Hydro Tech Environmental, Corp.

Main Office
77 Arkay Drive, Suite G
Hauppauge, New York 11788
T (631) 462-5866 • F (631) 462-5877

NYC Office
15 Ocean Avenue, 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 • F (718) 636-0900

www.hydrotechenvironmental.com

Focused Subsurface Investigation Report

281-301 Warner Avenue
Roslyn Heights, NY

Prepared For:

JK Equities
1044 Northern Boulevard, Suite 303
Roslyn, New York 11576

June 16, 2017

Hydro Tech Job No. 170153

Focused Subsurface Investigation Report

281-301 Warner Avenue
Roslyn Heights, New York

June 16, 2017

Hydro Tech Environmental, Corp. appreciates the opportunity to work for JK Equities at the property located at 281-301 Warner Avenue in Roslyn Heights, New York.

Should you require any additional information or have any comments regarding the contents of this report, please feel free to contact our office at your convenience.

We declare that, to the best of my professional knowledge and belief, Hydro Tech personnel meet the definition of an environmental professional as defined in §312.10 of 40 C.F.R. Part 312, and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

Very Truly Yours,

Hydro Tech Environmental, Corp.

X _____
Adam P. Nasiatka
Project Manager

X _____
Sudley Perez
Assistant Project Manager

X _____
Mark E. Robbins, P.G.
Principal

TABLE OF CONTENTS PAGE

Figures

Tables

Appendices

1.0 EXECUTIVE SUMMARY

Hydro Tech Environmental, Corp. has performed a Focused Subsurface Investigation at the property located at 281-301 Warner Avenue in Nassau County, New York. This Focused Subsurface Investigation was conducted on behalf of JK Equities in response to the findings of a prior Phase I Environmental Site Assessment.

The Focused Subsurface Investigation was intended to investigate the impact of an on-site dry cleaner and consisted of the performance of the installation and sampling of a series of soil probes, sub-slab vapor sampling probes and the collection of indoor and outdoor air samples. A sediment sample was also collected during this investigation from an interior drainage structure. A Hydro Tech geologist screened all soil samples in the field for organic vapors utilizing a Photoionization Detector. Select soil samples and the vapor/air samples were analyzed at a State-certified laboratory for volatile organic compounds (VOCs).

The results of the Focused Subsurface Investigation are contained in this report. No VOCs were detected in any of the soil samples at concentrations exceeding their respective 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs). No VOCs were detected in the sediment sample collected from the interior structure at concentrations exceeding their respective 6 NYCRR Part 375 SCOs.

VOCs are present in sub slab vapor beneath the building slab and in the indoor air inside the basement of the dry cleaners. The distribution and abundance of these chlorinated vapors reflect a likely source from the dry cleaning operation. The results of the NYSDOH matrix table comparison indicate that mitigation is warranted.

No effort has been made to perform any investigation beyond what is included in this report. The observations included herein summarize the results of the environmental activities up to the date of the fieldwork and the date of this report.

The following sections provide the details and specific information pertaining to the various components of the Subsurface Investigation.

2.0 INTRODUCTION & SCOPE OF WORK

2.1 Introduction

Hydro Tech Environmental, Corp. (Hydro Tech) has been retained by JK Equities (the "Client") to perform a Focused Subsurface Investigation of the property located at 281-301 Warner Avenue in the town of North Hempstead, in the Village of Roslyn Heights, New York. This property will hereafter be referred to as the "Site".

2.2 Site Description

The Site consists of an irregular shaped lot bounded by Warner Avenue to the south and Warner/ Railroad Avenue to the east in the Village of Roslyn Heights in Nassau County, New York. The Site is approximately 37,232 square feet (0.85 acres) in area and is developed with a 1-story commercial strip mall with a full basement. The building contains 11 commercial units, which are occupied by a party/events store, auto parts store, Chinese restaurant, florist, drycleaners, shipping store, nail salon, pizzeria, pet grooming, deli and a laundromat. The full basement contains partition walls that separate the basements under each unit. Main access to the Site is via Warner Avenue to the southeast. The ground covering the Site consists of concrete and asphalt. The Site has a topographic slope toward the northeast.

