04/13/2010	TD
Bromodichloromethane	ND	0.88	0.3	ppbv	ND	5.6	2	ug/m³	1.76		04/13/2010	TD
Bromoform	ND	0.88	0.4	ppbv	ND	9.3	4.1	ug/m³	1.76		04/13/2010	TD
Bromomethane	ND	0.88	0.4	ppbv	ND	3.5	1.7	ug/m³	1.76		04/13/2010	TD
Carbon disulfide	**1.1**	0.88	0.2	ppbv	**3.6**	2.8	0.61	ug/m³	1.76		04/13/2010	TD
Carbon tetrachloride	ND	0.88	0.3	ppbv	ND	5.6	2.1	ug/m³	1.76		04/13/2010	TD
Chlorobenzene	ND	0.88	0.6	ppbv	ND	4.1	2.7	ug/m³	1.76		04/13/2010	TD
Chloroethane	ND	0.88	0.8	ppbv	ND	2.4	2.2	ug/m³	1.76		04/13/2010	TD
Chloroform	ND	0.88	0.4	ppbv	ND	4.4	1.8	ug/m³	1.76		04/13/2010	TD
Chloromethane	ND	0.88	0.5	ppbv	ND	1.8	1.1	ug/m³	1.76		04/13/2010	TD
cis-1,2-Dichloroethylene	ND	0.88	0.4	ppbv	ND	3.5	1.8	ug/m³	1.76		04/13/2010	TD
cis-1,3-Dichloropropylene	ND	0.88	0.5	ppbv	ND	4.1	2.1	ug/m³	1.76		04/13/2010	TD
Cyclohexane	ND	0.88	0.3	ppbv	ND	3.1	1.1	ug/m³	1.76		04/13/2010	TD
Ethyl acetate	ND	0.88	0.4	ppbv	ND	3.2	1.4	ug/m³	1.76		04/13/2010	TD
Ethyl Benzene	**1.9**	0.88	0.5	ppbv	**8.2**	3.9	2.3	ug/m³	1.76		04/13/2010	TD
Hexachlorobutadiene	ND	0.88	0.5	ppbv	ND	9.5	5.3	ug/m³	1.76		04/13/2010	TD
Isopropanol	ND	1.8	0.8	ppbv	ND	4.4	2.1	ug/m³	1.76		04/13/2010	TD
Methyl isobutyl ketone	ND	1.8	0.9	ppbv	ND	7.3	3.7	ug/m³	1.76		04/13/2010	TD
Methyl tert-butyl ether (MTBE)	ND	0.88	0.4	ppbv	ND	3.2	1.6	ug/m³	1.76		04/13/2010	TD
Methylene chloride	**1.0**	0.88	0.5	ppbv	**3.7**	3.1	1.9	ug/m³	1.76	**B**	04/13/2010	TD
n-Heptane	**0.83**	0.88	0.4	ppbv	**3.4**	3.7	1.5	ug/m³	1.76	**J**	04/13/2010	TD
n-Hexane	**0.86**	0.88	0.6	ppbv	**3.1**	3.2	2	ug/m³	1.76	**J**	04/13/2010	TD
o-Xylene	**3.4**	0.88	0.6	ppbv	**15**	3.9	2.7	ug/m³	1.76		04/13/2010	TD

Sample ID: **UPS-SV-#Y-59** Sampled: 03/31/2010

York ID: **10D0158-04 (Air)**

Volatile Organic Compounds by EPA Compendium TO14A/TO15

	ppbv				ug/m³							
Analyte	Result	RL	MDL	Units	Result	RL	MDL	Units	Dilution	Qualifiers	Analyzed	Analyst
p- & m- Xylenes	**6.8**	1.8	1.4	ppbv	**30**	7.8	6.1	ug/m³	1.76		04/13/2010	TD
p-Ethyltoluene	**1.9**	0.88	0.2	ppbv	**9.7**	4.4	0.79	ug/m³	1.76		04/13/2010	TD
Propylene	ND	1.8	1.1	ppbv	ND	3.1	1.9	ug/m³	1.76		04/13/2010	TD
Styrene	ND	0.88	0.5	ppbv	ND	3.8	2.2	ug/m³	1.76		04/13/2010	TD
Tetrachloroethylene	**0.97**	0.88	0.4	ppbv	**6.7**	6.1	2.5	ug/m³	1.76		04/13/2010	TD
Tetrahydrofuran	ND	1.8	0.7	ppbv	ND	5.3	2.2	ug/m³	1.76		04/13/2010	TD
Toluene	**3.1**	0.88	0.5	ppbv	**12**	3.4	1.8	ug/m³	1.76		04/13/2010	TD
trans-1,2-Dichloroethylene	ND	0.88	0.6	ppbv	ND	3.5	2.3	ug/m³	1.76		04/13/2010	TD
trans-1,3-Dichloropropylene	ND	0.88	0.3	ppbv	ND	4.1	1.2	ug/m³	1.76		04/13/2010	TD
Trichloroethylene	ND	0.88	0.4	ppbv	ND	4.8	2.3	ug/m³	1.76		04/13/2010	TD
Trichlorofluoromethane	**4.3**	0.88	0.4	ppbv	**25**	5	2.5	ug/m³	1.76		04/13/2010	TD
Vinyl acetate	ND	0.88	0.2	ppbv	ND	3.2	0.82	ug/m³	1.76		04/13/2010	TD
Vinyl bromide	ND	0.88	0.4	ppbv	ND	3.9	1.7	ug/m³	1.76		04/13/2010	TD
Vinyl Chloride	ND	0.88	0.6	ppbv	ND	2.3	1.5	ug/m³	1.76		04/13/2010	TD

Surrogate Recovery	*Result*	*Acceptance Range*		
Surrogate: p-Bromofluorobenzene	*125 %*	*70-130*	*04/13/2010*	TD

YORK
ANALYTICAL LABORATORIES, INC.

Analytical Batch Summary

Batch ID: BD00374 **Preparation Method:** EPA TO15 PREP **Prepared By:** TD

YORK Sample ID	Client Sample ID	Preparation Date
10D0158-01	QUALITY-1-#513	04/13/10
10D0158-02	QUALITY-2-#S08	04/12/10
10D0158-03	UPS-AIR-#P-13	04/13/10
10D0158-04	UPS-SV-#Y-59	04/13/10
BD00374-BLK1	Blank	04/14/10
BD00374-BS1	LCS	04/13/10
BD00374-DUP1	Duplicate	04/13/10

Batch ID: BD00534 **Preparation Method:** EPA TO15 PREP **Prepared By:** TD

YORK Sample ID	Client Sample ID	Preparation Date
10D0158-01	QUALITY-1-#513	04/14/10
10D0158-02	QUALITY-2-#S08	04/14/10
10D0158-03	UPS-AIR-#P-13	04/15/10
BD00534-BLK1	Blank	04/14/10
BD00534-BS1	LCS	04/14/10
BD00534-DUP1	Duplicate	04/14/10

Volatile Organic Compounds by EPA Compendium TO14A/TO15 - Quality Control Data

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD00374 - EPA TO15 PREP

Blank (BD00374-BLK1)

Prepared: 04/14/2010 Analyzed: 04/13/2010

Vinyl Chloride	ND	0.50	ppbv
Vinyl bromide	ND	0.50	"
Vinyl acetate	ND	0.50	"
Trichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
Toluene	ND	0.50	"
Tetrahydrofuran	ND	1.0	"
Tetrachloroethylene	ND	0.50	"
Styrene	ND	0.50	"
Propylene	ND	1.0	"
p-Ethyltoluene	ND	0.50	"
p- & m- Xylenes	0.93	1.0	"
o-Xylene	ND	0.50	"
n-Hexane	ND	0.50	"
n-Heptane	ND	0.50	"
Methylene chloride	0.58	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methyl isobutyl ketone	ND	1.0	"
Isopropanol	ND	1.0	"
Hexachlorobutadiene	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Ethyl acetate	ND	0.50	"
Cyclohexane	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
Chloromethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloroethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Carbon disulfide	ND	0.50	"
Bromomethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Benzyl chloride	ND	1.0	"
Benzene	ND	0.50	"
Acetone	ND	0.50	"
3-Chloropropene	ND	0.50	"
2-Hexanone	ND	1.0	"
2-Chloro-1,3-Butadiene	ND	0.50	"
2-Butanone	ND	0.50	"
2,2,4-Trimethylpentane	ND	0.50	"
1,4-Dioxane	ND	2.0	"
1,4-Dichlorobenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Butadiene	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,2-Dichlorotetrafluoroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"

Volatile Organic Compounds by EPA Compendium TO14A/TO15 - Quality Control Data

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00374 - EPA TO15 PREP											
Blank (BD00374-BLK1)							Prepared: 04/14/2010 Analyzed: 04/13/2010				
1,1-Dichloroethylene	ND	0.50	ppbv								
1,1-Dichloroethane	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,1-Trichloroethane	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Surrogate: p-Bromofluorobenzene	*9.79*		*"*	*10.0*		*97.9*	*70-130*				
LCS (BD00374-BS1)							Prepared & Analyzed: 04/13/2010				
Vinyl Chloride	8.9		ppbv	10.0		89.1	70-130				
Vinyl bromide	9.6		"	10.0		96.0	70-130				
Vinyl acetate	6.0		"	10.0		59.7	70-130	Low Bias			
Trichloroethylene	9.6		"	10.0		96.4	70-130				
trans-1,3-Dichloropropylene	9.7		"	10.0		97.0	70-130				
trans-1,2-Dichloroethylene	10		"	10.0		100	70-130				
Toluene	9.0		"	10.0		90.2	70-130				
Tetrahydrofuran	8.4		"	10.0		84.0	70-130				
Tetrachloroethylene	9.6		"	10.0		95.7	70-130				
Styrene	10		"	10.0		102	70-130				
Propylene	9.4		"	10.0		93.8	70-130				
p-Ethyltoluene	11		"	10.0		108	70-130				
p- & m- Xylenes	20		"	20.0		102	70-130				
o-Xylene	10		"	10.0		102	70-130				
n-Hexane	8.7		"	10.0		87.2	70-130				
n-Heptane	8.9		"	10.0		88.9	70-130				
Methylene chloride	10		"	10.0		103	70-130				
Methyl tert-butyl ether (MTBE)	9.0		"	10.0		89.5	70-130				
Methyl isobutyl ketone	11		"	10.0		109	70-130				
Isopropanol	10		"	10.0		99.5	70-130				
Hexachlorobutadiene	11		"	10.0		107	70-130				
Ethyl Benzene	10		"	10.0		102	70-130				
Ethyl acetate	8.8		"	10.0		88.1	70-130				
Cyclohexane	9.1		"	10.0		90.8	70-130				
cis-1,3-Dichloropropylene	9.7		"	10.0		97.0	70-130				
cis-1,2-Dichloroethylene	9.2		"	10.0		91.9	70-130				
Chloromethane	9.5		"	10.0		94.8	70-130				
Chloroform	9.2		"	10.0		91.7	70-130				
Chloroethane	9.4		"	10.0		94.2	70-130				
Carbon tetrachloride	9.3		"	10.0		92.6	70-130				
Carbon disulfide	9.4		"	10.0		93.7	70-130				
Bromomethane	9.6		"	10.0		96.3	70-130				
Bromoform	10		"	10.0		100	70-130				
Bromodichloromethane	9.5		"	10.0		94.7	70-130				
Benzyl chloride	2.1		"	10.0		21.4	70-130	Low Bias			
Benzene	8.8		"	10.0		88.3	70-130				
Acetone	9.4		"	10.0		93.5	70-130				
3-Chloropropene	0.87		"	10.0		8.70	70-130	Low Bias			
2-Hexanone	12		"	10.0		116	70-130				
2-Butanone	9.0		"	10.0		89.8	70-130				
2,2,4-Trimethylpentane	8.9		"	10.0		89.1	70-130				
1,4-Dioxane	9.0		"	10.0		89.7	70-130				
1,4-Dichlorobenzene	9.7		"	10.0		96.6	70-130				

Volatile Organic Compounds by EPA Compendium TO14A/TO15 - Quality Control Data

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00374 - EPA TO15 PREP											
LCS (BD00374-BS1)							Prepared & Analyzed: 04/13/2010				
1,3-Dichlorobenzene	10		ppbv	10.0		102	70-130				
1,3-Butadiene	8.5		"	10.0		84.8	70-130				
1,3,5-Trimethylbenzene	10		"	10.0		104	70-130				
1,2-Dichlorotetrafluoroethane	9.1		"	10.0		91.2	70-130				
1,2-Dichloropropane	9.4		"	10.0		93.5	70-130				
1,2-Dichloroethane	9.7		"	10.0		97.1	70-130				
1,2-Dichlorobenzene	9.4		"	10.0		93.7	70-130				
1,2,4-Trimethylbenzene	11		"	10.0		105	70-130				
1,2,4-Trichlorobenzene	10		"	10.0		101	70-130				
1,1-Dichloroethylene	9.3		"	10.0		93.2	70-130				
1,1-Dichloroethane	9.3		"	10.0		93.0	70-130				
1,1,2-Trichloroethane	9.6		"	10.0		96.1	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.2		"	10.0		91.5	70-130				
1,1,2,2-Tetrachloroethane	11		"	10.0		110	70-130				
1,1,1-Trichloroethane	9.1		"	10.0		91.3	70-130				
Chlorobenzene	9.2		"	10.0		92.3	70-130				
Surrogate: p-Bromofluorobenzene	*10.8*		*"*	*10.0*		*108*	*70-130*				
Duplicate (BD00374-DUP1)	*Source(Sample used for MS/MSD): 10D0328-01						Prepared & Analyzed: 04/13/2010				
Vinyl Chloride	ND	10	ppbv		ND					25	
Vinyl bromide	ND	10	"		ND					25	
Vinyl acetate	ND	10	"		ND					25	
Trichloroethylene	270	10	"		240				11.0	25	
trans-1,3-Dichloropropylene	ND	10	"		ND					25	
trans-1,2-Dichloroethylene	ND	10	"		ND					25	
Toluene	ND	10	"		ND					25	
Tetrahydrofuran	ND	20	"		ND					25	
Tetrachloroethylene	ND	10	"		ND					25	
Styrene	ND	10	"		ND					25	
Propylene	ND	20	"		ND					25	
p-Ethyltoluene	ND	10	"		ND					25	
p- & m- Xylenes	ND	20	"		ND					25	
o-Xylene	ND	10	"		ND					25	
n-Hexane	ND	10	"		ND					25	
n-Heptane	ND	10	"		ND					25	
Methylene chloride	ND	10	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	10	"		ND					25	
Methyl isobutyl ketone	ND	20	"		ND					25	
Isopropanol	ND	20	"		ND					25	
Hexachlorobutadiene	ND	10	"		ND					25	
Ethyl Benzene	ND	10	"		ND					25	
Ethyl acetate	ND	10	"		ND					25	
Cyclohexane	ND	10	"		ND					25	
cis-1,3-Dichloropropylene	ND	10	"		ND					25	
cis-1,2-Dichloroethylene	ND	10	"		ND					25	
Chloromethane	ND	10	"		ND					25	
Chloroform	ND	10	"		ND					25	
Chloroethane	ND	10	"		ND					25	
Carbon tetrachloride	ND	10	"		ND					25	
Carbon disulfide	ND	10	"		ND					25	
Bromomethane	ND	10	"		ND					25	
Bromoform	ND	10	"		ND					25	
Bromodichloromethane	ND	10	"		ND					25	

Volatile Organic Compounds by EPA Compendium TO14A/TO15 - Quality Control Data

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00374 - EPA TO15 PREP											
Duplicate (BD00374-DUP1)	*Source(Sample used for MS/MSD): 10D0328-01					Prepared & Analyzed: 04/13/2010					
Benzyl chloride	ND	20	ppbv		ND					25	
Benzene	ND	10	"		ND					25	
Acetone	ND	10	"		ND					25	
3-Chloropropene	ND	10	"		ND					25	
2-Hexanone	ND	20	"		ND					25	
2-Chloro-1,3-Butadiene	ND	10	"		ND					25	
2-Butanone	ND	10	"		ND					25	
2,2,4-Trimethylpentane	ND	10	"		ND					25	
1,4-Dioxane	ND	40	"		ND					25	
1,4-Dichlorobenzene	ND	10	"		ND					25	
1,3-Dichlorobenzene	ND	10	"		ND					25	
1,3-Butadiene	ND	10	"		ND					25	
1,3,5-Trimethylbenzene	ND	10	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	10	"		ND					25	
1,2-Dichloropropane	ND	10	"		ND					25	
1,2-Dichloroethane	ND	10	"		ND					25	
1,2-Dichlorobenzene	ND	10	"		ND					25	
1,2,4-Trimethylbenzene	ND	10	"		ND					25	
1,2,4-Trichlorobenzene	ND	10	"		ND					25	
Trichlorofluoromethane	13	10	"		12				8.26	25	
1,1-Dichloroethylene	ND	10	"		ND					25	
1,1-Dichloroethane	ND	10	"		ND					25	
1,1,2-Trichloroethane	ND	10	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	10	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	10	"		ND					25	
1,1,1-Trichloroethane	460	10	"		420				8.30	25	
Chlorobenzene	ND	10	"		ND					25	
Surrogate: p-Bromofluorobenzene	*9.99*		*"*	*10.0*		*99.9*	*70-130*				

Volatile Organic Compounds by EPA Compendium TO14A/TO15 - Quality Control Data

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00534 - EPA TO15 PREP											
Blank (BD00534-BLK1)						Prepared & Analyzed: 04/14/2010					
Vinyl Chloride	ND	0.0500	ppbv								
Trichloroethylene	ND	0.0500	"								
Tetrachloroethylene	ND	0.0500	"								
cis-1,2-Dichloroethylene	ND	0.0500	"								
Carbon tetrachloride	ND	0.0500	"								
1,2-Dichloroethane	ND	0.0500	"								
1,1-Dichloroethylene	ND	0.0500	"								
1,1,1-Trichloroethane	ND	0.0500	"								
Surrogate: p-Bromofluorobenzene	*0.850*		*"*	*1.00*		*85.0*	*70-130*				
LCS (BD00534-BS1)						Prepared & Analyzed: 04/14/2010					
Vinyl Chloride	0.350		ppbv	0.300		117	70-130				
Trichloroethylene	0.330		"	0.300		110	70-130				
Tetrachloroethylene	0.250		"	0.300		83.3	70-130				
cis-1,2-Dichloroethylene	0.250		"	0.300		83.3	70-130				
Carbon tetrachloride	0.280		"	0.300		93.3	70-130				
1,2-Dichloroethane	0.290		"	0.300		96.7	70-130				
1,1-Dichloroethylene	0.320		"	0.300		107	70-130				
1,1,1-Trichloroethane	0.310		"	0.300		103	70-130				
Surrogate: p-Bromofluorobenzene	*0.780*		*"*	*1.00*		*78.0*	*70-130*				
Duplicate (BD00534-DUP1)	*Source(Sample used for MS/MSD): 10D0158-02					Prepared & Analyzed: 04/14/2010					
Vinyl Chloride	ND	0.102	ppbv		ND					25	
Trichloroethylene	0.0612	0.102	"		ND					25	
Tetrachloroethylene	0.449	0.102	"		0.469				4.44	25	
cis-1,2-Dichloroethylene	ND	0.102	"		ND					25	
Carbon tetrachloride	0.0816	0.102	"		0.0816				0.00	25	
1,2-Dichloroethane	0.0612	0.102	"		0.0612				0.00	25	
1,1-Dichloroethylene	ND	0.102	"		ND					25	
1,1,1-Trichloroethane	ND	0.102	"		ND					25	
Surrogate: p-Bromofluorobenzene	*0.940*		*"*	*1.00*		*94.0*	*70-130*				

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank.

ND	Analyte NOT DETECTED at or above the Reporting Limit
RL	Reporting Limit-the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	Method Detection Limit- The minimum concentration that can be measured and reported with 99 percent confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J"Flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Attachment B

Soil Boring Logs

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 12.00135.001	PROJECT NAME: Southside	
BORING NUMBER: SB-5	COORDINATES:	DATE: 03/31/10
ELEVATION:	GWL: Depth 7.5' bgs Date/Time 03/31/10	DATE STARTED: 03/31/10
ENGINEER/GEOLOGIST: W Y Smith	Depth Date/Time	DATE COMPLETED: 03/31/10
DRILLING METHODS: DPT		PAGE 1 OF 5

DEPTH (ft)	SAMPLE TYPE & NO	BLOWS ON SAMPLER PER (ft)	RECOVERY (ft)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS PID
				0-1 Asphalt + gravel sub-base				0.4 - 0.2 ppm
				1-3 Grey silty Brown CLAY, with gravel moist, medium				
5				fine sand,				4.8 - 1.2 ppm
				3-7.5 Grey Brown CLAY with trace fine sand, moist, stiff		Collected Sample		
10				7.5-11 Grey CLAY, wet, Soft				8-12 - 0.4 ppm
				11-12 Grey Sandy CLAY with gravel moist, stiff				
				BOH @ 12' bgs				
15								
20								
25								
30								

NOTES:

Drilling Contractor: Nathan's Way

Drilling Equipment: DPT

Driller:

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 2003.001	PROJECT NAME: SouthSide		
BORING NUMBER: SB-6	COORDINATES:	DATE: 03/31/10	
ELEVATION:	GWL: Depth 7.5' bgs Date/Time 03/31/10	DATE STARTED: 03/31/10	
ENGINEER/GEOLOGIST: Eric Utsler	Depth Date/Time	DATE COMPLETED: 03/31/10	
DRILLING METHODS: DPT		PAGE 2 OF 5	

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6"	RECOVERY (ft)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF) VISUAL CONSISTENCY	REMARKS
				0-1 ASPHALT and GRAVEL Base			PID
			1.0/2	Gray-brown silty CLAY with coarse sand and gravel, dry, loose			0-4 - 0.0 ppm
5	SL		1.0/2	Gray CLAY, with tr. fine sand, moist, V. stiff			4-8 - 0.0 ppm
			1.0/2	Gray CLAY with [illegible], wet, stiff		Ground Surface	8-12 - 0.0 ppm
10			1.0/2	Brown silty CLAY with gravel & coarse sand, moist, Loose			
			1.0/2	Brown GRAVEL, [illegible] with silt, Silt & sand mixture			
15				Brown silty CLAY, dry, hard			
				Shale bedrock; refusal @ 14.5' bgs			
20							
25							

NOTES:

Drilling Contractor: Nature's Way

Drilling Equipment: DPT

Other:

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 120135.001	PROJECT NAME: Sunnyside		
BORING NUMBER: SB-7	COORDINATES:	DATE	03/31/10
ELEVATION:	GWL: Depth 13' bgs Date/Time 03/31/10	DATE STARTED	03/31/10
ENGINEER/GEOLOGIST: WSmith	Depth: Date/Time:	DATE COMPLETED	03/31/10
DRILLING METHODS: DPT		PAGE 3	OF 5

DEPTH (ft)	SAMPLE TYPE & NO	BLOWS ON SAMPLER (#)	RECOVERY (ft)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY TSF	MOISTURE CONTENT	REMARKS
				0-1 Asphalt and gravel base				PID
			75%	1-3 Brown sandy SILT, with gravel, very moist, soft				0-4 — 0.4 ppm
5			100%	3-7 Gray CLAY, tr. silt & fine sand, ~~moisture dry very stiff~~ Hard				4-8 — 0.0 ppm
				~~Brown~~ Gray CLAY with gravel ~~and~~ moist, stiff. ↓ Softening downward				8-12 — 0.0 ppm
15	▽			Brown sandy SILT with tr. gravel, moist → wet, medium stiff (Wet @ 13' bgs)				12-14 — 0.0 ppm
				BOH @ 16' bgs				
20								
25								

NOTES:
Drilling Contractor: Vance's Way
Drilling Equipment: DPT
Other:

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 120125.001	PROJECT NAME: Southside	
BORING NUMBER: SB-8	COORDINATES:	DATE: 3/31/10
ELEVATION:	GWL Depth: 5' bgs Date/Time: 03/31/10	DATE STARTED: 3/31/10
ENGINEER/GEOLOGIST: Eric Wyman	Depth: Date/Time:	DATE COMPLETED: 03/31/10
DRILLING METHODS: Direct Push		PAGE: 1 OF 1

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER (ft)	RECOVERY (ft)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (ksf)	WELL CONSTRUCTION	REMARKS
0				0-2 Asphalt + Gravel				PID
				Brown silty CLAY w/ sand + gravel				0-4 - 0.0 ppm
				Dry + med. stiff				
5				Brown Silty CLAY w/ sand + gravel				4-8 - 0.0 ppm
				WET - Stiff				
				- contains more gravel towards bottom				
				- dry at bottom & N-1 shale chips				
				Chippy Shale -				8-12: NA
10				reddish brown -				
				narrow wet layer				
				at bottom (7.5-8')				
				Boh @ 8' bgs				
15								
20								
25								

NOTES:

Drilling Contractor: Nature's Way

Drilling Equipment: DPT

Driller: _____

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 1Z05135.06	PROJECT NAME: Southside		
BORING NUMBER: SB-9	COORDINATES:	DATE: 05/31/10	
ELEVATION:	GWL: Depth 11.5' bgs Date/Time	DATE STARTED: 05/31/10	
ENGINEER/GEOLOGIST: Wilson	Depth Date/Time	DATE COMPLETED: 05/31/10	
DRILLING METHODS: DPT		PAGE: 5 OF 5	

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER 6"	RECOVERY (ft)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	Vol. CONCENTRATION	REMARKS
			100%	0-1 Asphalt + Gravel				PID
				1-4 Brown silty Clay w/ bits of gravel, moist, loose - gravel in interbedded layers - All Fill Material				0.4 – 0.0 ppm
5			100%	4-6 Additional asphalt layer - possible fill material				4-8 – 0.0 ppm
				6-7 Brn & Grey silty Clay - mottled w/ gravel dry, firm				
10	SB-9 (9.5-10.5)		100%	- faint wet layer @ 6.5'-7.5' bgs + salt				8-12 – 0.0 ppm
			0%	Water @ 11.5' bgs wet @ 12.5 + salt				12-16 – N/A
15				Nothing Recovered				
				BOH 16'				
20								
25								

NOTES:

Drilling Contractor: Nature's Way

Drilling Equipment: DPT

Driller: _____

Attachment C

Laboratory Analytical Report for Soil and Groundwater Samples

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Apex Companies
155 Tri County Pkwy, Suite 250
Cincinnati OH, 45246
Attention: Jane Allan

Report Date: 04/08/2010
Client Project ID: 1200135.001
York Project (SDG) No.: 10D0014

Revision No. 1.0

Report Date: 04/08/2010
Client Project ID: 1200135.001
York Project (SDG) No.: 10D0014

Apex Companies
155 Tri County Pkwy, Suite 250
Cincinnati OH, 45246
Attention: Jane Allan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 01, 2010 and listed below. The project was identified as your project: **1200135.001**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
10D0014-01	GW-5	Water	03/31/2010	04/01/2010
10D0014-02	GW-6	Water	03/31/2010	04/01/2010
10D0014-03	GW-7	Water	03/31/2010	04/01/2010
10D0014-04	GW-8	Water	03/31/2010	04/01/2010
10D0014-05	GW-9	Water	03/31/2010	04/01/2010
10D0014-06	SB-5	Soil	03/31/2010	04/01/2010
10D0014-07	SB-6	Soil	03/31/2010	04/01/2010
10D0014-08	SB-7	Soil	03/31/2010	04/01/2010
10D0014-09	SB-8	Soil	03/31/2010	04/01/2010

General Notes for York Project (SDG) No.: 10D0014

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:  **Date:** 04/08/2010

Robert Q. Bradley
Managing Director

YORK

Sample Information

Client Sample ID: GW-5 **York Sample ID:** 10D0014-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Water	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Prepared by Method: EPA 5030B

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	04/05/2010 17:43	04/05/2010 17:43	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS

Sample Information

Client Sample ID: **GW-5** **York Sample ID:** **10D0014-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Water	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	04/05/2010 17:43	04/05/2010 17:43	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
87-68-3	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
75-09-2	**Methylene chloride**	**3.5**	J, B	ug/L	1.1	10	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
127-18-4	**Tetrachloroethylene**	**50**		ug/L	0.52	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
79-01-6	**Trichloroethylene**	**1.0**	J	ug/L	0.57	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	"	04/05/2010 17:43	04/05/2010 17:43	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.1 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*108 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*108 %*	*70-130*

Sample Information

Client Sample ID: **GW-6** **York Sample ID:** **10D0014-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Water	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	04/05/2010 18:29	04/05/2010 18:29	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS

Sample Information

Client Sample ID: GW-6 **York Sample ID:** 10D0014-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Water	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Prepared by Method: EPA 5030B

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/05/2010 18:29	04/05/2010 18:29	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
87-68-3	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
75-09-2	**Methylene chloride**	**3.9**	J, B	ug/L	1.1	10	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
127-18-4	**Tetrachloroethylene**	**53**		ug/L	0.52	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
79-01-6	**Trichloroethylene**	**2.2**	J	ug/L	0.57	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	"	04/05/2010 18:29	04/05/2010 18:29	SS

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: GW-6 **York Sample ID:** 10D0014-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Water	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*94.7 %*			*70-130*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*			*70-130*						
2037-26-5	*Surrogate: Toluene-d8*	*108 %*			*70-130*						

Sample Information

Client Sample ID: GW-7 **York Sample ID:** 10D0014-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Water	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	04/05/2010 19:14	04/05/2010 19:14	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS

Sample Information

Client Sample ID: GW-7 **York Sample ID:** 10D0014-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Water	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/05/2010 19:14	04/05/2010 19:14	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
87-68-3	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
75-09-2	**Methylene chloride**	**3.8**	J, B	ug/L	1.1	10	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	"	04/05/2010 19:14	04/05/2010 19:14	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*95.5 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*107 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*107 %*	*70-130*

Sample Information

Client Sample ID: GW-8 **York Sample ID:** 10D0014-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Water	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	04/05/2010 20:00	04/05/2010 20:00	SS

Sample Information

Client Sample ID: GW-8 **York Sample ID:** 10D0014-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Water	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	04/05/2010 20:00	04/05/2010 20:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS

Sample Information

Client Sample ID: GW-8 **York Sample ID:** 10D0014-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Water	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/05/2010 20:00	04/05/2010 20:00	SS
87-68-3	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
75-09-2	**Methylene chloride**	**3.9**	J, B	ug/L	1.1	10	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
127-18-4	**Tetrachloroethylene**	**22**		ug/L	0.52	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	"	04/05/2010 20:00	04/05/2010 20:00	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*108 %*	*70-130*

Sample Information

Client Sample ID: GW-9 **York Sample ID:** 10D0014-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Water	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	04/05/2010 20:46	04/05/2010 20:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS

Sample Information

Client Sample ID: **GW-9** **York Sample ID:** **10D0014-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Water	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	04/05/2010 20:46	04/05/2010 20:46	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
87-68-3	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
75-09-2	**Methylene chloride**	**3.8**	J, B	ug/L	1.1	10	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
127-18-4	**Tetrachloroethylene**	**31**		ug/L	0.52	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
79-01-6	**Trichloroethylene**	**2.3**	J	ug/L	0.57	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	"	04/05/2010 20:46	04/05/2010 20:46	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*70-130*

Sample Information

Client Sample ID: GW-9 **York Sample ID:** 10D0014-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Water	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: p-Bromofluorobenzene*	*107 %*			*70-130*						
2037-26-5	*Surrogate: Toluene-d8*	*106 %*			*70-130*						

Sample Information

Client Sample ID: SB-5 **York Sample ID:** 10D0014-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Soil	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	04/06/2010 11:41	04/06/2010 19:36	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.5	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.98	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.0	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.5	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.6	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.58	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.4	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS

Sample Information

Client Sample ID: SB-5 **York Sample ID:** 10D0014-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Soil	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	04/06/2010 11:41	04/06/2010 19:36	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.3	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.93	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
67-66-3	Chloroform	ND		ug/kg dry	0.95	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.93	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.5	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
87-68-3	Dichlorodifluoromethane	ND		ug/kg dry	2.2	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
75-09-2	**Methylene chloride**	**19**	J, B	ug/kg dry	2.8	24	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.4	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	12	2	"	04/06/2010 11:41	04/06/2010 19:36	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.3 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*70-130*

Sample Information

Client Sample ID: SB-5 **York Sample ID:** 10D0014-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Soil	March 31, 2010 3:00 pm	04/01/2010

Total Solids

Sample Notes:

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**81.6**		%	0.100	0.100	1	SM 2540G	04/08/2010 09:16	04/08/2010 09:16	SC

Sample Information

Client Sample ID: SB-6 **York Sample ID:** 10D0014-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Soil	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	04/06/2010 11:41	04/06/2010 20:22	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.95	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.56	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS

Sample Information

Client Sample ID: SB-6 **York Sample ID:** 10D0014-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Soil	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Prepared by Method: EPA 5035B

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	04/06/2010 11:41	04/06/2010 20:22	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.90	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
67-66-3	Chloroform	ND		ug/kg dry	0.92	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.90	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
87-68-3	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
75-09-2	**Methylene chloride**	**18**	J, B	ug/kg dry	2.7	24	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	"	04/06/2010 11:41	04/06/2010 20:22	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*98.0 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*70-130*

Sample Information

Client Sample ID: SB-6 **York Sample ID:** 10D0014-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Soil	March 31, 2010 3:00 pm	04/01/2010

Total Solids

Sample Notes:

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**84.3**		%	0.100	0.100	1	SM 2540G	04/08/2010 09:16	04/08/2010 09:16	SC

Sample Information

Client Sample ID: SB-7 **York Sample ID:** 10D0014-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Soil	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	04/06/2010 11:41	04/06/2010 21:09	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.92	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.55	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS

Sample Information

Client Sample ID: SB-7 **York Sample ID:** 10D0014-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Soil	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	04/06/2010 11:41	04/06/2010 21:09	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.87	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
67-66-3	Chloroform	ND		ug/kg dry	0.90	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.87	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
87-68-3	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
75-09-2	**Methylene chloride**	**18**	J, B	ug/kg dry	2.6	23	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	12	2	"	04/06/2010 11:41	04/06/2010 21:09	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.0 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*70-130*

Sample Information

Client Sample ID: SB-7 **York Sample ID:** 10D0014-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Soil	March 31, 2010 3:00 pm	04/01/2010

Total Solids

Sample Notes:

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**86.9**		%	0.100	0.100	1	SM 2540G	04/08/2010 09:16	04/08/2010 09:16	SC

Sample Information

Client Sample ID: SB-8 **York Sample ID:** 10D0014-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Soil	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	04/06/2010 11:41	04/06/2010 21:55	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.93	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.55	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS

Sample Information

Client Sample ID: SB-8 **York Sample ID:** 10D0014-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Soil	March 31, 2010 3:00 pm	04/01/2010

Volatile Organics, 8260 Halogenated List

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	04/06/2010 11:41	04/06/2010 21:55	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.88	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
67-66-3	Chloroform	ND		ug/kg dry	0.91	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.88	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
87-68-3	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
75-09-2	**Methylene chloride**	**17**	J, B	ug/kg dry	2.7	23	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
127-18-4	**Tetrachloroethylene**	**3.5**	J	ug/kg dry	1.3	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	12	2	"	04/06/2010 11:41	04/06/2010 21:55	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.8 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*70-130*

Sample Information

Client Sample ID: SB-8 **York Sample ID:** 10D0014-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10D0014	1200135.001	Soil	March 31, 2010 3:00 pm	04/01/2010

Total Solids

Sample Notes:

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**85.7**		%	0.100	0.100	1	SM 2540G	04/08/2010 09:16	04/08/2010 09:16	SC

YORK
ANALYTICAL LABORATORIES, INC.

Analytical Batch Summary

Batch ID: BD00063 **Preparation Method:** EPA 5030B **Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
10D0014-01	GW-5	04/05/10
10D0014-02	GW-6	04/05/10
10D0014-03	GW-7	04/05/10
10D0014-04	GW-8	04/05/10
10D0014-05	GW-9	04/05/10
BD00063-BLK1	Blank	04/05/10
BD00063-BS1	LCS	04/05/10
BD00063-BSD1	LCS Dup	04/05/10
BD00063-MS1	Matrix Spike	04/05/10
BD00063-MSD1	Matrix Spike Dup	04/05/10

Batch ID: BD00112 **Preparation Method:** EPA 5035B **Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
10D0014-06	SB-5	04/06/10
10D0014-07	SB-6	04/06/10
10D0014-08	SB-7	04/06/10
10D0014-09	SB-8	04/06/10
BD00112-BLK1	Blank	04/06/10
BD00112-BS1	LCS	04/06/10
BD00112-BSD1	LCS Dup	04/06/10
BD00112-MS1	Matrix Spike	04/06/10
BD00112-MSD1	Matrix Spike Dup	04/06/10

Batch ID: BD00179 **Preparation Method:** % Solids **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
10D0014-06	SB-5	04/08/10
10D0014-07	SB-6	04/08/10
10D0014-08	SB-7	04/08/10
10D0014-09	SB-8	04/08/10

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00063 - EPA 5030B											
Blank (BD00063-BLK1)						Prepared & Analyzed: 04/05/2010					
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Methylene chloride	4.0	10	"								
Tetrachloroethylene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*45.2*		"	*50.0*		*90.4*	*70-130*				
Surrogate: p-Bromofluorobenzene	*54.0*		"	*50.0*		*108*	*70-130*				
Surrogate: Toluene-d8	*53.8*		"	*50.0*		*108*	*70-130*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00063 - EPA 5030B											
LCS (BD00063-BS1)						Prepared & Analyzed: 04/05/2010					
1,1,1,2-Tetrachloroethane	56		ug/L	50.0		111	70-130				
1,1,1-Trichloroethane	48		"	50.0		96.5	70-130				
1,1,2,2-Tetrachloroethane	56		"	50.0		112	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48		"	50.0		95.7	70-130				
1,1,2-Trichloroethane	53		"	50.0		106	70-130				
1,1-Dichloroethane	48		"	50.0		95.3	70-130				
1,1-Dichloroethylene	52		"	50.0		104	70-130				
1,1-Dichloropropylene	47		"	50.0		94.3	70-130				
1,2,3-Trichlorobenzene	57		"	50.0		115	70-130				
1,2,3-Trichloropropane	52		"	50.0		103	70-130				
1,2,4-Trichlorobenzene	58		"	50.0		116	70-130				
1,2-Dibromo-3-chloropropane	53		"	50.0		106	70-130				
1,2-Dibromoethane	54		"	50.0		108	70-130				
1,2-Dichlorobenzene	54		"	50.0		107	70-130				
1,2-Dichloroethane	47		"	50.0		94.3	70-130				
1,2-Dichloropropane	54		"	50.0		108	70-130				
1,3-Dichlorobenzene	55		"	50.0		111	70-130				
1,3-Dichloropropane	54		"	50.0		107	70-130				
1,4-Dichlorobenzene	56		"	50.0		112	70-130				
2,2-Dichloropropane	46		"	50.0		91.9	70-130				
2-Chlorotoluene	53		"	50.0		107	70-130				
4-Chlorotoluene	56		"	50.0		112	70-130				
Bromobenzene	54		"	50.0		108	70-130				
Bromochloromethane	45		"	50.0		89.6	70-130				
Bromodichloromethane	54		"	50.0		107	70-130				
Bromoform	54		"	50.0		107	70-130				
Bromomethane	42		"	50.0		84.8	70-130				
Carbon tetrachloride	49		"	50.0		98.2	70-130				
Chlorobenzene	55		"	50.0		110	70-130				
Chloroethane	44		"	50.0		88.8	70-130				
Chloroform	46		"	50.0		92.2	70-130				
Chloromethane	37		"	50.0		74.0	70-130				
cis-1,2-Dichloroethylene	46		"	50.0		91.7	70-130				
cis-1,3-Dichloropropylene	52		"	50.0		105	70-130				
Dibromochloromethane	53		"	50.0		106	70-130				
Dibromomethane	54		"	50.0		108	70-130				
Dichlorodifluoromethane	37		"	50.0		73.6	70-130				
Hexachlorobutadiene	52		"	50.0		105	70-130				
Methylene chloride	40		"	50.0		79.6	70-130				
Tetrachloroethylene	54		"	50.0		108	70-130				
trans-1,2-Dichloroethylene	48		"	50.0		95.2	70-130				
trans-1,3-Dichloropropylene	55		"	50.0		109	70-130				
Trichloroethylene	55		"	50.0		109	70-130				
Trichlorofluoromethane	45		"	50.0		89.2	70-130				
Vinyl Chloride	43		"	50.0		85.3	70-130				
Surrogate: 1,2-Dichloroethane-d4	*48.4*		*"*	*50.0*		*96.8*	*70-130*				
Surrogate: p-Bromofluorobenzene	*50.3*		*"*	*50.0*		*101*	*70-130*				
Surrogate: Toluene-d8	*53.1*		*"*	*50.0*		*106*	*70-130*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00063 - EPA 5030B											
LCS Dup (BD00063-BSD1)					Prepared & Analyzed: 04/05/2010						
1,1,1,2-Tetrachloroethane	55		ug/L	50.0		110	70-130		1.32	30	
1,1,1-Trichloroethane	48		"	50.0		96.8	70-130		0.372	30	
1,1,2,2-Tetrachloroethane	54		"	50.0		107	70-130		4.12	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48		"	50.0		95.6	70-130		0.0837	30	
1,1,2-Trichloroethane	50		"	50.0		100	70-130		4.85	30	
1,1-Dichloroethane	46		"	50.0		92.8	70-130		2.62	30	
1,1-Dichloroethylene	52		"	50.0		103	70-130		0.600	30	
1,1-Dichloropropylene	47		"	50.0		94.7	70-130		0.445	30	
1,2,3-Trichlorobenzene	58		"	50.0		117	70-130		1.49	30	
1,2,3-Trichloropropane	50		"	50.0		99.2	70-130		3.76	30	
1,2,4-Trichlorobenzene	58		"	50.0		116	70-130		0.155	30	
1,2-Dibromo-3-chloropropane	48		"	50.0		97.0	70-130		8.43	30	
1,2-Dibromoethane	53		"	50.0		106	70-130		2.24	30	
1,2-Dichlorobenzene	52		"	50.0		105	70-130		2.42	30	
1,2-Dichloroethane	46		"	50.0		92.3	70-130		2.10	30	
1,2-Dichloropropane	54		"	50.0		108	70-130		0.0186	30	
1,3-Dichlorobenzene	55		"	50.0		110	70-130		0.981	30	
1,3-Dichloropropane	52		"	50.0		105	70-130		2.42	30	
1,4-Dichlorobenzene	55		"	50.0		110	70-130		1.85	30	
2,2-Dichloropropane	45		"	50.0		90.9	70-130		1.09	30	
2-Chlorotoluene	53		"	50.0		105	70-130		1.34	30	
4-Chlorotoluene	55		"	50.0		110	70-130		1.64	30	
Bromobenzene	52		"	50.0		105	70-130		2.86	30	
Bromochloromethane	45		"	50.0		89.4	70-130		0.201	30	
Bromodichloromethane	53		"	50.0		107	70-130		0.168	30	
Bromoform	52		"	50.0		104	70-130		2.87	30	
Bromomethane	41		"	50.0		83.0	70-130		2.22	30	
Carbon tetrachloride	48		"	50.0		96.1	70-130		2.16	30	
Chlorobenzene	54		"	50.0		108	70-130		1.69	30	
Chloroethane	46		"	50.0		91.0	70-130		2.47	30	
Chloroform	46		"	50.0		93.0	70-130		0.778	30	
Chloromethane	37		"	50.0		74.2	70-130		0.243	30	
cis-1,2-Dichloroethylene	46		"	50.0		92.1	70-130		0.370	30	
cis-1,3-Dichloropropylene	51		"	50.0		103	70-130		1.64	30	
Dibromochloromethane	52		"	50.0		103	70-130		2.53	30	
Dibromomethane	52		"	50.0		104	70-130		3.56	30	
Dichlorodifluoromethane	36		"	50.0		72.2	70-130		1.89	30	
Hexachlorobutadiene	51		"	50.0		102	70-130		3.04	30	
Methylene chloride	39		"	50.0		78.1	70-130		1.93	30	
Tetrachloroethylene	54		"	50.0		108	70-130		0.482	30	
trans-1,2-Dichloroethylene	47		"	50.0		94.9	70-130		0.337	30	
trans-1,3-Dichloropropylene	53		"	50.0		106	70-130		3.18	30	
Trichloroethylene	54		"	50.0		107	70-130		1.57	30	
Trichlorofluoromethane	45		"	50.0		90.6	70-130		1.58	30	
Vinyl Chloride	43		"	50.0		85.4	70-130		0.187	30	
Surrogate: 1,2-Dichloroethane-d4	*47.7*		*"*	*50.0*		*95.3*	*70-130*				
Surrogate: p-Bromofluorobenzene	*50.1*		*"*	*50.0*		*100*	*70-130*				
Surrogate: Toluene-d8	*53.4*		*"*	*50.0*		*107*	*70-130*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00063 - EPA 5030B											
Matrix Spike (BD00063-MS1)	*Source(Sample used for MS/MSD): 10D0053-05					Prepared & Analyzed: 04/05/2010					
1,1,1,2-Tetrachloroethane	47		ug/L	50.0	ND	94.9	70-130				
1,1,1-Trichloroethane	43		"	50.0	ND	86.5	70-130				
1,1,2,2-Tetrachloroethane	48		"	50.0	ND	97.0	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43		"	50.0	ND	85.4	70-130				
1,1,2-Trichloroethane	45		"	50.0	ND	90.4	70-130				
1,1-Dichloroethane	44		"	50.0	2.0	83.9	70-130				
1,1-Dichloroethylene	46		"	50.0	ND	91.6	70-130				
1,1-Dichloropropylene	43		"	50.0	ND	85.1	70-130				
1,2,3-Trichlorobenzene	50		"	50.0	ND	99.6	70-130				
1,2,3-Trichloropropane	46		"	50.0	ND	91.4	70-130				
1,2,4-Trichlorobenzene	52		"	50.0	ND	103	70-130				
1,2-Dibromo-3-chloropropane	45		"	50.0	ND	89.9	70-130				
1,2-Dibromoethane	47		"	50.0	ND	94.2	70-130				
1,2-Dichlorobenzene	46		"	50.0	ND	92.4	70-130				
1,2-Dichloroethane	41		"	50.0	ND	81.4	70-130				
1,2-Dichloropropane	46		"	50.0	ND	92.9	70-130				
1,3-Dichlorobenzene	48		"	50.0	ND	95.4	70-130				
1,3-Dichloropropane	46		"	50.0	ND	92.4	70-130				
1,4-Dichlorobenzene	48		"	50.0	ND	95.9	70-130				
2,2-Dichloropropane	40		"	50.0	ND	80.4	70-130				
2-Chlorotoluene	46		"	50.0	ND	92.1	70-130				
4-Chlorotoluene	48		"	50.0	ND	96.0	70-130				
Bromobenzene	46		"	50.0	ND	92.5	70-130				
Bromochloromethane	40		"	50.0	ND	80.7	70-130				
Bromodichloromethane	46		"	50.0	ND	92.1	70-130				
Bromoform	46		"	50.0	ND	93.0	70-130				
Bromomethane	37		"	50.0	ND	74.5	70-130				
Carbon tetrachloride	43		"	50.0	ND	86.6	70-130				
Chlorobenzene	47		"	50.0	ND	94.7	70-130				
Chloroethane	41		"	50.0	ND	81.3	70-130				
Chloroform	41		"	50.0	ND	82.3	70-130				
Chloromethane	32		"	50.0	ND	63.3	70-130	Low Bias			
cis-1,2-Dichloroethylene	40		"	50.0	ND	80.8	70-130				
cis-1,3-Dichloropropylene	44		"	50.0	ND	88.5	70-130				
Dibromochloromethane	45		"	50.0	ND	90.8	70-130				
Dibromomethane	47		"	50.0	ND	94.4	70-130				
Dichlorodifluoromethane	28		"	50.0	ND	56.8	70-130	Low Bias			
Hexachlorobutadiene	43		"	50.0	ND	86.9	70-130				
Methylene chloride	35		"	50.0	3.5	63.0	70-130	Low Bias			
Tetrachloroethylene	47		"	50.0		94.2	70-130				
trans-1,2-Dichloroethylene	42		"	50.0	ND	83.9	70-130				
trans-1,3-Dichloropropylene	46		"	50.0	ND	92.5	70-130				
Trichloroethylene	47		"	50.0	ND	94.1	70-130				
Trichlorofluoromethane	42		"	50.0	ND	83.6	70-130				
Vinyl Chloride	38		"	50.0	ND	75.4	70-130				
Surrogate: 1,2-Dichloroethane-d4	*48.7*		*"*	*50.0*		*97.4*	*70-130*				
Surrogate: p-Bromofluorobenzene	*49.6*		*"*	*50.0*		*99.2*	*70-130*				
Surrogate: Toluene-d8	*52.6*		*"*	*50.0*		*105*	*70-130*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00063 - EPA 5030B											
Matrix Spike Dup (BD00063-MSD1)	*Source(Sample used for MS/MSD): 10D0053-05					Prepared & Analyzed: 04/05/2010					
1,1,1,2-Tetrachloroethane	48		ug/L	50.0	ND	96.4	70-130		1.59	30	
1,1,1-Trichloroethane	44		"	50.0	ND	87.0	70-130		0.576	30	
1,1,2,2-Tetrachloroethane	49		"	50.0	ND	97.2	70-130		0.165	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43		"	50.0	ND	85.9	70-130		0.584	30	
1,1,2-Trichloroethane	47		"	50.0	ND	93.5	70-130		3.41	30	
1,1-Dichloroethane	44		"	50.0	2.0	83.4	70-130		0.645	30	
1,1-Dichloroethylene	47		"	50.0	ND	94.5	70-130		3.16	30	
1,1-Dichloropropylene	43		"	50.0	ND	85.3	70-130		0.305	30	
1,2,3-Trichlorobenzene	52		"	50.0	ND	104	70-130		3.92	30	
1,2,3-Trichloropropane	45		"	50.0	ND	89.5	70-130		2.15	30	
1,2,4-Trichlorobenzene	52		"	50.0	ND	103	70-130		0.349	30	
1,2-Dibromo-3-chloropropane	46		"	50.0	ND	91.3	70-130		1.52	30	
1,2-Dibromoethane	47		"	50.0	ND	94.1	70-130		0.127	30	
1,2-Dichlorobenzene	46		"	50.0	ND	91.7	70-130		0.739	30	
1,2-Dichloroethane	43		"	50.0	ND	86.0	70-130		5.47	30	
1,2-Dichloropropane	47		"	50.0	ND	94.9	70-130		2.11	30	
1,3-Dichlorobenzene	48		"	50.0	ND	96.5	70-130		1.13	30	
1,3-Dichloropropane	48		"	50.0	ND	95.9	70-130		3.72	30	
1,4-Dichlorobenzene	48		"	50.0	ND	95.5	70-130		0.439	30	
2,2-Dichloropropane	40		"	50.0	ND	80.7	70-130		0.323	30	
2-Chlorotoluene	46		"	50.0	ND	91.1	70-130		1.11	30	
4-Chlorotoluene	47		"	50.0	ND	95.0	70-130		1.11	30	
Bromobenzene	46		"	50.0	ND	92.0	70-130		0.585	30	
Bromochloromethane	42		"	50.0	ND	85.0	70-130		5.14	30	
Bromodichloromethane	47		"	50.0	ND	94.4	70-130		2.49	30	
Bromoform	47		"	50.0	ND	94.1	70-130		1.22	30	
Bromomethane	38		"	50.0	ND	75.2	70-130		0.962	30	
Carbon tetrachloride	44		"	50.0	ND	88.3	70-130		1.99	30	
Chlorobenzene	48		"	50.0	ND	95.6	70-130		0.925	30	
Chloroethane	42		"	50.0	ND	83.0	70-130		2.04	30	
Chloroform	42		"	50.0	ND	84.2	70-130		2.23	30	
Chloromethane	32		"	50.0	ND	63.7	70-130	Low Bias	0.662	30	
cis-1,2-Dichloroethylene	42		"	50.0	ND	84.0	70-130		3.93	30	
cis-1,3-Dichloropropylene	46		"	50.0	ND	91.0	70-130		2.76	30	
Dibromochloromethane	47		"	50.0	ND	93.1	70-130		2.48	30	
Dibromomethane	48		"	50.0	ND	96.2	70-130		1.83	30	
Dichlorodifluoromethane	28		"	50.0	ND	56.9	70-130	Low Bias	0.0704	30	
Hexachlorobutadiene	45		"	50.0	ND	90.3	70-130		3.88	30	
Methylene chloride	36		"	50.0	3.5	65.6	70-130	Low Bias	3.92	30	
Tetrachloroethylene	47		"	50.0		94.5	70-130		0.297	30	
trans-1,2-Dichloroethylene	43		"	50.0	ND	86.4	70-130		2.91	30	
trans-1,3-Dichloropropylene	47		"	50.0	ND	94.3	70-130		1.95	30	
Trichloroethylene	48		"	50.0	ND	96.2	70-130		2.19	30	
Trichlorofluoromethane	41		"	50.0	ND	82.6	70-130		1.16	30	
Vinyl Chloride	38		"	50.0	ND	75.3	70-130		0.133	30	
Surrogate: 1,2-Dichloroethane-d4	*50.4*		*"*	*50.0*		*101*	*70-130*				
Surrogate: p-Bromofluorobenzene	*49.2*		*"*	*50.0*		*98.3*	*70-130*				
Surrogate: Toluene-d8	*53.3*		*"*	*50.0*		*107*	*70-130*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00112 - EPA 5035B											
Blank (BD00112-BLK1)											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Methylene chloride	4.4	10	"								
Tetrachloroethylene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*48.8*		*ug/L*	*50.0*		*97.7*	*70-130*				
Surrogate: p-Bromofluorobenzene	*47.1*		*"*	*50.0*		*94.2*	*70-130*				
Surrogate: Toluene-d8	*50.8*		*"*	*50.0*		*102*	*70-130*				

Prepared & Analyzed: 04/06/2010

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00112 - EPA 5035B											
LCS (BD00112-BS1)					Prepared & Analyzed: 04/06/2010						
1,1,1,2-Tetrachloroethane	46		ug/L	50.0		91.9	70-130				
1,1,1-Trichloroethane	48		"	50.0		95.8	70-130				
1,1,2,2-Tetrachloroethane	39		"	50.0		77.2	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45		"	50.0		89.1	70-130				
1,1,2-Trichloroethane	44		"	50.0		87.9	70-130				
1,1-Dichloroethane	47		"	50.0		93.3	70-130				
1,1-Dichloroethylene	48		"	50.0		96.3	70-130				
1,1-Dichloropropylene	47		"	50.0		94.9	70-130				
1,2,3-Trichlorobenzene	40		"	50.0		80.0	70-130				
1,2,3-Trichloropropane	38		"	50.0		76.3	70-130				
1,2,4-Trichlorobenzene	45		"	50.0		89.6	70-130				
1,2-Dibromo-3-chloropropane	34		"	50.0		67.0	70-130	Low Bias			
1,2-Dibromoethane	46		"	50.0		91.3	70-130				
1,2-Dichlorobenzene	41		"	50.0		81.7	70-130				
1,2-Dichloroethane	43		"	50.0		85.1	70-130				
1,2-Dichloropropane	44		"	50.0		88.6	70-130				
1,3-Dichlorobenzene	43		"	50.0		86.4	70-130				
1,3-Dichloropropane	45		"	50.0		90.0	70-130				
1,4-Dichlorobenzene	43		"	50.0		86.6	70-130				
2,2-Dichloropropane	45		"	50.0		90.5	70-130				
2-Chlorotoluene	39		"	50.0		78.2	70-130				
4-Chlorotoluene	40		"	50.0		80.3	70-130				
Bromobenzene	38		"	50.0		76.4	70-130				
Bromochloromethane	44		"	50.0		88.9	70-130				
Bromodichloromethane	44		"	50.0		88.6	70-130				
Bromoform	38		"	50.0		75.4	70-130				
Bromomethane	16		"	50.0		32.5	70-130	Low Bias			
Carbon tetrachloride	48		"	50.0		96.2	70-130				
Chlorobenzene	45		"	50.0		89.4	70-130				
Chloroethane	36		"	50.0		71.4	70-130				
Chloroform	46		"	50.0		92.7	70-130				
Chloromethane	43		"	50.0		86.5	70-130				
cis-1,2-Dichloroethylene	45		"	50.0		89.7	70-130				
cis-1,3-Dichloropropylene	45		"	50.0		90.4	70-130				
Dibromochloromethane	44		"	50.0		87.8	70-130				
Dibromomethane	45		"	50.0		89.7	70-130				
Dichlorodifluoromethane	37		"	50.0		74.2	70-130				
Hexachlorobutadiene	40		"	50.0		80.0	70-130				
Methylene chloride	43		"	50.0		85.9	70-130				
Tetrachloroethylene	45		"	50.0		90.7	70-130				
trans-1,2-Dichloroethylene	46		"	50.0		91.5	70-130				
trans-1,3-Dichloropropylene	46		"	50.0		91.0	70-130				
Trichloroethylene	45		"	50.0		89.4	70-130				
Trichlorofluoromethane	43		"	50.0		86.9	70-130				
Vinyl Chloride	47		"	50.0		93.5	70-130				
Surrogate: 1,2-Dichloroethane-d4	*53.0*		*"*	*50.0*		*106*	*70-130*				
Surrogate: p-Bromofluorobenzene	*46.2*		*"*	*50.0*		*92.3*	*70-130*				
Surrogate: Toluene-d8	*48.5*		*"*	*50.0*		*97.0*	*70-130*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00112 - EPA 5035B											
LCS Dup (BD00112-BSD1)					Prepared & Analyzed: 04/06/2010						
1,1,1,2-Tetrachloroethane	47		ug/L	50.0		94.4	70-130		2.66	30	
1,1,1-Trichloroethane	50		"	50.0		99.8	70-130		4.17	30	
1,1,2,2-Tetrachloroethane	41		"	50.0		82.3	70-130		6.44	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45		"	50.0		90.1	70-130		1.09	30	
1,1,2-Trichloroethane	47		"	50.0		93.7	70-130		6.32	30	
1,1-Dichloroethane	48		"	50.0		96.8	70-130		3.64	30	
1,1-Dichloroethylene	50		"	50.0		100	70-130		4.17	30	
1,1-Dichloropropylene	49		"	50.0		98.5	70-130		3.66	30	
1,2,3-Trichlorobenzene	45		"	50.0		90.2	70-130		12.0	30	
1,2,3-Trichloropropane	41		"	50.0		81.2	70-130		6.17	30	
1,2,4-Trichlorobenzene	49		"	50.0		97.1	70-130		8.10	30	
1,2-Dibromo-3-chloropropane	38		"	50.0		76.3	70-130		12.9	30	
1,2-Dibromoethane	48		"	50.0		95.6	70-130		4.62	30	
1,2-Dichlorobenzene	43		"	50.0		87.0	70-130		6.24	30	
1,2-Dichloroethane	43		"	50.0		86.7	70-130		1.84	30	
1,2-Dichloropropane	46		"	50.0		91.8	70-130		3.55	30	
1,3-Dichlorobenzene	45		"	50.0		90.0	70-130		4.06	30	
1,3-Dichloropropane	48		"	50.0		95.3	70-130		5.66	30	
1,4-Dichlorobenzene	47		"	50.0		93.3	70-130		7.45	30	
2,2-Dichloropropane	47		"	50.0		94.4	70-130		4.22	30	
2-Chlorotoluene	41		"	50.0		82.8	70-130		5.69	30	
4-Chlorotoluene	43		"	50.0		86.1	70-130		7.02	30	
Bromobenzene	41		"	50.0		82.7	70-130		7.92	30	
Bromochloromethane	46		"	50.0		92.6	70-130		4.08	30	
Bromodichloromethane	47		"	50.0		94.5	70-130		6.40	30	
Bromoform	40		"	50.0		79.6	70-130		5.39	30	
Bromomethane	16		"	50.0		31.3	70-130	Low Bias	3.89	30	
Carbon tetrachloride	49		"	50.0		99.0	70-130		2.89	30	
Chlorobenzene	47		"	50.0		93.3	70-130		4.22	30	
Chloroethane	38		"	50.0		75.6	70-130		5.77	30	
Chloroform	48		"	50.0		95.6	70-130		3.14	30	
Chloromethane	44		"	50.0		88.1	70-130		1.81	30	
cis-1,2-Dichloroethylene	44		"	50.0		88.8	70-130		1.03	30	
cis-1,3-Dichloropropylene	47		"	50.0		94.7	70-130		4.69	30	
Dibromochloromethane	45		"	50.0		90.6	70-130		3.14	30	
Dibromomethane	47		"	50.0		94.7	70-130		5.43	30	
Dichlorodifluoromethane	39		"	50.0		77.1	70-130		3.81	30	
Hexachlorobutadiene	46		"	50.0		91.4	70-130		13.3	30	
Methylene chloride	44		"	50.0		88.1	70-130		2.62	30	
Tetrachloroethylene	48		"	50.0		95.9	70-130		5.62	30	
trans-1,2-Dichloroethylene	49		"	50.0		97.7	70-130		6.60	30	
trans-1,3-Dichloropropylene	49		"	50.0		98.9	70-130		8.28	30	
Trichloroethylene	49		"	50.0		97.5	70-130		8.67	30	
Trichlorofluoromethane	45		"	50.0		89.7	70-130		3.15	30	
Vinyl Chloride	48		"	50.0		95.3	70-130		1.95	30	
Surrogate: 1,2-Dichloroethane-d4	*53.2*		*"*	*50.0*		*106*	*70-130*				
Surrogate: p-Bromofluorobenzene	*46.8*		*"*	*50.0*		*93.5*	*70-130*				
Surrogate: Toluene-d8	*49.4*		*"*	*50.0*		*98.7*	*70-130*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00112 - EPA 5035B											
Matrix Spike (BD00112-MS1)	*Source(Sample used for MS/MSD): 10D0014-07					Prepared & Analyzed: 04/06/2010					
1,1,1,2-Tetrachloroethane	43		ug/L	50.0	ND	85.8	70-130				
1,1,1-Trichloroethane	44		"	50.0	ND	87.3	70-130				
1,1,2,2-Tetrachloroethane	36		"	50.0	ND	71.4	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	39		"	50.0	ND	78.5	70-130				
1,1,2-Trichloroethane	41		"	50.0	ND	82.6	70-130				
1,1-Dichloroethane	42		"	50.0	ND	84.9	70-130				
1,1-Dichloroethylene	44		"	50.0	ND	87.9	70-130				
1,1-Dichloropropylene	43		"	50.0	ND	86.7	70-130				
1,2,3-Trichlorobenzene	35		"	50.0	ND	69.9	70-130	Low Bias			
1,2,3-Trichloropropane	35		"	50.0	ND	69.1	70-130	Low Bias			
1,2,4-Trichlorobenzene	36		"	50.0	ND	71.1	70-130				
1,2-Dibromo-3-chloropropane	32		"	50.0	ND	64.0	70-130	Low Bias			
1,2-Dibromoethane	42		"	50.0	ND	83.9	70-130				
1,2-Dichlorobenzene	37		"	50.0	ND	74.7	70-130				
1,2-Dichloroethane	39		"	50.0	ND	77.8	70-130				
1,2-Dichloropropane	43		"	50.0	ND	85.7	70-130				
1,3-Dichlorobenzene	38		"	50.0	ND	76.0	70-130				
1,3-Dichloropropane	43		"	50.0	ND	87.0	70-130				
1,4-Dichlorobenzene	38		"	50.0	ND	76.9	70-130				
2,2-Dichloropropane	42		"	50.0	ND	83.2	70-130				
2-Chlorotoluene	36		"	50.0	ND	71.8	70-130				
4-Chlorotoluene	38		"	50.0	ND	75.6	70-130				
Bromobenzene	36		"	50.0	ND	72.7	70-130				
Bromochloromethane	41		"	50.0	ND	81.9	70-130				
Bromodichloromethane	42		"	50.0	ND	84.5	70-130				
Bromoform	35		"	50.0	ND	69.8	70-130	Low Bias			
Bromomethane	14		"	50.0	ND	27.6	70-130	Low Bias			
Carbon tetrachloride	43		"	50.0	ND	86.6	70-130				
Chlorobenzene	41		"	50.0	ND	81.6	70-130				
Chloroethane	33		"	50.0	ND	65.2	70-130	Low Bias			
Chloroform	42		"	50.0	ND	84.8	70-130				
Chloromethane	38		"	50.0	ND	76.1	70-130				
cis-1,2-Dichloroethylene	41		"	50.0	ND	81.1	70-130				
cis-1,3-Dichloropropylene	43		"	50.0	ND	85.9	70-130				
Dibromochloromethane	42		"	50.0	ND	83.7	70-130				
Dibromomethane	43		"	50.0	ND	85.5	70-130				
Dichlorodifluoromethane	30		"	50.0	ND	60.4	70-130	Low Bias			
Hexachlorobutadiene	36		"	50.0	ND	73.0	70-130				
Methylene chloride	40		"	50.0	15	50.2	70-130	Low Bias			
Tetrachloroethylene	48		"	50.0	ND	97.0	70-130				
trans-1,2-Dichloroethylene	42		"	50.0	ND	84.6	70-130				
trans-1,3-Dichloropropylene	43		"	50.0	ND	86.1	70-130				
Trichloroethylene	43		"	50.0	ND	85.7	70-130				
Trichlorofluoromethane	39		"	50.0	ND	78.9	70-130				
Vinyl Chloride	41		"	50.0	ND	82.1	70-130				
Surrogate: 1,2-Dichloroethane-d4	*50.2*		*"*	*50.0*		*100*	*70-130*				
Surrogate: p-Bromofluorobenzene	*46.2*		*"*	*50.0*		*92.5*	*70-130*				
Surrogate: Toluene-d8	*49.6*		*"*	*50.0*		*99.1*	*70-130*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00112 - EPA 5035B											
Matrix Spike Dup (BD00112-MSD1)	*Source(Sample used for MS/MSD): 10D0014-07					Prepared & Analyzed: 04/06/2010					
1,1,1,2-Tetrachloroethane	49		ug/L	50.0	ND	97.1	70-130		12.4	30	
1,1,1-Trichloroethane	50		"	50.0	ND	101	70-130		14.6	30	
1,1,2,2-Tetrachloroethane	40		"	50.0	ND	79.3	70-130		10.5	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45		"	50.0	ND	89.5	70-130		13.1	30	
1,1,2-Trichloroethane	47		"	50.0	ND	93.7	70-130		12.6	30	
1,1-Dichloroethane	49		"	50.0	ND	97.6	70-130		13.9	30	
1,1-Dichloroethylene	49		"	50.0	ND	98.8	70-130		11.8	30	
1,1-Dichloropropylene	49		"	50.0	ND	97.4	70-130		11.6	30	
1,2,3-Trichlorobenzene	39		"	50.0	ND	78.8	70-130		12.0	30	
1,2,3-Trichloropropane	39		"	50.0	ND	77.8	70-130		11.9	30	
1,2,4-Trichlorobenzene	39		"	50.0	ND	78.7	70-130		10.1	30	
1,2-Dibromo-3-chloropropane	38		"	50.0	ND	76.9	70-130		18.2	30	
1,2-Dibromoethane	49		"	50.0	ND	97.9	70-130		15.4	30	
1,2-Dichlorobenzene	42		"	50.0	ND	84.8	70-130		12.7	30	
1,2-Dichloroethane	44		"	50.0	ND	88.5	70-130		12.9	30	
1,2-Dichloropropane	49		"	50.0	ND	97.5	70-130		12.9	30	
1,3-Dichlorobenzene	43		"	50.0	ND	86.0	70-130		12.4	30	
1,3-Dichloropropane	49		"	50.0	ND	97.7	70-130		11.7	30	
1,4-Dichlorobenzene	43		"	50.0	ND	86.8	70-130		12.1	30	
2,2-Dichloropropane	47		"	50.0	ND	94.6	70-130		12.9	30	
2-Chlorotoluene	41		"	50.0	ND	82.1	70-130		13.4	30	
4-Chlorotoluene	43		"	50.0	ND	85.2	70-130		12.0	30	
Bromobenzene	41		"	50.0	ND	82.8	70-130		13.0	30	
Bromochloromethane	45		"	50.0	ND	91.0	70-130		10.5	30	
Bromodichloromethane	49		"	50.0	ND	97.4	70-130		14.1	30	
Bromoform	41		"	50.0	ND	81.3	70-130		15.3	30	
Bromomethane	16		"	50.0	ND	32.0	70-130	Low Bias	15.0	30	
Carbon tetrachloride	51		"	50.0	ND	101	70-130		15.4	30	
Chlorobenzene	47		"	50.0	ND	94.0	70-130		14.2	30	
Chloroethane	38		"	50.0	ND	75.5	70-130		14.7	30	
Chloroform	48		"	50.0	ND	96.4	70-130		12.8	30	
Chloromethane	43		"	50.0	ND	86.7	70-130		13.0	30	
cis-1,2-Dichloroethylene	45		"	50.0	ND	90.6	70-130		11.0	30	
cis-1,3-Dichloropropylene	49		"	50.0	ND	98.1	70-130		13.3	30	
Dibromochloromethane	47		"	50.0	ND	94.5	70-130		12.2	30	
Dibromomethane	48		"	50.0	ND	96.3	70-130		11.8	30	
Dichlorodifluoromethane	35		"	50.0	ND	69.3	70-130	Low Bias	13.8	30	
Hexachlorobutadiene	40		"	50.0	ND	80.4	70-130		9.67	30	
Methylene chloride	44		"	50.0	15	58.4	70-130	Low Bias	15.0	30	
Tetrachloroethylene	56		"	50.0	ND	112	70-130		14.3	30	
trans-1,2-Dichloroethylene	49		"	50.0	ND	98.6	70-130		15.3	30	
trans-1,3-Dichloropropylene	50		"	50.0	ND	99.6	70-130		14.6	30	
Trichloroethylene	49		"	50.0	ND	98.6	70-130		14.0	30	
Trichlorofluoromethane	46		"	50.0	ND	91.3	70-130		14.6	30	
Vinyl Chloride	47		"	50.0	ND	94.8	70-130		14.4	30	
Surrogate: 1,2-Dichloroethane-d4	*50.4*		*"*	*50.0*		*101*	*70-130*				
Surrogate: p-Bromofluorobenzene	*46.5*		*"*	*50.0*		*93.0*	*70-130*				
Surrogate: Toluene-d8	*48.9*		*"*	*50.0*		*97.9*	*70-130*				

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Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Attachment D

NYSDOH Vapor Intrusion Decision Matrices

Table 3.2 General format of a decision matrix

	Indoor Air Concentration of Volatile Chemical (mcg/m^3)		
Sub-slab Vapor Concentration of Volatile Chemical (mcg/m^3)	Concentration Range 1	Concentration Range 2	Concentration Range 3
Concentration Range 1	ACTION	ACTION	ACTION
Concentration Range 2	ACTION	ACTION	ACTION
Concentration Range 3	ACTION	ACTION	ACTION

Indoor air and sub-slab vapor concentration ranges in a matrix are selected based on a number of considerations in addition to health risks. For example, factors that are considered when selecting the ranges include, but are not limited to, the following:

a. human health risks (i.e., cancer and non-cancer health effects) associated with exposure to the volatile chemical in air;

b. the NYSDOH's guidelines for volatile chemicals in air [Table 3.1];

c. background concentrations of volatile chemicals in air [Section 3.2.4];

d. analytical capabilities currently available; and

e. attenuation factors (i.e., the ratio of indoor air to sub-slab vapor concentrations).

3.4.2 Matrices

The NYSDOH has developed two matrices, which are included at the end of Section 3.4, to use as tools in making decisions when soil vapor may be entering buildings. The first decision matrix was originally developed for TCE and the second for PCE. As summarized in Table 3.3, four chemicals have been assigned to the two matrices to date.

Table 3.3 Volatile chemicals and their decision matrices

Chemical	**Soil Vapor/Indoor Air Matrix***
Carbon tetrachloride	Matrix 1
Tetrachloroethene (PCE)	Matrix 2
1,1,1-Trichloroethane (1,1,1-TCA)	Matrix 2
Trichloroethene (TCE)	Matrix 1

*The decision matrices are available at the end of Section 3.4.

Soil Vapor / Indoor Air Matrix 1

October 2006

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 0.25	0.25 to < 1	1 to < 5.0	5.0 and above
< 5	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
5 to < 50	5. No further action	6. MONITOR	7. MONITOR	8. MITIGATE
50 to < 250	9. MONITOR	10. MONITOR / MITIGATE	11. MITIGATE	12. MITIGATE
250 and above	13. MITIGATE	14. MITIGATE	15. MITIGATE	16. MITIGATE

No further action:
Given that the compound was not detected in the indoor air sample and that the concentration detected in the sub-slab vapor sample is not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

Take reasonable and practical actions to identify source(s) and reduce exposures:
The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile organic compound-containing products in places where people do not spend much time, such as a garage or outdoor shed). Resampling may be recommended to demonstrate the effectiveness of actions taken to reduce exposures.

MONITOR:
Monitoring, including sub-slab vapor, basement air, lowest occupied living space air, and outdoor air sampling, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site-specific and building-specific basis, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MITIGATE:
Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system, and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MONITOR / MITIGATE:
Monitoring or mitigation may be recommended after considering the magnitude of sub-slab vapor and indoor air concentrations along with building- and site-specific conditions.

See additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX 1

This matrix summarizes the minimum actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate building-specific conditions (e.g., dirt floor in basement, crawl spaces, etc.) and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, resampling may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Additionally, actions more protective of public health than those specified within the matrix may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action is usually undertaken for reasons other than public health (e.g., seeking community acceptance, reducing excessive costs, etc.).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of vapor contamination, nor does it preclude remediating contaminated soil vapors or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.25 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples, a minimum reporting limit of 5 micrograms per cubic meter is recommended for buildings with full slab foundations, and 1 microgram per cubic meter for buildings with less than a full slab foundation.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions may be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including the identified source of the volatile chemicals, the environmental remediation program, and site-specific and building-specific conditions. For example, to the extent that all site data and site conditions demonstrate that soil vapor intrusion is not occurring and that the potential for soil vapor intrusion to occur is not likely, the soil vapor intrusion investigation would be considered complete. In general, if indoor exposures represent a concern due to indoor sources, then the State will provide guidance to the property owner and/or tenant on ways to reduce their exposure. If indoor exposures represent a concern due to outdoor sources, then the NYSDEC will decide who is responsible for further investigation and any necessary remediation. Depending upon the outdoor source, this responsibility may or may not fall upon the party conducting the soil vapor intrusion investigation.

Soil Vapor / Indoor Air Matrix 2

October 2006

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 3	3 to < 30	30 to < 100	100 and above
< 100	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
100 to < 1,000	5. MONITOR	6. MONITOR / MITIGATE	7. MITIGATE	8. MITIGATE
1,000 and above	9. MITIGATE	10. MITIGATE	11. MITIGATE	12. MITIGATE

No further action:
Given that the compound was not detected in the indoor air sample and that the concentration detected in the sub-slab vapor sample is not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

Take reasonable and practical actions to identify source(s) and reduce exposures:
The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile organic compound-containing products in places where people do not spend much time, such as a garage or outdoor shed). Resampling may be recommended to demonstrate the effectiveness of actions taken to reduce exposures.

MONITOR:
Monitoring, including sub-slab vapor, basement air, lowest occupied living space air, and outdoor air sampling, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site-specific and building-specific basis, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MITIGATE:
Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system, and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MONITOR / MITIGATE:
Monitoring or mitigation may be recommended after considering the magnitude of sub-slab vapor and indoor air concentrations along with building- and site-specific conditions.

See additional notes on page 2.

Apex Companies, LLC
"Where Excellence Meets Value"

155 Tri-County Parkway
Suite 250
Cincinnati, Ohio 45246
Telephone: 513-771-3617
Facsimile: 513-771-3723

July 2, 2010

Ms. Vivian Knight
Phillips Edison & Company
11501 Northlake Drive
Cincinnati, Ohio 45249

Re: Reporting on May – June 2010 Site Investigation
Southside Plaza, 704 – 744 Foote Avenue
Jamestown, New York

Dear Ms. Knight,

Apex Companies, LLC is pleased to provide Phillips Edison & Company Ltd (PECO) with the results of the additional site investigation activities conducted in May and June 2010 at the above-referenced Site.

1. BACKGROUND

The Southside Plaza is located at 704-744 Foote Avenue in Jamestown, New York (Figure 1). Previous Phase 1 Assessments completed by others identified a dry cleaner and former gas station on the Site. The exact location of the dry cleaner was not established, however, it was reportedly located at the southern edge of the tenant lease areas.

In August 2008, two subsurface soil gas samples and two sub-slab soil gas samples were collected to evaluate the reported location of the former dry cleaner. The investigation was focused on the southernmost tenant space (Quality Market) on the property. The adjacent tenant space to south of the Quality Market is not owned by PECO. The highest levels of Tetrachloroethene (PCE) and Trichloroethene (TCE) were found in the subsurface soil gas sample collected in front of the Quality Market tenant space (1,310 $\mu g/m^3$ PCE and 224 $\mu g/m^3$ TCE at SV-1). PCE and its breakdown products were also detected in the two sub-slab soil gas samples and the subsurface soil gas sample collected behind the building (see Figure 2).

During the August 2008 investigation, the former gas station located on the northern portion of the Site was also evaluated by advancing 4 soil borings and collecting soil and groundwater samples. Though no petroleum related constituents were detected in the soil or groundwater samples, PCE was detected in groundwater at 61 µg/l at SB-1 (above the generic state screening level of 5 µg/l).

In March 2010, additional investigation was conducted based on the previous findings and new information that a dry cleaner may have operated in the vicinity of the tenant space currently occupied by UPS, the northern-most tenant space of the existing building. The investigation included soil and groundwater sampling from direct push borings at the front and back of the Quality Market tenant space, near the UPS tenant space, and at the location where elevated levels of PCE in groundwater were detected during the August 2008 investigation of the former gas station. Indoor air and sub-slab soil gas sampling was conducted at the UPS tenant space, and indoor air sampling was conducted within the Quality Market tenant space. Laboratory results for soil samples found no significant detections of halogenated VOCs. However, levels of PCE in groundwater ranged from 22 to 50 µg/L at 4 of the 5 sample locations.

During the May - June 2010 investigation five groundwater monitoring wells were installed and sampled to evaluate groundwater conditions at the Site, identify the likely source area, and verify the direction of shallow groundwater flow. The soil and groundwater sampling locations from the August 2008, March 2010 and May - June 2010 investigations are shown in Figure 3.

2. FIELD INVESTIGATION

On May 25 through June 1, 2010, Terrie Swanson, a representative from Apex, conducted investigation activities. "Call Before You Dig" was notified at least 72 hours prior to initiating the work for the clearance of underground utilities in the vicinity of each of the sampling locations. Five soil borings were advanced through the overburden soils using hollow stem auger (HSA) drilling techniques and samples were collected. Borings were advanced until groundwater was encountered and permanent monitoring wells were installed by Nature's Way, a well drilling subcontractor. Borings were advanced in the area immediately surrounding the former dry cleaner (but limited by the property line to the south), and at the down gradient property lines to the north and east-northeast (based on the inferred direction of groundwater flow). The locations of the soil boring/monitoring wells are shown on Figure 3.

Soil Sampling

Continuous soil samples were collected in the unconsolidated soils using HSA sampling methods and logged at each boring location (MW-1 through MW-5). Split spoon sampling rods were advanced into the soil and retrieved in 2-foot intervals. Once retrieved, the samplers were split open for lithologic observation and sample collection. Each two-foot interval of soil was split and placed in two sealed containers. One container was placed in a cooler while the other was allowed to equilibrate for a minimum of 30 minutes in a temperature-controlled environment; the samples were then screened with a photoionization detector ("PID") for the presence of VOCs.

Moist soils were encountered at a depth of approximately 6 feet below ground surface (bgs) and borings were terminated when wet soils were encountered that indicated a groundwater zone. Beneath the parking lot blacktop and sub-base, subsurface lithologies consisted of sandy silt, followed by silty sand with gravel (where wet soils were generally found) and hard dense sandy silt with gravel. Auger refusal was encountered at MW-2 (at 15.5 feet bgs) and MW-4 (at 11 feet bgs), the remaining boring were terminated between 16 and 20 feet bgs.

None of the soil samples collected from the five soil borings exhibited visual or olfactory evidence of a release or positive PID responses. Since no evidence of impacted soil was identified during the screening, soil samples were selected from the interval determined by the geologist to be most likely to be contaminated based on changes in soil type or moisture levels. Copies of boring logs, including the PID readings taken in the field, can be found in Appendix A.

The samples selected for laboratory analysis were collected in laboratory provided glass jars, labeled, and immediately preserved on ice. Disposable nitrile gloves were used during sample collection to avoid cross contamination. The samples were transported to York Analytical Laboratories ("York") in Stratford, Connecticut to be analyzed for the presence of halogenated VOCs by Method 8260B. Chain-of-custody procedures were followed during all soil sample collection and handling activities.

Groundwater Sampling

Each of the five soil borings was converted to a permanent monitoring well. Depths of the wells ranged from 11.5 to 20 feet bgs. Each well was constructed from 8 to 15 feet of 2-inch diameter, 10 slot PVC well screen and 2-inch diameter, threaded, flush joint PVC riser pipe extending to the ground surface. No. 2 graded silica sand was used to fill the annular space from the bottom of the boring to approximately 2-feet above the top of the well screen. The remainder of the borehole was filled with bentonite to within 1 foot of the surface and a well monument, complete with a water tight cover and concrete pad was constructed to prevent water from draining into the

well vault. Copies of well completion diagrams can be found in Appendix B.

Following monitoring well installation, each well was developed by surging and removing at least 30 gallons of groundwater using disposable bailers. Due to the high silt content in the formation, development water remained fairly turbid.

Following an approximately 4 day equilibration period, wells were purged again until the water quality parameters (pH, temperature, and conductivity) stabilized and a groundwater sample was collected. The groundwater samples were collected in appropriate laboratory supplied sample containers, labeled, and preserved on ice. Samples were collected and transported under standard chain-of-custody procedures to York for analysis of halogenated VOCs by Method 8260B. Copies of the sampling purge logs can be found in Appendix C.

Depth to Groundwater Measurement

Following installation, the five monitoring wells were surveyed at the tops of their casing to determine their elevations relative to one another. Depth to groundwater measurements were recorded for each of the five monitoring wells after the development and equilibration period but prior to groundwater purging and sampling.

Investigation Derived Waste

All purge water and soil cuttings were collected in DOT 55-gallon drums supplied by the driller and stored on-Site pending the results of laboratory analysis of soil and groundwater samples.

3. FINDINGS

Groundwater Elevation

Depth to groundwater measurements, groundwater elevation data, and well construction details can be found in the attached Table 1. The groundwater elevation contours are shown in Figure 4. The shallow groundwater gradient is generally to the northeast, with an apparently more northward component on the northern portion of the Site. This appears to be consistent with area topography that slopes toward the Chadakoin River approximately ¾ miles north of the Site.

Soil and Groundwater Results

Soil analytical data was compared to New York State Department of Environmental Conservation (NYSDEC) Recommended Soil Cleanup Objectives (RSCOs) included in the NYSDEC Technical Administrative Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Levels, revised in April 1995, and 2000 update (TAGM – RSCO).

Detections of halogenated VOCs in soils are summarized in Table 2. With the exception of very low levels of PCE at MW-3, which were below the TAGM-RSCO cleanup levels, no VOCs were detected in soils above their laboratory Method Detection Limits (MDLs). These data support the visual and olfactory observations, and PID responses that indicated that soils in the areas sampled have not been impacted by a release of VOCs. Laboratory analytical results for soil samples are provided in Attachment D.

Groundwater analytical data was compared to Standards for the Protection of Source Drinking Water (groundwater) provided in NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limits (TOGS111). In the case of halogenated VOCs, and PCE in particular, this standard is applicable for all groundwater classifications.

Detections of halogenated VOCs in groundwater are summarized in Table 3. Levels of PCE detected in 4 of the 5 wells ranged from 110 to 2,300 ug/L, above the groundwater standard of 5 ug/L. TCE was detected in three of the five wells at concentration ranging from 6.4 to 39 ug/L, above the groundwater standard of 5 ug/L. Methylene chlorine was also detected in all of the groundwater samples, however, since this compound was also detected in the lab blank, it is assumed to be a laboratory contaminant. No other halogenated VOCs were detected in samples above the reporting limit. A summary of the groundwater analytical test results are presented in Figure 5. Laboratory analytical results for groundwater samples are provided in Attachment E.

The following is a summary of detections of halogenated VOCs in soil and groundwater samples collected during the most recent investigation in the vicinity of the dry cleaner, upgradient, and down gradient areas, with respect to NYSDEC TAGM – RSCO and TOGS111:

- With the exception of PCE at MW-3 (37 µg/kg), no VOCs are present above MDLs in the soil samples. The cleanup standard for PCE in soil is 1,400 µg/kg.

- PCE and TCE were both present in groundwater at levels that exceed the groundwater standard of 5µg/L.

- The highest concentrations of PCE and TCE were 2,300 and 39 ug/L, respectively, at MW-2, located immediately downgradient of the southernmost portion of the Quality Market.

- Levels of PCE in the wells located in the downgradient (MW-1 and MW-5) and possibly cross-gradient direction (MW-3) ranged from 110 to 210 ug/L, and levels of TCE ranged from 5 to 9.4 ug/L.

- No halogenated VOCs were detected in the upgradient well (MW-4)

The distribution and levels of halogenated VOCs in groundwater, suggest that plume of PCE and TCE extends from the southern portion of the Quality Market to northern-most property line, and along the diagonal property line that extends in the southeast and northwest orientation. Concentrations of PCE and TCE appear to be highest in the immediate vicinity of the Quality Market then decrease to a fairly uniform concentration over the plume. The concentration distribution appears to be consistent with a plume that emanates from a source area at southern portion of the Quality Market, but may also be indicative of plume that originates further south from the adjacent property.

4. RECOMMENDATIONS

Based on levels and distribution of PCE and TCE in groundwater and the relatively high concentration of PCE and TCE cross gradient from the apparent source area, it recommended that additional monitoring wells be installed off-site to the south of the southern-most property line. Groundwater elevations at the wells will be used to verify the shallow groundwater gradient to the east and south of the apparent source, and sampling results will assist in locating the source area from which the groundwater plume is emanating. Since the recommended wells are located off-Site, an access and entry agreement will be required from the adjacent property owner.

6. REPORT LIMITATIONS

The findings presented in this report are not specific certainties; rather they are probabilities based upon professional judgment, analytical results and risk-based guidance values published

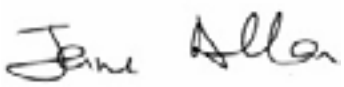
by the NYSDOH and NYSDEC. Apex is not able to represent that the Site presents no environmental conditions other than those described during this investigation.

Implementation or use of the findings in this report does not assure the elimination of present or future liability or the fulfillment of the property owner's obligations under local, state or Federal laws. This report is prepared for the benefit of PECO and may not be relied upon by any other person or entity. The findings set forth in this report are limited in time and scope to the circumstances at the time of the field investigation.

Please feel free to call me with any questions that you may have.

Sincerely,

Apex Companies, LLC.



Jane Allan, PhD
Project Manager

Tables	1.	Monitoring Well Construction and June 2010 Groundwater Elevations
	2.	Detections of Halogenated VOCs in Soils – May 2010
	3.	Detections of Halogenated VOCs Groundwater – June 2010
Figures	1.	Site Location Map
	2.	Sampling Locations August 2008 Investigation
	3.	Soil and Groundwater Sampling Locations
	4.	Groundwater Elevations – June 2010
	5.	VOCs in Groundwater – June 2010

Attachment A – Soil Boring Logs
Attachment B – Well Completion Logs and Survey
Attachment C – Groundwater Sampling Purge Logs
Attachment D – Laboratory Analytical Report for Soils
Attachment E – Laboratory Analytical Report for Groundwater

TABLES

Table 1
Monitoring Well Construction and June 2010 Groundwater Elevations
Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

Monitoring Well ID	Well Depth (feet)	TOC Elevation (feet)	Screened Interval (feet bgs)	Depth to Water (feet)	Groundwater Relative Elevation (feet)
MW-1	20.0	98.52	5 - 20	8.21	90.31
MW-2	16.0	99.14	5.5 - 16	6.05	93.09
MW-3	14.0	97.44	4 - 14	5.85	91.59
MW-4	11.5	105.72	3.5 - 11.5	6.54	99.18
MW-5	20.0	95.99	5 - 20	10.15	85.84

Notes :

TOC Elevation - Top of Casing Elevation
Depth to groundwater measured on 6/1/2010
bgs - below ground surface

Table 2
Detections of Halogenated VOCs in Soil - May 2010
Southside Plaza

704 - 744 Foote Avenue
Jamestown, New York

Monitoring Well ID	MW-1	MW-2	MW-3	MW-4	MW-5	Reporting Limit	NYSDEC TAGM RSCO *
Sample Depth	**8' -10' bgs**	**6' - 8' bgs**	**8' - 10' bgs**	**6' - 8' bgs**	**4' - 6' bgs**		
VOCs (µg/kg)							
Methylene chloride	28 B	28 B	28 B	26 B	24 B	24	100
Tetrachloroethylene	<12	<12	37	<12	<12	12	1400
Trichloroethylene	<12	<12	4.0 J	<12	<12	12	700

Notes :

J - Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B - Analyte is found in the associated analysis batch blank.
* NYSDEC TAGM - Recommended Soil Cleanup Objectives, HWR-94-4046, Revised 4/95 and 2000 NYSDEC STARS

Table 3
Detections of Halogenated VOCs in Groundwater - June 2010
Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

Monitoring Well ID	MW-1	MW-2	MW-3	MW-3 Duplicate	MW-4	MW-5	Reporting Limit	NYSDEC GW Standard *
VOCs (µg/L)								
cis-1,2-Dichloroethylene	3.2 J	2.8 J	1.8 J	1.8 J	<5	<5	5	5
Methylene chloride	5.0 J,B	4.2 J,B	3.5 J,B	4.4 J,B	3.0 J,B	2.6 J,B	10	5
Tetrachloroethylene	**210**	**2,300**	**190**	**200**	<5	**110**	5.0	5
Trichloroethylene	**9.4**	**39**	4.2 J	3.7 J	<5	**6.4**	5.0	5
Vinyl Chloride	2.9 J	<5	<5	<5	<5	<5	5.0	2

Notes :

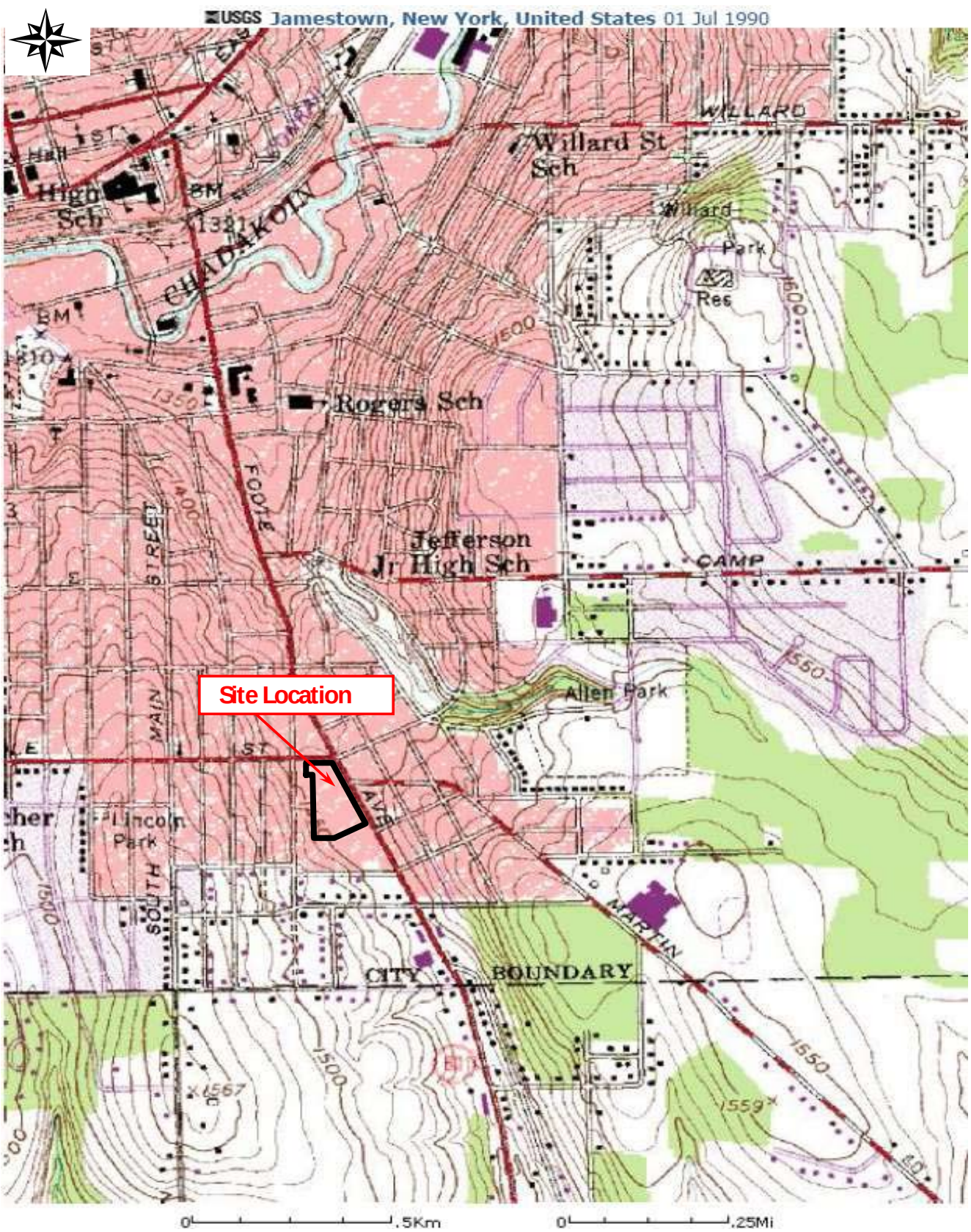
Bold and shaded values exceeded Groundwater Standard

J - Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.