The vicinity of the Site consists of commercial properties, parking areas and the Long Island Rail Road. The topography of the Site and the surrounding area is sloping to the northeast. **Figure 1** provides a Site Plan.

2.3 Geology & Hydrology

The Site is located in northern central portion of Nassau County, New York. The elevation of the Subject Property is approximately 157 feet above mean sea level (USGS 7.5-Minute Sea Cliff, New York Quadrangle, 1991).

Nassau County is located in the western central portion of Long Island, which consists of a wedge-shaped mass of unconsolidated deposits that overlie ancient basement rock. The thickness of these deposits ranges from approximately 100 feet on the Island's north shore to approximately 2,000 feet in some portions of the south shore. These deposits contain ground water that is the sole source of drinking water for the Island's over 3.1 million residents.

The **Upper Glacial Aquifer** is the uppermost hydrogeologic unit. This aquifer encompasses the moraine and outwash deposits, in addition to some localized lacustrine, marine and reworked materials. A relatively high horizontal hydraulic conductivity and a low vertical hydraulic conductivity characterize the outwash plain portion of this unit. Since the water table is situated in the Upper Glacial Aquifer.

The **Magothy Formation** directly underlies the Upper Glacial Aquifer in the vicinity of the site. This formation is a Cretaceous coastal-shelf deposit, which consists principally of layers of sand and gravel with some interbedded clay. This formation ranges from moderate to highly permeable. A clay layer in some parts of Long Island confines the uppermost portion of the aquifer. The Magothy is Long Island's principal aquifer for public water supply. The United States Environmental Protection Agency (USEPA) has classified the Long Island aquifer system as a sole source aquifer.

The **Raritan Formation** is the deepest unit and rests directly above the bedrock units. This formation is comprised of a sand member (**Lloyd Aquifer**) and a clay member (**Raritan Clay**). The Lloyd sand extends southward from Flushing Bay to the Atlantic Ocean. The thickness of the sand member ranges in depth from 200 to 800 feet below sea level and increases in thickness to the southeast. The clay member acts as an aquitard confining the lower Lloyd aquifer between the clay and the underlying bedrock.

According to the USGS Long Island Depth to Water Viewer, the depth to groundwater at the Site is approximately 100 feet. According to the USGS Groundwater Conditions Map, the regional groundwater flow direction in the vicinity of the Site is toward the north in the direction of Hempstead Bay.

2.4 Objective & Project Goals

The objective of this Focused Subsurface Investigation was to address specific environmental concerns identified in a January 2008 Phase I Environmental Site Assessment performed by Heynen Engineers. These specific environmental concerns include:

- The presence of a dry cleaner at 289 Warner Avenue;
- The presence of a hole in the basement at 289 Warner Avenue.

Appendix A provides the portion of the Phase I ESA as provided to Hydro Tech.

All related portions of the fieldwork were performed, at a minimum, in accordance with acceptable industry standards. These acceptable industry standards include, but are not limited to, the ASTM Standard Guide for Phase II Environmental Site Assessments (E 1903-11), the New York State Department of Environmental Conservation (NYSDEC) Bureau of Spill Prevention & Response Sampling Guidelines and Protocols, March 1991 and the DER-10 Technical Guidance for Site Investigation and Remediation, May 2010.

3.0 FOCUSED SUBSURFACE INVESTIGATION

3.1 Introduction

The investigation was accomplished through the installation and sampling of four (4) soil probes, two (2) sub-slab vapor probes and the collection of one (1) indoor and one (1) outdoor air samples. Hydro Tech conducted the field portion of the investigation on June, 1 2017.