B - Analyte is found in the associated analysis batch blank.

* NYSDEC Class GA Ambient Water Quality Standards and Guidance Values, NYSDEC Division of Water Quality and Operational Guidance Series (1.1.1) - Ambient Water Quality and Guidance Values and Effluent Limitations Reissued June 1998.

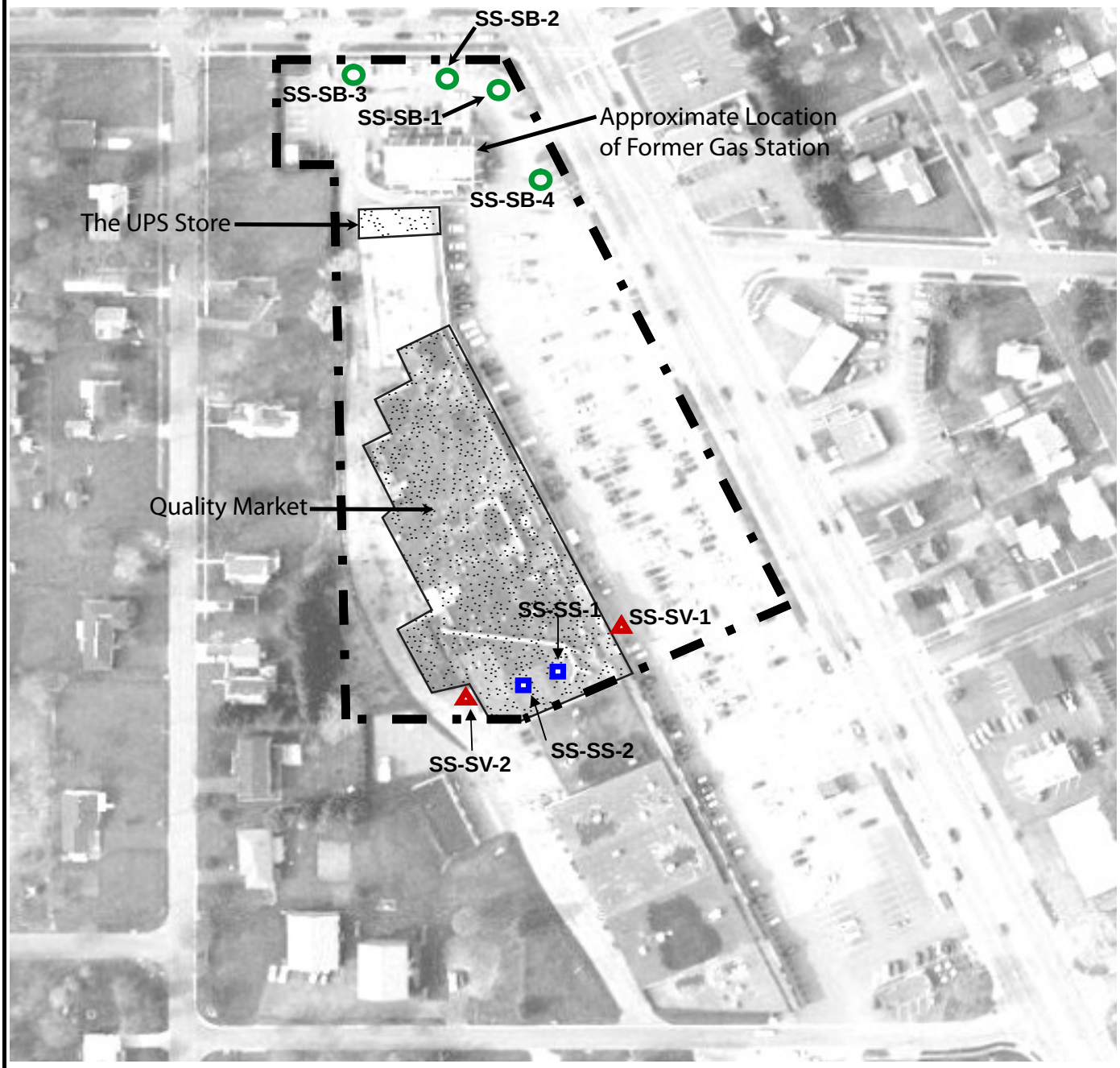
FIGURES



Apex Companies, LLC
Environmental Consulting & Engineering
155 Tri-County Pky, Ste 250, Cincinnati, Ohio 45246

Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

Figure 1
Site Location Map



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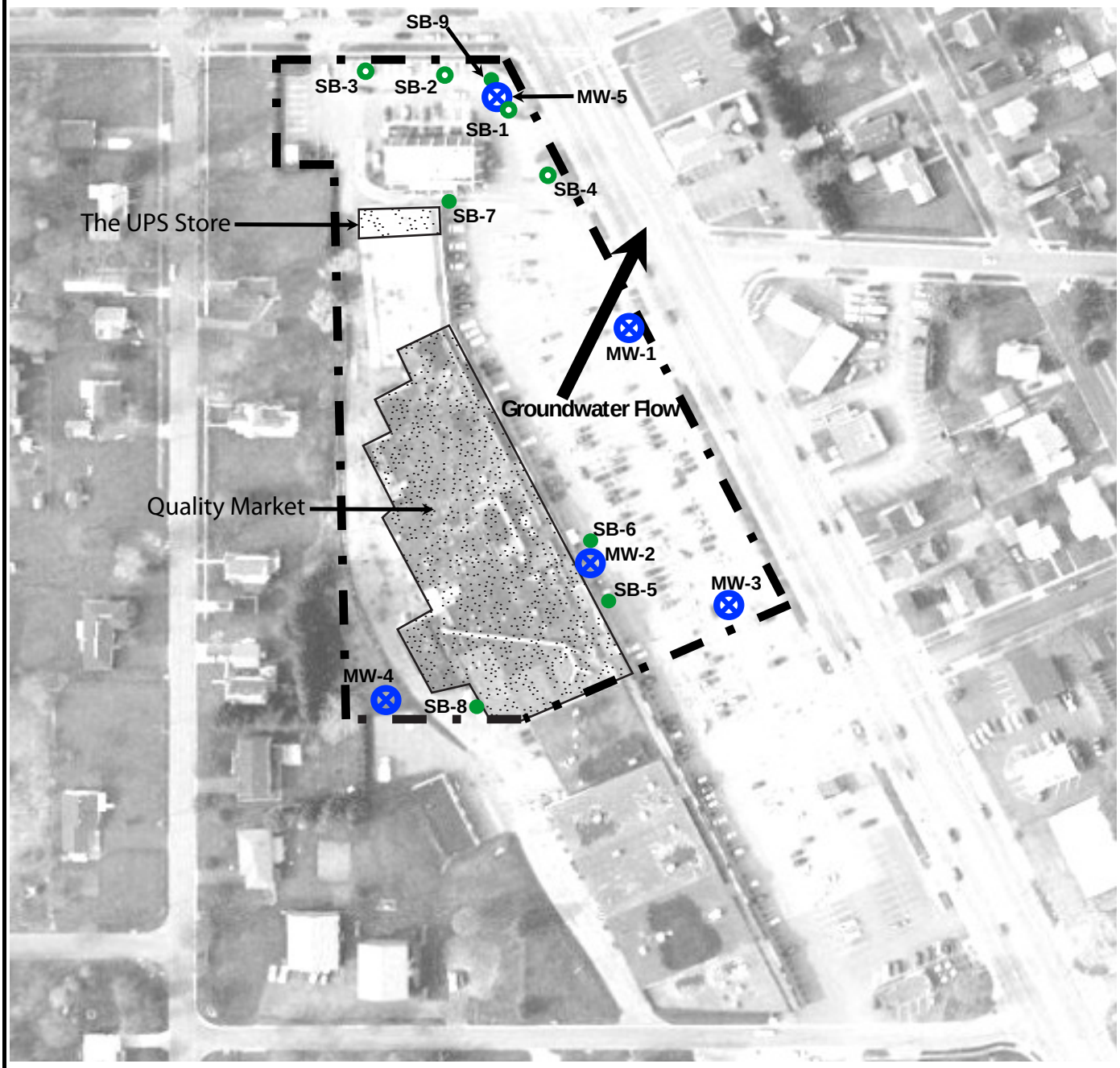
Southside Plaza

704 - 744 Foote Avenue
Jamestown, New York

Figure 2
Sampling Locations
August 2008 Investigation



SB-1 Boring Location from August 2008 Investigation

SB-5 Boring Location from March 2010 Investigation

MW-1 ← Monitoring Well Number Installed May 2010

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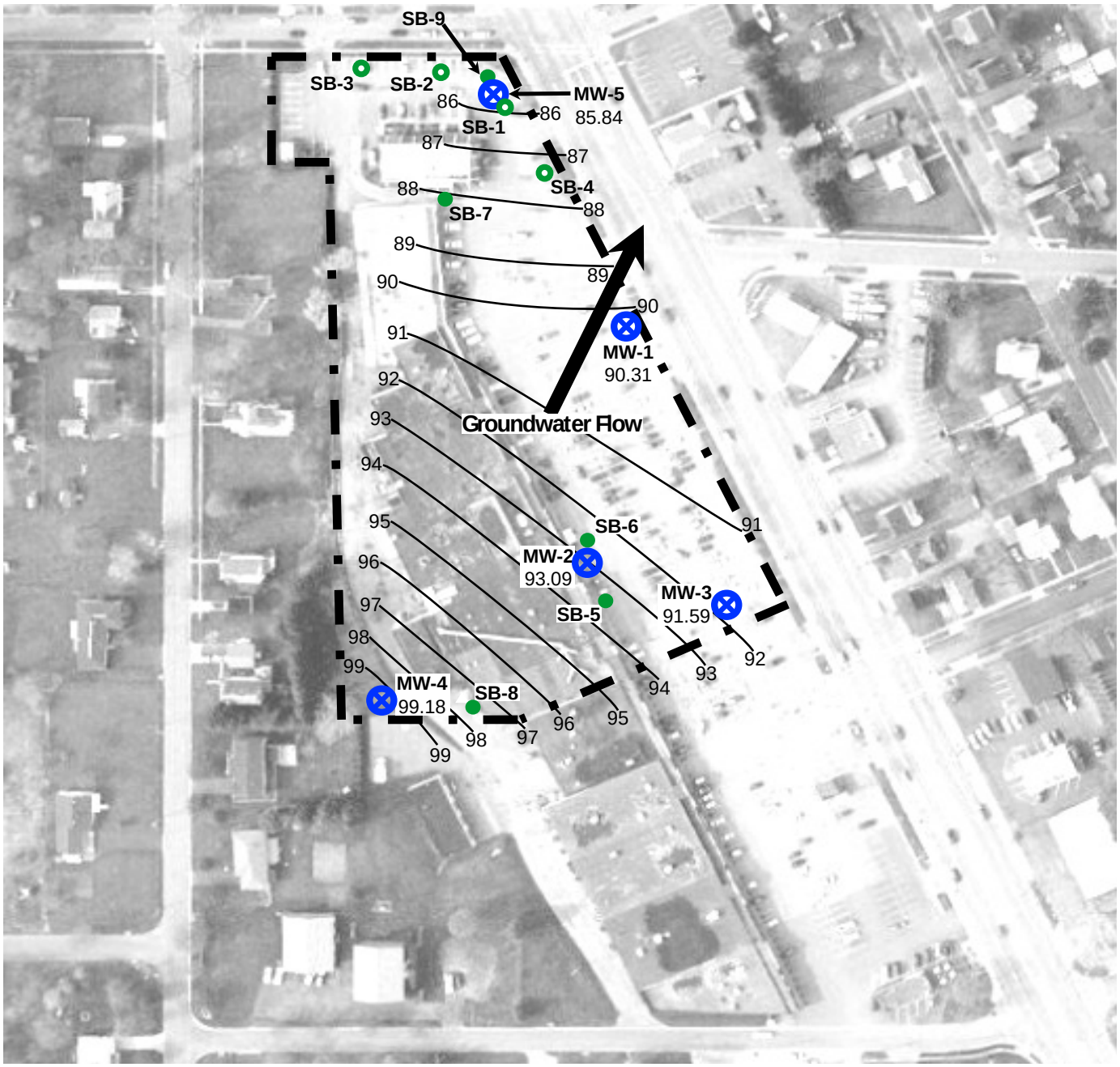
Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

Figure 3
Soil & Groundwater Sampling Locations



SB-1 Boring Location from August 2008 Investigation

SB-5 Boring Location from March 2010 Investigation

MW-1 ← Monitoring Well Number
90.31 ← Groundwater Elevation (feet)

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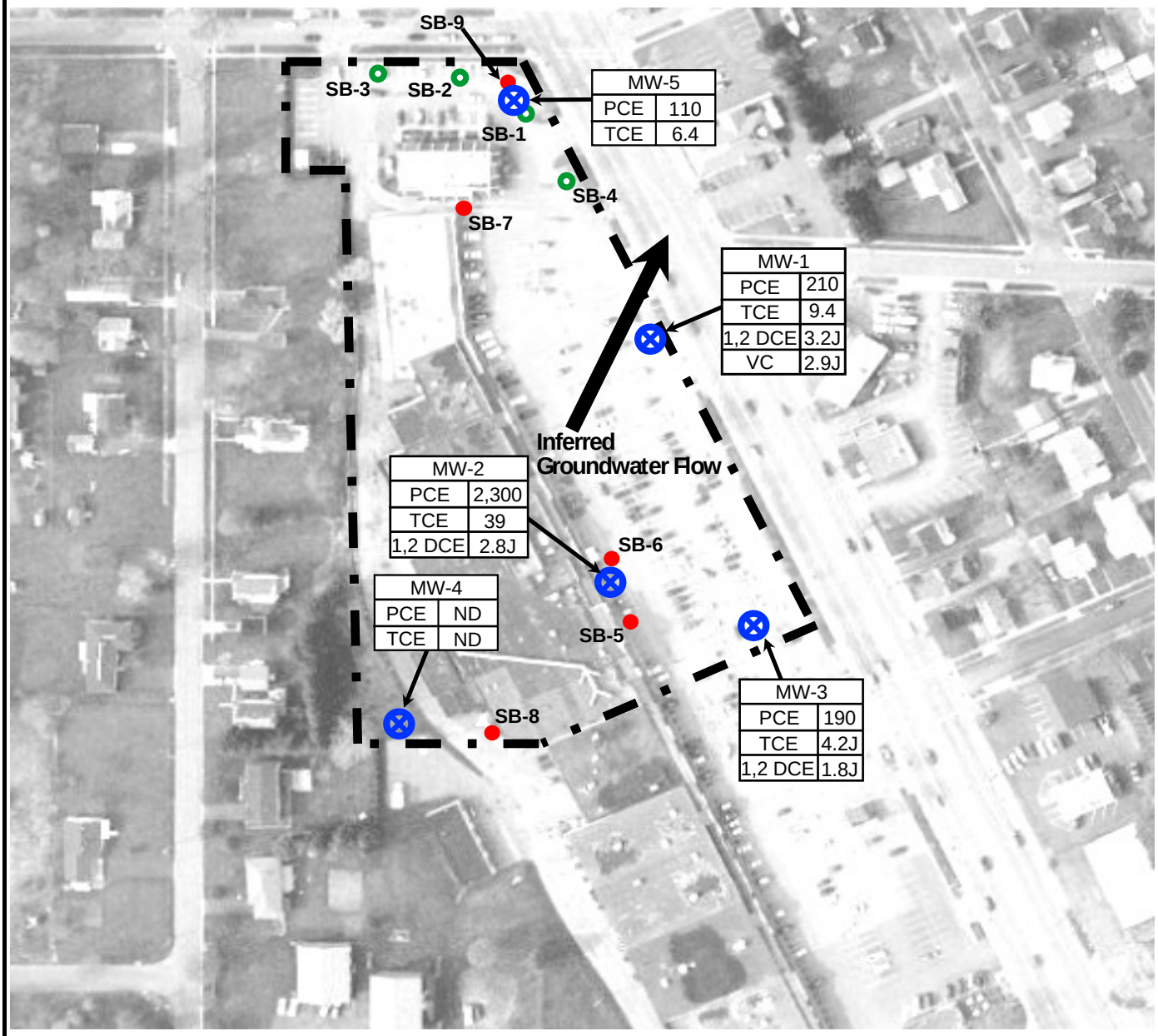
Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

Figure 4
Groundwater Elevation
June 2010



SB-1 Boring Location from August 2008 Investigation

SB-5 Boring Location from March 2010 Investigation

MW-1	← Monitoring Well Number
PCE 210	← Concentration of Tetrachloroethylene in µg/l
TCE 9.4	← Concentration of Trichloroethylene in µg/l
1,2 DCE 1.8J	← Concentration of cis-1,2-Dichloroethylene in µg/l
VC 2.9J	← Concentration of Vinyl Chloride in µg/l

ND = Not Detected
J = Estimated

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155 Tri-County Pky, Ste 250, Cincinnati, Ohio 45246

Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

Figure 5
VOCs in Groundwater
June 2010

ATTACHMENT A

Soil Boring Logs

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 1200135.002	PROJECT NAME: SOUTHSIDE PLAZA	Page 1 of 1
BORING NUMBER: MW1	COORDINATES:	
ELEVATION:	GWL: Depth: Date/Time:	Date Started: 05/25/10
ENGINEER/GEOLOGIST: STEVE GINGRICH	Depth: Date/Time:	Date Completed: 05/25/10
DRILLING METHODS:	DRILL STEM DIAMETER: ID: OD:	

Depth (feet)	Recovery (feet)	Description	PID (ppm)	Comments
0	1.6	fill	0	augered down 6" through blacktop
2	1.6	grey sandy silt	0	
4	1.5	grey sandy silt	0	
6	1.7	moist brown sandy silt	0	
8	1	moist brown sandy silt	0	
10	1	moist brown sandy silt	0	wet
12	1.4	brown silty sand w/gravel	0	dry
14	1.6	brown silty sand w/gravel	0	dry
16	1.6	hard dense sandy silt w/gravel	0	dry
18	1.5	hard dense sandy silt w/gravel	0	dry bottom of boring @ 20 feet
20				

NOTES: Set screen @ 5 to 20 feet

Drilling Contractor: NATURE'S WAY

Drilling Equipment: ACKER

Driller: STEVE GINGRICH

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 1200135.002	PROJECT NAME: SOUTHSIDE PLAZA	Page 1 of 1
BORING NUMBER: MW2	COORDINATES:	
ELEVATION:	GWL: Depth: Date/Time:	Date Started: 05/25/10
ENGINEER/GEOLOGIST: STEVE GINGRICH	Depth: Date/Time:	Date Completed: 05/25/10
DRILLING METHODS:	DRILL STEM DIAMETER: ID: OD:	

Depth (feet)	Recovery (feet)	Description	PID (ppm)	Comments
0	1.2	fill	0	augered down 6" through blacktop
2	1.8	grey sandy silt	0	
4	1.7	grey sandy silt	0	
6	1.2	moist brown sandy silt	0	
8	1	brown sandy silt w/fine grain	0	
10	0.8	brown silty sand w/gravel	0	wet
12	1.3	hard dense sandy silt w/gravel	0	
14	1.2	hard dense sandy silt w/gravel	0	split spoon refusal @ 15.5 ft bottom of boring @ 16 ft
16				

NOTES: Set screen @ 6 to 16 feet

Drilling Contractor: NATURE'S WAY

Drilling Equipment: ACKER

Driller: STEVE GINGRICH

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 1200135.002	PROJECT NAME: SOUTHSIDE PLAZA	Page 1 of 1
BORING NUMBER: MW3	COORDINATES:	
ELEVATION:	GWL: Depth: Date/Time:	Date Started: 05/26/10
ENGINEER/GEOLOGIST: STEVE GINGRICH	Depth: Date/Time:	Date Completed: 05/26/10
DRILLING METHODS:	DRILL STEM DIAMETER: ID: OD:	

Depth (feet)	Recovery (feet)	Description	PID (ppm)	Comments
0	1.3	fill	0	augered down 6" through blacktop
2	1.4	grey sandy silt	0	
4	1.5	grey sandy silt	0	
6	1.7	moist brown sandy silt	0	
8	1.4	wet brown sandy silt	0	wet
10	1.5	wet brown sandy silt	0	wet
12	1.2	hard dense brown silty sand with fine gravel	0	dry after approximately 13.5 ft and incredibly high blow counts
14	1.4	hard dense brown silty sand with gravel	0	bottom of boring @ 16 feet
16				

NOTES: Set screen @ 4 to 14 feet

Drilling Contractor: NATURE'S WAY

Drilling Equipment: ACKER

Driller: STEVE GINGRICH

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 1200135.002	PROJECT NAME: SOUTHSIDE PLAZA	Page 1 of 1
BORING NUMBER: MW4	COORDINATES:	
ELEVATION:	GWL: Depth: Date/Time:	Date Started: 05/26/10
ENGINEER/GEOLOGIST: STEVE GINGRICH	Depth: Date/Time:	Date Completed: 05/26/10
DRILLING METHODS:	DRILL STEM DIAMETER: ID: OD:	

Depth (feet)	Recovery (feet)	Description	PID (ppm)	Comments
0	1.4	8" top soil followed by brown sandy silt	0	
2	1.6	brown sandy silt	0	
4	1.6	moist brown sandy silt with fine gravel	0	
6	1	moist brown sandy silt with fine gravel	0	
8	1.1	wet brown silty sand with fine gravel	0	
10	0.6	wet brown silty sand with gravel	0	wet; spoon refusal @ approx. 11 feet end of boring @ 11.5 feet
12				

NOTES: Set screen @ 3.5 to 11.5 feet

Drilling Contractor: NATURE'S WAY

Drilling Equipment: ACKER

Driller: STEVE GINGRICH

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 1200135.002	PROJECT NAME: SOUTHSIDE PLAZA	Page 1 of 1
BORING NUMBER: MW5	COORDINATES:	
ELEVATION:	GWL: Depth: Date/Time:	Date Started: 05/26/10
ENGINEER/GEOLOGIST: STEVE GINGRICH	Depth: Date/Time:	Date Completed: 05/26/10
DRILLING METHODS:	DRILL STEM DIAMETER: ID: OD:	

Depth (feet)	Recovery (feet)	Description	PID (ppm)	Comments
0	1.2	fill	0	augered down 6" through blacktop
2	1.3	fill	0	
4	1.4	brown sandy silt with fine gravel	0	
6	1.6	moist brown sandy silt with fine gravel	0	wet
8	1.7	brown silty sand with gravel	0	dry
10	2	moist brown silty sand with gravel	0	moist
12	1.7	wet brown silty sand with gravel	0	wet
14	1.5	wet brown silty sand with gravel to wet brown sandy silt with fine gravel	0	
16	1.4	greyish brown sandy silt with gravel	0	
18	1	greyish brown sandy silt with gravel	0	end of boring @ 20 feet
20				

NOTES: Set screen @ 5 to 20 feet

Drilling Contractor: NATURE'S WAY

Drilling Equipment: ACKER

Driller: STEVE GINGRICH

ATTACHMENT B

Well Completion Logs and Survey

ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527

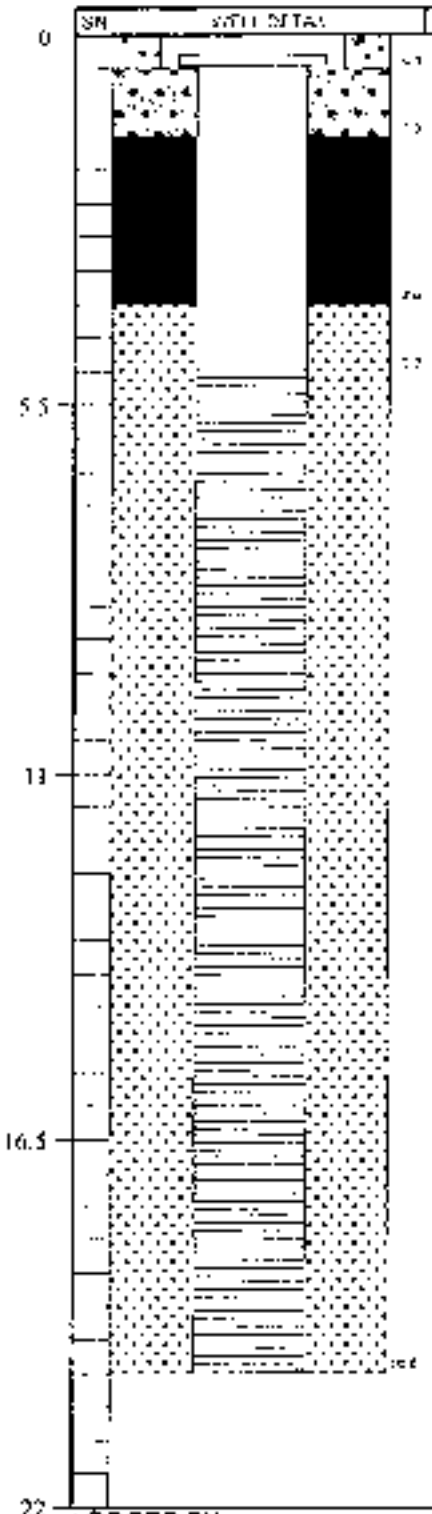
SYRACUSE
(315) 668-1031

WELL COMPLETION REPORT

DATE: 5/25/2010 HOLE NUMBER: MW 1 ELEVATION 98.52

PROJECT: Monitoring Well Installation at the Southside Plaza Site
704 to 744 Foote Avenue, Jamestown, New York

CLIENT: Apex Companies, LLC



LOGGED BY: PAGE 1 of 1

ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527

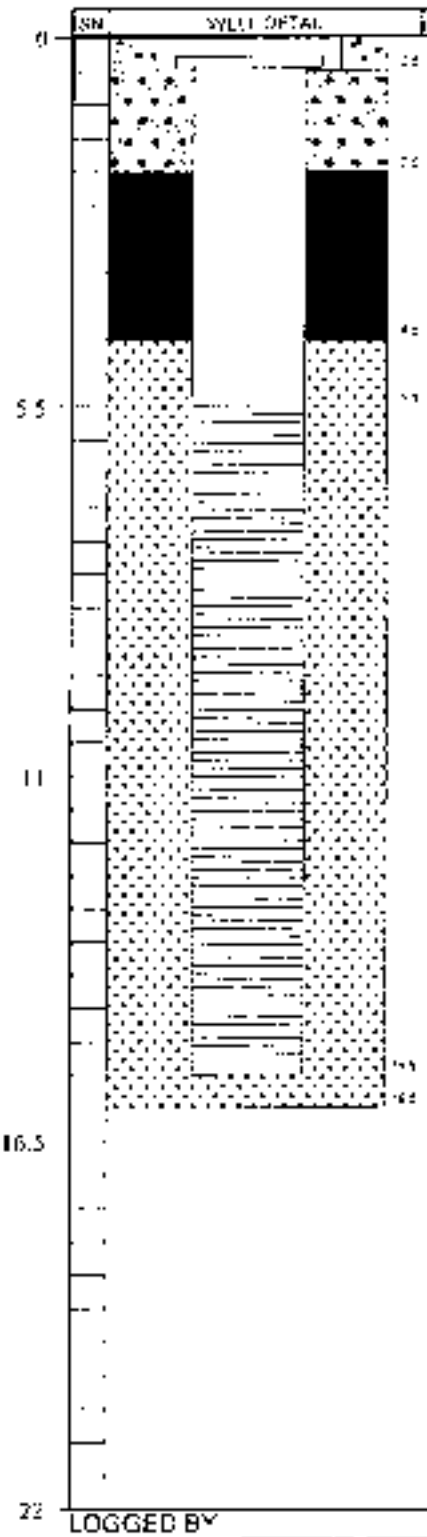
SYRACUSE
(315) 668-1031

WELL COMPLETION REPORT

DATE: 5/25/2019 HOLE NUMBER MW 2 ELEVATION 99.14

PROJECT: Monitoring Well Installation at the Southside Plaza Site
704 to 744 Foote Avenue, Jamestown, New York

CLIENT: Apex Companies, LLC



8" Diameter Road Box
Concrete

Bentonite Seal

2" PVC Riser Pipe

2" 10 Slot PVC Screen

#2 Size Sand

Well Installation Completed at 16.0 feet below ground surface

LOGGED BY _____ PAGE 1 of 1

ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527

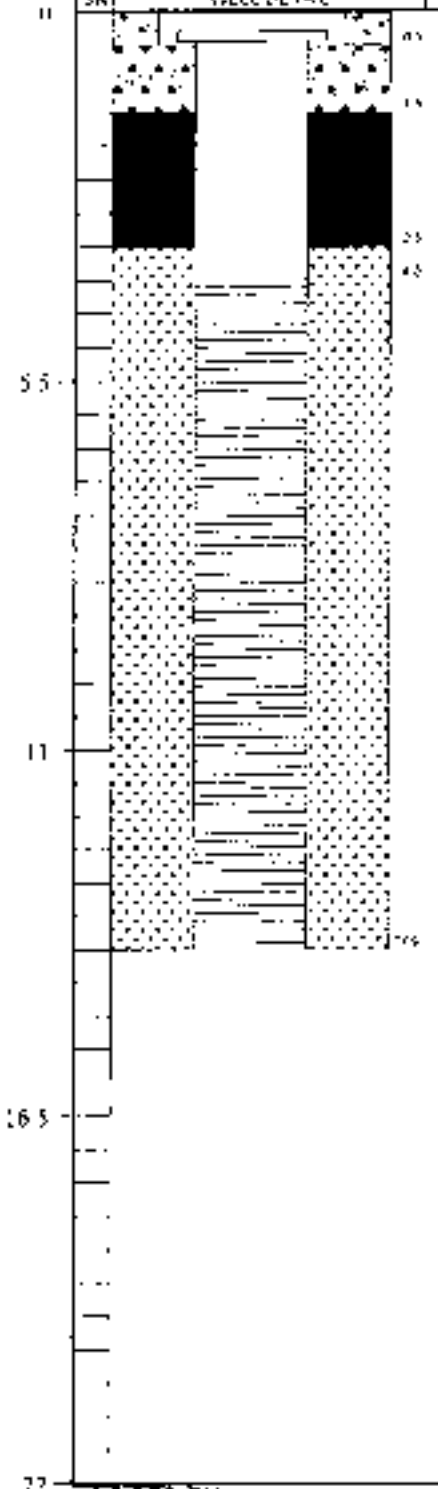
SYRACUSE
(315) 668-1031

WELL COMPLETION REPORT

DATE: 5/26/2010 HOLE NUMBER: MW 3 ELEVATION 97.44

PROJECT: Monitoring Well Installation at the Southside Plaza Site
704 to 744 Foote Avenue Jamestown, New York

CLIENT: Apex Companies, LLC



8" Diameter Road Box

Concrete

Bentonite Seal

2" PVC Riser Pipe

2" 10 Slot PVC Screen

#2 Size Sand

Well Installation Completed at 14.0 feet below ground surface

LOGGED BY _____ PAGE 1 of 1

ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527

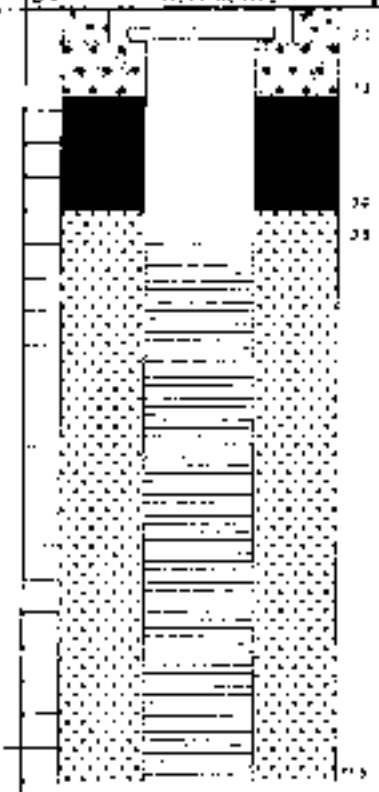
SYRACUSE
(315) 668-1031

WELL COMPLETION REPORT

DATE: 5/25/2015 HOLE NUMBER: MW 4 ELEVATION 1005.72

PROJECT: Monitoring Well Installation at the Southside Plaza Site
704 to 744 Foote Avenue, Jamestown, New York

CLIENT: Apex Companies, LLC



REMARKS

8" Diameter Road Box

Concrete

Bentonite Seal

2" PVC Riser Pipe

2" 10 Slot PVC Screen

#2 Size Sand

Well Installation Completed at 11.5 feet below ground surface

LOGGED BY _____ PAGE 1 of 1

ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-8527

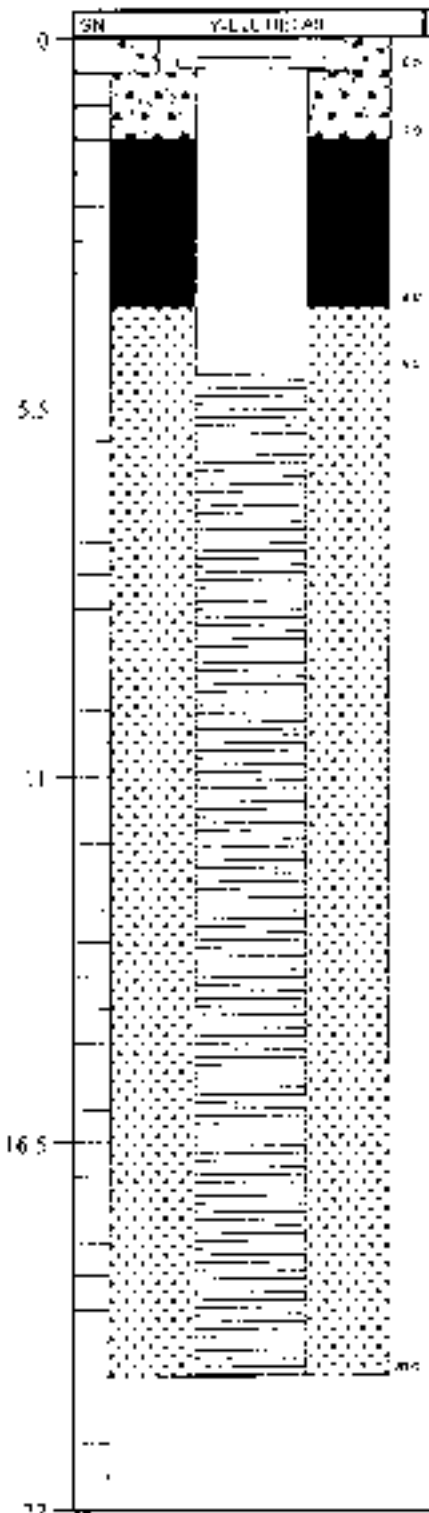
SYRACUSE
(315) 668-1031

WELL COMPLETION REPORT

DATE: 5/26/2015 HOLE NUMBER MW 5 ELEVATION 95.99

PROJECT: Monitoring Well Installation at the Southside Plaza Site
704 to 744 Foote Avenue, Jamestown, New York

CLIENT: Apex Companies, LLC



8" Diameter Road Box

Concrete

Bentonite Seal

2" PVC Riser Pipe

#2 Size Sand

2" 10 Slot PVC Screen

Well Installation Completed at 20.0 feet Below Ground Surface

LOGGED BY: PAGE 1 of 1

ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527

SYRACUSE
(315) 668-1031

Southside Plaza Monitoring Well Elevations
Foote Avenue - Jamestown, NY
5/27/2010

Set-Up A

Station	(+)	(-)	Elevation
BM#1			100.00
HI	12.36		112.36
MW4		6.64	105.72
BM#A		12.36	100.00

Description: BM#1 was "x" marked on end of sidewalk @ NW corner of bldg (outside UPS store near rear entrance).

Set-Up B

Station	(+)	(-)	Elevation
BM#1			100.00
HI	2.75		102.75
MW5		6.76	95.99
MW1		4.23	98.52
HI		2.75	100.00

Description: Same benchmark as Set-Up A but new instrument setup.

Set-Up C

Station	(+)	(-)	Elevation
BM#2			92.52
HI	5.33		103.85
MW2		4.71	99.14
MW3		6.41	97.44
HI		5.33	98.52

Description: MW#1 was used as BM#2.

Summary of Elevations

MW#	Elevation
MW1	98.52
MW2	99.14
MW3	97.44
MW4	105.72
MW5	95.99

ATTACHMENT C

Groundwater Sampling Purge Logs

MONITORING WELL PURGE AND SAMPLE LOG

Project Name: SOUTHSIDE PLAZA
Project Number: 1200135.002
Weather: CLOUDY/65°F
Purging Equipment: BAILER

Site Location: 704-744 FOOTE AVE., JAMESTOWN, NY
Well ID: MW-5
Date: 06/01/10

WELL CHARACTERISTICS

Casing Diameter (inches): 2"
Screen Interval (ft. BTOC): 5-20'
Well Depth (ft. BTOC): 20

Purging/Sampling Crew: T. SWANSON
Water Quality Instrument: QUATTRO

Initial (pre-purging) DTW/time (ft. BTOC): 10.15' (9.85' x 0.1632 = 1.609 gal)

Volume of water column (all measurements in feet, resulting volume in gallons) = $\pi r^2 \times H \times 7.48$ gal/ft.^{3}

GROUNDWATER QUALITY PARAMETER MEASUREMENTS

Time	Cumulative Volume Purged (Gallons)	Temp. (degree C) ± 10%	Specific Conductance (uS/cm) ± 10%	pH (su) ± 10%	Comments
1200 HRS	6.0	11.7	1151	6.52	MINIMAL SILT CLEARING
1205 HRS	6.5	11.5	1152	7.01	"
1210 HRS	7.0	11.5	1156	7.05	"
1215 HRS	7.5	11.5	1158	7.09	"

Sample Collection Information

Date: 06/01/10
Time: 1225 HRS
Sample Number: 060110MW5
Sampler (Name): T. SWANSON

Sample Bottles: 3x40ml vials
Preservation: HCl
Sampling Method: BAILER
Analyses: CL VOCs

MONITORING WELL PURGE AND SAMPLE LOG

Project Name: SUNOCO PLANT
Project Number: 12.90135.002
Weather: Sunny / 72° F
Purging Equipment: BAILER

Site Location: 704-744 FERRY AVE, TRAFFORD, PA
Well ID: MW-4
Date: 06/01/10

WELL CHARACTERISTICS

Casing diameter (inches): 2"
Screen Interval (ft. BTOC): 3.5 - 11.5'
Well Depth (ft. BTOC): 11.5'

Purging/sampling crew: T. Swanson
Water Quality Instrument: OAKTON

Initial (pre-purging) DTW/ms (ft. BTOC): 6.54' (4.96' x 0.1632 = 0.81 gal)

Volume of water column (all measurements in feet, resulting volume in gallons) = πr^2 x H x 7.48 gal/ft.^{3}

GROUNDWATER QUALITY PARAMETER MEASUREMENTS

Time	Cumulative Volume Purged (Gallons)	Temp. (degree C) ± 10%	Specific Conductance (µS/cm) ± 10%	pH (SU) ± 10%	Comments
1305	5.5	9.9	355	6.73	NO NOTICEABLE CLEARING
1310	6.0	9.9	353	6.78	"
1315	6.5	10.1	354	6.58	"
1320	7.0	9.9	356	6.60	VERY NOTICEABLE CLEARING

Sample Collection Information

Date: 06/01/10
Time: 1325 HRS
Sample Number: 060110MW4
Sampler (Name): T. Swanson

Sample Bottles: 2 X 40 ml VIALS
Preservation: HCl
Sampling Method: BAILER
Analyses: CL VOCs

MONITORING WELL PURGE AND SAMPLE LOG

Project Name	SOUTHWEST PLAZA	Site Location	744-744 FOOTE AVE, JAMESTOWN NY
Project Number	1206136.0003	Well ID	MW13
Weather	SUNNY / 77°F	Date	06/01/10
Purging Equipment	BAILER		

WELL CHARACTERISTICS

Casing Diameter (inches)	2"	Well Depth (ft BTOC)	16'
Screen Interval (ft BTOC)	4 - 14'		

Purging/sampling crew: T. SWANSON Water Quality Instrument: OAKTON

Initial (pre-purging) DTW/Time (ft BTOC): 5.85' (10.15' x 0.1632 = 1.66 gal)

Volume of water column (all measurements in feet, resulting volume in gallons) = $\pi r^2 \times H \times 7.48$ gal/ft.^{3}

GROUNDWATER QUALITY PARAMETER MEASUREMENTS

Time	Cumulative Volume Purged (Gallons)	Temp (degree C) ± 10%	Specific Conductance (µS/cm) ± 10%	pH (su) ± 10%	Comments
1425 HRS	6.5	12.6	1296	6.90	NO WATER/BAILER CLEARING
1430 HRS	7.0	12.2	1305	7.12	4
1435 HRS	7.5	12.2	1307	7.13	WATER CLEARING OF SILT
1440 HRS	8.0	12.3	1304	7.17	1

Sample Collection Information

Date	06/01/10	Sample Bottles	2 x 40 ml Vials + 2 x 40 ml Vials
Time	1450 HRS	Preservation	HCl
Sample Number	060110MW13 + 06/01/10	Sampling Method	BAILER
Sampler (Name)	T. SWANSON 060110MW13D	Analyses	CL VOCs

MONITORING WELL PURGE AND SAMPLE LOG

Project Name: [illegible] PLAZA
Project Number: 120335.003
Weather: SUNNY 74°
Purging Equipment: BAILER

Site Location: 704-744 FOOTHILL BLVD [illegible]
Well ID: MW2
Date: 06/01/10

WELL CHARACTERISTICS

Casing diameter (inches): 2"
Screen Interval (ft. BTOC): 5-15'
Well Depth (ft. BTOC): 16'

Purging/sampling crew: T. SWANSON
Water Quality Instrument: OAKTON

Initial (pre-purging) DTW/time (ft BTOC): 6.05' (9.95' x 0.163 = 1.62 gals)

Volume of water column (all measurements in feet, resulting volume in gallons) = $\pi r^2 \times H \times 7.48$ gal/ft.^{3}

GROUNDWATER QUALITY PARAMETER MEASUREMENTS

Time	Cumulative Volume Purged (Gallons)	Temp. (degree C) ± 10%	Specific Conductance (uS/cm) ± 10%	pH (su) ± 10%	Comments
1355 HRS	6.5	12.5	676	7.34	NO WELL CRASHING CLEAR WATER
1600 HRS	7.0	13.6	680	7.39	"
1605 HRS	7.5	12.6	679	7.49	"
1610 HRS	8.0	12.6	682	7.43	"

Sample Collection Information

Date: 06/01/10
Time: 1620 HRS
Sample Number: GW0110 MW2
Sampler (Name): T. SWANSON

Sample Bottles: 2x 40 ml VIALS
Preservation: HCL
Sampling Method: BAILER
Analyses: GL HCL

MONITORING WELL PURGE AND SAMPLE LOG

Project Name:	Sunoco Pkg A	Site Location:	704-744 Route 440, Jamestown NY
Project Number:	1200135.002	Well ID:	MW1
Weather:	Sunny / 79°	Date:	06/01/10
Purging Equipment:	BAILER		

WELL CHARACTERISTICS

Casing diameter (inches):	2"	Well Depth (ft. BTOC):	20
Screen interval (ft. BTOC):	5-20		

Purging/sampling crew: T. SUNNSON Water Quality Instrument: OAKTON

Initial (pre-purging) DTW/time (ft. BTOC): 8.21' (11.79' x 0.1632 = 1.92 gals)

Volume of water column (all measurements in feet; resulting volume in gallons) = $\pi r^2 \times H \times 7.48$ gal/ft^3

GROUNDWATER QUALITY PARAMETER MEASUREMENTS

Time	Cumulative Volume Purged (Gallons)	Temp. (degree C) ± 10%	Specific Conductance (mS/cm) ± 10%	pH (su) ± 10%	Comments
1510 HRS	6.5	13.3	1473	7.15	NO NOTICEABLE CLEARING
1515 HRS	7.0	13.0	1506	7.10	"
1520 HRS	7.5	12.2	1501	7.21	VERY NOTICEABLE CLEARING
1525 HRS	8.0	12.2	1498	7.18	"

Sample Collection Information

Date:	06/01/10	Sample Bottles:	2x40 ml VIAL
Time:	1530 HRS	Preservation:	HCl
Sample Number:	060110MW1	Sampling Method:	BAILER
Sampler (Name):	T. Sunnson	Analyses:	CL VOCs

ATTACHMENT D

Laboratory Analytical Report for Soils

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Apex Companies
155 Tri County Pkwy, Suite 250
Cincinnati OH, 45246
Attention: Jane Allan

Report Date: 06/04/2010
Client Project ID: 1200135.002
York Project (SDG) No.: 10E0862

Report Date: 06/04/2010
Client Project ID: 1200135.002
York Project (SDG) No.: 10E0862

Apex Companies
155 Tri County Pkwy, Suite 250
Cincinnati OH, 45246
Attention: Jane Allan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 28, 2010 and listed below. The project was identified as your project: **1200135.002**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
10E0862-01	MW1-8-10	Soil	05/25/2010	05/28/2010
10E0862-02	MW2-6-8	Soil	05/25/2010	05/28/2010
10E0862-03	MW3-8-10	Soil	05/26/2010	05/28/2010
10E0862-04	MW4-6-8	Soil	05/26/2010	05/28/2010
10E0862-05	MW5-4-6	Soil	05/26/2010	05/28/2010

General Notes for York Project (SDG) No.: 10E0862

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:  **Date:** 06/04/2010

Robert Q. Bradley
Managing Director

YORK

Sample Information

Client Sample ID: MW1-8-10 **York Sample ID:** 10E0862-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10E0862	1200135.002	Soil	May 25, 2010 3:00 pm	05/28/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.0	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.58	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
67-66-3	Chloroform	ND		ug/kg dry	0.95	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS

Sample Information

Client Sample ID: MW1-8-10 **York Sample ID:** 10E0862-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10E0862	1200135.002	Soil	May 25, 2010 3:00 pm	05/28/2010

Volatile Organics, 8260 Halogenated List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
75-09-2	**Methylene chloride**	**28**	B	ug/kg dry	2.8	24	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:21	SS

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**82.3**		%	0.100	0.100	1	SM 2540G	06/04/2010 14:48	06/04/2010 14:48	AA

Sample Information

Client Sample ID: MW2-6-8 **York Sample ID:** 10E0862-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10E0862	1200135.002	Soil	May 25, 2010 3:00 pm	05/28/2010

Volatile Organics, 8260 Halogenated List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.0	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS

Sample Information

Client Sample ID: MW2-6-8 **York Sample ID:** 10E0862-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10E0862	1200135.002	Soil	May 25, 2010 3:00 pm	05/28/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.58	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
67-66-3	Chloroform	ND		ug/kg dry	0.95	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
75-09-2	**Methylene chloride**	**28**	B	ug/kg dry	2.8	24	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 05:55	SS

Sample Information

Client Sample ID: MW2-6-8 **York Sample ID:** 10E0862-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10E0862	1200135.002	Soil	May 25, 2010 3:00 pm	05/28/2010

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**82.0**		%	0.100	0.100	1	SM 2540G	06/04/2010 14:48	06/04/2010 14:48	AA

Sample Information

Client Sample ID: MW3-8-10 **York Sample ID:** 10E0862-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10E0862	1200135.002	Soil	May 26, 2010 3:00 pm	05/28/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.59	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS

Sample Information

Client Sample ID: MW3-8-10 **York Sample ID:** 10E0862-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10E0862	1200135.002	Soil	May 26, 2010 3:00 pm	05/28/2010

Volatile Organics, 8260 Halogenated List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
75-25-2	Bromoform	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
67-66-3	Chloroform	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
75-09-2	**Methylene chloride**	**28**	B	ug/kg dry	2.8	25	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
127-18-4	**Tetrachloroethylene**	**37**		ug/kg dry	1.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
79-01-6	**Trichloroethylene**	**4.0**	J	ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 06:29	SS

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**80.6**		%	0.100	0.100	1	SM 2540G	06/04/2010 14:48	06/04/2010 14:48	AA

Sample Information

Client Sample ID: MW4-6-8 **York Sample ID:** 10E0862-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10E0862	1200135.002	Soil	May 26, 2010 3:00 pm	05/28/2010

Volatile Organics, 8260 Halogenated List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS

Sample Information

Client Sample ID: MW4-6-8 **York Sample ID:** 10E0862-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10E0862	1200135.002	Soil	May 26, 2010 3:00 pm	05/28/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.93	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.55	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
67-66-3	Chloroform	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS

Sample Information

Client Sample ID: MW4-6-8 **York Sample ID:** 10E0862-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10E0862	1200135.002	Soil	May 26, 2010 3:00 pm	05/28/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
75-09-2	**Methylene chloride**	**26**	B	ug/kg dry	2.7	23	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:02	SS

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**85.9**		%	0.100	0.100	1	SM 2540G	06/04/2010 14:48	06/04/2010 14:48	AA

Sample Information

Client Sample ID: MW5-4-6 **York Sample ID:** 10E0862-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10E0862	1200135.002	Soil	May 26, 2010 3:00 pm	05/28/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.93	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS

Sample Information

Client Sample ID: MW5-4-6 **York Sample ID:** 10E0862-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10E0862	1200135.002	Soil	May 26, 2010 3:00 pm	05/28/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.55	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
67-66-3	Chloroform	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
75-09-2	**Methylene chloride**	**24**	B	ug/kg dry	2.7	23	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	06/02/2010 15:15	06/03/2010 07:36	SS

Sample Information

Client Sample ID: MW5-4-6 **York Sample ID:** 10E0862-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10E0862	1200135.002	Soil	May 26, 2010 3:00 pm	05/28/2010

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**85.7**		%	0.100	0.100	1	SM 2540G	06/04/2010 14:48	06/04/2010 14:48	AA

Notes and Definitions

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

ATTACHMENT E

Laboratory Analytical Report for Groundwater

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Apex Companies
155 Tri County Pkwy, Suite 250
Cincinnati OH, 45246
Attention: Jane Allan

Report Date: 06/09/2010
Client Project ID: 1200135.002
York Project (SDG) No.: 10F0056

Report Date: 06/09/2010
Client Project ID: 1200135.002
York Project (SDG) No.: 10F0056

Apex Companies
155 Tri County Pkwy, Suite 250
Cincinnati OH, 45246
Attention: Jane Allan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 02, 2010 and listed below. The project was identified as your project: **1200135.002**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
10F0056-01	060110MW5	Water	06/01/2010	06/02/2010
10F0056-02	060110MW4	Water	06/01/2010	06/02/2010
10F0056-03	060110MW3	Water	06/01/2010	06/02/2010
10F0056-04	060110MW3D	Water	06/01/2010	06/02/2010
10F0056-05	060110MW1	Water	06/01/2010	06/02/2010
10F0056-06	060110MW2	Water	06/01/2010	06/02/2010

General Notes for York Project (SDG) No.: 10F0056

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:  **Date:** 06/09/2010

Robert Q. Bradley
Managing Director

YORK

Sample Information

Client Sample ID: 060110MW5 **York Sample ID:** 10F0056-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0056	1200135.002	Water	June 1, 2010 3:00 pm	06/02/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS

Sample Information

Client Sample ID: 060110MW5 **York Sample ID:** 10F0056-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0056	1200135.002	Water	June 1, 2010 3:00 pm	06/02/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
75-09-2	**Methylene chloride**	**2.6**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
127-18-4	**Tetrachloroethylene**	**110**		ug/L	0.52	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
79-01-6	**Trichloroethylene**	**6.4**		ug/L	0.57	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 16:38	SS

Sample Information

Client Sample ID: 060110MW4 **York Sample ID:** 10F0056-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0056	1200135.002	Water	June 1, 2010 3:00 pm	06/02/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS

Sample Information

Client Sample ID: 060110MW4 **York Sample ID:** 10F0056-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0056	1200135.002	Water	June 1, 2010 3:00 pm	06/02/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
75-09-2	**Methylene chloride**	**3.0**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 17:23	SS

Sample Information

Client Sample ID: 060110MW3 **York Sample ID:** 10F0056-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0056	1200135.002	Water	June 1, 2010 3:00 pm	06/02/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
156-59-2	**cis-1,2-Dichloroethylene**	**1.8**	J	ug/L	0.96	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS

Sample Information

Client Sample ID: 060110MW3 **York Sample ID:** 10F0056-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0056	1200135.002	Water	June 1, 2010 3:00 pm	06/02/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
75-09-2	**Methylene chloride**	**3.5**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
127-18-4	**Tetrachloroethylene**	**190**		ug/L	1.0	10	2	EPA SW846-8260B	06/04/2010 18:08	06/07/2010 19:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
79-01-6	**Trichloroethylene**	**4.2**	J	ug/L	0.57	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	06/04/2010 18:08	06/04/2010 18:08	SS

Sample Information

Client Sample ID: 060110MW3D **York Sample ID:** 10F0056-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0056	1200135.002	Water	June 1, 2010 3:00 pm	06/02/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS

Sample Information

Client Sample ID: 060110MW3D **York Sample ID:** 10F0056-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0056	1200135.002	Water	June 1, 2010 3:00 pm	06/02/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
156-59-2	**cis-1,2-Dichloroethylene**	**1.8**	J	ug/L	0.96	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
75-09-2	**Methylene chloride**	**4.4**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
127-18-4	**Tetrachloroethylene**	**200**		ug/L	0.52	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
79-01-6	**Trichloroethylene**	**3.7**	J	ug/L	0.57	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 18:52	SS

Sample Information

Client Sample ID: 060110MW1 **York Sample ID:** 10F0056-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0056	1200135.002	Water	June 1, 2010 3:00 pm	06/02/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
156-59-2	**cis-1,2-Dichloroethylene**	**3.2**	J	ug/L	0.96	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS

Sample Information

Client Sample ID: 060110MW1 **York Sample ID:** 10F0056-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0056	1200135.002	Water	June 1, 2010 3:00 pm	06/02/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
75-09-2	**Methylene chloride**	**5.0**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
127-18-4	**Tetrachloroethylene**	**210**		ug/L	0.52	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
79-01-6	**Trichloroethylene**	**9.4**		ug/L	0.57	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS
75-01-4	**Vinyl Chloride**	**2.9**	J	ug/L	0.97	5.0	1	EPA SW846-8260B	06/04/2010 09:25	06/04/2010 19:37	SS

Sample Information

Client Sample ID: 060110MW2 **York Sample ID:** 10F0056-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0056	1200135.002	Water	June 1, 2010 3:00 pm	06/02/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS

Sample Information

Client Sample ID: 060110MW2 **York Sample ID:** 10F0056-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10F0056	1200135.002	Water	June 1, 2010 3:00 pm	06/02/2010

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
156-59-2	**cis-1,2-Dichloroethylene**	**2.8**	J	ug/L	0.96	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
75-09-2	**Methylene chloride**	**4.2**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
127-18-4	**Tetrachloroethylene**	**2300**		ug/L	10	100	20	EPA SW846-8260B	06/04/2010 20:21	06/08/2010 19:27	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
79-01-6	**Trichloroethylene**	**39**		ug/L	0.57	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	06/04/2010 20:21	06/04/2010 20:21	SS

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

FedEx. US Airbill Express

10F0056

8726 3997 1634

Recipient's Copy

1 From

Date 06/01/10

[redacted]

Sender's Name TERRELL Phone EIN 39-2980

Company ALL COMPANIES LLC

Address 1971 TAYLOR COUNTY PARKWAY DR 250

City CINCINNATI State OH ZIP 45246

2 Your Internal Billing Reference

3 To

Recipient's Name Phone 207-225-8371

Company YORK MATERIALS INC

Address 130 KITSEARCH STREET

HOLD Weekday

HOLD Saturday

Address

City LIGHTNING State CT ZIP 06815

4a Express Package Service

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SATURDAY Delivery

- No Signature Required
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Does this shipment contain dangerous goods?

- X No
- Yes
- Dry Ice
- Cargo Aircraft Only

7 Payment Bill to:

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- Recipient
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[redacted]

Total Packages | Total Weight | Total Declared Value

606

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Apex Companies, LLC
"Where Excellence Meets Value"

155 Tri-County Parkway
Suite 250
Cincinnati, Ohio 45246
Telephone: 513-771-3617
Facsimile: 513-771-3723

Ms. Vivian Knight
Phillips Edison & Company
11501 Northlake Drive
Cincinnati, Ohio 45249

October 18, 2010

Re: Additional Research Findings for Southside Plaza
704-744 Foote Avenue, Jamestown, New York

Dear Ms. Knight:

Apex Companies, LLC (Apex) is pleased to submit to Phillips Edison & Company, LTD (PECO) this letter report detailing the findings of our additional research into the location of the former dry cleaner that reportedly operated within the Southside Plaza from approximately 1956 until approximately 1976. As part of our additional research, Apex made inquiries and / or visits with the following offices / organizations:

- Jamestown Department of Assessments
- Jamestown City Clerk
- Jamestown Board of Public Utilities
- Jamestown Department of Public Works
- Jamestown Fire Department
- Fenton History Center
- James Pendergrast Library
- Chautauqua County Chamber of Commerce
- The Post-Journal
- Anderson Cleaners
- Retro Jamestown Historic Photograph Collection

Upon review of the historic tax records at the Jamestown Department of Assessments, Apex was able to determine that with the exception of a gas station that operated at 704 Foote Avenue (current McDonald's location), prior to construction of the Plaza the subject property was limited to single-family and two-family residential dwellings.

During our research at the Fenton History Center Research Library, Apex was able to review several Polk City Directories dating from the 1930s to 2000. Upon detailed review of the Polk City Directories, Apex was able to make several determinations regarding historic dry cleaner operations in the vicinity of the Southside Plaza, which are summarized in the following bullets:

- From approximately 1956 until approximately 1966, Triangle Cleaners operated out of 736 Foote Avenue.

- From approximately 1967 until approximately 1983, Anderson Cleaners operated out of 736 Foote Avenue.

- From approximately 1985 until at least 2000, Anderson Cleaners operated another location at 812 Foote Avenue, which is located near the intersection of Foote Avenue and Brad Street, approximately one block south of the Southside Plaza.

- From approximately 1962 until approximately 1997, Whirley-Wash operated a self-serve Laundromat at 750 Foote Avenue, and beginning in approximately 1988 the operations included the addition of dry cleaning services.

- In 1997, the owner of the Whirley-Wash Laundry & Dry Cleaning Center was Mr. James Perry.

- During the 1990s, the President of Anderson Cleaners was Mr. Michael Lyons.

During our research at the Jamestown Department of Public Works, Apex was able to locate original Sanborn Fire Insurance Maps from the years 1956 and 1981 (see Attachment A), which help to illustrate the exact location of the aforementioned addresses within the Plaza. Based on review of these Sanborn Maps and use of Google Earth's measuring tool, Apex has been able to make the following determinations:

- Following the angle of the store fronts, 736 Foote Avenue is located approximately 370 feet south of the northern most edge of the contiguous Plaza building (see Attachment B).

- Following the angle of the store fronts, 750 Foote Avenue is located approximately 190 feet south of 736 Foote Avenue, or approximately 30 feet south of the property line separating the two Plaza parcels (see Attachment B).

- The address of 736 Foote Avenue coincides closely with the location of monitoring well MW-2.

Based on the findings presented above, the location of the former Anderson cleaner is very close to the location of MW-2, the well with the highest detections of drycleaner compounds in groundwater. However, a second former drycleaner (Whirley cleaner) operated out of the property to the south, approximately 190 feet south of the Anderson Cleaner location. Based on the estimated direction of groundwater flow and distribution of the dry cleaner related compounds in groundwater (Attachment C), additional groundwater sampling to the south, beyond the property line, is recommended to determine with better certainty whether the former Whirley dry cleaner on the upgradient property is the source or a contributor to the groundwater plume.

Apex did perform some very preliminary research regarding the reported owners of the Whirley-Wash Laundry & Dry Cleaner Center and Anderson Cleaners, which is summarized below:

- One James R. Perry is identified as being age 65+ residing on Bassett Street in Jamestown, NY.

- The Anderson Cleaners website's history page identifies Mike and Barb Lyons as owners since 1976, when they purchased the business from Burton Anderson (Barb's father) and Sydney Anderson (Burton's brother).

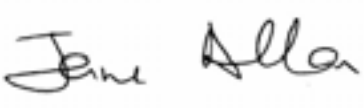
- One Michael K. Lyons is identified as being age 65+ and one Barbara H. Lyons is identified as being age 65+ both residing on Overlook Terrace in Bemus Point, NY.

- Three of the Anderson Cleaners locations 215 Fluvanna Avenue, Jamestown, NY (listed as 217 in the tax assessment rolls), 812 Foote Avenue, Jamestown, NY, and 5 Hunt Road, Ellicott, NY are identified as being owned by High Traverse Properties, Inc.

- The address for High Traverse Properties, Inc. is listed in the tax assessment rolls as 3605 Overlook Terrace in Bemus Point, NY.

On behalf of Apex Companies, LLC, we thank you for this opportunity to support Phillips Edison & Company. Please feel free to contact us at (513) 771-3617 should you have any questions or concerns.

Sincerely,
Apex Companies, LLC.

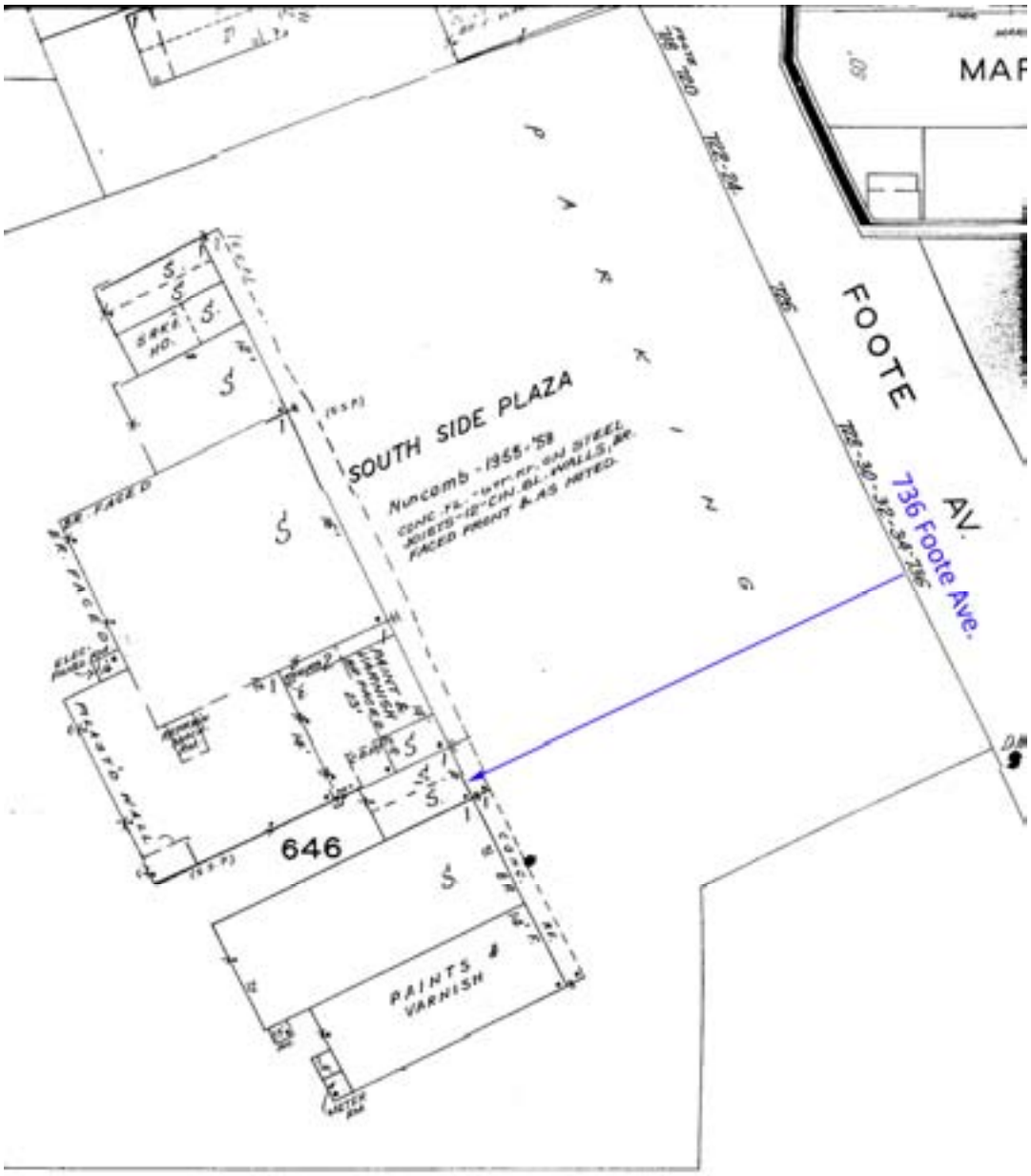


Terrie L. Swanson, CHMM
Sr. Environmental Scientist

Jane Allan, PhD
Project Manager

Attachments

Attachment A



Southside Plaza – Jamestown, NY *Source: Sanborn Fire Insurance Map 1956*

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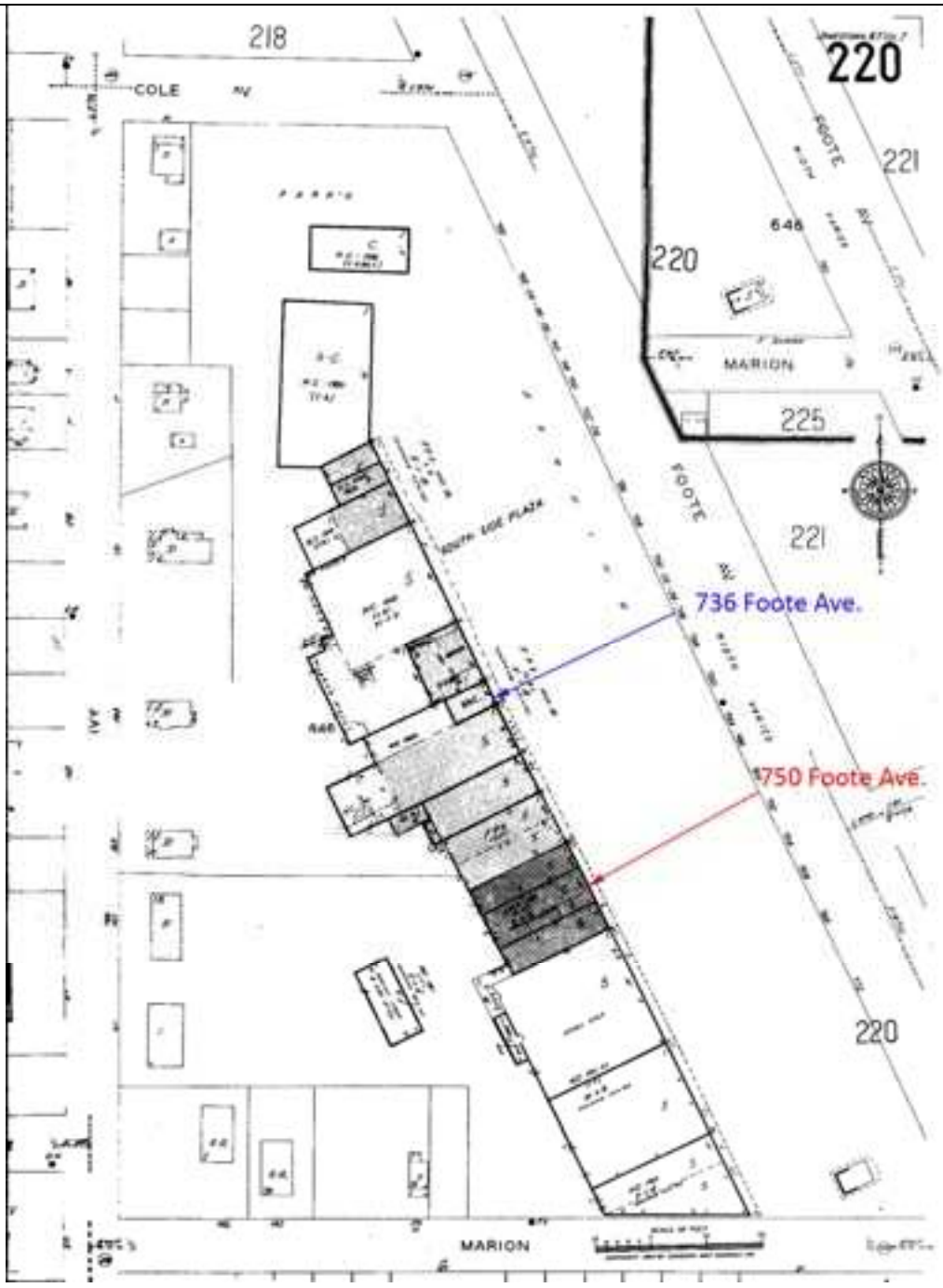
155 Tri-County Parkway
Suite 250
Cincinnati, Ohio 45246
Telephone: 513-771-3617
Facsimile: 513-771-3723



Southside Plaza – Jamestown, NY *Source: Sanborn Fire Insurance Map 1981*

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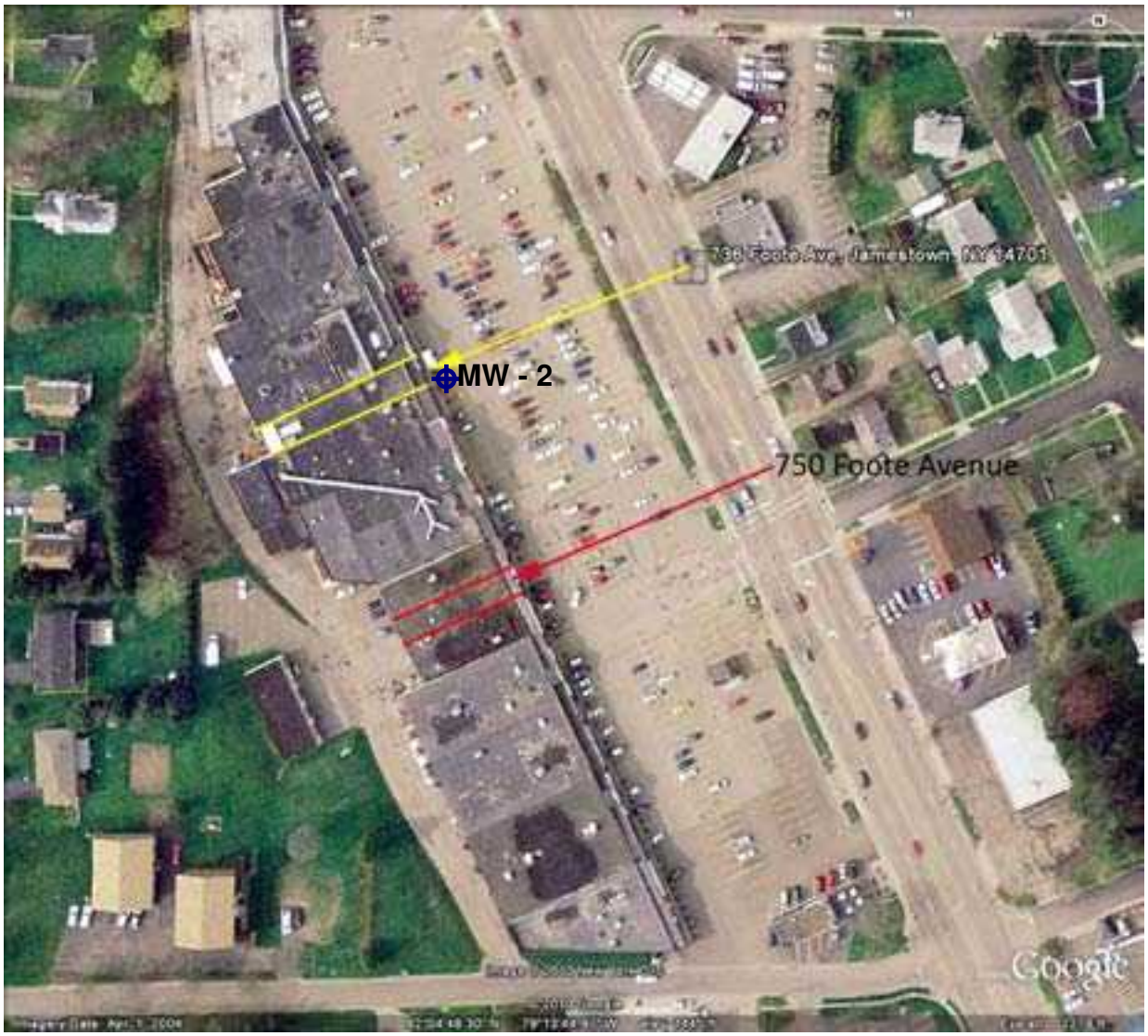
Cincinnati, Ohio 45246
Telephone: 513-771-3617
Facsimile: 513-771-3723

Attachment B



Southside Plaza – Jamestown, NY *Source: Google Earth*

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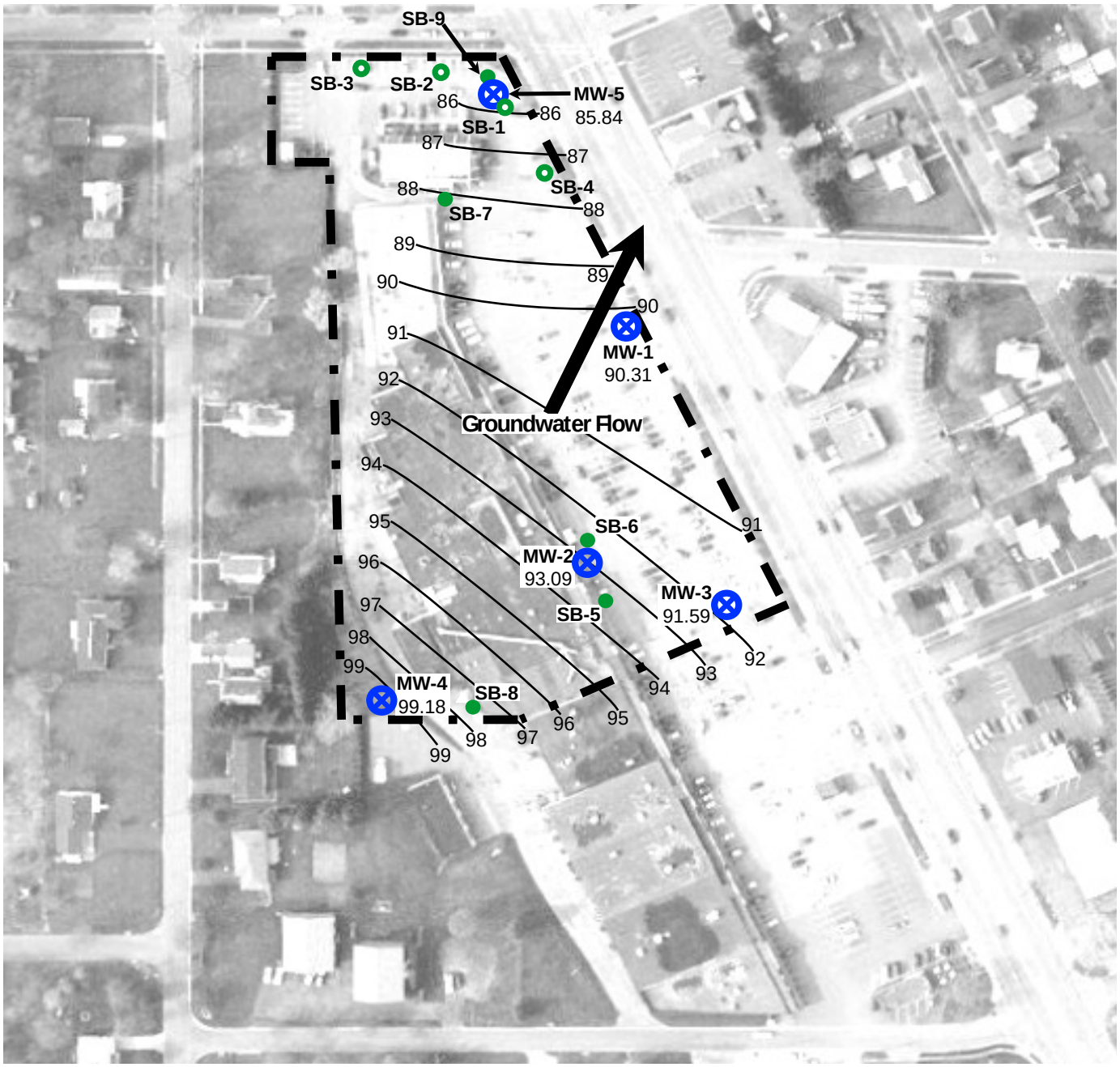
Cincinnati, Ohio 45246
Telephone: 513-771-3617
Facsimile: 513-771-3723

Attachment C



SB-1 Boring Location from August 2008 Investigation

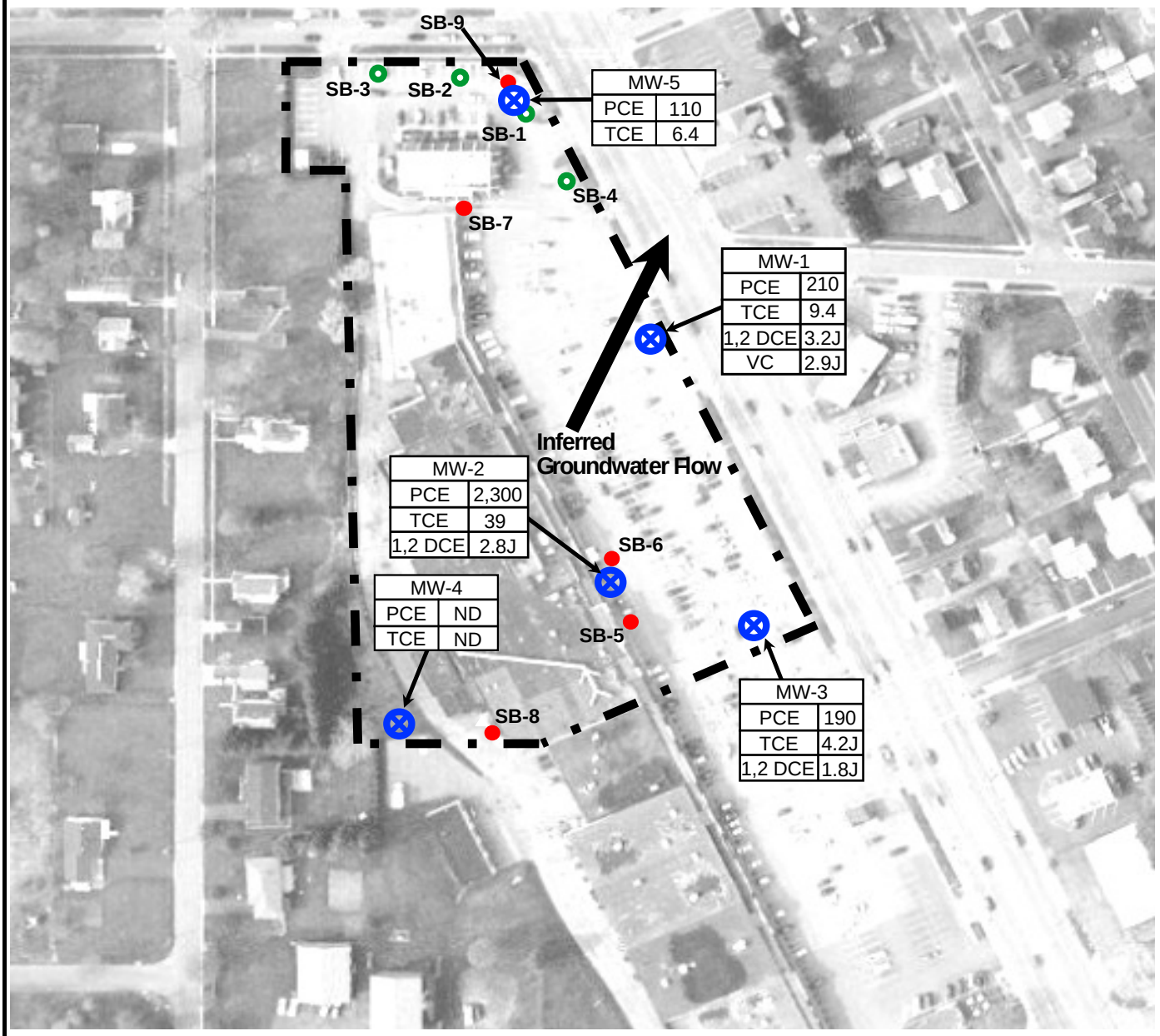
SB-5 Boring Location from March 2010 Investigation

MW-1 ← Monitoring Well Number
90.31 ← Groundwater Elevation (feet)

Apex Companies, LLC
Environmental Consulting & Engineering
155 Tri-County Pky, Ste 250, Cincinnati, Ohio 45246

Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

Figure 4
Groundwater Elevation
June 2010



SB-1 Boring Location from August 2008 Investigation

SB-5 Boring Location from March 2010 Investigation

MW-1	← Monitoring Well Number
PCE 210	← Concentration of Tetrachloroethylene in µg/l
TCE 9.4	← Concentration of Trichloroethylene in µg/l
1,2 DCE 1.8J	← Concentration of cis-1,2-Dichloroethylene in µg/l
VC 2.9J	← Concentration of Vinyl Chloride in µg/l

ND = Not Detected
J = Estimated

Apex Companies, LLC
Environmental Consulting & Engineering
155 Tri-County Pky, Ste 250, Cincinnati, Ohio 45246

Southside Plaza
704 - 744 Foote Avenue
Jamestown, New York

Figure 5
VOCs in Groundwater
June 2010

Attachment B
Soil Boring and Well Completion Logs

ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527

SYRACUSE
(315) 668-1031

HOLE NUMBER: MW 6

DATE: 2/1/2011 ELEVATION: 100.01

PROJECT: Subsurface Investigation at the Southside Plaza
Foote Avenue, Jamestown, Chautaqua County, New York

PREPARED FOR: APEX Companies, LLC

BORING LOCATION: See Map

SN	0/6	6/12	12/18	18/24	PID (ppm)	LITH	DESCRIPTION AND CLASSIFICATION	REC	MONITORING WELL	REMARKS	COMMENTS
1	*				0.0		Blacktop 0.5	1.4'		8" Diameter Road Box	Blacktop to 0.5 foot over apparent clayey soil fill with trace gravel to 2.0 feet over silty lake sediment to 8. 0 feet over silty glacial drift to 14.0 feet over weathered shale rock to end of boring
		34					Moist, gray to olive gray (CLAYEY-SILT) fill with 5 to 15% gravel, some clay, hard 2.0			Concrete 1.5	
			40							Cement / Bentonite Grout 2.0	
				24							
2	7				0.0		Moist, faintly mottled, olive brown to brown (SILT) with trace clay, thinly laminated with wet very thin coarse size lenses noticed below 5.5'	1.5'		Bentonite Seal	
		7									
			9								
				10							
3	3				0.0			1.2'		2" PVC Riser Pipe 4.7	
		3									
			3								
				2						5.7	
4	1				0.0			1.7'		#2 Size Sand	
		1									
			4								
				7							
5	2				0.0		Extremely moist to wet, brown, gravelly (SILT) with 15 to 25% gravel, trace very fine size sand, compact to dense, massive soil structure to weakly thinly bedded 8.0	0.8'			
		4									
			11								
				12							
6	6				0.0			1.7'		2" 10 Slot PVC Screen	
		28									
			18								
				14							
7	7				0.0			1.2'			
		10									
			13								
				15			14.0				
8	6				0.1		Shale rock, reddish brown, soft, can easily be broken between fingers, fissile 15.7				
		22									
			23								
				50/3"			Auger Refusal at 15.7' BGS		15.7	Well Installation Completed at 15.7' BGS	

LOGGED BY: Dale M. Gramza / Senior Geologist PAGE 1 of 1

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527

SYRACUSE
(315) 668-1031

HOLE NUMBER: MW 7

DATE: 2/1/2011 ELEVATION: 99.69

PROJECT: Subsurface Investigation at the Southside Plaza
Foote Avenue, Jamestown, Chautaqua County, New York

PREPARED FOR: APEX Companies, LLC

BORING LOCATION: See Map

SN	0/6	6/12	12/18	18/24	PID (ppm)	LITH	DESCRIPTION AND CLASSIFICATION	REC	MONITORING WELL	REMARKS	COMMENTS
1	*				0.0		Blacktop 0.5	1.0'		8" Diameter Road Box	Blacktop to 0.5 foot over silty soil fill to 1.5 feet over silty lake sediment to 5.0 feet over silty glacial drift to 9.0 feet over weathered shale rock to end of boring
		10					Moist, dark gray to black (SILT) fill with trace very fine size sand, compact 1.5			Concrete	
			6							1.5 / 1.7 Cement / Bentonite Grout	
				5							
2	2				0.0		Extremely moist, faintly mottled, brown to olive brown (SILT) with trace very fine size sand, loose to compact, weakly thinly bedded	1.2'		Bentonite Seal	
		4									
			4								
				5							
3	5				0.0			0.8'		4.1 2" PVC Riser Pipe	
		6					5.0				
			6				Moist, olive brown, gravelly (CLAYEY-SILT) with 15 to 25% gravel, little clay, stiff to very stiff, massive soil structure to weakly thinly bedded			5.2	
				10							
4	4				0.0			0.4'		#2 Size Sand	
		7									
			13								
				17							
5	4				0.0			1.2'			
		12					9.0				
			50/4"				Shale rock, gray, soft, can easily be broken between fingers, fissile, dry				
6	44				0.0			0.8'		2" 10 Slot PVC Screen	
		50/5"									
7	28				0.1			0.8'			
		50/3"									
8	50/2"				N/A			0.2'			
							15.2 Auger Refusal at 15.2' BGS			15.2 Well Installation Completed at 15.2' BGS	

LOGGED BY: Dale M. Gramza / Senior Geologist PAGE 1 of 1

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527

SYRACUSE
(315) 668-1031

Apex Companies, LLC
Southside Plaza
Jamestown, NY
Well Development
2/03/2011

	MW 6	MW 7
Total Depth	15.7	15.2
Water Level	5.41	7.84
Water Column	10.29	7.36
Well Diameter	2"	2"
Well Volume	1.7493	1.2512
Volume Removed	30	30

NOTES	
MW 6	Cloudy brown, silty, reduction of silt after 15 gallons
MW 7	Brownish gray, silty, after 10 gallons; cloudy with less silt, after
	20; gallons no solids cloudy, after 30 gallons; slightly cloudy

Attachment C
Groundwater Sampling Purge Logs

MONITORING WELL PURGE AND SAMPLE LOG

Project Name: SOUTHSIDE PLAZA
Project Number: 1200146.003
Weather:
Purging Equipment: DISPOSABLE BALER

Site Location: 704-744 Foote Ave, Jamestown, NY
Well ID: MW-6
Date: 04/14/11

WELL CHARACTERISTICS

Casing diameter (inches): 2"
Screen Interval (ft. BTOC): 5.7' - 15.7'

Well Depth (ft. BTOC): 15.7

Purging/sampling crew: TERRIE SWANSON

Water Quality Instrument: OAKTON Ph, Cond, Temp

Initial (pre-purging) DTW/time (ft. BTOC): 3.59' (12.11' x 0.1632) = 1.98 gals

Volume of water column (all measurements in feet; resulting volume in gallons) = πr^2 x H x 7.48 gal./ft.^{3}

GROUNDWATER QUALITY PARAMETER MEASUREMENTS

Time	Cumulative Volume Purged (Gallons)	Temp. (degree C) ± 10%	Specific Conductance (uS/cm) ± 10%	pH (su) ± 10%	Comments
1310 HRS	8.5 gals	9.0 °C	2.78 mS	6.98	NO NOTICEABLE CLEARING
1315 HRS	9.0 gals	8.9 °C	2.61 mS	7.02	"
1320 HRS	9.5 gals	8.8 °C	2.68 mS	7.02	"
1325 HRS	10.0 gals	8.9 °C	2.72 mS	6.98	"

Sample Collection Information

Date: 04/14/11
Time: 1335 HRS
Sample Number 041411 MW6
Sampler (Name): TERRIE SWANSON

Sample Bottles: 2 x 40-ml VOA vials
Preservation: HCl
Sampling Method: Disposable baler
Analyses: 8260 Chlorinated VOCs

MONITORING WELL PURGE AND SAMPLE LOG

Project Name: SOUTHSIDE PLAZA
Project Number: 1200146.003
Weather:
Purging Equipment: DISPOSABLE BALER

Site Location: 704-744 Foote Ave, Jamestown, NY
Well ID: MW-7
Date: 04·19·11

WELL CHARACTERISTICS

Casing diameter (inches): 2"
Screen Interval (ft. BTOC): 5.2' - 15.2'