Prior to the performance of the fieldwork, an NYC One-Call Public Utility mark-out was requested. Confirmation number 171442747 was issued to the mark-out. **Appendix B** contains photographs of the fieldwork.

3.2 Fieldwork

Soil Probes

The soil probes were designated SP-1 through SP-4. Probes SP-1 and SP-4 were installed in the parking lot immediately north of the dry cleaner. Probes SP-2 and SP-3 were installed in the basement at the dry cleaner. Prior **Figure 1** provides all sampling locations.

All soil probes were installed with Hydro Tech's fleet of Geoprobe® units. These units install soil probes utilizing direct-push technology. Soil samples were collected utilizing a four-foot long Macro core sampler fitted with dedicated acetate liners. Each sampler was installed with 1½-inch diameter drill rods.

Soil Probes SP-1 and SP-4 were installed to a total depth of 12 feet below grade. Probes SP-2 and SP-3 were installed to a depth of 12 feet below the basement slab (est. 22 feet below grade). All soil probes were continuously sampled at consecutive 2–foot intervals. A Hydro Tech geologist performed infield characterization and screening of each soil sample utilizing the Unified Soil Classification System and a Photo Ionization Detector (PID). The general soil type consists of medium to fine grained sand with pebbles. No visual evidence of petroleum vapors was noted in any of the soil samples. Olfactory evidence consisting of a slight petroleum odor was noted in the 18 to 20 foot sample in SP-2. Detectable (max. 5 ppm) organic vapors were noted in the 20 to 22 foot sample in probe SP-2. No other detectable (>0.1 ppm). **Appendix C** provides soil probe logs.

Based upon the in-field screening results, 1 soil sample from each probe was selected for confirmatory laboratory analysis. The samples selected include the 10 to 12 foot sample from SP-1, the 18 to 20 foot sample from SP-2, the 16 to 18 foot sample from SP-3 and the zero to 2 foot sample from SP-4.

Sub-Slab Vapor Probes

Two sub-slab vapor probes, designated SS-1 and SS-2, and were installed in the basement of the dry cleaner basement. Prior **Figure 1** provides the location of sub-slab vapor probes. The soil vapor probes were installed with Hydro Tech's fleet of Geoprobe® units. These units install soil-vapor probes utilizing direct-push technology.

The soil-vapor probes were constructed in accordance with the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006). Each soil-vapor probe consists of a stainless-steel screen or implant fitted with inert tubing (e.g., polyethylene) of ¼-inch diameter and of laboratory quality to the surface. A jackhammer was used to puncture a 1 ½ inch diameter hole into the slab, and the stain steel screened implant was placed 6 inches beneath the building slab. Each sub-slab probe was then sealed above the sampling zone with bentonite slurry to prevent outdoor air infiltration. The soil-vapor probes were finished at grade with a concrete seal.

A soil vapor sample from the each sub-slab probe was collected utilizing a 6-liter pre-cleaned, passivated, evacuated whole air Summa® Canister. A 60-cm3 plastic syringe was used to purge approximately 1 to 3 implant volumes (i.e. the volume of the sample probe and tube) prior to collecting the sub-slab vapor samples. The sampling canister was then connected to a flow control valve set to collect the 6-L sample over a period of 4 hours at a rate of less than 0.2 liter per minute. **Appendix D** provides a copy of the soil-vapor sampling log.

In order to insure the integrity of the borehole seal and to verify that ambient air is not inadvertently drawn into the sample, a tracer gas (Helium) was applied to enrich the atmosphere in the immediate vicinity of the sampling location. A portable monitoring device MGD-2002 Helium-Hydrogen Lead Detector; Model 83-219, was utilized to analyze a real time sample of soil vapor from the soil vapor sampling point for the tracer prior to purging and after sampling. Plastic sheeting was also used to keep the tracer gas in contact with the soil vapor point during the sampling. No Helium (<0.01 µg/m3) was detected with the Helium-Hydrogen Lead Detector prior or after sampling.