Well Depth (ft. BTOC): 15.2

Purging/sampling crew: TERRIE SWANSON

Water Quality Instrument: OAKTON Ph, Cond, Temp

Initial (pre-purging) DTW/time (ft. BTOC): 5.22' (9.98' x 0.1632) = 1.63 gals

Volume of water column (all measurements in feet; resulting volume in gallons) = πr^2 x H x 7.48 gal./ft.^{3}

GROUNDWATER QUALITY PARAMETER MEASUREMENTS

Time	Cumulative Volume Purged (Gallons)	Temp. (degree C) ± 10%	Specific Conductance (uS/cm) ± 10%	pH (su) ± 10%	Comments
1425 HRS	9.25 gals	8.6°C	2.76 mS	6.64	NO VISIBLE CLEARING
1427 HRS	9.5 gals	8.7°C	2.68 mS	6.65	"
1429 HRS	9.75 gals	8.5°C	2.72 mS	6.73	"
1431 HRS	10.0 gals.	8.5°C	2.70 mS	6.68	VERY MINIMAL CLEARING

Sample Collection Information

Date: 04/19/11
Time: 1435 HRS / 1440 HRS
Sample Number: 041911MW7 / 041911MW7D
Sampler (Name): TERRIE SWANSON

Sample Bottles: 2 x 40-ml VOA vials
Preservation: HCl
Sampling Method: Disposable baler
Analyses: 8260 Chlorinated VOCs

Attachment D
Laboratory Analytical Reports for Soils

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Apex Companies
155 Tri County Pkwy, Suite 250
Cincinnati OH, 45246
Attention: Jane Allan

Report Date: 02/07/2011
Client Project ID: 1200146.003
York Project (SDG) No.: 11B0025

Report Date: 02/07/2011
Client Project ID: 1200146.003
York Project (SDG) No.: 11B0025

Apex Companies
155 Tri County Pkwy, Suite 250
Cincinnati OH, 45246
Attention: Jane Allan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 02, 2011 and listed below. The project was identified as your project: **1200146.003**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
11B0025-01	MW6-14-16	Soil	02/01/2011	02/02/2011
11B0025-02	MW7-12-14	Soil	02/01/2011	02/02/2011
11B0025-03	Equipment Rinsate	Water	02/01/2011	02/02/2011
11B0025-04	Trip Blank	Water	02/01/2011	02/02/2011

General Notes for York Project (SDG) No.: 11B0025

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: Robert Q. Bradley
Robert Q. Bradley
Managing Director

Date: 02/07/2011

YORK

Sample Information

Client Sample ID: MW6-14-16 **York Sample ID:** 11B0025-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0025	1200146.003	Soil	February 1, 2011 11:35 am	02/02/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.89	22	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	22	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	22	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.53	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.84	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.8	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
67-66-3	Chloroform	ND		ug/kg dry	0.86	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.1	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.84	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS

Sample Information

Client Sample ID: MW6-14-16 **York Sample ID:** 11B0025-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0025	1200146.003	Soil	February 1, 2011 11:35 am	02/02/2011

Volatile Organics, 8260 Halogenated List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
75-09-2	**Methylene chloride**	**19**	J, B	ug/kg dry	2.5	22	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/04/2011 17:07	02/04/2011 17:07	SS

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**90.0**		%	0.100	0.100	1	SM 2540G	02/03/2011 15:37	02/03/2011 15:37	CC

Sample Information

Client Sample ID: MW7-12-14 **York Sample ID:** 11B0025-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0025	1200146.003	Soil	February 1, 2011 2:30 pm	02/02/2011

Volatile Organics, 8260 Halogenated List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.87	22	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS

Sample Information

Client Sample ID: MW7-12-14 **York Sample ID:** 11B0025-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0025	1200146.003	Soil	February 1, 2011 2:30 pm	02/02/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.1	22	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.1	22	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.52	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.9	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.83	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.8	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
67-66-3	Chloroform	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.1	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.83	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
75-09-2	**Methylene chloride**	**20**	J, B	ug/kg dry	2.5	22	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
127-18-4	**Tetrachloroethylene**	**110**		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/04/2011 17:55	02/04/2011 17:55	SS

Sample Information

Client Sample ID: MW7-12-14 **York Sample ID:** 11B0025-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0025	1200146.003	Soil	February 1, 2011 2:30 pm	02/02/2011

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**91.5**		%	0.100	0.100	1	SM 2540G	02/03/2011 15:37	02/03/2011 15:37	CC

Sample Information

Client Sample ID: Equipment Rinsate **York Sample ID:** 11B0025-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0025	1200146.003	Water	February 1, 2011 11:55 am	02/02/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS

Sample Information

Client Sample ID: **Equipment Rinsate** **York Sample ID:** **11B0025-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0025	1200146.003	Water	February 1, 2011 11:55 am	02/02/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
75-09-2	**Methylene chloride**	**4.6**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	02/04/2011 17:31	02/04/2011 17:31	SS

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **11B0025-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0025	1200146.003	Water	February 1, 2011 12:00 am	02/02/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **11B0025-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0025	1200146.003	Water	February 1, 2011 12:00 am	02/02/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
75-09-2	**Methylene chloride**	**4.4**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 11B0025-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0025	1200146.003	Water	February 1, 2011 12:00 am	02/02/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	02/04/2011 18:18	02/04/2011 18:18	SS

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 11B0025

YOUR Information	**Report To:**	**Invoice To:**	**YOUR Project ID**	**Turn-Around Time**	**Report Type/Deliverbles**
Company: APEX COMPANIES	Company: APEX COMPANIES	Company: APEX COMPANIES	46 FBA	RUSH - Same Day ☐	Summary Report ☐
Address: 155 TRI-COUNTY PKY.	Address: 155 TRI-COUNTY PKY	Address: 155 TRI-COUNTY PKY.	12001135.003	RUSH - Next Day ☐	Summary w/ QA Summary ☐
CINCINNATI, OH 45256	CINCINNATI, OH 45256	CINCINNATI, OH 45256	**Purchase Order No.**	RUSH - Two Day ☐	CT RCP Package ☐
Phone No. 513-771-3617	Phone No. 513-771-3617	Phone No. 513-771-3617		RUSH - Three Day ☐	NY ASP A Package ☐
Contact Person: JANE ALLAN	Attention: JANE ALLAN	Attention: JANE ALLAN		RUSH - Four Day ☐	NY ASP B Package ☐
E-Mail Address: jallan@apexcos.com	E-Mail Address: jallan@apexcos.com	E-Mail Address: jallan@apexcos.com	Samples from: CT ☐ NY ☒ NJ ☐	**Standard(5-7 Days)** ☒	*Electronic Deliverables:* EDD (Specify Type) ☐ Excel ☐

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

TERRIE L. SWANSON
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot.Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled (Time)	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW6-14-16	2.1.11 (1135H)	S	8260 CHLORINATED VOCS	4 oz CLEAR GLASS
MW7-12-14	2.1.11 (1430H)	S	8260 CHLORINATED VOCS	4 oz CLEAR GLASS
EQUIPMENT RINSATE	2.1.11 (1155H)	WATER RINSE	8260 CHLORINATED VOCS	40ml glass vial (2)

Comments

Preservation Check those Applicable: 4°C ☒ Frozen ☐ HCl ☐ MeOH ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ ZnAc ☐ Ascorbic Acid ☐ Other ☐

Samples Relinquished By — Date/Time: 2.1.11 / 1615HRS

Samples Relinquished By — Date/Time:

Samples Received By — Date/Time:

Samples Received in LAB by — Date/Time: 2/2/11 13:00

Temperature on Receipt 4.5 °C

Attachment E
Laboratory Analytical Reports for Groundwater

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Apex Companies
155 Tri County Pkwy, Suite 250
Cincinnati OH, 45246
Attention: Jane Allan

Report Date: 04/27/2011
Client Project ID: 1200146.003
York Project (SDG) No.: 11D0463

Report Date: 04/27/2011
Client Project ID: 1200146.003
York Project (SDG) No.: 11D0463

Apex Companies
155 Tri County Pkwy, Suite 250
Cincinnati OH, 45246
Attention: Jane Allan

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 15, 2011 and listed below. The project was identified as your project: **1200146.003**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
11D0463-01	041411MW6	Water	04/14/2011	04/15/2011
11D0463-02	041411MW7	Water	04/14/2011	04/15/2011
11D0463-03	041411MW7D	Water	04/14/2011	04/15/2011
11D0463-04	TRIP BLANK	Water	04/14/2011	04/15/2011

General Notes for York Project (SDG) No.: 11D0463

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:  **Date:** 04/27/2011

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

Sample Information

Client Sample ID: 041411MW6 **York Sample ID:** 11D0463-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0463	1200146.003	Water	April 14, 2011 3:00 pm	04/15/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
156-59-2	**cis-1,2-Dichloroethylene**	**63**		ug/L	0.96	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS

Sample Information

Client Sample ID: 041411MW6 **York Sample ID:** 11D0463-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0463	1200146.003	Water	April 14, 2011 3:00 pm	04/15/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
75-09-2	**Methylene chloride**	**5.3**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
127-18-4	**Tetrachloroethylene**	**1200**		ug/L	0.52	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
156-60-5	**trans-1,2-Dichloroethylene**	**3.6**	J	ug/L	0.65	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
79-01-6	**Trichloroethylene**	**28**		ug/L	0.57	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS
75-01-4	**Vinyl Chloride**	**2.8**	J	ug/L	0.97	5.0	1	EPA SW846-8260B	04/21/2011 16:40	04/21/2011 16:40	SS

Sample Information

Client Sample ID: 041411MW7 **York Sample ID:** 11D0463-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0463	1200146.003	Water	April 14, 2011 3:00 pm	04/15/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS

Sample Information

Client Sample ID: **041411MW7** **York Sample ID:** **11D0463-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0463	1200146.003	Water	April 14, 2011 3:00 pm	04/15/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
75-09-2	**Methylene chloride**	**4.7**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
127-18-4	**Tetrachloroethylene**	**1.0**	J	ug/L	0.52	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	04/21/2011 17:25	04/21/2011 17:25	SS

Sample Information

Client Sample ID: 041411MW7D **York Sample ID:** 11D0463-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0463	1200146.003	Water	April 14, 2011 3:00 pm	04/15/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS

Sample Information

Client Sample ID: 041411MW7D **York Sample ID:** 11D0463-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0463	1200146.003	Water	April 14, 2011 3:00 pm	04/15/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
75-09-2	**Methylene chloride**	**4.9**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	04/21/2011 18:12	04/21/2011 18:12	SS

Sample Information

Client Sample ID: TRIP BLANK **York Sample ID:** 11D0463-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0463	1200146.003	Water	April 14, 2011 3:00 pm	04/15/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS

Sample Information

Client Sample ID: TRIP BLANK **York Sample ID:** 11D0463-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0463	1200146.003	Water	April 14, 2011 3:00 pm	04/15/2011

Volatile Organics, 8260 Halogenated List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
75-09-2	**Methylene chloride**	**5.1**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	04/21/2011 18:56	04/21/2011 18:56	SS

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 11D0463

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverbies
Company: APEX COMPANIES	Company: APEX COMPANIES	Company: APEX COMPANIES	46.[illegible]	RUSH - Same Day	Summary Report
Address: 155 TRI-COUNTY PKY	Address: 155 TRI-COUNTY PKY	Address: 155 TRI-COUNTY PKY	1200135.003	RUSH - Next Day	Summary w/ QA Summary
CINCINNATI, OH 45246	CINCINNATI, OH 45246	CINCINNATI, OH 45246	Purchase Order No.	RUSH - Two Day	CT RCP Package
Phone No. 513.771.3617	Phone No. 513.771.3617	Phone No. 513.771.3617		RUSH - Three Day	NY ASP A Package
Contact Person: JANE ALLAN	Attention: JANE ALLAN	Attention: JANE ALLAN		RUSH - Four Day	NY ASP B Package
E-Mail Address: jallan@apexcos.com	E-Mail Address: jallan@apexcos.com	E-Mail Address: jallan@apexcos.com	Samples from: CT ___ NY X NJ ___	Standard(5-7 Days) X	Electronic Deliverables: EDD (Specify Type) ___ Excel ___

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

TERRIE L. SWANSON
Name (printed)

Matrix Codes: S - soil; Other - specify(oil, etc.); WW - wastewater; GW - groundwater; DW - drinking water; Air-A - ambient air; Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions: Field Filtered ☐ Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
041411MW6	04/14/11	GW	8260 CHLORINATED VOCs	40 ml glass vial (3)
041411MW7	04/14/11	GW	8260 CHLORINATED VOCs	40 ml glass vial (3)
041411MW7D	04/14/11	GW	8260 CHLORINATED VOCs	40 ml glass vial (2)
TRIP BLANK	FROM LAB	WATER	8260 CHLORINATED VOCs	40 ml glass vial (2)

Comments: VIALS SENT FROM LAB CONTAINED PRESERVATIVE, HOWEVER NO LABELS ON VIALS INDICATING SPECIFIC PRESERVATIVE — ASSUMED TO BE HCL

Preservation Check those Applicable: 4°C X Frozen ___ HCl X MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Samples Relinquished By — Date/Time: 04/14/11 1550 Hrs

Samples Relinquished By — Date/Time:

Samples Received By — Date/Time: 4/15/11 1010

Samples Received in LAB by — Date/Time:

Temperature on Receipt: 3.3 °C

11D0463

FedEx® US Airbill Express

8578 6372 8797

0200 Form ID No.

FedEx Retrieval Copy

1 From

Date 4.14.11 Sender's FedEx Account Number 368381144

Sender's Name TERRIE L. SWANSON Phone 814 397-2980

Company APEX COMPANIES LLC

Address 155 TRI-COUNTY PARKWAY Ste 250 Dept./Floor/Suite/Room

City CINCINNATI State OH ZIP 45246

2 Your Internal Billing Reference 120013846.003

3 To

Recipient's Name Phone 203 325-1371

Company YORK ANALYTICAL LABS, INC.

Recipient's Address 120 RESEARCH DRIVE Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City STRATFORD State CT ZIP 06615

8578 6372 8797

4a Express Package Service — *Packages up to 150 lbs.*

1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

4b Express Freight Service — *Packages over 150 lbs.*

7 [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation: ** To most locations.

5 Packaging

6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

3 [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

1 [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.

31 [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

[X] No 4 [ ] Yes — As per attached Shipper's Declaration. [ ] Yes — Shipper's Declaration not required. 6 [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. [ ]

1 [X] Sender — Acct. No. in Section 1 will be billed. 2 [ ] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Check

Total Packages	Total Weight	Total Charges
/		Credit Card Auth.

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8 *NEW* Residential Delivery Signature Options If you require a signature, check Direct or Indire

[ ] No Signature Required — Package may be left without obtaining a signature for delivery.

10 [ ] Direct Signature — Anyone at recipient's address may sign for delivery. *Fee applies.*

34 [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

520

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DRAFT

INTERIM REMEDIAL MEASURES WORK PLAN

SOUTHSIDE STATION, INC.
704-744 FOOTE AVENUE
JAMESTOWN, NY 14701

Prepared for:

Southside Station, Inc.
11501 Northlake Drive
Cincinnati, Ohio 45249

January 16, 2013

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1.0 INTRODUCTION

This Interim Remedial Measures Work (IRM) outlines the design, installation, and monitoring of a Sub-Slab Depressurization System (SSDS) to be installed at the Southside Station Inc. (hereinafter referred to as the "Subject Property") located at 704-744 Foote Avenue, Jamestown, New York (see Figure 1).

The Subject Property represents the northern portion of a redeveloped strip mall which was occupied by two former drycleaners, one formerly located at 736 Foote Avenue on the Subject Property and the other formerly located at 750 Foote Avenue on the adjoining southern portion of the strip mall identified as Southside Foote Avenue Plaza (SFAP). The current owner of the Subject Property, Southside Station, Inc. (SSI) has volunteered to enter the Subject Property into the Brownfield Cleanup Program (BCP). SSI is seeking a No Further Action Letter for the Subject Property from the New York State Department of Environmental Conservation (NYSDEC) following completion of investigation and subsequent remedial action activities. This IRM Work Plan represents the interim remedial action requirements of the BCP to address potential vapor intrusion, as requested by the NYSDEC.

1.1 Objectives

This IRM Work Plan outlines the design, installation, and monitoring of a SSDS to mitigate the potential intrusion of drycleaning solvent vapors detected in and around the existing onsite building at the Subject Property. Submittal of a formal Remedial Action Plan for the BCP program will take place after full characterization of the Subject Property has been completed.

1.2 Overview of IRM Work Plan Documents

This IRM Work Plan includes a Subject Property description, environmental history, IRM Work Plan objectives, and SSDS design, installation, monitoring, and implementation schedule. Figures included are a Site Location Map (Figure 1), a Subject Property Map (Figure 2), a Historical Drycleaner Location Map (Figure 3), a Vapor Sampling Locations Map (Figure 4), and a Proposed SSDS Configuration Map (Figure 5). Historical vapor analytical results are provided as Table 1. The Health and Safety Plan (HASP) for this IRM Work Plan is provided in Appendix A. A copy of the SSDS Maintenance Checklist is provided in Appendix B.

1.3 Subject Property Description

The Subject Property is addressed as 704-744 Foote Avenue and is adjoined by the SFAP property, addressed as 748-780 Foote Avenue. Both properties make up a contiguous commercial strip mall known as Southside Plaza. The properties are currently divided between the Tops Market tenant on the SSI property to the north and the Salon 1 tenant on the SFAP property to the south (see Figure 2).

Southside Plaza was developed in stages with the original buildings developed from 1955 to 1958 and additions to the development added in the 1960s, 1970s, and 1980s. The Subject Property currently operates as the northern portion of the contiguous retail strip mall with seven commercial tenant spaces including one anchor tenant space (Tops Market), and an outparcel (McDonalds) north of the strip mall.

Based on research of Sanborn Maps, City Directories, and City of Jamestown municipal records, it was determined that from approximately 1956 until 1969, the tenant space located at 736 Foote Avenue was occupied by two drycleaners, Triangle Cleaners and Anderson Cleaners. Triangle Cleaners ceased operations between 1961 and 1966. Anderson Cleaners moved from the 736 tenant space between 1969 and 1979 to the 750 Foote Avenue tenant space occupied by Whirley-Wash Laundromat, located on the SFAP property. Anderson Cleaners operated in the 750 Foote Avenue tenant space in conjunction with Whirley-Wash until 1981, when Anderson Cleaners relocated to 812 Foote Avenue south of Southside Plaza. A Whirley-Wash Dry Cleaners is documented along with Whirley-Wash Laundromat in the 750 Foote Avenue tenant space from 1988 until 1994. The former Triangle and Anderson Cleaners tenant space at 736 Foote Avenue has been redeveloped along with several adjoining tenant spaces into the current anchor tenant space occupied by Tops Market. The historical locations of the 736 and 750 Foote Avenue tenant spaces are shown in Figure 3.

2.0 SUBJECT PROPERTY ENVIRONMENTAL HISTORY

Several environmental assessments have been completed at the Subject Property. Following is a summary of these assessment activities related to investigating the vapor intrusion exposure pathway at the Subject Property. Vapor analytical results for all vapor intrusion assessment samples are provided on Table 1. Sub-slab vapor, soil-gas, and indoor air sampling locations are shown in Figure 4.

2.1 Limited Site Investigation

At the request of SSI, Apex performed a Limited Site Investigation (LSI) at the Subject Property in August 2008. The LSI included the collection of soil-gas and sub-slab vapor samples in the area where the former drycleaner was believed to have been located (at that time, the exact location had not been determined). Sub-slab vapor samples (SS-1 and SS-2) and soil-gas samples (SV-1 and SV-2) were collected during this LSI to evaluate the Subject Property for the potential release of drycleaning chemicals. Results from these sub-slab vapor and soil-gas samples indicate that concentrations of chlorinated solvents, specifically 1,1,1-trichloroethane (1,1,1-TCA), tetrachloroethene (PCE), and trichloroethene (TCE) were detected in the sub-slab vapor and soil-gas samples in the concentration range where the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006, recommends continued monitoring. However, the concentration of PCE from one sample, the soil-gas sample SV-1, fell into the concentration range where the NYSDOH recommends mitigation. The detection of these chlorinated solvents suggested that further assessment was warranted.

2.2 Additional Site Investigation

Apex performed Additional Site Investigation (ASI) activities at the Subject Property in March 2010. This ASI included the collection of additional sub-slab vapor and indoor air samples at the Subject Property. The sub-slab sample location was selected to investigate an area that was rumored to have been the location of the former dry cleaner. Results from the ASI indicate that no VOCs were detected in the indoor air samples (IA-QM1, IA-QM2 and IA-UPS) or from the sub-slab vapor sample (SS-UPS) above laboratory method detection limits (MDLs), with the exception of PCE. PCE was detected in SS-UPS above the MDL, but below the NYSDOH No Further Action (NFA) guidance level. However, in the case of IA-QM1 and IA-UPS, the MDL for 1,1,1-TCA, carbon tetrachloride (CT), PCE, and TCE fell into the concentration range where NYSDOH guidance recommended monitoring.

2.3 Sub-Slab Vapor Assessments

Apex performed a sub-slab vapor assessment in March 2012 to better define the source area of the drycleaning solvents identified in previous investigations. This investigation included collection of sub-slab vapor samples from five sample locations (SS-1 through SS-5) on the Subject Property. Analytical results indicated that drycleaning solvents, including PCE and TCE, were detected at their highest concentrations along the southern property boundary of the Subject Property adjoining the SFAP property, suggesting an offsite source of drycleaning solvents. Levels of PCE, TCE, and cis-1,2-DCE fell into the concentration range

where NYSDOH guidance recommended mitigation.

Based on the analytical results from March 2012, Apex obtained access and performed an additional sub-slab vapor assessment on the SFAP property in July 2012. Analytical results indicated that drycleaning solvents, including PCE and TCE, were detected in the sub-slab vapor samples collected from the SFAP property. The highest sub-slab vapor concentrations were collected from vapor probes installed in the Salon 1 tenant space, addressed as 748 Foote Avenue, located immediately south of the Subject Property. The concentration of PCE detected in one of these offsite sub-slab samples (SS-6) collected from the SFAP property is the highest sub-slab vapor concentration detected in investigations at the two properties, suggesting that the source of drycleaning solvent impact may have originated from the former offsite Anderson Cleaners and/or Whirley-Wash Drycleaners located at 750 Foote Avenue and not from the former onsite drycleaner previously located in the northern portion of the Subject Property.

3.0 SSDS DESIGN, INSTALLATION, AND MONITORING

The SSDS design, installation, and monitoring will comply with the NYSDOH document, "Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006." The design objective of the SSDS is to achieve a negative pressure environment beneath the concrete slab of the Subject Property adjacent to the former location of the Anderson Cleaners and Whirley-Wash Drycleaners to minimize the infiltration of dry cleaning solvent vapors. This will be achieved by designing a SSDS system which creates a vacuum sufficient to pull a minimum of 0.004 water column inches (WCI) within the radius of influence of the system.

3.1 Pre-Installation Communication Test

In order to design an effective SSDS, Apex will perform a communication test at the Subject Property in accordance with NYSDOH Guidance. This test will be performed to evaluate the sub-slab connectivity and to determine the appropriate vacuum which must be applied to the SSDS to ensure that design criteria is achieved. The communication test will conducted by drilling several test holes through the concrete slab of the Subject Property and applying a fixed vacuum to a centrally located hole. Measurements will be collected at test holes using a digital manometer to measure the resulting vacuum.

3.2 SSDS Design and Installation

The SSDS for the Subject Property will consist of three (3) suction points constructed of 3-inch Schedule 40 PVC pipe originating in one cubic-foot sub-slab cavities sealed at the concrete surface, where practical. These sub-slab cavities will be located along the southern boundary of the Tops Market tenant space, where practical, to meet the design objectives of the SSDS. Final locations of the suction points will be contingent upon the interior layout of the tenant space and upon coordination with SSI.

The 3-inch PVC pipes will rise from the suction points to 4-inch Schedule 40 PVC pipe which will be suspended from the upper structural steel roof of the tenant space. The 4-inch PVC pipe will be connected to a rear wall, exterior-mounted in-line fan and exhausted above the roof. In addition, an in-line mounted U-tube oil-filled manometer will be installed in each suction line and connected to a remote gauge at the rear of the building to allow for a visual check of the system's vacuum performance. Urethane sealant will be used at concrete slab joints, cracks, and penetrations in the vicinity of each suction point to prevent "short circuiting" of the SSDS pressure field. The SSDS will be "hard-wired" into the Subject Property's main electrical circuitry so as to avoid accidental shut down of the system by individual tenants. The approximate location of the proposed SSDS is provided as Figure 5. Following completion of SSDS installation, Apex will arrange for preparation of a set of "as-built" drawings for the system.

3.3 Post-Installation Pressure Field Extension Test

Similar to the communication test, following installation, Apex will perform a Pressure Field Extension Test to confirm the operation of the installed SSDS. This test will be performed during SSDS operation by collecting vacuum measurements from the same previously installed test holes used during the communication test. Pressure Field Extension Test data will be evaluated against the minimum vacuum design requirement of 0.004 WCI.

4.0 SSDS MAINTENANCE AND SAMPLING

4.1 Post-Installation Maintenance

The SSDS system is designed to operate with minimal monitoring and maintenance. Routine maintenance on the SSDS will occur approximately 18 months following installation and will occur every 12 months thereafter. Maintenance and evaluation will include the following items:

- Conduct a visual inspection of all system components, including the vent fan, piping, U-tube style manometers, and labeling, to ensure that no components appear damaged or in need of replacement or repair.

- Inspect the concrete floor slab which is influenced by the vacuum of the SSDS to ensure that no cracks or penetrations have been introduced through the slab, thus short circuiting the system.

- Verify that no air intakes have been installed post-installation of the SSDS system within 10 feet of the SSDS exhaust point.

- Interview existing tenant space occupants regarding observations and comments on the operation of the SSDS system.

In addition to the above items, a monthly inspection of the in-line mounted manometer will be performed to ensure proper system operation. A SSDS Maintenance Checklist is provided in Appendix B.

4.2 Post-Installation Sampling

Approximately 30 days following installation of the SSDS, Apex will collect post-installation indoor air samples. Two indoor air samples will be collected from inside the Tops Market adjacent to the southern wall of the subject property. Samples will be collected in accordance with NYSDOH Guidance and will be submitted for laboratory analysis of PCE and its breakdown products. Analytical results will be compared with applicable screening levels.

5.0 SCHEDULE

Installation of the SSDS will take approximately one week and is contingent upon approval of this IRM Work Plan. Installation can begin within four (4) weeks following NYSDCE approval. Assuming approval of this IRM Work Plan by February 1, 2013, Apex presents the following schedule:

- Pre-Installation Communication Test to be performed the week of February 11 through February 15, 2013.

- Installation of the SSDS the week of March 4 through March 8, 2013.

- Post-Installation Pressure Field Extension Test to be performed the week of March 18 through March 22, 2013.

- Post-Mitigation Sampling to be performed the week of April 8 through April 12, 2013 and again the following quarter the week of July 8 through July 12, 2013.

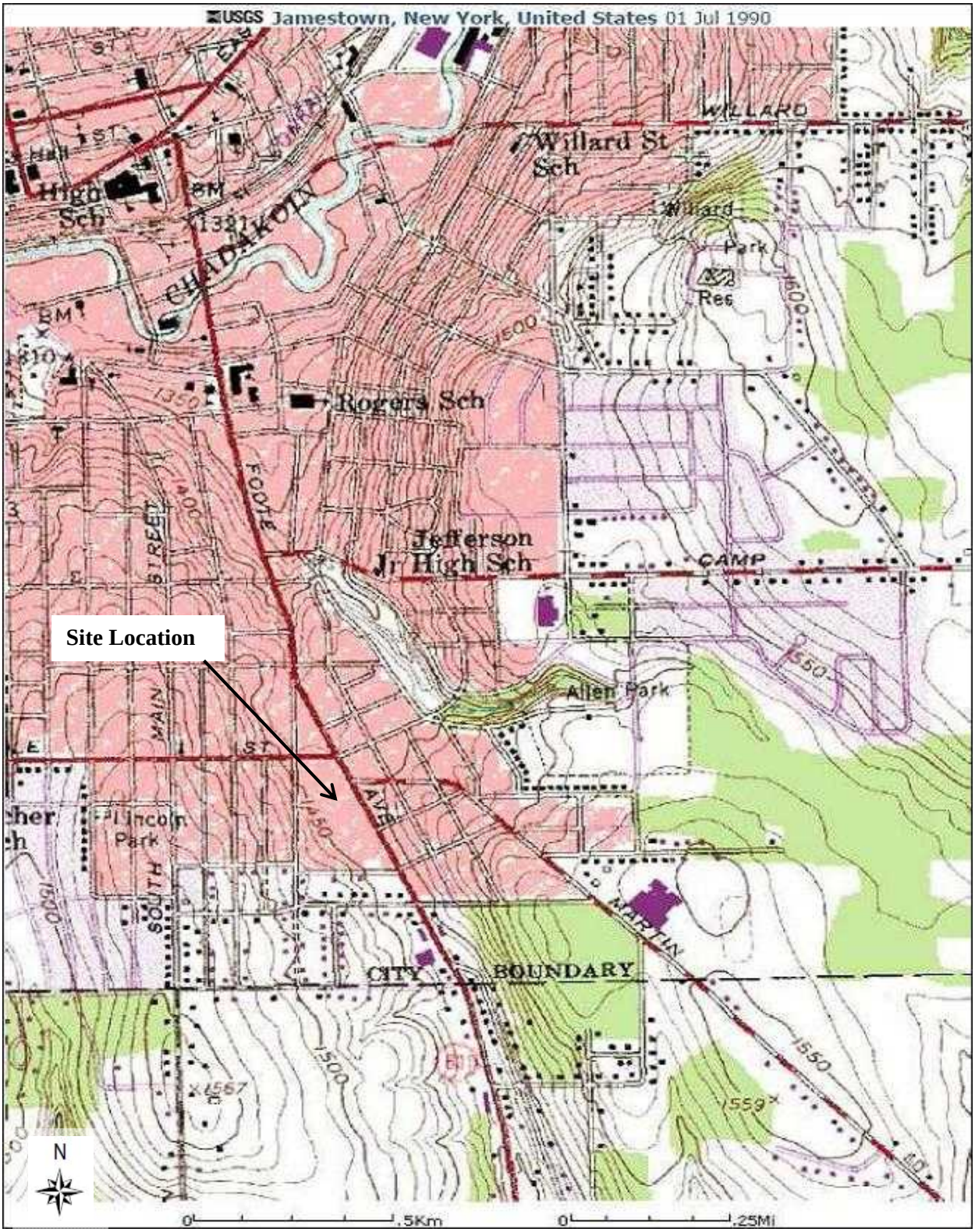
- Post-Mitigation Maintenance to be performed initially 18 months following installation, in September 2014. Annual Maintenance will begin September 2015 and every 12 months following.

6.0 CERTIFICATION

I, Jeff Lower, certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that this Interim Remedial Measures Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical guidance for Site Investigation and Remediation (DER-10).

Mr. Jeff Lower
Project Manager, P.E.

FIGURES



APEX

155 Tri-County Parkway, Suite 250, Cincinnati, Ohio 45246

Southside Station, Inc.
704-744 Foote Avenue
Jamestown, NY 14701

Figure 1: Site Location Map

Legend

= Approximate Property Boundary

N

APEX

155 Tri-County Parkway, Suite 250, Cincinnati, Ohio 45246

Southside Station, Inc.
704-744 Foote Avenue
Jamestown, NY 14701

Figure 2: Subject Property Map

Legend

= Approximate Property Boundary

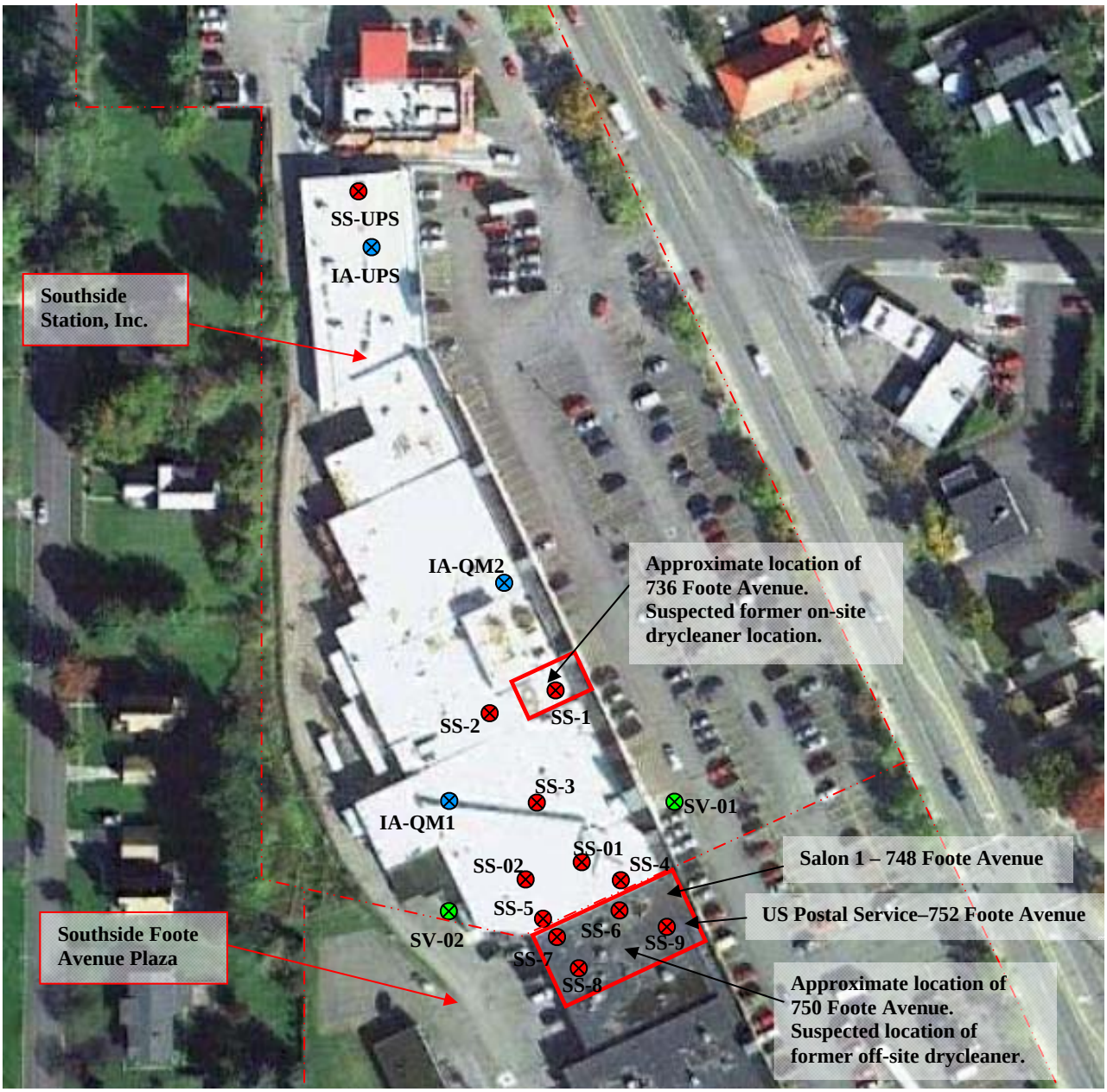
N

APEX

155 Tri-County Parkway, Suite 250, Cincinnati, Ohio 45246

Southside Station, Inc.
704-744 Foote Avenue
Jamestown, NY 14701

Figure 3: Historical Drycleaner Location Map



Legend

= Sub-Slab Vapor Sample Location

= Soil Gas Sample Location

= Indoor Air Sample Location

= Approximate Property Boundary

N

APEX

155 Tri-County Parkway, Suite 250, Cincinnati, Ohio 45246

Southside Station, Inc.
704-744 Foote Avenue
Jamestown, NY 14701

Figure 4: Vapor Sampling Locations

Legend

= Proposed Sub-Slab Depressurization System area

N

APEX

155 Tri-County Parkway, Suite 250, Cincinnati, Ohio 45246

Southside Station, Inc.
704-744 Foote Avenue
Jamestown, NY 14701

Figure 5: Proposed Sub-Slab Depressurization System Location

TABLES

Table 1
Vapor Analytical Results

Southside Plaza
704-780 Foote Avenue
Jamestown, New York

Sample Type	Southside Station, Inc. Property								NYSDOH Guidance Action* (µg/m3)		
	Soil-Gas		Sub-Slab Vapor			Indoor Air					
Sample Date	8/18/2008	8/18/2008	8/18/2008	8/18/2008	3/31/2010	3/31/2010	3/31/2010	3/31/2010			
Analyte Concentration (µg/m^3)	SV-01	SV-02	SS-01	SS-02	SS-UPS	IA-QM1	IA-QM2	IA-UPS	NFA**	Monitor	Mitigate
1,1-dichloroethene	<7.42	<1.48	<1.43	<14.5	<3.5	<93	<4.1	<760	< 100	100 to < 1,000	≥ 1,000
1,1,1-trichloroethane	<10.2	<2.03	***161***	< 19.8	<4.9	<130	<5.7	***630***	< 100	100 to < 1,000	≥ 1,000
carbon tetrachloride	<11.7	<2.34	< 2.25	< 22.9	<5.6	<150	<6.5	<1,200	< 50	50 to < 250	≥ 250
cis-1,2-dichloroethene	***137***	<1.48	<1.43	<14.5	<3.5	<93	<4.1	<760	< 100	100 to < 1,000	≥ 1,000
tetrachloroethylene	**1,310**	34.5	***152***	***104***	6.7	<160	<7	<1,300	< 100	100 to < 1,000	≥ 1,000
trichloroethylene	***224***	7.65	16.9	<19.5	<4.8	<130	<5.6	<1,000	< 50	50 to < 250	≥ 250
vinyl chloride	<4.76	<0.952	<0.915	<9.29	<2.3	<60	<2.7	<490	< 50	50 to < 250	≥ 250

Sample Type	Southside Station, Inc. Property					Southside Foote Avenue Plaza Property				NYSDOH Guidance Action* (µg/m^3)		
	Sub-Slab Vapor											
Sample Date	3/21/2012	3/21/2012	3/21/2012	3/21/2012	3/21/2012	7/3/2012	7/3/2012	7/3/2012	7/3/2012			
Analyte Concentration (µg/m^3)	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9	NFA**	Monitor	Mitigate
1,1-dichloroethene	<0.68	<0.65	<0.68	<62	<700	<760	<17	<0.75	<0.74	< 100	100 to < 1,000	≥ 1,000
1,1,1-Trichloroethane	<0.93	<0.88	<0.92	<84	<950	<1000	<24	<1	<1	< 100	100 to < 1,000	≥ 1,000
carbon tetrachloride	0.42	0.48	0.40	<9.8	<110	<120	<2.8	0.52	0.51	< 50	50 to < 250	≥ 250
cis-1,2-dichloroethene	<0.68	<0.65	<0.68	<62	**4,300**	<760	<17	<0.75	<0.74	< 100	100 to < 1,000	≥ 1,000
tetrachloroethylene	2.8	18	22	**7,000**	**65,000**	**88,000**	**2,100**	17	***140***	< 100	100 to < 1,000	≥ 1,000
trichloroethylene	<0.093	0.32	0.15	***240***	**1,100**	**1,200**	6.7	0.16	0.18	< 50	50 to < 250	≥ 250
vinyl chloride	<0.093	<0.088	0.11	<8.4	<95	<100	<2.4	<0.10	<0.10	< 50	50 to < 250	≥ 250

Notes :
Bold/Italics - Result detected above NYSDOH Monitor Guidance Action Concentrations.
Bold/Underlined - Result detected above NYSDOH Mitigate Guidance Action Concentrations.
* New York State Department of Health Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 and June 25, 2007. Values presented assume indoor ai concentrations of <3 ug/m3.
** NFA = No Further Action

APPENDIX A

Health and Safety Plan

SITE SPECIFIC HEALTH AND SAFETY PLAN

Sub-Slab Depressurization System Installation

Southside Station, Inc.
704-744 Foote Road
Jamestown, New York

January 2013

PREPARED BY: Adam Flege
TITLE: Geologist

REVIEWED BY: Janet Rullman
TITLE: Certified Industrial Hygienist

APEX PROJECT NO.: 1200202.004

The information contained in this HASP is provided for the protection of the health and safety of Apex Companies, LLC personnel and subcontractors working under the direct supervision and control of Apex Companies, LLC on projects involving hazardous waste operations. The information included in this document is designed to identify, evaluate and control safety and health hazards, and provide for emergency response for site activities. This HASP will remain on the project site for reference by workers during each phase of the project. Apex Companies, LLC assumes no liability for, or responsibility to, any other parties for the accuracy or completeness of information included in the HASP or reliance upon this HASP by any other party.

Health and Safety Plan Acknowledgement

This form is to be signed by each Apex employee and contractor/subcontractor who will be present during this project. This Health and Safety Plan Acknowledgement must be signed prior to the person commencing work at the project site.

By signing this form, personnel acknowledge that they have read and understand the contents of this site specific Health and Safety Plan (HASP) and the hazards associated with the project, the control measures and procedures to follow to protect site personnel, property and the community during the course of this project.

Personnel also understand that on a daily basis, mandatory safety meetings will be held prior to starting the day's activities and attended by all on-site project personnel. Project personnel also acknowledge that they agree to perform all activities in a safe manner in accordance with the SSHASP. The purpose of the daily tailgate safety meetings is to discuss potential hazards, control measures and other pertinent information needed for communicating potential project hazards of daily activities at the site.

NAME	SIGNATURE	DATE

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APPENDICES

1.0 INTRODUCTION

This non-comprehensive site specific Health and Safety Plan (HASP) has been developed for installation of a sub-slab depressurization system where hazardous substances and/or dry cleaning solvents may be present.

2.0 SITE HISTORY AND DESCRIPTION

Apex Companies, LLC (Apex) was retained by Phillips Edison and Company (PECO) to install a sub-slab depressurization system (SSDS) adjacent to the location of a former dry cleaner at Southside Station, Inc., 704-744 Foote Road, Jamestown, New York.

Previous Vapor Assessments have indicated the presence of dry cleaning solvents in sub-slab vapor beneath the building footprint. Southside Station, Inc. has entered voluntarily into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program. Per direction of the NYSDEC, Apex is overseeing the installation of this SSDS.

Based on the findings from previous investigations, the following contaminants are anticipated to be encountered at the project site:

CONTAMINANT	MEDIA	CONCENTRATION RANGE OF CONTAMINANT	COMMENTS
Tetrachloroethene (PCE)	Air, sub-slab vapor	Variable	Previously identified in groundwater and/or soil
Trichloroethene (TCE)	Air, sub-slab vapor	Variable	Previously identified in groundwater and/or soil
1,2 Dichloroethene (DCE) (cis & trans)	Air, sub-slab vapor	Variable	Previously identified in groundwater and/or soil
Vinyl Chloride	Air, sub-slab vapor	Variable	Previously identified in groundwater and/or soil

Generic material safety data sheets or other safety and health information for these possible contaminants have been provided as a reference in **Appendix C.**

This HASP is being prepared for Apex personnel to use, as guidance in conducting work activities at the site in a safe manner. Known or anticipated hazardous areas or conditions for the site have been tabulated below:

Known or Anticipated Hazardous Areas or Conditions

- VOCs in sub-slab vapor
- Slips, trips, and falls
- Operation of power tools

3.0 WORKPLAN ELEMENTS

The work plan tasks and task objectives for this project are tabulated below.

PROJECT TASKS AND OBJECTIVES

TASK #	DESCRIPTION	OBJECTIVE
1	Oversite of SSDS installation	Oversee installation to ensure safe work environment and proper installation.

4.0 HAZARD ANALYSIS AND CONTROL MEASURES

A variety of potential hazards are believed associated with the project scope of work. The following table can be used to identify anticipated hazards for the project based on the project scope of work and site conditions. The hazards have been checked for the project tasks. This hazard checklist has been provided as a guide for developing control measures to be implemented to protect worker health and safety.

HAZARD ANALYSIS MATRIX

HAZARD	SSDS Installation Oversite
CHEMICAL	X
BIOHAZARD	
RADIATION	
HEAT STRESS	
COLD STRESS	X
INSECT BITES	
ANIMAL/SNAKE BITES	
WATER DROWNING	
POISONOUS PLANTS	
NOISE	X
CONFINED SPACES	
UNDERGROUND UTILITIES	X
OVERHEAD UTILITIES	X
VEHICULAR TRAFFIC	
CONSTRUCTION	X
MECHANICAL	X

ELECTRICAL	X
LANDFILL or SEWER GASES	
RADON or OTHER GASES	
SLIPS/FALLS	X
INCLEMENT WEATHER	
DRUM HANDLING	
PHYSICAL/BACK INJURY	X
HIGH CRIME AREA	
FLAMMABLE MATERIALS	
STATIC ELECTRICITY	
WELDING, CUTTING or BRAZING	
HIGH PRESSURE STEAM, WATER, or AIR	
DUSTY CONDITION	X

CONTROL MEASURES FOR ANTICIPATED WORK ACTIVITIES HAZARDS

TASK	HAZARD	CONTROL MEASURE
Hand-held power tool drilling	Equipment hazards	Maintain safe distance from person using tools. Use extreme caution when using power tools. Follow manufacturers safety precautions
	Noise	Hearing protection
All tasks	Slip/trip/fall	Move carefully
		Keep work area neat and tidy by putting away tools when not in use
		Carefully manage cords and system materials

CONTROL MEASURES FOR ANTICIPATED CONTAMINATION HAZARDS

TASK	HAZARD	CONTROL MEASURE
Slab drilling	Direct contact with VOCs in soil and soil vapor	Workers will don appropriate PPE (Modified Level D)
SSDS and vapor point installations	Direct contact with VOCs	Workers will don appropriate PPE (Modified Level D)

5.0 PROJECT STANDARD OPERATING PROCEDURES AND PRACTICES

All site personnel must adhere to the following standard operating procedures and practices.

1. All safety equipment and protective clothing is to be kept clean and well maintained.
2. All prescription eyeglasses in use will be safety glasses and will be compatible with respirators, if needed. Respirators are not anticipated to be needed for this work. Contact lenses should not be worn in areas where there is a potential for injury to the eye due to particulate, fume, vapors, gases or other air contaminant.
3. Level D disposable nitrile gloves or reusable leather or work gloves are to be worn on the site during all SSDS installation work. Appropriate cutting gloves are to be used during any cutting activities, including the use of knives or saws.
4. Footwear used on site will include steel toed boots during all system installation activities.
5. All personal protective equipment (PPE) used on site will be decontaminated or disposed of at the end of the workday.
6. All project personnel shall have a vision or corrected vision to at least 20/40 in one eye.
7. On-site personnel found to be disregarding any provisions of the HASP will, at the request of the Safety Officer, be barred from the project.
8. Used disposable outerwear will be removed upon completion of the system installation or at the end of each shift or the work day and will be placed inside disposable containers provided for that purpose. These containers will be stored at the site at the designated staging area and the Contractor will be responsible for proper disposal of these materials at the completion of the project.
9. Tyvek™ suits, or other outer garments, which become torn or badly soiled will be replaced immediately.
10. Eating, drinking, chewing gum or tobacco, smoking, etc., will be prohibited in the work zone and contamination reduction zones.
11. All personnel will thoroughly cleanse their hands, face, forearms and other exposed areas prior to eating smoking, drinking, or using the toilet facilities.
16. No alcohol or drugs (without prescription) will be allowed on-site at any time. Firearms are only allowed for security purposes, if allowed by the local law enforcement agency.
17. All personnel who are on medication should report it to the Safety Officer who will make a determination whether or not the individual be allowed to work and in what capacity. The Safety Officer may require a letter from the individual's personal physician stating what limitations, if any, the medication may impose on the individual.
18. At least one copy of these work practices shall be available for review at the job work site.
19. Legible and understandable, precautionary labels shall be affixed prominently to containers of contaminated scrap, waste, debris and clothing.
20. Removal of contaminated soil from protective clothing or equipment by blowing, shaking or any other means that disperse contaminants into the air is prohibited.
21. Transportation and disposal of contaminated materials shall comply with all applicable local, state, and federal regulations. The transporter and disposer will address these items.
22. Drummed contaminated materials shall be stored in tightly closed containers in well-ventilated areas.

23. Containers shall be moved only with the proper equipment and shall be secured to prevent dropping or loss of control during transport.
24. All trenching, shoring and excavation work must comply with all federal OSHA rules.
25. Portable eyewash stations shall be located near work activities and routinely checked to ensure that the equipment is functioning.
26. Before daily site operations begin, a tailgate safety meeting will be held to review the HASP concerns for the work activities and emergency response procedures. The Daily Tailgate Safety Meeting Logs will be maintained as part of the HASP and are provided in Appendix E.
27. Smoking is not permitted on the site during site work activities.
28. Field personnel should not stand with their head directly over a container of hazardous material or well when it is being opened.
29. Events surrounding accidents/injuries will be recorded in the daily log. Document the incident on Apex's Incident Report (Appendix F) and submit copies within 24 hours to the Corporate Human Resources Representative and Corporate Health and Safety Officer.
30. First aid kit(s) and fire extinguisher(s) will be available in all company vehicles and on project sites for responding to emergency situations.
31. Workers will use appropriate ladders during site work activities.
32. Apex personnel will confirm that all welding, cutting, burning, grinding or other open flame work in close proximity to the environmental/construction work site will require the issuance of a "Hot Work Permit".
33. Apex personnel will confirm that lockout-tag out procedures will be followed prior to performing any work on equipment for controlling hazardous energy.
34. Apex personnel will confirm that only authorized entrants, attendants and supervisors trained in confined space entry procedures will be permitted to enter and conduct work in confined spaces. OSHA confined space entry standard requirements must be complied with. Apex does not anticipate any confined spaces to be entered during this site work.
35. Use of a "buddy system" will be used during all site work activities.

6.0 VIOLATIONS OF THE SITE SPECIFIC HEALTH AND SAFETY PLAN

Apex will not tolerate violations of the HASP including standard operating procedures. Apex has the right to remove any individual who violates safety practices. Disciplinary measures are at the discretion of the Safety Officer and will be commensurate with the severity of the infraction. It is the responsibility of each individual to understand and comply with safety procedures and request clarification as needed. Supervisors carry additional oversight and enforcement responsibilities and, consequently, disciplinary measures will be more severe. The following guidelines apply for minor infractions for Apex employees and Apex contract employees:

- First infraction: verbal warning with no further action if individual corrects infraction immediately and acknowledges the infraction.

- Second infraction: written warning and possible time off site without pay to review safety procedures.

- Third infraction: individual banned from the site.

For serious or imminent hazards, safety violations will result in temporary or permanent banishment from the site.

7.0 PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING

The minimum level of PPE to be worn for this project is Level D. All work activities will commence in Modified Level D PPE. Categories of PPE are listed below.

CATEGORIES OF PPE

LEVEL OF PPE	PERSONAL PROTECTIVE EQUIPMENT
A	Positive pressure full face-piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved) Totally encapsulating chemical –protective suit Coveralls[1] Long underwear[1] Gloves, outer, chemical-resistant Gloves, inner, chemical-resistant Boots, chemical-resistant, steel toe and shank Hard hat (under suit)[1] Disposable protective suit, gloves and boots (depending on suit construction, may be worn over totally-encapsulating suit)
B	Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved) Hooded chemical-resistant clothing (overalls and long-sleeved jacket; coveralls; one or two-piece chemical-splash suit; disposable chemical-resistant overalls) Coveralls[1] Gloves, outer, chemical-resistant Gloves, inner, chemical-resistant

	Boots, outer, chemical-resistant, steel toe and shank Boot-covers, outer, chemical-resistant (disposable)[1] Face shield[1] Hard hat[1]
C	Full-face or half-mask, air purifying respirators (NIOSH approved) Hooded chemical-resistant clothing (overalls; two-piece chemical-splash suit; disposable chemical-resistant overalls) Coveralls[1] Gloves, outer, chemical-resistant Gloves, inner, chemical-resistant Boots, outer, chemical-resistant steel toe and shank[1] Boot-covers, outer, chemical-resistant (disposable)[1] Hard hat[1] Escape mask[1] Face shield[1]
D	Coveralls Gloves Boots/shoes, chemical-resistant steel toe and shank Boots, outer, chemical-resistant (disposable) Safety glasses with side shields, or chemical splash goggles Hard hat Escape mask[1] Face shield[1] Traffic vest[1] Cooling vest[1]

[1] optional, as applicable

TYPES OF HAZARDS FOR WHICH LEVELS A, B, C AND D PROTECTION ARE APPROPRIATE

PPE LEVEL	WHEN TO USE
A	The hazardous substance has been identified and requires the highest level of protection for skin, eyes, and the respiratory system based on either the measured, or potential for, high concentration of atmospheric vapors, gases, or particulates of materials that are harmful to skin; The site operation and work functions involve a high potential for splash, immersion, or exposure to unexpected vapors, gases, or particulates of materials that are harmful to skin or capable of being absorbed through the skin; Substances with a high degree of hazard to the skin are known or suspected to be present, and skin contact is possible; or, Operations are being conducted in confined, poorly ventilated areas, and the absence of conditions requiring Level A have not yet been determined.
B	The type and atmospheric concentration of substances have been identified and require a high level of respiratory protection, but less skin protection; The atmosphere contains less than 19.5% oxygen; or, The presence of incompletely identified vapors or gases is indicated by a direct-reading organic vapor detection instrument, but vapors and gases are not suspected of containing high levels of chemicals harmful to skin or capable of being absorbed through the skin. Use of Level B involves atmospheres with IDLH concentrations of specific substances that present severe inhalation hazards and that do not represent a sever skin hazard, or do not meet the criteria for use of air-purifying respirators.
C	The atmospheric contaminants, liquid splashes, or other direct contact will not adversely affect or be absorbed through any exposed skin**;** The types of air contaminants have been identified, concentrations measured, and an air-purifying respirator is available that can remove the contaminants; and, All criteria for the use of air-purifying respirators are met.
D	The atmosphere contains no known hazard; and, Work functions preclude splashes, immersion, or the potential for unexpected inhalation of, or contact with hazardous levels of any chemicals.

Combinations of personal protective equipment other than those described for Levels A, B, C, and D protection may be more appropriate and may be used to provide the proper level of protection.

The table below lists the minimum initial level of personal protective equipment required for each task of the project scope of work.

MINIMUM PPE LEVEL FOR EACH TASK

TASK	LEVEL OF PPE	COMMENTS
Slab Drilling	D	
SSDS and communication point installation	D	

Decontamination equipment-includes water, Alconox™ soap, spray bottle and paper towels.

8.0 EMERGENCY RESPONSE/PLANNING

8.1 Emergency Telephone Numbers/Directions to Hospital

The following telephone numbers and directions to the hospital from the site are provided to expedite emergency assistance if needed at the site.

Nearest Hospital: WCA Hospital
207 Foote Road
Jamestown, New York, 14701
716-487-0141
Emergency/general Tel. No.: or 911

See **Appendix B** for map and directions to hospital.

Fire Department: 911
Police Department: 911
Ambulance: 911

CHEMTREC (Chemical Transportation Emergency Center)
2501 M Street, NW
Washington, D. C. 20037

Tel. No.: 800-424-9300

Poison Control Center: 800-336-6997

Project Manager: Adam Flege (513) 771-3617 (office); (513) 417-3727

Client Contact: none on site

Corporate Health and Safety: Harold Heckman
(484) 429-5104

8.2 Evacuation Procedures

If evacuation from the site is required due to an emergency such as a fire or explosion, the following action should be taken:

- First person recognizing need for evacuation will immediately notify all on-site personnel via voice or other means.
- Leave the area and report to a designated rally point established by the Safety Officer. This evacuation point may vary daily based upon site activities and weather conditions and location should be discussed at the Daily Tailgate Safety Meeting.
- Notify emergency medical services, if appropriate at 911.
- Account for all site personnel.
- Contact the Apex project manager and Safety Officer, and Client contact as soon as practical.
- Establish site security and control measures for the neighborhood safety until emergency responders arrive and take control.

8.3 Medical Emergency

Response to a medical emergency:

- Initially survey the situation; do not enter an area that could jeopardize your safety.
- Establish the level of consciousness and then call for help, informing the Emergency Medical Service (EMS) of the patient's condition.
- If the person is unconscious, perform a primary assessment by checking for arousal, airway, breathing and circulation (only trained First Aid/CPR personnel should perform these tasks; state that you are medically trained).
- Conduct a secondary assessment to the conscious patient by checking for bleeding (control with direct pressure) and monitoring for vital signs.
- Do not move the person unless the location is hazardous.
- Provide First Aid to the level trained.
- Contact the project manager and Safety Officer as soon as practical and document the incident in a report to the Safety Officer.
- See **Appendix A**, Emergency First Aid Procedures for additional response measures.

8.4 Fire Emergency

Response to a fire emergency:

- Evacuate the area immediately and notify EMS.
- Extinguish small fires with an all-purpose fire extinguisher and provided that you have had training in the use of an extinguisher.
- Contact the project manager and Safety Officer and document the incident; document for the project file and send a copy to the Safety Officer.

8.5 Spill/Release of a Hazardous Material

Response to a spill or release of hazardous material:

- Wear appropriate PPE and stay upwind of the incident.
- Turn off all sources of ignition and shut down pumps and valves to equipment in the immediate area; if possible, plug leaks and collect drippings in a container.
- Place absorbent around the incident site to soak up hazardous material.
- Call the fire department if potential for a fire exists.
- Determine if the client wants to repair the damage and whether a contractor has to be used.
- Advise the client of any release notification requirements for state or federal agencies and determine who is to complete and submit forms. Submit or report to regulatory agencies only if authorized to do so by client. Completely document interaction with client and regulatory agency. The project manager must contact the client or generator of the spill/release.
- Do not approve for transport, or transport contaminated environmental media until appropriate manifest or shipping paper have been completed and approved. Do not sign any manifest as a generator of waste. Discuss waste transportation issue with Corporate and Division representative prior to resolution for disposal.
- Notification must be made by the client, or by Apex, with permission from the client, to the proper governmental agencies. Spills/releases entering waterways must be reported to **the Coast Guard and the National Response Center at 800-424-8802.**

9.0 TRAINING REQUIREMENTS

Site workers must have completed the following training programs **(first 4 only for RCRA sites)**:

- Field personnel must complete 40 hours of hazardous waste activity instruction (OSHA 29 CFR 1910.120/1926.65);
- Field personnel must complete 24 hours of supervised field instruction (29 CFR 1910.120/1926.65);
- Field personnel must complete 8 hours of refresher training each year (29 CFR 1910.120/1926.65);
- On-site supervisors/managers directly responsible for employees engaged in hazardous waste operations must have an additional 8 hours of supervisory training (29 CFR 1010.120/1926.65);
- All site personnel must attend and participate in “Daily Safety Tailgate Meeting and document attendance (29 CFR 1910.120);
- Hazard communication training on any hazardous substance’s chemical and physical properties (29 CFR 1910.1200);
- Personal protective equipment training for personnel required to wear protective clothing (29 CFR 1910.132 and 134);
- Personnel required to extinguish small fires on site are required to be trained in the proper use of a fire extinguisher (29 CFR 1910.156/1926.150);

- All site personnel must review this HASP and be able to obtain emergency information, if needed. They must also be familiar with established emergency response and evacuation procedures for the site. This information is to be reviewed with all project personnel prior to commencement of field activities (29 CFR 1910.120);
- Other training, as required, to comply with OSHA health and safety standards.

10.0 MEDICAL SURVEILLANCE

Medical surveillance consisting of a baseline, annual and termination examination are required of all Apex employees whose job may require working in environments with potential exposure to health hazards such as hazardous waste, petroleum products, materials, noise, lead and crystalline silica. Examination criteria and frequency will be determined by Apex's occupational physicians based upon guidance and regulatory requirements provided in the applicable OSHA Hazardous Waste Operation and Emergency Response Regulation (29 CFR 1910.120 or 29 CFR 1926.65). More frequent examinations may be performed at the recommendation of a qualified occupational physician.

Apex is also required to retain and provide employee access to medical and exposure monitoring records in compliance with OSHA 29 CFR 1910.1020 or 1926.33, Access to Employee Exposure and Medical Records.

10.1 Heat Stress Evaluation

Heat stress is anticipated to be a significant health and safety issue associated with this project due to the nature of the hazards anticipated to be encountered or because of the time of the year the work is being conducted. The four forms of heat stress include heat rash, heat cramps, heat exhaustion and heat stroke. It is very important to be able to recognize symptoms associated with the various forms of heat stress and to know first aid measures. A table listing forms and symptoms of heat stress is located below. This information should be reviewed with employees prior to commencing the project.

FORMS AND SYMPTOMS OF HEAT STRESS

FORM	SYMPTOMS	FIRST AID MEASURES
Heat Rash	Prickly heat Slight to extensive skin irritation could occur	Keep skin clean and dry for at least 12 hours per day Change wet clothing
Heat Cramps	Skin is sweaty Painful muscle spasms Body temperature is normal	Provide fluids Gently massage cramped muscles
Heat Exhaustion	Clammy or pale skin Weakness and fatigue Profuse sweating Nausea, vomiting Disorientation Headache	Remove from heat Loosen clothing Sponge skin with cool water Fan victim; stop if victim shivers or develops goose bumps

	Normal or slightly elevated body temperature	Give fluids; give victim a drink solution of one pint water and one teaspoon salt every 30 minutes until recovers Obtain medical help if victim does not improve
Heat Stroke	Unconsciousness or mental confusion Dizziness Staggered walk Appears to be agitated Hot, dry skin Extremely high body temperature; could reach 105° F	Get emergency medical aid immediately Remove victim from heat Remove clothing, place victim in a cool bath, or apply cool compresses Do not give any fluids Do not leave victim alone Do not allow victim to become so cold that victim shivers Do not give aspirin or other medication in an attempt to lower fever

10.2 Cold Stress Evaluation

The stress of working in a cold environment can cause a variety of strains on the body including constriction of blood vessels of the skin, shivering, localized frostbite or frostnip, and generalized hypothermia. The frequency of accidents may be higher in cold environments. Nerve impulses are slowed, exposed workers react sluggishly, fumble with their hands and become clumsy. There are also safety problems common to cold environments. They include ice, snow blindness, reflection from snow and the possibility of burns from contact with cold metal surfaces.

Thermal injury due to cold exposure can become a problem for project field personnel. Systemic cold exposure is known as hypothermia. Localized cold exposure is generally considered to be categorized as frostbite.

Hypothermia is caused by a decrease in core body temperature below 96ºF. The central (brain and spinal cord) and peripheral (skin and muscle) activity normally maintains the body temperature. Interference with any of these mechanisms can result in hypothermia, even in the absence of what is usually considered a "cold" ambient temperature. Symptoms of hypothermia include shivering, apathy, listlessness, sleepiness, and unconsciousness.

Frostbite is both a general and medical term given to areas of local cold injury. Unlike systemic hypothermia, frostbite rarely occurs unless the ambient temperature drops below freezing and usually less than 2ºF. Symptoms of frostbite include a sudden blanching or whitening of the skin. The skin has a waxy or white appearance and is firm to the touch. Affected tissues are cold, pale and solid.

Prevention of cold-related illness can be aided by educating workers on recognizing the symptoms of frostbite and hypothermia and by identifying and limiting known risk factors. The workers should be provided with enclosed, heated shelters on, or adjacent to, the worksite, dry changes of clothing and warm drinks. When working in extremely cold climates, frequent work breaks should be encouraged.

To monitor site personnel for cold-related illnesses, commence oral temperature recordings at the job site:

- At the supervisor's discretion when suspicion is based on changes in a worker's performance or mental status;
- When a worker requests monitoring;
- As a screening measure, at least twice per shift, under extremely hazardous climatic conditions (for example, when the wind-chill is less than 20ºF, or wind-chill is less than
  30ºF with precipitation); and
- As a screen measure whenever any person develops hypothermia.
- Workers developing moderate hypothermia, in which the core temperature drops to 92ºF, should not return to work for at least 48 hours, if adverse weather conditions continue.

The following table provides symptoms associated with a drop in core body temperature.

PROGRESSIVE CLINICAL SYMPTOMS OF HYPOTHERMIA

CORE BODY TEMPERATURE (ºF)	SYMPTOMS
99.6	Normal core body temperature
96.8	Metabolic rate increases
95.0	Maximum shivering
93.2	Victim conscious and responsive
91.4	Severe hypothermia
89.6-87.8	Consciousness clouded, blood pressure difficult to obtain, pupils dilated but react to light, shivering ceases
86.0-84.2	Progressive loss of consciousness, muscular rigidity increases, pulse and blood pressure difficult to get, respiratory rate decreases
78.8	Victim is seldom conscious
64.4	Lowest accidental hypothermia victim to recover

Apex employees must be trained to minimize the risk of the hazards of working in cold environments and periodically reinforced in the recognition of the physiologic responses of the body to cold stress. The use of insulated work clothing, warm shelters and work/warming regimens should be used to minimize the potential hazards of cold stress. Also, special attention should be given to equipment warm-up time and freeze protection for vessels, piping, equipment, tools, and walking/working surfaces. The American Conference of Governmental Industrial Hygienists (ACGIH) TLVs for cold stress should be used as a guideline.
Control measures to prevent cold related symptoms include:

- Prevent continuous exposure of skin when the wind-chill factor results in an equivalent temperature of -32< C (-26< F). Workers exposed to air temperatures of 2< C (35.6< F) or lower who become immersed in water or whose clothing gets wet should change into dry clothing immediately and be treated for hypothermia.
- Use heated warming shelters such as tents and cabins when work is performed continuously in an equivalent chill temperature of -7< C (20< F) or below.
- Ensure frequent intake of warm, sweet, caffeine-free, non-alcoholic drinks or soup.
- Minimize sitting still or standing for long periods of time.
- Ensure use of appropriate PPE.

The correct clothing depends on the specific cold stress situation. It is important to preserve the air space between your body and the outer layer of clothing in order to retain body heat. The more air pockets each layer of clothing has, the better the insulation. However, the insulating effect is negated if the clothing interferes with the evaporation of sweat, or if the skin or clothing is wet.

11.0 ENVIRONMENTAL MONITORING PROGRAM

11.1 Air Monitoring

Due to the nature of the project and unlikelihood of encountering contamination to levels that would warrant air monitoring, no air monitoring will be conducted**.**

12.0 DECONTAMINATION PROCEDURES

Field equipment and personal protective equipment may become contaminated with residual VOCs during the site activities. It is important to halt the spread of contamination to vehicles, personnel and support areas by using appropriate decontamination procedures. Due to the nature of the work being conducted, it is anticipated that work clothing of personnel on projects would not become badly soiled. As such, it is anticipated that only gloves, boots, and coveralls used for site activities would be contaminated from site constituents. In the event contaminated soils or groundwater come into contact with the personnel's clothing, the employee should change clothing before entering a vehicle or leaving the site.

All PPE used may be disposed of with household waste.

The following decontamination procedures can be used:

Field Equipment: Equipment such as hand tools, drill augers, system installation equipment and other items can be decontaminated with a solution of detergent and water. Equipment should be rinsed with clean water prior to leaving the site. Protect clean materials from exposure by covering with disposable covers such as plastic to minimize required decontamination activities. For example, a small plastic bag can be taped around not-critical portions of air monitoring instrumentation, to protect from damaging electronics by water.

13.0 SPILL CONTAINMENT PROGRAM

See Section 8.5.

14.0 EXCAVATION ACTIVITIES

There are no excavation activities associated with this project.

15.0 RECORD KEEPING REQUIREMENTS

This is a short-term project, which will be completed in one week of field work. At a minimum, the following records should be maintained at the project site in Apex's possession: (select only those items that are appropriate for the project)

- The site specific Health and Safety Plan including emergency response, contingency, evacuation plans and Acknowledgement page
- Daily Tailgate Safety Meeting logs and summaries of meetings (in project field book)
- Material Safety Data Sheets or other references for hazardous materials on the project site
- Hazard Assessment for PPE (usually part of HASP)
- Emergency phone numbers (in HASP)

16.0 ENVIRONMENTAL, SAFETY AND HEALTH ROLES AND RESPONSIBILITIES OF PROJECT PERSONNEL

The following table summarizes personnel responsibilities at the job site. This information should be reviewed with all project personnel prior to commencing site activities.

Roles and Responsibilities of Project Personnel

PERSONNEL	ROLES AND RESPONSIBILITIES
Program Managers	Provides direction, management and resources to achieve goals and objectives of project Responsible for developing and implementing systems to ensure employees follow the HASP Responsible for general safety performance of employees and implementing a phased disciplinary program for employees violating health and safety programs Assigns and communicates safety and health responsibility to subordinates and holds subordinates accountable for their performance
Project Managers	Ensures that specific work tasks are properly prioritized, planned and conducted in a safe manner Verifies all site workers meet OSHA regulatory requirements Provides resources and equipment necessary to conduct and execute assigned tasks in a safe manner Designates an adequate number of health and safety specialists with the

PERSONNEL	ROLES AND RESPONSIBILITIES
	necessary authority and responsibility to develop and implement the HASP and to verify its effectiveness Provides periodic health and safety program reviews/audits to ensure program effectiveness and quality
Safety Officer	Provides technical expertise necessary to carry out requirements and support work activities Provides training on the HASP, Hazard Communication, and other project specific health and safety training Implements and enforces HASP requirements, with project personnel assigned to work under their jurisdiction Ensures that adequate safety controls are maintained Obtains related information on suspect hazardous materials to facilitate preparation of hazardous material abatement Ensures that appropriate health and safety-related project documentation is maintained for the project
Site Laborers	Conduct work in a safe manner in accordance with the HASP, other applicable safe work procedures Appropriately uses assigned personal protective equipment Observes their work area surroundings for potential safety issues Reports unsafe work conditions or practices to the health and safety specialist/site safety and health officer Initiates feasible personal action to eliminate/mitigate unsafe conditions
Visitors	Remain outside designated work zones unless authorized by Project Manager to enter hot or contamination reduction zones wearing appropriate PPE Comply with all site specific HASP requirements including safe practices and levels of PPE Comply with training, medical surveillance and other requirements of the HASP, if access is permitted on the site

APPENDICES

APPENDIX A

Emergency First Aid Procedures for Certified Personnel

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Tools for healthier lives

Original Article:http://www.mayoclinic.com/health/first-aid-cpr/FA00061

Cardiopulmonary resuscitation (CPR): First aid

Cardiopulmonary resuscitation (CPR) is a lifesaving technique useful in many emergencies, including heart attack or near drowning, in which someone's breathing or heartbeat has stopped. CPR involves a combination of mouth-to-mouth rescue breathing and chest compression that keeps oxygenated blood flowing to the brain and other vital organs until more definitive medical treatment can restore a normal heart rhythm.

When the heart stops, the absence of oxygenated blood can cause irreparable brain damage in only a few minutes. Death will occur within eight to 10 minutes. Time is critical when you're helping an unconscious person who isn't breathing.

To learn CPR properly, take an accredited first-aid training course, including CPR and how to use an automated external defibrillator (AED).

Before you begin
Assess the situation before starting CPR:

- Is the person conscious or unconscious?
- If the person appears unconscious, tap or shake his or her shoulder and ask loudly, "Are you OK?"
- If the person doesn't respond, call 911 (or your local emergency number), or have someone else do it. But if you're alone and the victim is an infant or a child age 1 to 8 who needs CPR, perform two minutes of CPR before calling for help.

Remember the ABCs
Airway, Breathing and Circulation — to remember the steps explained below.

AIRWAY: Clear the airway

1. Put the person on his or her back on a firm surface.

2. Kneel next to the person's neck and shoulders.
3. Open the person's airway using the head tilt-chin lift. Put your palm on the person's forehead and gently push down. Then with the other hand, gently lift the chin forward to open the airway.
4. Check for normal breathing, taking no more than 10 seconds: Look for chest motion, listen for breath sounds, and feel for the person's breath on your cheek and ear. Do not consider gasping to be normal breathing. If the person isn't breathing normally or you aren't sure, begin mouth-to-mouth breathing.

BREATHING: Breathe for the person

Rescue breathing can be mouth-to-mouth breathing or mouth-to-nose breathing if the mouth is seriously injured or can't be opened.

1. With the airway open (using the head tilt-chin lift), pinch the nostrils shut for mouth-to-mouth breathing and cover the person's mouth with yours, making a seal.
2. Prepare to give two rescue breaths. Give the first rescue breath — lasting one second — and watch to see if the chest rises. If it does rise, give the second breath. If the chest doesn't rise, repeat the head tilt-chin lift and then give the second breath.
3. Begin chest compressions — go to "CIRCULATION" below.

CIRCULATION: Restore blood circulation

1. Place the heel of one hand over the center of the person's chest, between the nipples. Place your other hand on top of the first hand. Keep your elbows straight and position your shoulders directly above your hands.
2. Use your upper body weight (not just your arms) as you push straight down on (compress) the chest 1 1/2 to 2 inches. Push hard and push fast — give two compressions per second, or about 100 compressions per minute.
3. After 30 compressions, tilt the head back and lift the chin up to open the airway. Prepare to give two rescue breaths. Pinch the nose shut and breathe into the mouth for one second. If the chest rises, give a second rescue breath. If the chest doesn’t rise, repeat the head tilt-chin lift and then give the second rescue breath. That's one cycle. If someone else is available, ask that person to give two breaths after you do 30 compressions.
4. If the person has not begun moving after five cycles (about two minutes) and an automated external defibrillator (AED) is available, open the kit and follow the prompts. If you're not trained to use an

AED, a 911 operator may be able to guide you in its use. Trained staff at many public places are also able to provide and use an AED. Use pediatric pads, if available, for children ages 1 to 8. If pediatric pads aren't available, use adult pads. Do not use an AED for infants younger than age 1. If an AED isn't available, go to Number 5 below.

5. Continue CPR until there are signs of movement or until emergency medical personnel take over.

To perform CPR on a child:

The procedure for giving CPR to a child age 1 through 8 is essentially the same as that for an adult. The differences are as follows:

- Perform five cycles of compressions and breaths on the child — this should take about two minutes — before calling 911 or the local emergency number, unless someone else can call while you attend to the child.
- Use only one hand to perform heart compressions.
- Breathe more gently.
- Use the same compression/breath rate as is used for adults: 30 compressions followed by two breaths. This is one cycle. Following the two breaths, immediately begin the next cycle of compressions and breaths. Continue until the victim moves or help arrives.

To perform CPR on a baby:

Most cardiac arrests in infants occur from lack of oxygen, such as from drowning or choking. If you know the infant has an airway obstruction, perform first aid for choking. If you don't know why the infant isn't breathing, perform CPR.

To begin, assess the situation. Stroke the baby and watch for a response, such as movement, but don't shake the child.

If there's no response, follow the ABC procedures below and time the call for help as follows:

- If you're the only rescuer and CPR is needed, do CPR for two minutes — about five cycles — before calling 911 or your local emergency number.
- If another person is available, have that person call for help immediately while you attend to the baby.

AIRWAY: Clear the airway

1. Place the baby on his or her back on firm, flat surface, such as a table. The floor or ground also will do.
2. Gently tip the head back by lifting the chin with one hand and pushing down on the forehead with the other hand.
3. In no more than 10 seconds, put your ear near the baby's mouth and check for breathing: Look for chest motion, listen for breath sounds, and feel for breath on your cheek and ear.

If the infant isn't breathing, begin mouth-to-mouth breathing immediately.

BREATHING: Breathe for the infant

1. Cover the baby's mouth and nose with your mouth.
2. Prepare to give two rescue breaths. Use the strength of your cheeks to deliver gentle puffs of air (instead of deep breaths from your lungs) to slowly breathe into the baby's mouth one time, taking one second for the breath. Watch to see if the baby's chest rises. If it does, give a second rescue breath. If the chest does not rise, repeat the head tilt-chin lift and then give the second breath.
3. If the chest still doesn't rise, examine the mouth to make sure no foreign material is inside. If the object is seen, sweep it out with your finger. If the airway seems blocked, perform first aid for a choking infant.
4. Begin chest compressions — go to "CIRCULATION" below.

CIRCULATION: Restore blood circulation

1. Imagine a horizontal line drawn between the baby's nipples. Place two fingers of one hand just below this line, in the center of the chest.
2. Gently compress the chest to about one-third to one-half the depth of the chest.
3. Count aloud as you pump in a fairly rapid rhythm. You should pump at a rate of about 100 times a minute.
4. Give two breaths after every 30 chest compressions.
5. Perform CPR for about two minutes before calling for help unless someone else can make the call while you attend to the baby.
6. Continue CPR until you see signs of life or until a professional relieves you.

By Mayo Clinic Staff
Jan 16, 2006

FA00061

MayoClinic.com
Tools for healthier lives

Original Article:http://www.mayoclinic.com/health/first-aid-severe-bleeding/FA00038

Severe bleeding: First aid

If possible, before you try to stop severe bleeding, wash your hands to avoid infection and put on synthetic gloves. Don't reposition displaced organs. If the wound is abdominal and organs have been displaced, don't try to push them back into place. Cover the wound with a dressing.

For other cases of severe bleeding, follow these steps:

1. **Have the injured person lie down.** If possible, position the person's head slightly lower than the trunk or elevate the legs. This position reduces the risk of fainting by increasing blood flow to the brain. If possible, elevate the site of bleeding.
2. **While wearing gloves, remove any obvious dirt or debris from the wound.** Don't remove any large or more deeply embedded objects. Don't probe the wound or attempt to clean it at this point. Your principal concern is to stop the bleeding.
3. **Apply pressure directly on the wound.** Use a sterile bandage, clean cloth or even a piece of clothing. If nothing else is available, use your hand.
4. **Maintain pressure until the bleeding stops.** Hold continuous pressure for at least 20 minutes without looking to see if the bleeding stopped. You can maintain pressure by binding the wound tightly with a bandage (or even a piece of clean clothing) and adhesive tape.
5. **Don't remove the gauze or bandage.** If the bleeding continues and seeps through the gauze or other material you are holding on the wound, don't remove it. Instead, add more absorbent material on top of it.
6. **Squeeze a main artery if necessary.** If the bleeding doesn't stop with direct pressure, apply pressure to the artery delivering blood to the area of the wound. Pressure points of the arm are on the inside of the arm just above the elbow and just below the armpit. Pressure points of the leg are just behind the knee and in the groin. Squeeze the main artery in these areas against the bone. Keep your fingers

flat. With your other hand, continue to exert pressure on the wound itself.

7. **Immobilize the injured body part once the bleeding has stopped.** Leave the bandages in place and get the injured person to the emergency room as soon as possible.

If you suspect internal bleeding, seek emergency help. Signs of internal bleeding may include:

- Bleeding from body cavities (such as the ears, nose, rectum or vagina)
- Vomiting or coughing up blood
- Bruising on neck, chest, abdomen or side (between ribs and hip)
- Wounds that have penetrated the skull, chest or abdomen
- Abdominal tenderness, possibly accompanied by rigidity or spasm of abdominal muscles
- Fractures
- Shock, indicated by weakness, anxiety, thirst or skin that's cool to the touch

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By Mayo Clinic Staff
Jan 12, 2006

FA00038

APPENDIX B

Hospital Route Map and Directions

MAPQUEST.

Notes

Trip to WCA Hospital

207 Foote Ave, Jamestown, NY 14701 - (716) 487-0141
0.71 miles - about 2 minutes

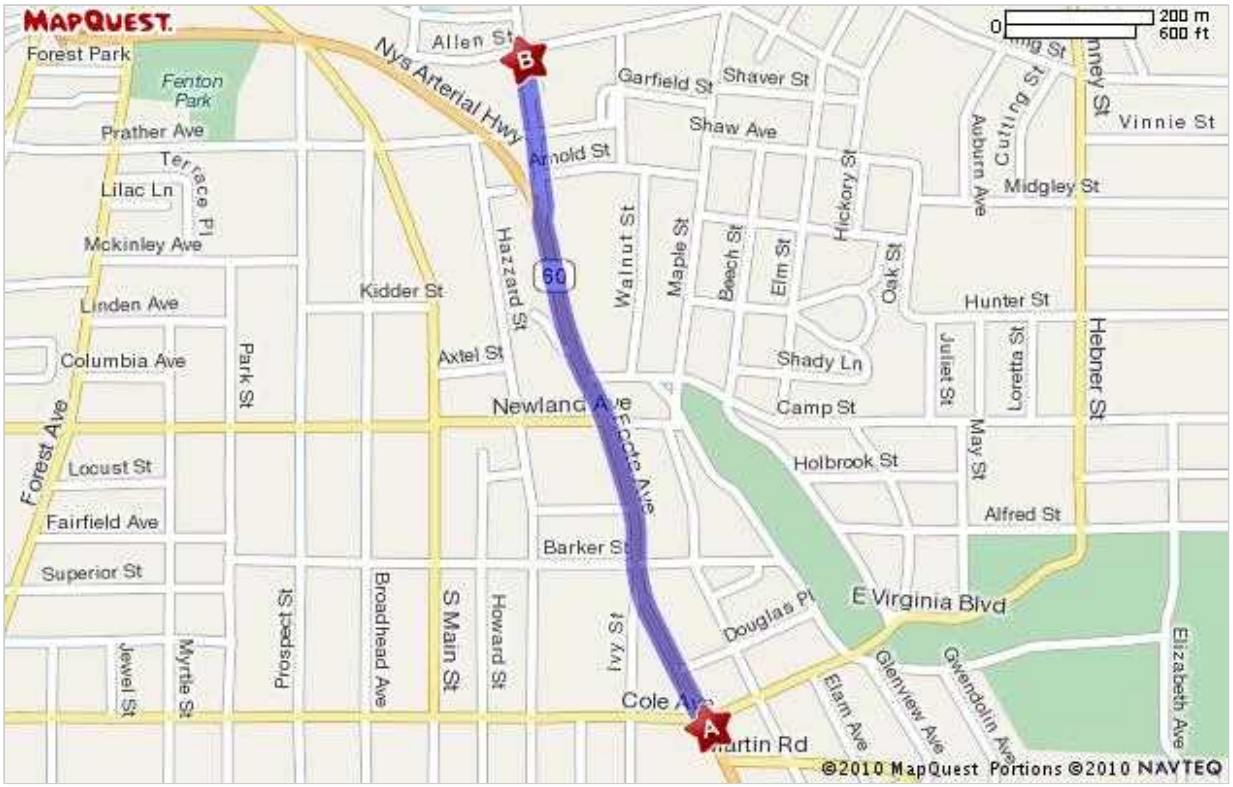
A 704 Foote Ave, Jamestown, NY 14701-8225

START	1. Start out going **NORTH** on **FOOTE AVE / NY-60** toward **COLE AVE**.	go 0.5 mi
	2. Turn **SLIGHT RIGHT** onto **FOOTE AVE**.	go 0.2 mi
END	3. **207 FOOTE AVE** is on the **RIGHT**.	go 0.0 mi

B WCA Hospital - (716) 487-0141
207 Foote Ave, Jamestown, NY 14701

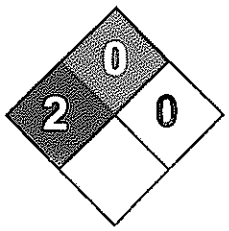
Total Travel Estimate : 0.71 miles - about 2 minutes

Route Map Hide



APPENDIX C

Safety Data Sheets (SDS) and Related Safety and Health Information for Hazardous Materials Anticipated to be found at the Job Site



Health	2
Fire	0
Reactivity	0
Personal Protection	G

Material Safety Data Sheet
Tetrachloroethylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Tetrachloroethylene

Catalog Codes: SLT3220

CAS#: 127-18-4

RTECS: KX3850000

TSCA: TSCA 8(b) inventory: Tetrachloroethylene

CI#: Not available.

Synonym: Perchloroethylene; 1,1,2,2-Tetrachloroethylene; Carbon bichloride; Carbon dichloride; Ankilostin; Didakene; Dilatin PT; Ethene, tetrachloro-; Ethylene tetrachloride; Perawin; Perchlor; Perclene; Perclene D; Percosolvel; Tetrachloroethene; Tetraleno; Tetralex; Tetravec; Tetroguer; Tetropil

Chemical Name: Ethylene, tetrachloro-

Chemical Formula: C2-Cl4

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Tetrachloroethylene	127-18-4	100

Toxicological Data on Ingredients: Tetrachloroethylene: ORAL (LD50): Acute: 2629 mg/kg [Rat]. DERMAL (LD): Acute: >3228 mg/kg [Rabbit]. MIST(LC50): Acute: 34200 mg/m 8 hours [Rat]. VAPOR (LC50): Acute: 5200 ppm 4 hours [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH. Classified 2A (Probable for human.) by IARC, 2 (anticipated carcinogen) by NTP. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys, liver, peripheral nervous system, respiratory tract, skin, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with skin. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, metals, acids, alkalis.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protection:
Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 25 (ppm) from OSHA (PEL) [United States] TWA: 25 STEL: 100 (ppm) from ACGIH (TLV) [United States] TWA: 170 (mg/m3) from OSHA (PEL) [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Ethereal.

Taste: Not available.

Molecular Weight: 165.83 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 121.3°C (250.3°F)

Melting Point: -22.3°C (-8.1°F)

Critical Temperature: 347.1°C (656.8°F)

Specific Gravity: 1.6227 (Water = 1)

Vapor Pressure: 1.7 kPa (@ 20°C)

Vapor Density: 5.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 5 - 50 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.4

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Miscible with alcohol, ether, chloroform, benzene, hexane. It dissolves in most of the fixed and volatile oils. Solubility in water: 0.015 g/100 ml @ 25 deg. C It slowly decomposes in water to yield Trichloroacetic and Hydrochloric acids.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, metals, acids, alkalis.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Oxidized by strong oxidizing agents. Incompatible with sodium hydroxide, finely divided or powdered metals such as zinc, aluminum, magnesium, potassium, chemically active metals such as lithium, beryllium , barium. Protect from light.

Special Remarks on Corrosivity: Slowly corrodes aluminum, iron, and zinc.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 2629 mg/kg [Rat]. Acute dermal toxicity (LD50): >3228 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 5200 4 hours [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH. Classified 2A (Probable for human.) by IARC, 2 (Some evidence.) by NTP. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. May cause damage to the following organs: kidneys, liver, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of ingestion.

Special Remarks on Toxicity to Animals:
Lowest Publishe Lethal Dose/Conc: LDL [Rabbit] - Route: Oral; Dose: 5000 mg/kg LDL [Dog] - Route: Oral; Dose: 4000 mg/kg LDL [Cat] - Route: Oral; Dose: 4000 mg/kg

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects and birth defects(teratogenic). May affect genetic material (mutagenic). May cause cancer.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation with possible dermal blistering or burns. Symtoms may include redness, itching, pain, and possible dermal blistering or burns. It may be absorbed through the skin with possible systemic effects. A single prolonged skin exposure is not likely to result in the material being absorbed in harmful amounts. Eyes: Contact causes transient eye irritation, lacrimation. Vapors cause eye/conjunctival irritation. Symptoms may include redness and pain. Inhalation: The main route to occupational exposure is by inhalation since it is readily absorbed through the lungs. It causes respiratory tract irritation, . It can affect behavior/central nervous system (CNS depressant and anesthesia ranging from slight inebriation to death, vertigo, somnolence, anxiety, headache, excitement, hallucinations, muscle incoordination, dizziness, lightheadness, disorentiation, seizures, enotional instability, stupor, coma). It may cause pulmonary edema Ingestion: It can cause nausea, vomiting, anorexia, diarrhea, bloody stool. It may affect the liver, urinary system (proteinuria, hematuria, renal failure, renal tubular disorder), heart (arrhythmias). It may affect behavior/central nervous system with symptoms similar to that of inhalation. Chronic Potential Health Effects: Skin: Prolonged or repeated skin contact may result in excessive drying of the skin, and irritation. Ingestion/Inhalation: Chronic exposure can affect the liver(hepatitis,fatty liver degeneration), kidneys, spleen, and heart (irregular heartbeat/arrhythmias, cardiomyopathy, abnormal EEG), brain, behavior/ central nervous system/peripheral nervous system (impaired memory, numbness of extremeties, peripheral neuropathy and other

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 18.4 mg/l 96 hours [Fish (Fatthead Minnow)]. 18 mg/l 48 hours [Daphnia (daphnia)]. 5 mg/l 96 hours [Fish (Rainbow Trout)]. 13 mg/l 96 hours [Fish (Bluegill sunfish)].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Tetrachloroethylene UNNA: 1897 PG: III

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Tetrachloroethylene California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Tetrachloroethylene Connecticut hazardous material survey.: Tetrachloroethylene Illinois toxic substances disclosure to employee act: Tetrachloroethylene Illinois chemical safety act: Tetrachloroethylene New York release reporting list: Tetrachloroethylene Rhode Island RTK hazardous substances: Tetrachloroethylene Pennsylvania RTK: Tetrachloroethylene Minnesota: Tetrachloroethylene Michigan critical material: Tetrachloroethylene Massachusetts RTK: Tetrachloroethylene Massachusetts spill list: Tetrachloroethylene New Jersey: Tetrachloroethylene New Jersey spill list: Tetrachloroethylene Louisiana spill reporting: Tetrachloroethylene California Director's List of Hazardous Substances: Tetrachloroethylene TSCA 8(b) inventory: Tetrachloroethylene TSCA 8(d) H and S data reporting: Tetrachloroethylene: Effective date: 6/1/87; Sunset date: 6/1/97 SARA 313 toxic chemical notification and release reporting: Tetrachloroethylene CERCLA: Hazardous substances.: Tetrachloroethylene: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R40- Possible risks of irreversible effects. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S23- Do not breathe gas/fumes/vapour/spray S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37- Wear suitable gloves. S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: g

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:29 PM

Last Updated: 11/01/2010 12:00 PM

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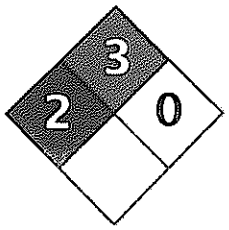

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
1,2-Dichloroethane MSDS

Section 1: Chemical Product and Company Identification

Product Name: 1,2-Dichloroethane

Catalog Codes: SLD2521, SLD3721

CAS#: 107-06-2

RTECS: KH9800000

TSCA: TSCA 8(b) inventory: 1,2-Dichloroethane

CI#: Not available.

Synonym: Ethylene dichloride

Chemical Formula: C2H4CL2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
{1,2-}Dichloroethane	107-06-2	100

Toxicological Data on Ingredients: 1,2-Dichloroethane: ORAL (LD50): Acute: 670 mg/kg [Rat]. 413 mg/kg [Mouse]. DERMAL (LD50): Acute: 2800 mg/kg [Rabbit]. VAPOR (LC50): Acute: 1414.2 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Extremely hazardous in case of ingestion. Very hazardous in case of eye contact (irritant), of inhalation. Hazardous in case of skin contact (irritant). Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Inflammation of the eye is characterized by redness, watering, and itching.

Potential Chronic Health Effects:
Very hazardous in case of ingestion, of inhalation.
CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified 2B (Possible for human.) by IARC. Classified 2 (Reasonably anticipated.) by NTP.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.

The substance is toxic to lungs, the nervous system, liver, mucous membranes.
Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical got on the victim's exposed skin, such as the hands : Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 413°C (775.4°F)

Flash Points: CLOSED CUP: 13°C (55.4°F). OPEN CUP: 18°C (64.4°F).