Indoor and Outdoor Air Sampling

One (1) indoor air samples (designated IA-1) and one background outdoor air sample (designated OA-1) were collected simultaneously with the sub-slab samples. Indoor air sample IA-1 was obtained from the basement in the immediate vicinity of sub-slab vapor probe SS-1. The outdoor air sample OA-1 was obtained from the exterior northern portion of the building in the parking lot area from an upwind location. The indoor & outdoor air samples were collected simultaneously with the soil vapor samples from typical breathing zone heights. Prior **Figure 1** provides the location of ambient air samples.

A pre-sampling inspection was conducted in the interior portion of the basement and the first floor in accordance to the NYSDOH Indoor Air Sampling and Analysis Guidance dated February 2005. This inspection was performed in order to identify potential pathways of vapors into the buildings (i.e. sumps, cracks in foundations, floor drains, etc.). The inspection also included a product inventory of chemicals currently stored inside the buildings and a preliminary screening of indoor vapor concentrations utilizing a Photoionization Detector (PID).

The inspection identified no evidence of any suspect or continuous source of petroleum odors in the basement of the dry-cleaners. Organic vapors (max 2.2 ppm) were detected with the PID in the basement. Potential vapor pathways in the form of broken concrete and a dry pit were identified in the basement floor slab. Additional pathways include pipe and mechanical penetrations in the basement slab. **Appendix E** provides a New York State Department of Health Indoor Air Quality Questionnaire and Building Inventory Form.

Ambient air samples were then collected utilizing 6-liter Summa Canisters fitted with a 4-hour laboratory flow regulator with a flow rate not exceeding 0.2 liters per minute. Immediately after opening the Summa Canister, the initial vacuum (inches of mercury) and start time were recorded. After the sampling is completed, the final vacuum and stop time was also recorded. The average indoor and outdoor air temperature was approximately 70 degrees Fahrenheit.

Sediment Sample

The hole identified in the basement slab of the former dry cleaner was visually inspected and then sampled. The visual inspection determined that the hole was in fact an interior drainage structure. The structure is approximately 3 feet in width and 10 feet deep; the walls of the structure are constructed of concrete blocks and does not have a solid bottom.

A sediment sample designated FD-1 was collected from the upper 6 inches of the interior structure utilizing a hand auger. The sediment was noted to be mostly medium- fine grained sand with pebbles. This sediment was similar in nature to the soils identified beneath the basement.

The sediment sample was placed into both an airtight zip-lock bag and 8-ounce jar and appropriately labeled. The Hydro Tech geologist then characterized soil and screened the sample for organic vapors utilizing a Photoionization Detector (PID).

A PID makes use of the principle of photoionization for the detection and qualitative measurement of organic vapors. A PID does not respond to all compounds similarly, rather, each compound has its own response factor relative to its calibration. For this investigation, the PID was calibrated to the compound isobutylene, which is published by the manufacturer. The PID has a minimum detection limit of 0.1 parts per million (ppm). This meter measures the hydrocarbon concentrations in isolated portions of the secured samples.

Headspace analyses were conducted on the sediment sample by partially filling the zip lock bag and sealing it, thereby creating a void. This void is referred to as the sample headspace. To facilitate the detection of any hydrocarbons contained within the headspace, the container was agitated for a period of 30 seconds. The probe of the PID was then placed within the headspace to measure the organic vapors present. The overall results of the field screening indicate that no levels (<0.1 ppm) of organic vapors were detected in the sediment sample.

3.3 Laboratory Analyticals

All soil and vapor samples were transmitted under proper chain of custody procedures to a State-certified laboratory. The soil samples were analyzed for volatile organic compounds (VOCs) in accordance with EPA 8260. The soil vapor and air samples were analyzed for VOCs in accordance with EPA Method TO+15. Laboratory reports are provided as **Appendix F**.

4.0 ANALYTICAL RESULTS

4.1 Soil Results

Table 1 provides the EPA Method 8260 results of the soil samples from SP-1 through SP-4. **Table 1** also provides a comparison to the Unrestricted Use and Restricted Use – Residential Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375. The concentrations reported in **Table 1** are in milligrams per kilogram (mg/kg).

As **Table 1** indicates, the total VOC concentrations range from none detected in SP-1 and SP-4 to 0.0136 mg/kg in SP-2. No VOCs were detected in any of the soil samples at concentrations exceeding their respective Unrestricted Use standards. Tetrachloroethylene (PCE) was detected in the 18-20 foot sample from SP-2 at a concentration less than its Unrestricted Use SCO. PCE was not detected in any remaining soil samples. Other compounds detected at concentrations less than their respective Unrestricted Use SCO include methylene chloride and naphthalene. No other VOCs were detected in any of the soil samples at concentrations exceeding method detection limits (MDLs).

4.2 Sediment Results

Table 2 provides the EPA Method 8260 results of the sediment sample FD-1. **Table 2** also provides a comparison to the Unrestricted Use and Restricted Use – Residential SCOs from 6 NYCRR Part 375. The concentrations reported in **Table 2** are in mg/kg.

As **Table 2** indicates, the total VOC concentration in the sediment sample is 0.0088 mg/kg. No VOCs were detected in the sediment sample at concentrations exceeding their respective regulatory standards. The single VOC acetone was detected at a concentration less than its Unrestricted Use SCO. No other compounds were detected at concentrations exceeding MDLs.

4.3 Sub Slab Vapor Results

Table 3 provides the TO+15 results for the vapor and air samples from SS-1, SS-2, IA-1 and OA-1. The concentrations reported in **Table 3** are in micrograms per cubic meter ($\mu g/m^3$). The sub slab vapor results are compared to NYSDOH Air Sampling and Analysis Guidance (ASAG) – "Summary of Indoor and Outdoor Levels of Volatile Organic Compounds from Fuel Oil Heated Homes in NYS, 1997-2003 (Revised November 2005)".

Chlorinated solvents including PCE and trichloroethylene (TCE) are present at moderate to high concentrations in samples SS-1 and SS-2 exceeding their respective NYSDOH ASAG standards. The PCE concentrations range from 16,000 $\mu g/m^3$ to 520 $\mu g/m^3$ and the TCE concentrations range from 9.4 $\mu g/m^3$ to 7.9 $\mu g/m^3$. Tetrachloroethylene was also identified in the indoor air sample IA-1 exceeding its respective regulatory standard.

Gasoline related hydrocarbons were also identified in the sub-slab vapor and indoor air vapor samples at concentrations exceeding their respective NYSDOH ASAG standards. These compounds consist of benzene, toluene, ethyl benzene and xylenes. Maximum concentrations for all BTEX compounds were all identified in the indoor air sample. The concentration for benzene in the indoor air sample was 81 $\mu g/m^3$. The concentration for toluene in the indoor air sample was 480 $\mu g/m^3$. The concentration for ethyl benzene in the indoor air sample was 95.0 $\mu g/m^3$. The concentration for total xylenes in the indoor air sample was 370.0 $\mu g/m^3$.

5.0 DISCUSSION OF RESULTS

5.1 Soil Quality

No VOCs were detected in any of the soil samples at concentrations exceeding their respective Unrestricted Use Standards. This is evidenced by the analytical results of the soil samples obtained from SP-1 through SP-4.

Trace concentrations of PCE were detected in the deep (10-12 feet) soil beneath the basement of the dry cleaners. While the concentration of PCE does not exceed SCOs, its presence at this depth may be indicative of a deeper, more adverse impact.

5.2 Sediment Quality

The sediment that was sampled in the interior structure identified in the central portion of the basement of 289 Warner Avenue did not show any exceedances of VOCs. This is evidenced by the analytical results of the floor drain sample, FD-1. Additionally, no organic vapors were detected from the headspace analysis performed on the sample.

5.3 Sub Slab Vapor Quality

Vapor associated with both chlorinated solvents and petroleum hydrocarbons were detected beneath the property as evidenced by the analytical results of SS-1 and SS-2. The primary chlorinated solvent identified is PCE, which is related to dry cleaning. The presence of the chlorinated solvents in sub slab vapor represents an adverse impact to the site. Chlorinated solvent vapors were most abundant in the northern portion of the Site and were detected at high concentrations.

The indoor air sample collected from the basement of the dry cleaner also displayed both chlorinated solvents and petroleum hydrocarbons. The concentrations of PCE were compared to the NYSDOH Soil Vapor/ Indoor Air Matrix B – Revised May 2017 to assess if further action is warranted. When compared to the matrix, the sub slab and indoor air concentrations for PCE warrant mitigation. The NYSDOH Decision Matrix summary is provided as **Table 4**.

6.0 CONCLUSIONS

Based upon the findings of the investigation, the following conclusions are provided:

- No VOCs were detected in any of the soil samples from the parking area adjacent to the dry cleaner and beneath the basement of the dry cleaner at concentrations exceeding their respective regulatory standards.
- PCE, a common dry cleaning solvent, was detected in 1 sample from beneath the basement at a concentration less than SCOs.
- No VOCs were detected in the sediment sample collected from the interior drainage structure at concentrations exceeding their respective regulatory standards.
- Vapors associated with both chlorinated solvents and petroleum hydrocarbons were detected in sub slab vapor beneath the dry cleaner and in the indoor air of the basement. The presence of these chlorinated solvent vapors is indicative of an adverse impact from the dry cleaner.
- An evaluation of the Decision Matrix from the NYSDOH Guidance indicates that the PCE in sub slab vapor requires mitigation.

7.0 RECOMMENDATIONS

Based upon the conclusions put forth in this report, the following recommendations are provided:

- Additional sub-slab and indoor air sampling should be conducted in the remaining commercial units to determine whether they are impacted with VOCs.

- A Mitigation Plan should then be developed to evaluate the optimum approach to remediate the VOCs in both vapor and ambient air. This work should be coordinated with both the New York State Department of Health and the Nassau County Department of Health.

- Due to the detection of PCE in soil beneath the basement, and the presence of the PCE in sub slab vapor, additional soil probe(s) should be installed to determine the vertical presence and magnitude of this impact. Additionally, a groundwater probe should be installed in the parking lot adjacent to the dry cleaner to determine any impact to groundwater.

8.0 REFERENCES

American Society for Testing Materials. (2011). *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process, ASTM E1901-11.* West Coshohocken. doi:10.1520/E1903-11

Cadmus, D., Hodgen, R., Gatto, L. M., & Puffer, J. H. (n.d.). *Geochemical traverse across Cameron's Line, Borough Hall Park, Bronx, New York.* Newark, New Jersey: Geology Department, Rutgers University.

Heynen Engineers (2008, January). Phase I Environmental Site Assessment: *281-301 Warner Avenue, Roslyn Heights, New York.*

New York State Department of Environmental Conservation. (2010). *CP-51 / Soil Cleanup Guidance.* Retrieved from http://www.dec.ny.gov/docs/remediation_hudson_pdf/cpsoil.pdf

New York State Department of Health (2006, October) Final Soil Vapor Intrusion Guidance. Revised May 2017.

Sanders, J. E. (n.d.). *Drainage History of the New York City Region.* Geology Department, Hofstra University.

United States Geological Survey. (2010). Long Island Depth to Water Viewer. Retrieved from http://ny.water.usgs.gov/maps/li-dtw10/

Walton, W. C. (1991). *Principals of Groundwater Engineering.* Chelsea, Michigan: Lewis Publishers, Inc.

9.0 EXCLUSIONS & DISCLAIMERS

The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client.

In preparing this report, Hydro Tech Environmental, Corp. may have relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to Hydro Tech Environmental, Corp. at the time of the subject property assessment. Although there may have been some degree of overlap in the information provided by these various sources, Hydro Tech Environmental, Corp. did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this subject property assessment.

Observations were made of the subject property and of structures on the Subject Property as indicated within the report. Where access to portions of the subject property or to structures on the subject property was unavailable or limited, Hydro Tech Environmental, Corp. renders no opinion as to the presence of non-hazardous or hazardous materials, or to the presence of indirect evidence relating to a non-hazardous or hazardous materials, in that portion of the subject property or structure. In addition, Hydro Tech Environmental, Corp. renders no opinion as to the presence of hazardous materials, or the presence of indirect evidence relating to hazardous materials, where direct observation of the interior walls, floors, or ceiling of a structure on a subject property was obstructed by objects or coverings on or over these surfaces.

Hydro Tech Environmental, Corp. did not perform testing or analyses to determine the presence or concentration of asbestos at the subject property or in the environment of the subject property under the scope of the services performed.

The conclusions and recommendations contained in this report are based in part, where noted, upon the data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

Any water level reading made in test pits, borings, and/or observation wells were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

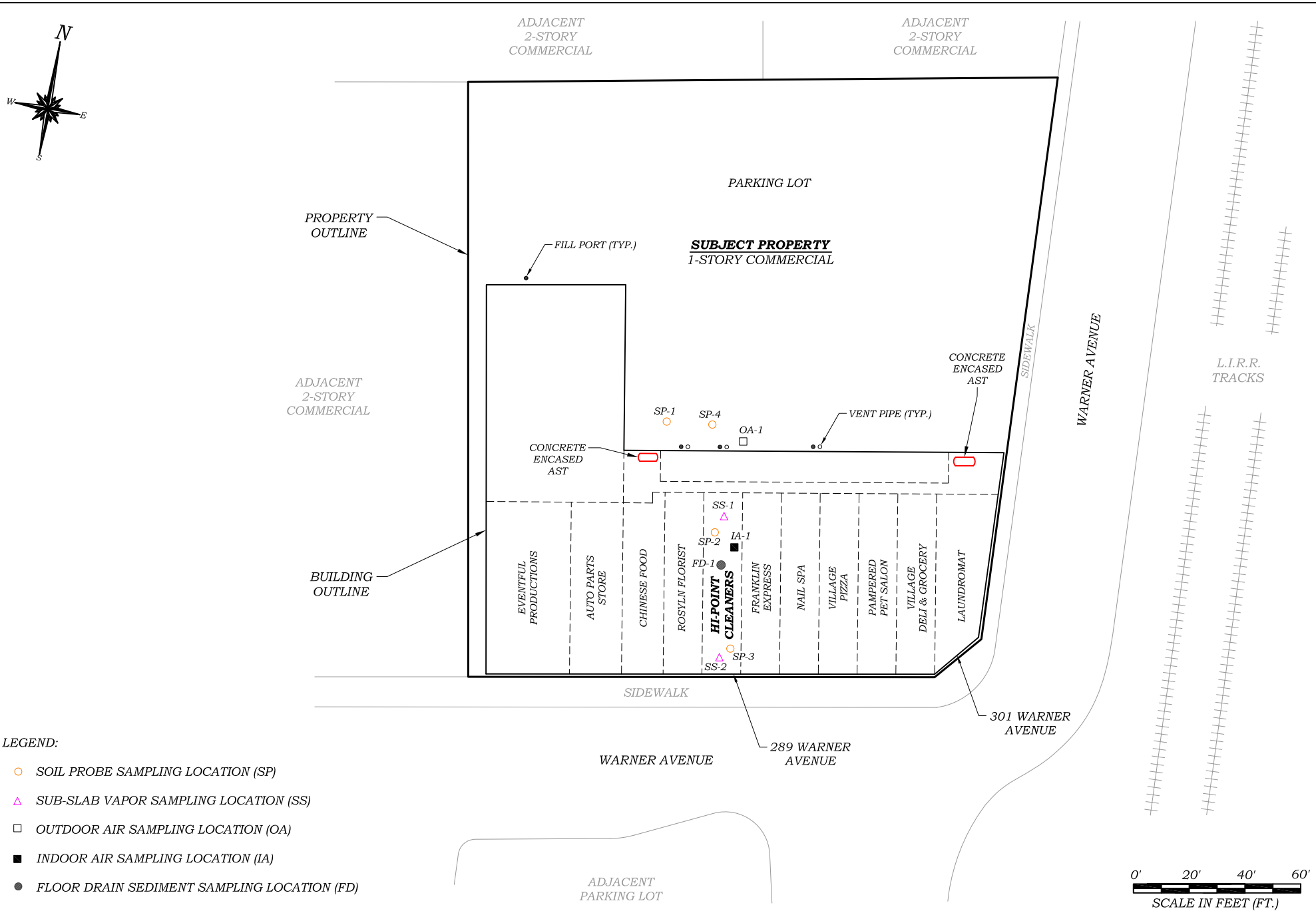
Except as noted within the text of the report, no qualitative laboratory testing was performed as part of the subject property assessment. Where an outside laboratory has conducted such analyses, Hydro Tech Environmental, Corp. has relied upon the data provided, and has not conducted an independent evaluation of the reliability of the data.

The conclusions and recommendations contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. The data have been reviewed and interpretations were made in the report. As indicated within the report, some of the data may be preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, the data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.

Chemical analyses have been performed for specific constituents during the course of this subject property assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study might be present in soil and/or groundwater at the subject property.

Any GPR survey described above was performed in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry. Hydro Tech Environmental, Corp. does not accept responsibility for survey limitations due to inherent technological limitations or site specific conditions, however, made appropriate effort to identify and notify the client of such limitations and conditions. In particular, please note that the survey described above does not represent a full utility clearance survey, and does not relieve any party of applicable legal obligations to notify a utility one-call service prior to excavating or drilling.

Figure 1: Site and Sampling Plan



LEGEND:

- ○ SOIL PROBE SAMPLING LOCATION (SP)
- △ SUB-SLAB VAPOR SAMPLING LOCATION (SS)
- □ OUTDOOR AIR SAMPLING LOCATION (OA)
- ■ INDOOR AIR SAMPLING LOCATION (IA)
- ● FLOOR DRAIN SEDIMENT SAMPLING LOCATION (FD)

HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
77 ARKAY DRIVE, SUITE G
HAUPPAUGE, NEW YORK 11788
T (631)462-5866 F (631)462-5877

NYC OFFICE:
15 OCEAN AVENUE, 2nd Floor
BROOKLYN, NEW YORK 11225
T (718)636-0800 F (718)636-0900

www.hydrotechenvironmental.com

281-301 Warner Avenue
Roslyn Heights, NY.
HTE Job # 170153

Drawn By: C.Q.
Reviewed By: A.N.
Approved By: M.R
Date: 06/13/17
Scale: AS NOTED

TITLE:

FIGURE 1: SITE & SAMPLING PLAN

Tables

Table 1

Soil Sample Laboratory Results - Volatile Organic Compounds (VOCs)

281-301 Warners Avenue, Roslyn Heights, NY

Sample ID	SP-1 (10'-12')		SP-2 (18'-20')		SP-3 (16'-18')		SP-4 (0'-2')		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residentail
Sampling Date	6/1/2017		6/1/2017		6/1/2017		6/1/2017			
Client Matrix	Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result			
Unit	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	Q	mg/Kg	mg/Kg
1,1,1-Trichloroethane	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	0.68	100
1,1-Dichloroethane	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	0.27	19
1,1-Dichloroethylene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	0.33	100
1,2,4-Trimethylbenzene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