Flammable Limits: LOWER: 6.2% UPPER: 15.6%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Flammable in presence of open flames and sparks.
Slightly flammable to flammable in presence of oxidizing materials.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
Slightly explosive to explosive in presence of oxidizing materials.

Fire Fighting Media and Instructions:

Flammable liquid, soluble or dispersed in water.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Corrosive liquid.
Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep container dry. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. Never add water to this product In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 10 CEIL: 75 (ppm) from ACGIH (TLV)
TWA: 40 CEIL: 300 (mg/m3) from ACGIHConsult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 98.96 g/mole

Color: Not available.

pH (1% soln/water): Not available.

Boiling Point: 83.5°C (182.3°F)

Melting Point: -35.3°C (-31.5°F)

Critical Temperature: Not available.

Specific Gravity: 1.2351 (Water = 1)

Vapor Pressure: 61 mm of Hg (@ 20°C)

Vapor Density: 3.42 (Air = 1)

Volatility: Not available.

Odor Threshold: 26 ppm

Water/Oil Dist. Coeff.: The product is equally soluble in oil and water; log(oil/water) = 0

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether, n-octanol, acetone.

Solubility:
Easily soluble in methanol, diethyl ether, n-octanol, acetone.
Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.
Acute oral toxicity (LD50): 413 mg/kg [Mouse].
Acute dermal toxicity (LD50): 2800 mg/kg [Rabbit].
Acute toxicity of the vapor (LC50): 1414.2 ppm 4 hour(s) [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified 2B (Possible for human.) by IARC. Classified 2 (Reasonably anticipated.) by NTP.
The substance is toxic to lungs, the nervous system, liver, mucous membranes.

Other Toxic Effects on Humans:
Extremely hazardous in case of ingestion.
Very hazardous in case of inhalation.
Hazardous in case of skin contact (irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Passes through the placental barrier in animal. Excreted in maternal milk in human.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Class 3: Flammable liquid.

Identification: : Ethylene dichloride : UN1184 PG: II

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: 1,2-Dichloroethane
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: 1,2-Dichloroethane
Pennsylvania RTK: 1,2-Dichloroethane

Massachusetts RTK: 1,2-Dichloroethane
TSCA 8(b) inventory: 1,2-Dichloroethane
CERCLA: Hazardous substances.: 1,2-Dichloroethane

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).
CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
CLASS E: Corrosive liquid.

DSCL (EEC):
R11- Highly flammable.
R20/22- Harmful by inhalation and if swallowed.
R38- Irritating to skin.
R41- Risk of serious damage to eyes.
R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:17 PM

Last Updated: 11/06/2008 12:00 PM

Scott Specialty Gases

AIR LIQUIDE

Material Safety Data Sheets
MSDS No: 156-59-2
Date: 03/09/2001

SUPPLIER ADDRESS: 6141 Easton Road, Bldg. 1
PO Box 310
Plumsteadville, PA 18949-0310

EMERGENCY PHONE NUMBER: (215) 766-8861

1. CHEMICAL PRODUCT

PRODUCT NAME: 1,2-DICHLOROETHYLENE (CIS) SYNONYMS: cis-Dichloroethylene

2. COMPOSITION, INFORMATION ON INGREDIENTS

				Exposure Limits (PPM)			
Ingredient Name	Formula	CAS #	Concentration	ACGIH TLV	OSHA PEL	MAC	Other STEL
1,2-DICHLOROETHYLENE (CIS)	C2H2CL2	156-59-2	99+%	200	NE	NE	NE

Note: NE = NONE ESTABLISHED S/A = SIMPLE ASPHYXIANT

3. HAZARD INDENTIFICATION

* * * EMERGENCY OVERVIEW * * *
Flammable liquid and vapor.
Can form explosive mixtures with air.
Can cause irritation to eyes, skin and respiratory tract.

POTENTIAL HEALTH EFFECTS

ROUTES OF ENTRY: Inhalation , Ingestion

ACUTE EFFECTS: Vapor or mist is irritating to the eyes, skin, mucous membrane, and upper respiratory tract. Skin and eye irritation may occur. High concentrations may have a narcotic effect.

CHRONIC EFFECTS: Kidney and liver damage.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: None known

OTHER EFFECTS OF OVEREXPORSURE: None

CARCINOGENICITY (US ONLY):

NTP - No
IARC MONOGRAPHS - No
OSHA REGULATED - No

4. FIRST AID MEASURES

INHALATION: Immediately remove victim to fresh air. If breathing has stopped, give artificial respiration. If

breathing is difficult, give oxygen.

EYE CONTACT: Immediately flush with copious amounts of water for at least 15 minutes.

SKIN CONTACT: Immediately flush with copious amounts of water for at least 15 minutes while removing contaminated clothing.

INGESTION: Never give anything by mouth to an unconscious person. Have conscious and alert person drink 1 to 2 glasses of water. Induce vomiting after victim drinks water.

IN EVENT OF EXPOSURE, CONSULT A PHYSICIAN

NOTE TO PHYSICIAN: None

5. FIRE FIGHTING MEASURES

FLASH POINT: 2 deg.C

AUTOIGNITION TEMPERATURE: 460 deg. C

FLAMMABLE LIMITS: Vol.%

LOWER: 5.6
UPPER: 12.80

EXTINGUISHING MEDIA: Carbon dioxide, foam, or dry chemical.

SPECIAL FIRE FIGHTING INSTRUCTION AND EQUIPMENT: Wear self-contained breathing apparatus and full protective clothing. Keep fire exposed cylinders cool with water spray.

HAZARDOUS COMBUSTION PRODUCTS: Toxic carbon monoxide, hydrogen chloride and phosgene.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Cylinder rupture may occur under fire conditions. Emits toxic fumes under fire conditions. Vapors may travel a considerable distance to the source of ignition and flash back.

6. ACCIDENTAL RELEASE MEASURES

CLEAN UP PROCEDURES: Evacuate and ventilate area. Remove leaking cylinder to exhaust hood or safe outdoor area. Shut off source if possible and remove source of heat. Absorb with sand or vermiculite and place in closed containers for disposal.

SPECIALIZED EQUIPMENT: None

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Secure cylinder when using to protect from falling. Use suitable hand truck to move cylinders. Use only in a well-ventilated area.

PRECAUTIONS TO BE TAKEN IN STORAGE: Store in well ventilated areas. Keep valve protection cap on cylinders when not in use. Store away from oxidizers, combustible materials, and source of ignition or heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide adequate general and local exhaust ventilation to maintain concentrations below exposure and flammable limits.

EYE / FACE PROTECTION: Goggles. A safety shower and eyewash station should be readily available.

SKIN PROTECTION: Wear suitable protective clothing.

RESPIRATORY PROTECTION: Use a self-contained breathing apparatus in case of emergency or non-routine use.

OTHER PROTECTIVE EQUIPMENT: Safety shoes when handling cylinders.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colorless

ODOR: Pleasant aromatic odor

PHYSICAL PRESSURE: Liquid

VAPOR PRESSURE: @41 deg.C: 400 mm Hg

VAPOR DENSITY (AIR=1): 3.34

BOILING POINT (C): 59

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY (H2O=1): @20 deg.C: 1.284

EVAPORATION RATE: N/Av

ODOR THRESHOLD: N/Av

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal storage conditions.

CONDITIONS TO AVOID: Storage in poorly ventilated areas. Storage near a heat source.

MATERIALS TO AVOID: Oxidizing agents, air and moisture. Nitrogen dioxide, sodium, potassium hydroxide.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: HCl gas, phosgene gas, CO and oxides of chlorine.

11. TOXICOLOGICAL INFORMATION

LETHAL CONCENTRATION (LC50): None established

LETHAL DOSE 50 (LD50): N/Ap

TERATOGENICITY: N/Ap

REPRODUCTIVE EFFECTS: N/Ap

MUTAGENICITY: N/Ap

12. ECOLOGICAL INFORMATION

No adverse ecological effects are expected.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of non-refillable cylinders in accordance with federal, state and local regulations. Allow gas to vent slowly to atmosphere in an unconfined area or exhaust hood. If the cylinders are the refillable type, return cylinders to supplier with any valve outlet plugs or caps secured and valve protection caps in place. Waste can be burned in an approved incinerator equipped with an afterburner and scrubber.

14. TRANSPORT INFORMATION

CONCENTRATION: 99+%

DOT DESCRIPTION (US ONLY):

PROPER SHIPPING NAME: Flammable liquids, n.o.s.
HAZARD CLASS: 3 (flammable), Packing Group I
INDENTIFICATION NUMBER: UN1993
REPORTABLE QUANTITIES: 1000 lb.
LABELING: FLAMMABLE LIQUID

ADR / RID (EU Only): Class 3, 3(b)

SPECIAL PRECAUTIONS: Cylinders should be transported in a secure upright position in a well ventilated truck.

15. REGULATORY INFORMATION

OSHA: Process Safety Management: Material is not listed in appendix A of 29 CFR 1910.119 as highly hazardous chemical.

TSCA: Material is listed in TSCA inventory.

SARA: The threshold planning quantity for material is 10,000 lbs.

EU NUMBER: N/Av

NUMBER IN ANNEX 1 OF DIR 67/548: Material is listed in annex 1.

EU CLASSIFICATION: N/Av

R: 22-33-35-64

S: 15-22-23-27-36-65-71-76-104

16. OTHER INFORMATION

OTHER PRECAUTIONS: Protect containers from physical damage. Do not deface cylinders or labels. Cylinders should be refilled by qualified producers of compressed gas. Shipment of a compressed gas cylinder which has not been filled by the owner or with his written consent is a violation of federal law (49 CFR).

ABBREVIATIONS: N/Ap - Not Applicable N/Av - Not Available SA - Simple Asphyxiant NE - None Established

DISCLAIMER: Information included in this document is given to the best of our knowledge, however, no warranty is made that the information is accurate or complete. We do not accept any responsibility for damages by the use of the document.

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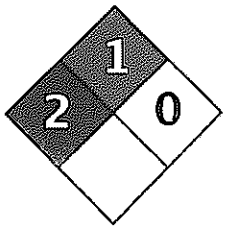
Chemicals & Laboratory Equipment



Health	2
Fire	1
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Trichloroethylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Trichloroethylene

Catalog Codes: SLT3310, SLT2590

CAS#: 79-01-6

RTECS: KX4560000

TSCA: TSCA 8(b) inventory: Trichloroethylene

CI#: Not available.

Synonym:

Chemical Formula: C2HCl3

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Trichloroethylene	79-01-6	100

Toxicological Data on Ingredients: Trichloroethylene: ORAL (LD50): Acute: 5650 mg/kg [Rat]. 2402 mg/kg [Mouse]. DERMAL (LD50): Acute: 20001 mg/kg [Rabbit].

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified A5 (Not suspected for human.) by ACGIH.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
The substance is toxic to kidneys, the nervous system, liver, heart, upper respiratory tract.
Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 420°C (788°F)

Flash Points: Not available.

Flammable Limits: LOWER: 8% UPPER: 10.5%

Products of Combustion: These products are carbon oxides (CO, CO2), halogenated compounds.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the

product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Carcinogenic, teratogenic or mutagenic materials should be stored in a separate locked safety storage cabinet or room.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 50 STEL: 200 (ppm) from ACGIH (TLV)
TWA: 269 STEL: 1070 (mg/m3) from ACGIH
Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 131.39 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 86.7°C (188.1°F)

Melting Point: -87.1°C (-124.8°F)

Critical Temperature: Not available.

Specific Gravity: 1.4649 (Water = 1)

Vapor Pressure: 58 mm of Hg (@ 20°C)

Vapor Density: 4.53 (Air = 1)

Volatility: Not available.

Odor Threshold: 20 ppm

Water/Oil Dist. Coeff.: The product is equally soluble in oil and water; log(oil/water) = 0

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether, acetone.

Solubility:
Easily soluble in methanol, diethyl ether, acetone.
Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity:
Extremely corrosive in presence of aluminum.
Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
Acute oral toxicity (LD50): 2402 mg/kg [Mouse].
Acute dermal toxicity (LD50): 20001 mg/kg [Rabbit].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified A5 (Not suspected for human.) by ACGIH.
The substance is toxic to kidneys, the nervous system, liver, heart, upper respiratory tract.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Passes through the placental barrier in human. Detected in maternal milk in human.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Trichloroethylene : UN1710 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Trichloroethylene
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Trichloroethylene
Pennsylvania RTK: Trichloroethylene
Florida: Trichloroethylene
Minnesota: Trichloroethylene
Massachusetts RTK: Trichloroethylene
New Jersey: Trichloroethylene
TSCA 8(b) inventory: Trichloroethylene
CERCLA: Hazardous substances.: Trichloroethylene

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).
CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R36/38- Irritating to eyes and skin.
R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Last Updated: 11/06/2008 12:00 PM

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Linde Gas

Linde Gas LLC (216) 642-6600
P.O. Box 94737
Cleveland, Ohio 44101
www.us.lindegas.com

MATERIAL
SAFETY
DATA SHEET

No. 155

PRODUCT NAME Vinyl Chloride	CAS # 75-01-4
TRADE NAME AND SYNONYMS Vinyl chloride, inhibited (D.O.T.)	DOT I.D. No.: UN 1086; RQ 1.0 (0.454)
CHEMICAL NAME AND SYNONYMS Vinyl Chloride, Chloroethylene; Chloroethene	DOT Hazard Class: Division 2.1
ISSUE DATES AND REVISIONS Revised january 1995	Formula C_2H_3Cl or CH_2CHC
	Chemical Family: Halogenated Alkene

HEALTH HAZARD DATA

TIME WEIGHTED AVERAGE EXPOSURE LIMIT

TWA = 5 molar ppm with an A1 Carcinogen Rating (ACGIH 1994-1995). Al is a confirmed human carcinogen. OSHA 1993. 1910.1017, 8 Hr. TWA = 1 Molar PPM (Continued on Page 4)

SYMPTOMS OF EXPOSURE

Inhaling high concentrations causes mild symptoms of drowsiness, blurred vision, staggering gate and tingling and numbness in the extremities.

Liquid vinyl chloride may cause severe irritation or burns on skin or eye contact.

TOXICOLOGICAL PROPERTIES

Several workers who handled and used vinyl chloride developed a rare form of liver cancer.

IARC, NTP and OSHA all list vinyl chloride as a carcinogen.

Persons in ill health where such illness would be aggravated by exposure to vinyl chloride should not be allowed to work with or handle this product.

RECOMMENDED FIRST AID TREATMENT

PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE TO VINYL CHLORIDE. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS AND BE COGNIZANT OF EXTREME FIRE AND EXPLOSION HAZARD.

Inhalation: Conscious persons should be assisted to an uncontaminated area and inhale fresh air. Quick removal from the contaminated area is most important. Unconscious persons should be moved to an uncontaminated area, given assisted respiration and supplemental oxygen. Further treatment should be symptomatic and supportive.

(Continued an Page 4)

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

Vinyl chloride polymerizes on exposure to sunlight, heat or in the presence of oxygen or air. The addition of phenol or hydroquinone inhibits the polymerization. It is flammable in air.

PHYSICAL DATA

BOILING POINT 7.3°F (-13.7°C)	LIQUID DENSITY AT BOILING POINT 60.6 lb/ft³ (971 kg/m³)
VAPOR PRESSURE @ 70°F (21.1°C) = 52 psia (360 kPa)	GAS DENSITY AT 70°F, 1 atm @ 77°F (25°C) = .164 lb/ft³ (2.63 kg/m³)
SOLUBILITY IN WATER Slightly Soluble	FREEZING POINT -244.8°F (-153.8°C)
EVAPORATION RATE N/A (Gas)	SPECIFIC GRAVITY (AIR=1) @ 77°F (25°C) = 2.22
APPEARANCE AND ODOR Colorless gas with a pleasant, sweet odor	

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) -108°F (CC)	AUTO IGNITION TEMPERATURE 882°F (472°C)	FLAMMABLE LIMITS % BY VOLUME (See Page 4) LEL 3.6 UEL 33
EXTINGUISHING MEDIA Water, dry chemical, carbon dioxide		ELECTRICAL CLASSIFICATION Class 1, Group Not Specified

SPECIAL FIRE FIGHTING PROCEDURES
Attempt to stop the flow of vinyl chloride. Use water spray to cool surrounding containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Vinyl chloride vapors are heavier than air and may travel a considerable distance to a source of ignition. Should fire be extinguished and flow of gas continue, increase ventilation to prevent formation of flammable mixtures in low areas or pockets.

REACTIVITY DATA

STABILITY Unstable		CONDITIONS TO AVOID None
Stable	X	

INCOMPATIBILITY (Materials to avoid) Oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS None

HAZARDOUS POLYMERIZATION May Occur	X	CONDITIONS TO AVOID It is inhibited with phenol or hydroquinone to prevent polymerization.
Will Not Occur		

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Evacuate all personnel from affected area. Use appropriate protective equipment. If leak is in user's equipment, be certain to purge piping with an inert gas prior to attempting repairs. If leak is in container or container valve, contact your closest supplier location or call the emergency telephone number listed herein.

WASTE DISPOSAL METHOD
Do not attempt to dispose of waste or unused quantities. Return in the shipping container properly labeled, with any valve outlet plugs or caps secured and valve protection cap in place to your supplier. For emergency disposal assistance, contact your closest supplier location or call the emergency telephone number listed herein.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)	Positive pressure air line with mask or self-contained breathing apparatus should be available for emergency use.	
VENTILATION Hood with forced ventilation	LOCAL EXHAUST To prevent accumulation above the TWA	SPECIAL N/A
	MECHANICAL (Gen.) In accordance with electrical codes	OTHER N/A
PROTECTIVE GLOVES Most materials except natural rubber		
EYE PROTECTION Safety goggles or glasses		
OTHER PROTECTIVE EQUIPMENT Safety shoes, safety shower, eyewash "fountain," transparent face shield		

SPECIAL PRECAUTIONS*

SPECIAL LABELING INFORMATION

DOT Shipping Name: Vinyl chloride, inhibited	I.D. No.:	UN 1086; RQ 1.0(0.454)
DOT Shipping Label: Flammable Gas	DOT Hazard Class:	Division 2.1

SPECIAL HANDLING RECOMMENDATIONS

Use only in well-ventilated areas. Valve protection caps must remain in place unless container is secured with valve outlet piped to use point. Do not drag, slide or roll cylinders. Use a suitable hand truck for cylinder movement. Use a pressure reducing regulator when connectinn cylinder to lower pressure (<150 psiq) pipinq or systems. Do not heat cylinder by any means to increase tne discharge rate of product from the cylinder. Use a check valve or trap in the discharge line to prevent hazardous back flow into the cylinder.

For additional handling recommendations, consult Compressed Gas Association's Pamphlets I P-1 and P-10.

SPECIAL STORAGE RECOMMENDATIONS

Protect cylinders from physical damage. Store in cool, dry, well-ventilated area of noncombustible construction away from heavily trafficked areas and emergency exits.

Do not allow the temperature where cylinders are stored to exceed 125F (52C). Cylinders should be stored upright and firmly secured to prevent falling or being knocked over. Full and empty cylinders should be segregated. Use a "first in - first out" inventory system to prevent full cylinders beins stored for excessive periods of time. Post "No Smoking or Open Flames" signs in the storage or use area. There should be no sources of ignition in the storage or use area.

For additional storage recommendations, consult Compressed Gas Association's Pamphlet P-1 and P-10.

SPECIAL PACKAGING RECOMMENDATIONS

Most metals except copper and its alloys may be used with vinyl chloride. Copper and its alloys could form explosive acetylides by reacting with the acetylene impurity in the product.

Teflon® is the preferred gasketing material.

OTHER RECOMMENDATIONS OR PRECAUTIONS

Earth-ground and bond all lines and equipment associated with the vinyl chloride system. Electrical equipment should be non-sparking or explosion proof. Compressed gas cylinders should not be refilled except by qualified producers of compressed gases. Shipment of a compressed gas cylinder which has not been filled by the owner or with his (written) consent is a violation of federal Law (49CFR).

(Continued on Page 4)

*Various Government Agencies (i.e. Department of Transportation, Occupational Safety and Health Administration, Food and Drug Administration and others) may have specific regulations concerning the transportation, handling, storage or use of this product which will not be reflected in this data sheet. The customer should review these regulations to ensure that he is in full compliance.

HEALTH HAZARD DATA

TWA DATA: (continued)

(<5 Molar PPM averaged over any period not exceeding 15 minutes) with the prohibition of any personal direct contact with vinyl chloride liquid and it is classified as a cancer suspect agent.

RECOMMENDED FIRST AID TREATMENT: (Continued)

Eye Contact: PERSONS WITH POTENTIAL EXPOSURE TO VINYL CHLORIDE SHOULD NOT WEAR CONTACT LENSES.

Flush contaminated eye(s) with copious quantities of water. Part eyelids with fingers to assure complete flushing. Continue for minium of 15 minutes. An eye specialict should be summoned promptly.

Skin Contact: Flush affected areas with copious quantities of water. Remove affected clothing as rapidly as possible. A physician should see the patient. Follow the water flush with a soap and water wash.

SPECIAL PRECAUTIONS

OTHER RECOMMENDATIONS OR PRECAUTIONS: (Continued)

Always secure cylinders in an upright position before transporting them. Never transport cylinders in trunks OT vehicles, enclosed vans, truck cabs or in passenger compartments. Transport cyclinders secured in open flatbed or in open pick-up type vehicles.

Vinyl chloride is a toxic chemical and it is subject to the reporting requirements of SARA, Title III, Section 313.

APPENDIX D

Site Map

Legend

= Proposed Sub-Slab Depressurization System area

N

APEX

155 Tri-County Parkway, Suite 250, Cincinnati, Ohio 45246

Southside Plaza
704-744 Foote Avenue
Jamestown, NY 14701

Figure 1: Proposed Sub-Slab Vapor Sampling Locations and SSDS Location

APPENDIX E

Daily Tailgate Safety Meeting Logs

DAILY TAILGATE SAFETY MEETING FORM

Instructions:

- **Conduct a Daily Tailgate Safety Meeting with site personnel prior to commencing daily activities. Safety topics can be selected from the attached table.**
- **Address potential hazards and controls for tasks that will be conducted.**
- **Discuss air monitoring, training, PPE and other appropriate requirements.**
- **Follow-up on noted items and document the resolution of any action items.**

Date: _____

Meeting conducted by: _____

Project/Site: _____

Safety topics/information reviewed: _____

_____

_____

_____

_____

_____

Follow-up action items/comments: _____

_____

_____

_____

_____

_____

Attendance:

NAME	SIGNATURE	COMPANY/AGENCY/OTHER ORG.

DAILY TAILGATE SAFETY MEETING TOPICS GUIDE

1. ACCIDENT REPORTING
2. AIR MONITORING
3. AIR MONITORING AND ACTION LEVELS
4. ALCOHOL CONSUMPTION AND WORKSITE SAFETY
5. COLD STRESS
6. CONFINE SPACE ENTRY
7. CRANE SAFETY
8. DAILY WORK TASK HAZARDS
9. DECONTAMINATION
10. DISCIPLINARY POLICY FOR NOT FOLLOWING SAFETY RULES/SAFE WORK PRACTICES
11. DRILL RIG SAFETY
12. ELECTRICAL SAFETY
13. EMERGENCY RESPONSE
14. ERGONOMICS
15. EXCAVATION/TRENCHING HAZARDS
16. EYE WASH STATION LOCATION (S)
17. FALL PROTECTION
18. FIRE SAFETY/BONDING-GROUNDING TECHNIQUES
19. FIRST AID/CPR
20. FUGITIVE DUST CONTROL
21. GENERAL SITE SAFETY RULES
22. HAND TOOL HAZARDS
23. HAZARD COMMUNICATION/LOCATION OF MSDS/REVIEW OF HAZMAT PROPERTIES
24. HEALTH AND SAFETY PLAN
25. HEARING PROTECTION
26. HEAT STRESS
27. HEAVY MACHINERY
28. HOSPITAL DIRECTIONS
29. HOUSEKEEPING
30. MATERIAL HANDLING
31. MECHANICAL HAZARDS/GUARDING/LOTO
32. OVERHEAD HAZARDS
33. PERSONAL PROTECTIVE EQUIPMENT
34. RESPIRATORY PROTECTION AND FILTER CHANGE-OUT SCHEDULE
35. ROLES AND RESPONSIBILITIES
36. SITE SECURITY
37. SMOKING AND BREAK AREAS
38. TANK REMOVAL SAFETY
39. UNDERGROUND UTILITIES
40. USE OF “BUDDY SYSTEM”

41. **VAPOR CONTROL**
42. **WATER HAZARDS**
43. **WELDING SAFETY**
44. **WORK STOPPAGE**

APPENDIX F

Apex Incident Report Form

APEX INCIDENT REPORT

This Apex Incident Report (AIR) Form is to be completed by the Apex employee experiencing any of the incident types listed on this form. This form is to be completed for motor vehicle accidents/incidents involving personal or rented/leased vehicles, environmental incidents, injuries or illness, fires, property damage, thefts, community complaints, utility interruptions and other incidents deemed important for review by Apex management. All near miss incidents are to be reported using the separate Near Miss Report Form.

The AIR must be submitted within 24 hours. (You can hit F1 on some of the fields and a help box will appear.)

☐ MOTOR VEHICLE

Injury involved? ☐Yes ☐No

Please complete this block prior to submitting for Motor Vehicle accidents and describe the incident and corrective actions in the space provided at the end of this report. If injury is involved, please complete the Injury section of this report.

☐ Apex company vehicle ☐ Personal vehicle ☐ Rental vehicle

Rental company notified? ☐ Yes ☐ No ☐ NA Please attach copy of the rental agreement.

Vehicle Year/Make/Model: _____ VIN number _____

Was another vehicle involved? ☐ Yes ☐ No

Other driver's name: _____ License plate # _____

Other driver's insurance: _____ Policy # _____

Police report filed? ☐ Yes ☐ No Police report # _____

Police dept. name: _____ Police dept. phone: _____

Location of accident: _____

City _____ State __

Date of accident: _____ Time of accident: _____ Time you began work today:: _____

Witness name: _____ Telephone # _____

Witness name: _____ Telephone # _____

Email addresses if available _____

***Attach witness statement if possible *Attach police report if available *Attach photos if available**

☐ PROPERTY DAMAGE ☐ THEFT

Please complete this block prior to submitting for Property Damage and Theft and describe the incident and corrective actions in the space provided at the end of this report.

Property description: _____ Estimated value: _____

Police report must be filed for all thefts over $200. ☐ Yes ☐ No Police report # _____

Police dept. name: _____ Police dept. phone: _____

Location of accident: _____

City _____ State __

Date of damage/theft: _____ Time of damage/theft: _____ Time you began work today: _____

☐ **INJURY** **Please complete this block prior to submitting for Injuries and describe the incident and corrective actions in the space provided at the end of this report.**

☐ Treated at ER ☐ Non emergency ☐ Self/No treatment needed

Date of treatment or admitted: _____ Admitted to hospital? ☐ Yes ☐ No

Name of medical facility: _____ Telephone # _____
Medical facility address: _____

Injury involve a subcontractor: ☐ Yes ☐ No Sub employee name: _____
Sub company name: _____
Contact info for sub: _____

Describe injury (body part): _____
Location of incident: _____
City _____ State __
Date of accident: _____ Time of accident: _____ Time you began work today: _____

Witness name: _____ Telephone # _____
Email addresses if available _____
**Attach witness statement if possible*

**** Include (or forward to HR) all hospital and doctor paperwork. (i.e. hospital discharge papers; work release form; prescriptions)***

Please complete this block prior to submitting for other types of incidents and describe the incident and corrective actions in the space provided at the end of this report.

****Note- All near miss incidents are to be reported using the separate Near Miss Report Form.***

☐ Utility interruption ☐ Environmental ☐ Fire ☐ Other

☐ Community complaint ☐ Subcontractor
Subcontractor company name/contact info: _____
Subcontractor employee name: _____

Location of accident: _____
City _____ State __
Date of accident: _____ Time of accident: _____ Time you began work today: _____

DESCRIBE THE INCIDENT AND CONTRIBUTING FACTORS:

_____

CORRECTIVE MEASURES OR RECOMMENDED ACTIONS:

_____

***All information must be completed!**

EMPLOYEE INFORMATION

Apex employee name: _____ Apex employee ID # _____
Additional employee involved: _____
Apex office location: _____ Division #: __
Today's Date: _____

I certify that the information submitted by me is true and correct, and I understand that providing false information is grounds for disciplinary action up to and including termination of employment.

Any person who knowingly, and with intent to defraud, any insurance company, files a statement of claim containing any false information, or conceals, for the purpose of misleading, information concerning any fact material thereto, commits a fraudulent insurance act, which is a crime.

Sending this email meets the signature requirements for reporting.

Email to: incidents@apexcos.com

If you do not have access to email you may fax the incident report form to:

Manager, Corporate Health & Safety
Hal Heckman - hheckman@apexcos.com
Phone: 610-722-9050 x 216
Fax: 610-722-9010

Please note, the incident report form is the tool used to track and follow property damage claims, insurance claims, worker's compensation claims, statistical data required for report purposes, and the OSHA requirement for certain incidents.

APPENDIX B

SSDS Maintenance Checklist

Sub-Slab Depressurization System Maintenance Checklist

Southside Station Inc. 704-744 Foote Avenue, Jamestown, New York

Inspector Name: _____ Date:_____

System Component Inspection				
Is the Vent Fan Operational?		Yes		No
Are the Manometers reading a vacuum?		Yes		No
Is the Vacuum reading around 0.5 water column inches (wci) on the manometer?		Yes		No
Is all system piping in good condition with no visible cracks or evidence of damage?		Yes		No
Are all system components labeled properly to avoid accidental damage during remodeling/demolition?		Yes		No
Is contact information on labels up to date?		Yes		No
Have any air intakes been installed within 10 feet of the SSDS discharge point?		Yes		No
Describe if any:				
Concrete Floor Inspection				
Has the concrete floor of the tenant space cracked since the previous inspection?		Yes		No
Note location if any:				
Has any exposed crack sealant cracked or become unglued?		Yes		No
Explain:				
Has the sealant around the sump cavities cracked or become unglued?		Yes		No
Explain:				

Have any utilities been installed into or removed from the concrete floor since the previous inspection		Yes		No
Explain:				
Tenant Interview				
Is the system too noisy or have new noises developed?		Yes		No
Describe new noises and where located.				
Any indoor air quality issues noted? (new smells/odors)		Yes		No
Describe:				
Any comments or observations from the tenant about the system operation.				
Site Conditions				
Any changes in tenant space occupants?		Yes		No
Describe:				
Any changes in tenant space construction?		Yes		No
Describe:				
Any changes in HVAC system?		Yes		No
Describe:				

Please forward completed annual inspection form to Apex Companies, 155 Tri-County Parkway, Suite 250, Cincinnati, Ohio 45246. Fax (513) 771-3723.

May 1, 2013

Southside Station Inc.
c/o Phillips Edison & Company Ltd.
Attn: Mr. Mike Leik
11501 Northlake Drive
Cincinnati, Ohio 45249

Re: Sub-Slab Depressurization System Installation Report
Southside Plaza
704-744 Foote Avenue
Jamestown, New York 14701

Dear Mr. Leik,

Apex Companies, LLC (Apex) is pleased to provide Southside Station Inc. with this report documenting the installation of the sub-slab depressurization system (SSDS) at Southside Plaza, 704-744 Foote Avenue, Jamestown, New York (Site).

SUB-SLAB DEPRESSURIZATION SYSTEM

On February 26 and 27, 2013, an Apex associate was onsite to oversee the installation of a SSDS at the Site. The system was installed along the southern boundary of the property within the existing Tops Markets tenant space. All installation activities were performed in conformance with the New York State Department of Health (NYSDOH) document, "Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006". The SSDS Construction Completion Report (CCR) submitted by Apex's SSDS contractor, Mitigation Tech, documenting the installation of the system, is provided in Attachment A. Photographic documentation of the installed SSDS system is provided in Attachment B.

SSDS Objective

The objective of the SSDS installation was to mitigate the potential vapor intrusion of dry cleaning solvent vapors at the Site. The SSDS was installed in the Tops Market along the southern boundary of the property and north of the former location of the Anderson Cleaners and Whirley-Wash Drycleaners historically located on the adjoining Southside Foote Avenue Plaza (SFAP). The design of the SSDS was to create a negative pressure of at least 0.004 water column inches (wci) within the radius of influence of the system beneath the concrete slab

of the building along the southern boundary of the Site and along the northern boundary of the SFAP property. This amount of negative pressure (vacuum) should be sufficient to capture vapors beneath the slab and redirect them through the system piping, prior to their potential intrusion into the building.

SSDS Construction Details

The installation of the SSDS involved the construction of three suction cavities through the concrete floor slab of the Tops Market along the southern property boundary. The suction cavities consisted of approximately one cubic foot of excavated space beneath the concrete slab of the tenant space, accessed through a 5-inch diameter hole drilled through the floor slab. Suction cavities were connected with 3-inch, schedule 40 polyvinyl chloride (PVC) piping, mounted against existing walls within the Tops Market and manifolded together to a horizontal PVC pipe above the ceiling trusses. Penetrations in the concrete floor slab were sealed with a flexible caulk to ensure a proper seal from the surface. All piping was secured to the walls and ceiling with metal hardware. The locations of all suction cavities and SSDS components are shown on the SSDS Map provided as Figure 1. Any floor cracks or other slab penetrations in the concrete floor slab were inspected for air leakage and polyurethane sealant was applied where necessary.

A vacuum fan was mounted to the manifolded piping ten feet above surface grade on the outside southwest wall of the Tops Market. The fan model is a RADONAWAY GP-501, creating a vacuum of approximately 1 water column inch (wci) in the SSDS system and is rated to remove 90 cubic feet per minute (CFM) from the sub-slab. Specifications for the GP-501 fan are provided in Attachment C. A U-tube style manometer, used to measure vacuum in the system, is mounted to the vertical piping at suction point #3 located immediately west of the produce cooler within the Tops Market. Upon installation of the system, the vacuum reading on the manometer was 1.3 wci. This manometer will be periodically inspected to ensure that the vacuum is maintained in the system. Should the indicated vacuum level drop significantly on the manometer from the initial installed reading of 1.3 wci, Apex should be notified immediately.

SSDS Performance Testing

Upon installation of the SSDS system, initial performance testing was conducted to verify the systems effectiveness. Four test points, labeled TP-1 through TP-4, were drilled through the concrete slab of the Tops Market north of the SSDS. Test points were 5/8-inch holes drilled through the concrete slab, cleaned out by vacuuming, and semi-permanently closed with a closed-cell backer rod and polyurethane sealant, pending testing. These test points were located at sufficient distances from the three suction cavities to evaluate the entire area beneath the concrete slab being depressurized. Additional performance testing was performed by Apex on March 15, 2013 in response to a request by the New York State Department of

Environmental Conservation (NYSDEC). Test points for the additional performance testing included the four post-installation test point locations, TP-1 through TP-4, as well as previously installed sub-slab vapor points, SS-1 through SS-3 and SS-6 through SS-9. Test point locations are shown on the SSDS Test Point Location Map provided as Figure 2.

The vacuum influence from the SSDS system was tested beneath the concrete slab at each of these test point and sub-slab vapor point locations. A digital manometer was used to measure the vacuum at each test point and sub-slab vapor point to determine the radius of influence of the SSDS. Vacuum testing results from the test points are provided in Table 1 and are shown on the SSDS Radius of Influence Map provided as Figure 3. Test results ranged from 0.001 to 0.017 wci with an average of 0.006 wci of vacuum across the radius of influence of the SSDS. Therefore, it is Apex's opinion that the SSDS is providing a sufficient vacuum to mitigate the potential vapor intrusion of dry cleaning solvent vapors at the Site and on the adjoining SFAP property.

Indoor Air Sampling

Apex returned to the site on April 2, 2013 to collect indoor air and outdoor air samples at the Tops Market and inside two tenant spaces on the adjoining SFAP property. The indoor air and outdoor air sampling locations are shown on the Indoor and Outdoor Air Sample Location Map provided as Figure 4. Indoor and Outdoor Air samples were collected over an eight (8) hour period using batch-certified clean Summa® canisters equipped with appropriate flow controllers. Samples were considered representative when pressure within the Summa® canister dropped from an initial reading of approximately 30 inches Hg to less than 10 inches Hg. The Summa® canisters were shipped to Columbia Analytical Services, part of ALS Group, in Rochester, NY for analysis of volatile organic compounds (VOCs) using USEPA Method TO-15. The laboratory analytical report and chain-of-custody documentation is provided in Attachment D. Analytical results are presented in Table 2.

Analytical results show that tetrachloroethene (PCE), a typical drycleaning chemical, was detected in all of the indoor air samples above laboratory detection limits. The highest detection of PCE was in the indoor air sample collected from the Salon 1 Nail Salon, the location of the suspected former off-site drycleaner, Anderson Cleaners and Whirley-Wash Drycleaners. However, none of the detected indoor air concentrations of PCE exceed the corresponding NYSDOH NFA Guidance Action. Carbon tetrachloride (CT) was the only other VOC detected in the indoor and outdoor samples and was detected in all five samples collected. However, the detected concentrations of CT were well below the corresponding NYSDOH NFA Guidance Action. Apex will collect another round of indoor and outdoor air samples from the Site in July 2013.

Annual Operation and Maintenance

As is stated in the NYSDOH October 2006 Guidance, Section 4.4.1; "Routine maintenance should commence within 18 months after the system becomes operational, and should occur every 12 to 18 months thereafter". As such, Apex recommends the following annual operation and maintenance procedures for the installed SSDS system.

1) Apex recommends conducting a visual inspection of all system components, including the vent fans, piping, U-tube style manometer, and labeling, to ensure that no components appear damaged or in need of replacement or repair.

2) Apex recommends that an inspection of the concrete floor slab, which is influenced by the vacuum of the SSDS, be performed to ensure that no cracks or penetrations have been introduced through the slab, thus short circuiting the system.

3) Apex recommends inspecting all system components for condition and proper operation.

4) Apex recommends performing a smoke test at any identified concrete floor cracks, floor joints and at the suction points to determine any vacuum leakage from the system. Apex recommends that the smoke test be performed in accordance with Sections 4.3.1(a) and 4.3.4(a) of the NYSDOH October 2006 Guidance.

5) Apex recommends verifying that no air intakes have been installed post-installation of the SSDS system within 10 feet of the SSDS exhaust point in accordance with Section 4.2.2(c)(6)(iv) of the NYSDOH October 2006 Guidance.

6) In accordance with Section 4.4.1 of the of the NYSDOH October 2006 Guidance, Apex recommends that pressure field extension testing be performed annually to ensure the system is maintaining the vacuum beneath the former drycleaner and adjoining tenant space concrete slabs.

7) Apex recommends interviewing tenant space occupants regarding observations and comments on the operation of the SSDS system.

REPORT LIMITATIONS

Implementation or use of the recommendations in this report does not assure the elimination of present or future liability or the fulfillment of the property owner's obligations under local, state or Federal laws. This report is prepared for the benefit of Southside Station Inc. and may not be relied upon by any other person or entity.

Please feel free to call us with any questions that you may have.

Sincerely,
Apex Companies, LLC

Adam Flege, P.G.
Senior Geologist

Jeff Lower, P.E.
Senior Project Manager

Figures
Tables
Attachments

FIGURES

Legend

- = Sub-Slab Vapor (SS) Sample Location
- = Suction Point (SP) Location
- = Test Point (TP) Location
- = Approximate Sub-Slab Depressurization System Piping Location
- = Approximate Property Boundary

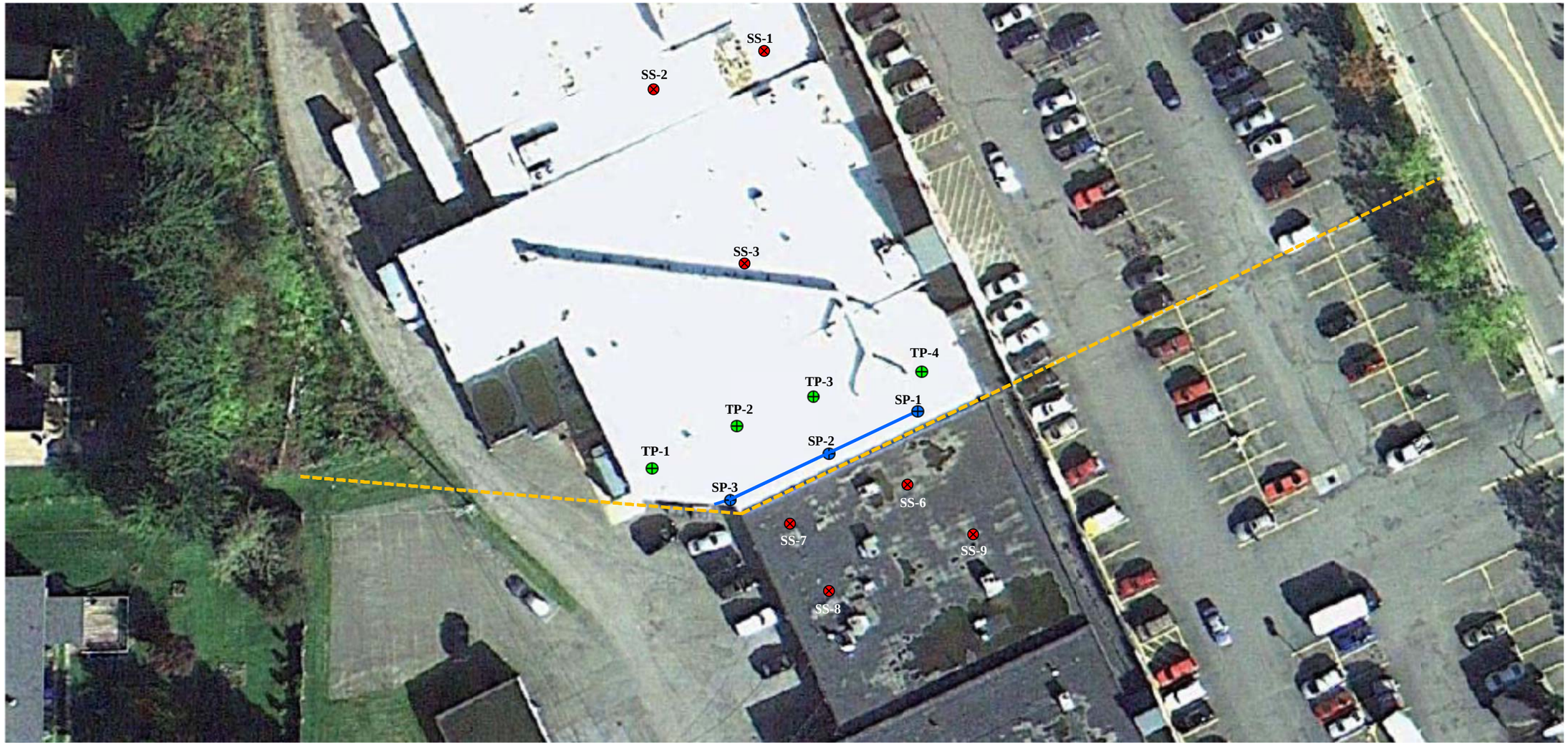
N

APEX

155 Tri-County Parkway, Suite 250, Cincinnati, Ohio 45246

Southside Plaza
704-744 Foote Avenue
Jamestown, NY 14701

Figure 1:
Sub-Slab Depressurization System Map



Legend

- = Sub-Slab Vapor (SS) Sample Location
- = Suction Point (SP) Location
- = Test Point (TP) Location
- = Approximate Sub-Slab Depressurization System Piping Location
- = Approximate Property Boundary

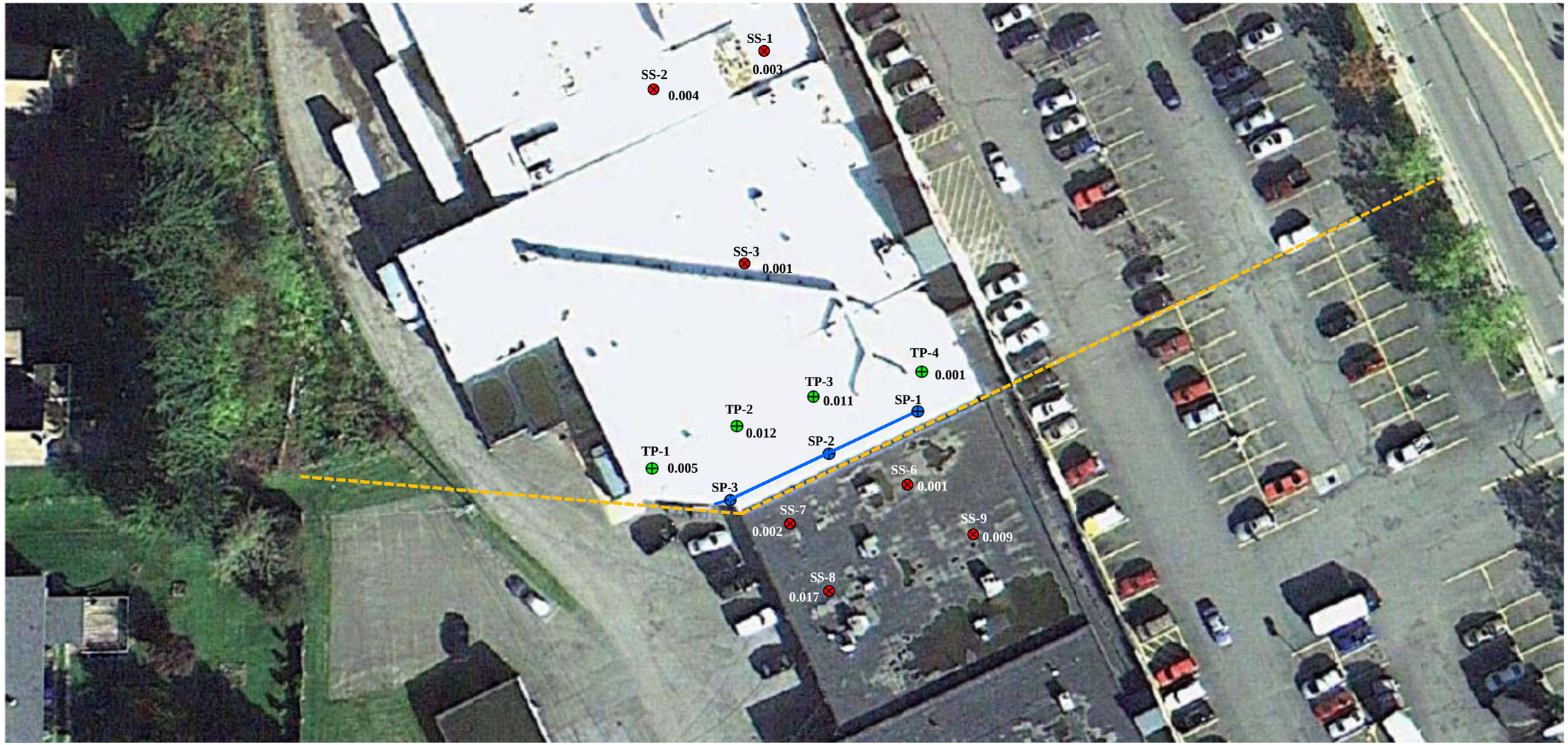
N

APEX

155 Tri-County Parkway, Suite 250, Cincinnati, Ohio 45246

Southside Plaza
704-744 Foote Avenue
Jamestown, NY 14701

Figure 2:
SSDS Test Point Location Map



Legend

= Sub-Slab Vapor (SS) Sample Location
= Suction Point (SP) Location
= Test Point (TP) Location
= Approximate Sub-Slab Depressurization System Piping Location
= Approximate Property Boundary

N

APEX

155 Tri-County Parkway, Suite 250, Cincinnati, Ohio 45246

Southside Plaza
704-744 Foote Avenue
Jamestown, NY 14701

Figure 3
SSDS Radius of Influence Map

Legend

- = Sub-Slab Vapor (SS) Sample Location
- = Suction Point (SP) Location
- = Test Point (TP) Location
- = Indoor and Outdoor Air Sample Locations
- = Approximate Sub-Slab Depressurization System Piping Location
- = Approximate Property Boundary

N

APEX

155 Tri-County Parkway, Suite 250, Cincinnati, Ohio 45246

Southside Plaza
704-744 Foote Avenue
Jamestown, NY 14701

Figure 4:
Indoor and Outdoor Sample Location Map

TABLES

Table 1
SSDS Radius of Influence

Southside Plaza
704-744 Foote Avenue
Jamestown, New York

Test Type	**Test Points**				**Sub-Slab Vapor Points**						
Test Date	**3/15/2013**	**3/15/2013**	**3/15/2013**	**3/15/2013**	**3/15/2013**	**3/15/2013**	**3/15/2013**	**3/15/2013**	**3/15/2013**	**3/15/2013**	**3/15/2013**
Test Location	TP-1	TP-2	TP-3	TP-4	SS-1	SS-2	SS-3	SS-6	SS-7	SS-8	SS-9
Manometer Vacuum Reading (wci)[a]	0.005	0.012	0.011	0.001	0.003	0.004	0.001	0.001	0.002	0.017	0.009

Notes :
a. wci - Water Column Inches of vacuum.

Table 2
Indoor and Outdoor Air Analytical Results

Southside Plaza
704-744 Foote Avenue
Jamestown, New York

Sample Type	**Indoor and Outdoor Air Samples Concentrations (µg/m3)**					**NYSDOH Guidance Action* (µg/m^3)**		
Sample Date	**4/2/2013**	**4/2/2013**	**4/2/2013**	**4/2/2013**	**4/2/2013**			
Analyte	**IA-1**	**IA-2**	**IA-3**	**IA-4**	**OA-1**	**NFA****	**Monitor**	**Mitigate**
1,1-dichloroethene	<0.66	<0.79	<3.1	<0.64	<0.61	< 100	100 to < 1,000	≥ 1,000
1,1,1-Trichloroethane	<0.90	<1.1	<4.2	<0.87	<0.83	< 100	100 to < 1,000	≥ 1,000
carbon tetrachloride	0.71	0.67	0.58	0.52	0.56	< 50	50 to < 250	≥ 250
cis-1,2-dichloroethene	<0.66	<0.79	<3.1	<0.64	<0.61	< 100	100 to < 1,000	≥ 1,000
tetrachloroethylene	1.3	1.3	18	0.45	<0.11	< 100	100 to < 1,000	≥ 1,000
trichloroethylene	<0.090	<0.11	<0.42	<0.087	<0.083	< 50	50 to < 250	≥ 250
vinyl chloride	<0.090	<0.11	<0.42	<0.087	<0.083	< 50	50 to < 250	≥ 250

Notes :
Bold - Results detected above laboratory detection limits.
* New York State Department of Health Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 and
** NFA = No Further Action

ATTACHMENT A

Sub-Slab Depressurization System
Construction Completion Report

March 28, 2013

Mr. Adam Flege
APEX Companies, LLC
155 Tri-County Parkway
Suite 250
Cincinnati, OH 45246
Via email: *aflege@apexcos.com*

Re: Southside Plaza, Jamestown NY
Construction of sub-slab depressurization system

CONSTRUCTION COMPLETION REPORT

1. OVERVIEW

This document presents a construction report, performance evaluation and O&M advice for the sub-slab depressurization (SSD) system installed by *Mitigation Tech* at Southside Plaza, 740-744 Foote Avenue, Jamestown, NY as commissioned February 27, 2013.

The subject area is the southern portion of the building occupied by Topps Market, specifically the interior portion border the separately owned adjacent building to the south. Based on an analysis of sub-slab air communication data and a general building assessment, a manifolded SSD System was installed using principles and equipment typically used for radon mitigation in buildings. The primary objective of implementing this preemptive measure was to mitigate potential intrusion of vapors that could migrate into occupied space from beneath the slab. This would be achieved by maintaining a negative pressure below the slab relative to the air pressure above the slab. All work is in compliance with the NYS DOH document, "Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006".

2. BUILDING ASSESSMENT

Prior to construction, *Mitigation Tech* conducted a site visit for the purpose of building assessment, collection of sub-slab air communication data and system design. Significant finding was that sub-slab air flow testing indicated poor to fair porosity, suggesting suction cavity configuration based on a 15'-20' radius of influence.

Work began with an analysis of appropriate locations for fan, suction cavities and other SSD system components. Both for physical protection and minimum impact on active use areas, riser pipes were installed on existing columns or on permanent walls; horizontal pipe was installed as close to the ceiling as possible, or in the case of the easternmost point, behind a cooler for aesthetic reasons. Work was coordinated with tenant to minimize disturbance of work areas, relocate obstacles and control dust. Vacuum and air flow measurements were performed continuously during construction to ensure integrity of design. Various fans were evaluated in place to determine the

most effective configuration. At commissioning, all components inspected for condition and proper operation. Premises left in clean condition.

3. SUB-SLAB DEPRESSURIZATION SYSTEM GENERAL DESCRIPTION

3.1. Introduction. The system consists of a sidewall mounted fan manifolded to three vapor extraction points. The system was constructed using principles and equipment typically used for radon mitigation in buildings as detailed in the United States Environmental Protection Agency (EPA) EPA 402-K-03-007 (May 2006), and the final NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006). The SSD system was installed as a permanent, integral addition to the structure. The key components of the SSD system are described below.

3.2. Suction Points. The location of each suction point (vapor extraction point) is shown on the attachment to this document. Each suction point consists of a 5" core boring into the slab to a depth of 1', through which appx. 1 cubic feet of sub-slab material has been removed. Mechanically suspended Schedule 40 3" PVC pipe has been inserted into the boring and sealed with urethane sealant. .

3.3. Riser Piping. The riser piping consists of 3" schedule 40 PVC pipe that follows a route from the extraction point to a manifold then to an exterior mounted vacuum fan, through a sidewall penetration. Weatherproof flashing or sealant has been applied to all penetrations. Vent pipes were installed at a pitch that ensures that any rainwater or condensation within the pipes drains downward into the ground beneath the slab. Piping is independently supported, and not supported from existing building mechanical systems. Piping is labeled at each level as "Sub-Slab Vent" with column designation.

3.4. Exhaust Fan. Exhaust fans consist of (1) RADONAWAY GP-501 centrifugal fan. Fan consumes approximately 150w of electricity respectively, and was field selected for efficiency and minimum maintenance. Fan has an adjacent disconnect switch connected to a circuit in the vicinity; hookup performed by a Chatauqua County Licensed electrical contractor. Fan is mounted with rubber Fernco couplings, for simplified replacement.

3.5. Instrumentation and Control. There is no centralized instrumentation or control for the SSD System. The fan can be switched from the exterior fan positioned disconnect. The system is equipped with a vacuum indicator mounted in a visible location on the western riser pipe. The indicator consists of an oil filled U-tube style manometer. The indicator is inspected by observing the level of colored fluid. This indicator is designed primarily to give a simple visual check that vacuum is present in the riser pipe, specifically by observation that the fluid levels on each side of the indicator are not even. Indicator is marked at level observed on February 27, 2013.

3.7. Sealing measures. Polyurethane sealants and mechanical barriers have been applied to floor cracks, slab penetrations and other openings to enhance the barriers between sub-slab and ambient air and improve the efficiency of the SSD System. Sealant has been applied primarily in the vicinity of suction points and at cracks in concrete bases of columns.

3.6. Monitoring Points. There are 4 sub-slab vacuum test points, as shown on the included. These consist of ¾" drill points through the slab into which a digital micromanometer probe can be inserted. They are semi-permanently closed with closed cell backer rod and polyurethane sealant. These were established to aid in original system design and confirmatory testing. The primary future use is in annual recertification of system effectiveness.

3.7. PERFORMANCE EVALUATION

(Measurement date – February 27, 2013) In order to verify system effectiveness and as a performance evaluation, test points were established at various distances from the suction cavities suitable to determine that the sub-slab of the entire subject area was being depressurized at least to the objective, as shown in the following table: (locations per schematic)

Test Point	Vacuum in negative wci
1	.003
2	.014
3	.015
4	.001

Manometer mounted on riser: **1.3 wci**

4. SUB-SLAB DEPRESSURIZATION SYSTEM OPERATION

4.1. The fan should be kept in continuous operation. New York State Soil Vapor Intrusion Guidance (2006) specifies that operation, maintenance and monitoring of the SSD system should be included as part of site management. Until subsurface remediation efforts eventually address VOCs in soil and/or groundwater to acceptable levels (i.e. SSD operation no longer required) operation of the SSD system should continue. At that point, the vapor mitigation system may be shut down and/or removed and O&M requirements would cease.

4.2. Reset. Fan restarts automatically in event of power loss.

4.3. In the event of unusual fan noise, failure to start, physical damage, or repeated circuit breaker trip, turn fan off and call for service. MITIGATION TECH –585- 637-7430

4.4. Regularly inspect fan gauge to verify that value, indicated by a mark on the gauge, has not changed significantly from the position of the mark. Gauge is inspected by observing the level of colored fluid or, in the case of a dial gauge, the position of the indicator needle.

4.5. Normal system operation requires unchanged structural conditions. Report any changes in structure, HVAC systems, slab conditions, etc., so that the change can be evaluated for impact on the SSD System. For service, call MITIGATION TECH at 637-7430

4.6. Ensure that a periodic inspection is performed

5. SUB-SLAB DEPRESSURIZATION SYSTEM PERFORMANCE MONITORING

5.1. Monthly Monitoring

5.1.1. Inspect the fan vacuum indicator to verify that value, indicated by a mark on the gauge, has not changed significantly from the position of the mark. Gauge is inspected by observing the level of colored fluid.

5.1.2. Record the observed measurement for the fan vacuum indicator on form labeled "SSD System Vacuum Gauge Record". Store all forms in the facility maintenance office.

5.1.3. Inspect visible components of SSD system in vicinity of gauge for degraded condition.

5.1.4. Investigate and report any gauge reading that deviates significantly from its historical average, or any degraded condition of visible components. For reporting, call MITIGATION TECH at 585-637-7430.

5.2. Annual Inspection

5.2.1. Conduct a visual inspection of the complete System (e.g., vent fan, piping, warning devices, labeling)

5.2.2. Inspect all components for condition and proper operation;

5.2.3. Identify and repair any leaks in accordance with Sections 4.3.1(a) and 4.3.4(a) of the NYS DOH VI Guidance (i.e.; with the systems running, use smoke sticks to check for leaks through concrete cracks, floor joints and at the suction points; any leaks will be resealed until smoke is no longer observed flowing through the opening).

5.2.4. Inspect the exhaust or discharge point of each exhaust fan to verify that no air intakes have been located within 10 feet

5.2.5. Conduct pressure field extension testing (to ensure that the system is maintaining a vacuum beneath the entire slab). Perform at least one differential pressure reading for each building slab section enclosed by a separate footer

5.2.6. Interview appropriate building occupants seeking comments and observations regarding the operation of the System

5.2.7. Check to see that the circuit breakers controlling the circuits on which the soil vapor vent fans operate are labeled "Soil Vapor System"

6. SUB-SLAB DEPRESSURIZATION SYSTEM MAINTENANCE

6.1. Routine Maintenance

6.1.1. Perform procedures as specified in sections 5.2 and 5.3

6.1.2. There are no routine component replacement procedures; Replace components upon findings of damage or failure

6.1.3. All routine and non-routine maintenance activities should be documented and reported to the agencies, as appropriate

6.2. Non-Routine Maintenance

6.2.1. Non-routine maintenance may also be appropriate during the operation of the mitigation system. Examples of such situations include the following:

6.2.2. It is determined through inspection or notification by others that the warning device indicates the mitigation system is not operating properly

6.2.3. the mitigation system becomes damaged

6.2.4. the building has undergone renovations that may reduce the effectiveness of the mitigation system.

6.2.5. Activities conducted during non-routine maintenance visits will vary depending upon the reason for the visit. In general, building-related activities may include examining the building for structural or HVAC system changes, or other changes that may affect the performance of the depressurization system (e.g., new combustion appliances, deterioration of the concrete slab, or other significant changes). Depressurization system-related activities may include examining the operation of the warning device or indicator and the vent fan, or measurement of the extent of sub-slab depressurization. Repairs or adjustments should be made to the system as appropriate.

ATTACHMENT B

Photographic Documentation

Photograph 1

View of 4” PVC manifold line extending from overtop of the produce cooler (left) to a tee for the 3” riser for suction point #3 and the 4” vent line through the southwest exterior wall to the fan. Note this was the first piping installed so that the crew could make sure to properly align the vent pipe through the exterior wall for installation of the fan.

Photograph 2

View of the vent pipe exterior to the southwest wall with the installed fan and switch.

Photograph 3

View of the 4” manifold piping running above the suspended ceiling tile above the produce and floral prep room.

Photograph 4

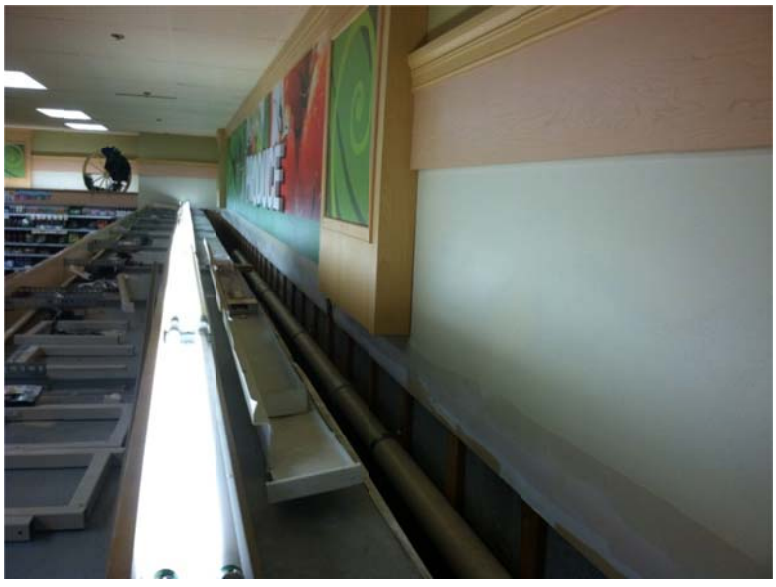
View looking into the suction point #2 hole in the produce and floral prep room.

Photograph 5

View of the bottom portion of the 3" riser at suction point #1 behind the produce cooler along the south wall. View is looking underneath the cooler where the contractor had temporarily removed the front panel.

Photograph 6

View of piping running along the south wall from suction point #1 behind the produce cooler.



Photograph 7

View of the same piping shown in Photograph 6 where it enters the southeast wall of the produce and floral prep room.

Photograph 8

View of the 3” riser at suction point #2 in the southeast corner of the produce and floral prep room up to the tee that extends through the wall for the piping to suction point #1 behind the produce cooler.

Photograph 9

View of the floor penetration at suction point #2 in the produce and floral prep room after the sealant was applied.

Photograph 10

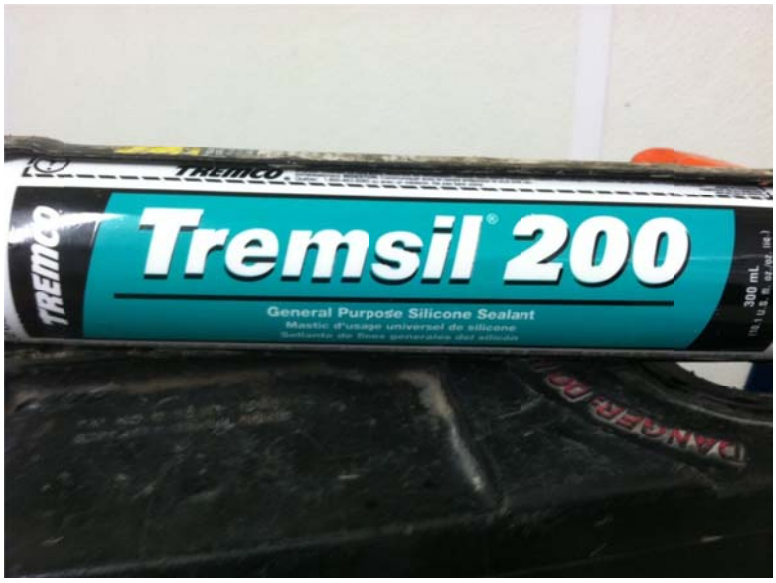
View of the wall penetration at suction point #2 in the produce and floral prep room after the sealant was applied.

Photograph 11

View of the sealant used for the floor penetrations.

Photograph 12

View of the sealant used for the interior wall penetrations.



Photograph 13

View of the southeast corner of the produce and floral prep room at the end of the first work day (2/26/13) following the crew's cleanup and returning of store materials.

Photograph 14

View of the southwest corner of the produce area at the end of the first work day (2/26/13) following the crew's cleanup and returning of store display to its original location.

Photograph 15

View of the riser at suction point #3 located immediately west of the produce cooler.

Photograph 16

View of the riser at suction point #3 entering the floor penetration prior to the sealant application.

Photograph 17

View of the pipe support used to secure the riser for suction point #3.

Photograph 18

View of the test point #1 located at the inside corner of the back hallway approximately 10 feet inside the southwest exit door. This location is approximately 34 feet west-northwest of suction point #3.

Photograph 19

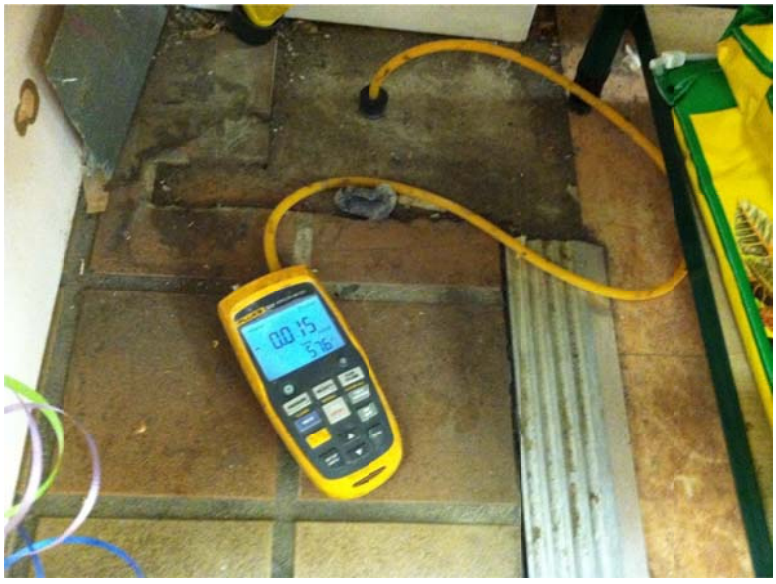
View of the airflow reading at test point #1 during the initial test run on the system.

Photograph 20

View of the test point #2 located in the bakery behind the carousel cake display.

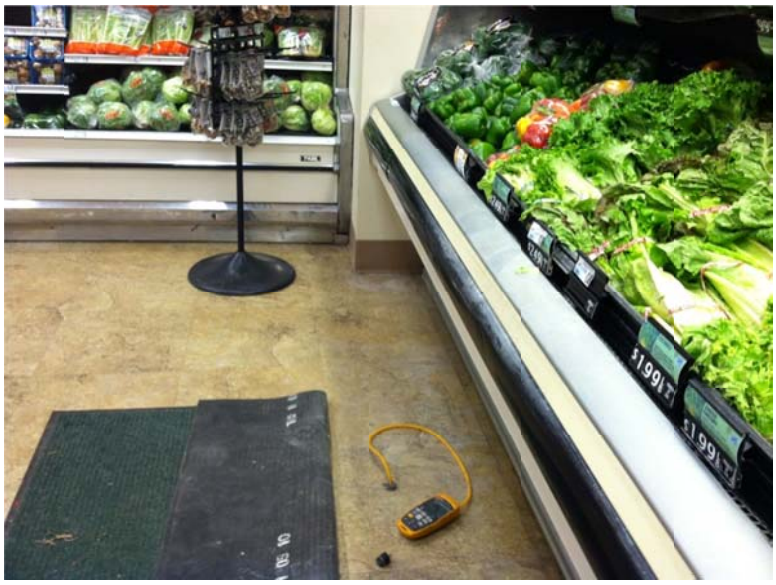
Photograph 21

View of the test point #3 located in the floral prep area to the right of the helium storage cabinet.



Photograph 22

View of the test point #4 located in front of the produce cooler along the south wall approximately 10 feet west of the east (front) wall.



Photograph 23

View of the airflow reading at test point #4 during the initial test run on the system.

Photograph 24

View of the “soil vent” labeling above suction point #3 on the exhaust/vent line.

Photograph 25

View of the exhaust/vent line going through the exterior southwest wall after the sealant was applied. The electrical box to the right is for the system's exhaust fan.

Photograph 26

Close up view of the front of the box cover shown in Photograph 25 which has been labeled "outside fan G-36", which indicates the electrical panel and circuit number.

Photograph 27

View of the electrical conduit running along the southwest wall over to the box above the southwest exit wall.

Photograph 28

View of the electrical conduit (left) running into the electrical box above the southwest exit door.

Photograph 29

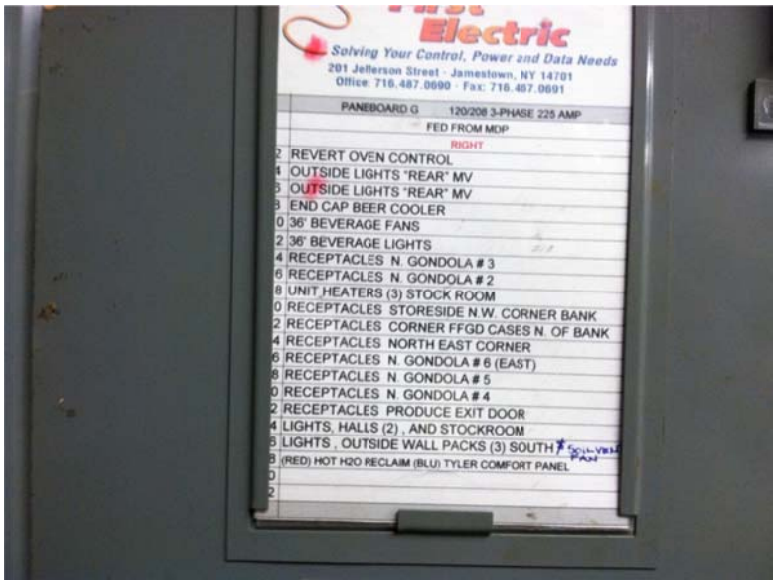
View of the system gauge on the riser at suction point #3. Note the label is only temporary and will be replaced.

Photograph 30

View of the electrical panel label “G” indicating this is the panel in which the fan was hooked up.

Photograph 31

View of the circuit label inside panel "G" showing that "soil vent fan" was added for circuit #36.



Photograph 32

View of the sealant applied the test hole #1 (including the initial hole that hit refusal).

Photograph 33

View of the sealant applied to test hole #2.

Photograph 34

View of the sealant applied to test hole #3.

Photograph 35

View of the sealant applied to test hole #4.

Photograph 36

View of the back storage hallway (west of the produce cooler) at the end of the 2nd work day showing that the crew had cleaned up and moved the store materials back to their original locations.

ATTACHMENT C

Sub-Slab Depressurization System
Fan Specifications

RadonAway™
The World's Leading Radon Fan Manufacturer

GP Series

Radon Mitigation Fans

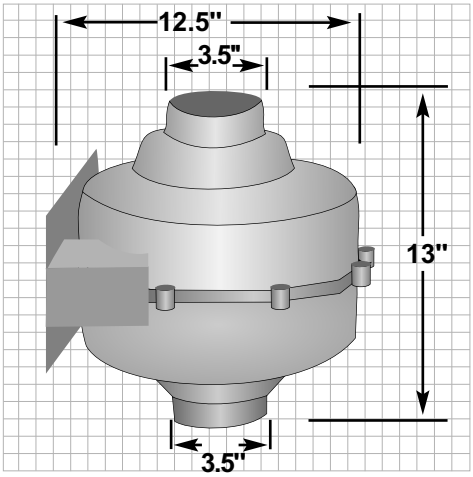
All RadonAway fans are specifically designed for radon mitigation. GP Series Fans provide a wide range of performance that makes them ideal for most sub-slab radon mitigation systems.

Features:

- Five-year hassle-free warranty
- Mounts on duct pipe or with integral flange
- 3.5" diameter ducts for use with 3" or 4" pipe
- Electrical box for hard wire or plug in
- ETL Listed - for indoor or outdoor use
- Meets all electrical code requirements
- Thermally protected
- Rated for commercial and residential use.

Model	Watts	Max. Pressure "WC	Typical CFM vs. Static Pressure WC						
			1.0"	1.5"	2.0"	2.5"	3.0"	3.5"	4.0"
GP201	40-60	2.0	82	58	5	-	-	-	-
GP301	55-90	2.6	92	77	45	10	-	-	-
GP401	60-110	3.4	93	82	60	40	15	-	-
GP501	70-140	4.2	95	87	80	70	57	30	10

Choice of model is dependent on building characteristics including sub-slab materials and should be made by a radon professional.



For Further Information Contact:

03/08
P/N 02002

ATTACHMENT D

Indoor and Outdoor Air Sample Laboratory Analytical Report and Chain-of-Custody Documentation

April 19, 2013 Service Request No: R1302190

Mr. Adam Flege
Apex Companies, LLC
155 Tri County Parkway, Suite 250
Cincinnati, OH 45246

Laboratory Results for: Southside Plaza/1200202.005

Dear Mr. Flege:

Enclosed are the results of the sample(s) submitted to our laboratory on April 4, 2013. For your reference, these analyses have been assigned our service request number **R1302190**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Janice Jaeger
Client Services Manager

ADDRESS 1565 Jefferson Rd, Building 300, Suite 360, Rochester, NY 14623 PHONE 585-288-5380 | FAX 585-288-8475
ALS GROUP USA, CORP. Part of the ALS Group An ALS Limited Company

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: R1302190

Lab ID	Client ID
R1302190-001	1200202.005.4213.00A
R1302190-002	1200202.005.4213.00B
R1302190-003	1200202.005.4213.00C
R1302190-004	1200202.005.4213.00D
R1302190-005	1200202.005.4213.00E

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

ALS Environmental

REPORT QUALIFIERS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.

ACCREDITED IN ACCORDANCE WITH nelac

Rochester Lab ID # for State Certifications[1]

NELAP Accredited	Maine ID #NY0032	New Hampshire ID # 294100 A/B
Connecticut ID # PH0556	Nebraska Accredited	
Delaware Accredited	Nevada ID # NY-00032	North Carolina #676
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047		Virginia #460167

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to http://alsglobal.com/environmental/laboratories/rochester-environmental-lab.aspx

ALS ENVIRONMENTAL

Analytical Report

Client:	Apex Companies, LLC	**Service Request:**	R1302190
Project:	Southside Plaza/1200202.005	**Date Collected:**	4/ 2/13 1755
Sample Matrix:	Air	**Date Received:**	4/ 4/13
Sample Name:	1200202.005.4213.00A		
Lab Code:	R1302190-001		

Analytical Method: TO-15 **Date Analyzed:** 4/9/13 1905

Canister Dilution Factor: 1.38

Initial Pressure (psig): -1.33 Final Pressure (psig): 3.75

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Result ppbv	MRL ppbv	Data Qualifier
75-01-4	Vinyl Chloride	1000	0.083	0.083	0.032	0.032	U
75-35-4	1,1-Dichloroethene	1000	0.61	0.61	0.15	0.15	U
156-59-2	cis-1,2-Dichloroethene	1000	0.61	0.61	0.15	0.15	U
71-55-6	1,1,1-Trichloroethane (TCA)	1000	0.83	0.83	0.15	0.15	U
56-23-5	**Carbon Tetrachloride**	1000	**0.56**	0.097	**0.089**	0.015	
79-01-6	Trichloroethene (TCE)	1000	0.083	0.083	0.015	0.015	U
127-18-4	Tetrachloroethene (PCE)	1000	0.11	0.11	0.016	0.016	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	111	70-130	4/9/13 1905	

ALS ENVIRONMENTAL

Analytical Report

Client:	Apex Companies, LLC	**Service Request:**	R1302190
Project:	Southside Plaza/1200202.005	**Date Collected:**	4/ 2/13 1759
Sample Matrix:	Air	**Date Received:**	4/ 4/13
Sample Name:	1200202.005.4213.00B		
Lab Code:	R1302190-002		

Analytical Method: TO-15 **Date Analyzed:** 4/9/13 1955

Canister Dilution Factor: 1.44

Initial Pressure (psig): -1.92 Final Pressure (psig): 3.73

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Result ppbv	MRL ppbv	Data Qualifier
75-01-4	Vinyl Chloride	800	0.11	0.11	0.042	0.042	U
75-35-4	1,1-Dichloroethene	800	0.79	0.79	0.20	0.20	U
156-59-2	cis-1,2-Dichloroethene	800	0.79	0.79	0.20	0.20	U
71-55-6	1,1,1-Trichloroethane (TCA)	800	1.1	1.1	0.20	0.20	U
56-23-5	**Carbon Tetrachloride**	800	**0.67**	0.13	**0.11**	0.020	
79-01-6	Trichloroethene (TCE)	800	0.11	0.11	0.020	0.020	U
127-18-4	**Tetrachloroethene (PCE)**	800	**1.3**	0.14	**0.19**	0.021	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	113	70-130	4/9/13 1955	

ALS ENVIRONMENTAL

Analytical Report

Client:	Apex Companies, LLC	**Service Request:**	R1302190
Project:	Southside Plaza/1200202.005	**Date Collected:**	4/ 2/13 1802
Sample Matrix:	Air	**Date Received:**	4/ 4/13
Sample Name:	1200202.005.4213.00C		
Lab Code:	R1302190-003		

Analytical Method: TO-15 **Date Analyzed:** 4/16/13 1427

Canister Dilution Factor: 1.50

Initial Pressure (psig): -2.60 Final Pressure (psig): 3.51

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Result ppbv	MRL ppbv	Data Qualifier
75-01-4	Vinyl Chloride	1000	0.090	0.090	0.035	0.035	U
75-35-4	1,1-Dichloroethene	1000	0.66	0.66	0.17	0.17	U
156-59-2	cis-1,2-Dichloroethene	1000	0.66	0.66	0.17	0.17	U
71-55-6	1,1,1-Trichloroethane (TCA)	1000	0.90	0.90	0.17	0.17	U
56-23-5	**Carbon Tetrachloride**	1000	**0.71**	0.11	**0.11**	0.017	
79-01-6	Trichloroethene (TCE)	1000	0.090	0.090	0.017	0.017	U
127-18-4	**Tetrachloroethene (PCE)**	1000	**1.3**	0.12	**0.19**	0.018	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	112	70-130	4/16/13 1427	

ALS ENVIRONMENTAL

Analytical Report

Client:	Apex Companies, LLC	**Service Request:**	R1302190
Project:	Southside Plaza/1200202.005	**Date Collected:**	4/ 2/13 1750
Sample Matrix:	Air	**Date Received:**	4/ 4/13
Sample Name:	1200202.005.4213.00D		
Lab Code:	R1302190-004		

Analytical Method: TO-15 **Date Analyzed:** 4/9/13 2132

Canister Dilution Factor: 1.45

Initial Pressure (psig): -2.01 Final Pressure (psig): 3.73

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Result ppbv	MRL ppbv	Data Qualifier
75-01-4	Vinyl Chloride	1000	0.087	0.087	0.034	0.034	U
75-35-4	1,1-Dichloroethene	1000	0.64	0.64	0.16	0.16	U
156-59-2	cis-1,2-Dichloroethene	1000	0.64	0.64	0.16	0.16	U
71-55-6	1,1,1-Trichloroethane (TCA)	1000	0.87	0.87	0.16	0.16	U
56-23-5	**Carbon Tetrachloride**	1000	**0.52**	0.10	**0.083**	0.016	
79-01-6	Trichloroethene (TCE)	1000	0.087	0.087	0.016	0.016	U
127-18-4	**Tetrachloroethene (PCE)**	1000	**0.45**	0.12	**0.066**	0.017	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	114	70-130	4/9/13 2132	

ALS ENVIRONMENTAL

Analytical Report

Client:	Apex Companies, LLC	**Service Request:**	R1302190
Project:	Southside Plaza/1200202.005	**Date Collected:**	4/ 2/13 1905
Sample Matrix:	Air	**Date Received:**	4/ 4/13
Sample Name:	1200202.005.4213.00E		
Lab Code:	R1302190-005		

Analytical Method: TO-15

Date Analyzed: 4/9/13 1814
Canister Dilution Factor: 1.41

Initial Pressure (psig): -1.72 Final Pressure (psig): 3.55

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Result ppbv	MRL ppbv	Data Qualifier
75-01-4	Vinyl Chloride	200	0.42	0.42	0.17	0.17	U
75-35-4	1,1-Dichloroethene	200	3.1	3.1	0.78	0.78	U
156-59-2	cis-1,2-Dichloroethene	200	3.1	3.1	0.78	0.78	U
71-55-6	1,1,1-Trichloroethane (TCA)	200	4.2	4.2	0.78	0.78	U
56-23-5	**Carbon Tetrachloride**	200	**0.58**	0.49	**0.093**	0.078	
79-01-6	Trichloroethene (TCE)	200	0.42	0.42	0.079	0.079	U
127-18-4	**Tetrachloroethene (PCE)**	200	**18**	0.56	**2.6**	0.083	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	114	70-130	4/9/13 1814	

ALS ENVIRONMENTAL

Analytical Report

Client:	Apex Companies, LLC	**Service Request:**	R1302190
Project:	Southside Plaza/1200202.005	**Date Collected:**	NA
Sample Matrix:	Air	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	RQ1303782-01		

Analytical Method: TO-15 **Date Analyzed:** 4/9/13 1226

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Result ppbv	MRL ppbv	Data Qualifier
75-01-4	Vinyl Chloride	1000	0.060	0.060	0.023	0.023	U
75-35-4	1,1-Dichloroethene	1000	0.44	0.44	0.11	0.11	U
156-59-2	cis-1,2-Dichloroethene	1000	0.44	0.44	0.11	0.11	U
71-55-6	1,1,1-Trichloroethane (TCA)	1000	0.60	0.60	0.11	0.11	U
56-23-5	Carbon Tetrachloride	1000	0.070	0.070	0.011	0.011	U
79-01-6	Trichloroethene (TCE)	1000	0.060	0.060	0.011	0.011	U
127-18-4	Tetrachloroethene (PCE)	1000	0.080	0.080	0.012	0.012	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	109	70-130	4/9/13 1226	

ALS ENVIRONMENTAL

Analytical Report

Client:	Apex Companies, LLC	**Service Request:**	R1302190
Project:	Southside Plaza/1200202.005	**Date Collected:**	NA
Sample Matrix:	Air	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	RQ1303833-01		

Analytical Method: TO-15 **Date Analyzed:** 4/16/13 1024

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Result ppbv	MRL ppbv	Data Qualifier
75-01-4	Vinyl Chloride	1000	0.060	0.060	0.023	0.023	U
75-35-4	1,1-Dichloroethene	1000	0.44	0.44	0.11	0.11	U
156-59-2	cis-1,2-Dichloroethene	1000	0.44	0.44	0.11	0.11	U
71-55-6	1,1,1-Trichloroethane (TCA)	1000	0.60	0.60	0.11	0.11	U
56-23-5	Carbon Tetrachloride	1000	0.070	0.070	0.011	0.011	U
79-01-6	Trichloroethene (TCE)	1000	0.060	0.060	0.011	0.011	U
127-18-4	Tetrachloroethene (PCE)	1000	0.080	0.080	0.012	0.012	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	109	70-130	4/16/13 1024	

ALS ENVIRONMENTAL

QA/QC Report

Client: Apex Companies, LLC
Project: Southside Plaza/1200202.005
Sample Matrix: Air

Service Request: R1302190
Date Analyzed: 4/ 9/13

Lab Control Sample Summary
Volatile Organic Compounds in Air Collected In SUMMA Passivated Canisters and Analyzed By GC/MS

Analytical Method: TO-15

Units: µg/m³
Basis: NA

Analysis Lot: 336740

Analyte Name	Lab Control Sample RQ1303782-02 Result	Spike Amount	% Rec	% Rec Limits
Vinyl Chloride	5.97	6.58	91	70 - 130
1,1-Dichloroethene	9.30	10.4	89	70 - 130
cis-1,2-Dichloroethene	8.85	10.5	84	70 - 130
1,1,1-Trichloroethane (TCA)	13.5	14.3	94	70 - 130
Carbon Tetrachloride	15.1	15.9	95	70 - 130
Trichloroethene (TCE)	12.4	14.0	89	70 - 130
Tetrachloroethene (PCE)	16.6	18.0	93	70 - 130

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS ENVIRONMENTAL

QA/QC Report

Client: Apex Companies, LLC
Project: Southside Plaza/1200202.005
Sample Matrix: Air

Service Request: R1302190
Date Analyzed: 4/16/13

Lab Control Sample Summary
Volatile Organic Compounds in Air Collected In SUMMA Passivated Canisters and Analyzed By GC/MS

Analytical Method: TO-15

Units: µg/m³
Basis: NA

Analysis Lot: 336880

Analyte Name	Lab Control Sample RQ1303833-02 Result	Spike Amount	% Rec	% Rec Limits
Vinyl Chloride	6.12	6.58	93	70 - 130
1,1-Dichloroethene	10.1	10.4	97	70 - 130
cis-1,2-Dichloroethene	8.96	10.5	85	70 - 130
1,1,1-Trichloroethane (TCA)	15.4	14.3	108	70 - 130
Carbon Tetrachloride	17.2	15.9	108	70 - 130
Trichloroethene (TCE)	13.0	14.0	93	70 - 130
Tetrachloroethene (PCE)	17.5	18.0	98	70 - 130

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Columbia Analytical Services

CHAIN OF CUSTODY - AIR

PAGE 1 OF 1

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 | 585.288.5380 | 585.288.8475 (fax) | www.caslab.com

Requested Turnaround Time in Business Days from Receipt, please circle:
1 Day | 2 Day | 3 Day | 4 Day | 5 Day | (10 Day-Standard)

CAS Project #:

Company Name: APEX COMPANIES

Project Name: SOUTH SIDE PLAZA

CAS Contact:

Address: 155 TRI-COUNTY PKY SUITE 250

Project Number: 12002002.005

City, State, Zip: CINCINNATI, OH 45246

P.O. #/Billing Information:

Project Manager: ADAM PLEGE

Phone: 513-771-3727

Fax:

Email (for result reporting): aflege@apexcos.com

Sampler (Print & Sign): TERRIE L. SWANSON

Analysis Method and/or Analytes

TO-15 (7 ANALYTES):
- 1,1-dichloroethene
- 1,1,1-trichloroethane
- carbon tetrachloride
- cis-1,2-dichloroethene
- tetrachloroethylene
- bromodichloromethane
- vinyl chloride

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID	Flow Controller ID	Pressure Start/Finish	TO-15	Comments / Specific Instructions
12002002.005.4213.00A		4.2.13	0901/1755	9093	FC00754	29/5	X	SEE 7 ANALYTES
12002002.005.4213.00B		4.2.13	0903/1759	9193	FC00737	29/4	X	
12002002.005.4213.00C		4.2.13	0907/1802	9098	FC00833	29/5	X	
12002002.005.4213.00D		4.2.13	0921/1905	9099	FC00710	30/5	X	
12002002.005.4213.00E		4.2.13	0934/1750	7781	FC00750	29/5	X	

What State were samples collected in: NEW YORK

Report Tier Levels - please select:
Tier I (Results/Default, if not specified) ___
Tier II (Results + QC) ___
Tier III (CLP Forms Only) ___
Tier IV (Data Validation) X

EDD required: (YES) / NO
Type: EXCEL
EDD Units: µg/M3

Project Requirements (MRLs, QAPP, etc.)

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date:	Time:
UPS STAPLES PROP	4.3.13	2025HRS	AES	4-4-13	8:45
Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date:	Time:

R1302190 5
Apex Companies, LLC
Southside Plaza

COC AIR REV 7-11

Columbia Analytical Services

CHAIN OF CUSTODY - AIR

PAGE 1 OF 1

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p.2

814-756-4535

Requested Turnaround Time in Business Days from Receipt, please circle:
1 Day 2 Day 3 Day 4 Day 5 Day (10 Day-Standard)

CAS Project #:

Company Name:

Project Name:

CAS Contact:

Address:

Project Number:

Analysis Method and/or Analytes

City, State, Zip:

P.O. #/Billing Information:

Project Manager:

Phone: Fax:

Email (for result reporting):

Sampler (Print & Sign):

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID	Flow Controller ID	Pressure Start/Finish	TO-15				Comments Specific Instructio
12002.002.005.4213.00A		4.2.13	0800/1150	9093	FC00754	29 / 5	X				
12002.002.005.4213.00B		4.2.13	0800/1150	9197	FC00737	29 / 4	X				
12002.002.005.4213.00C		4.2.13	0800/1150	9098	FC00832	29 / 5	X				
12002.002.005.4213.00D		4.2.13	0800/1150	9099	FC00710	30 / 5	X				
12002.002.005.4213.00E		4.2.13	0800/1905	7781	FC00750	29 / 5	X				

What State were samples collected in: New York

Project Requirements (MRLs, QAPP, etc.)

Report Tier Levels - please select:
Tier I (Results/Default, if not specified) ___
Tier II (Results + QC) ___
Tier III (CLP Forms Only) ___
Tier IV (Data Validation) X

EDD required: (YES) / NO
Type: EXCEL
EDD Units: ug/M3

Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date:	Time:
[signature] UPS	4.8.13	2025 hrs			
Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time	Received by: (Signature)	Date:	Time:

COC AIR REV

Apr 02 13 11:36p Terrie Swanson

Cooler Receipt and Preservation Check Form

Project/Client APEX Companies Folder Number R2190.

Cooler received on 4/4/13 by: RE **COURIER:** ALS (UPS) FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	(YES)	NO
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO
4.	Did VOA vials, Alkalinity, or Sulfide have significant* air bubbles?	YES	(NO) (N/A)
5.	Were **Ice** or **Ice packs** present?	YES	(NO)
6.	Where did the bottles originate?	(ALS/ROC)	CLIENT
7.	Soil VOA samples received as:	Bulk Jar	Encore TerraCore Lab5035set (N/A)
8.	Temperature of cooler(s) upon receipt: Air Canisters		

Is the temperature within 0° - 6° C?: Y N (NA) Y N Y N Y N Y N

If No, Explain Below Date/Time Temperatures Taken: NA - Air canisters

Thermometer ID: IR GUN#3 / IR GUN#4 Reading From: Temp Blank / Sample Bottle

If out of Temperature, note packing/ice condition &Client Approval to Run Samples: _____

All Samples held in storage location _____ by _____ on _____ at _____

5035 samples placed in storage location _____ by _____ on _____ at _____

PC Secondary Review: JMV 4/4/13

(RV) 4/4/13

Cooler Breakdown: Date: 4/3 4/4/13 Time: 1116 by: KD

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	YES	NO
2.	Did all bottle labels and tags agree with custody papers?	YES	NO
3.	Were correct containers used for the tests indicated?	YES	NO
4.	Air Samples: Cassettes / Tubes Intact (Canisters Pressurized)	Tedlar® Bags Inflated	N/A

Explain any discrepancies: _____

pH	Reagent	YES	NO	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3								
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For TCN Phenol and 522			If present, contact PM to add ascorbic acid Or sodium sulfite (522)					
	$Na_2S_2O_3$	-	-						
	Zn Aceta	-	-						
	HCl	*	*						

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: Scanned

Other Comments:

PC Secondary Review: JMV 4/19/13

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter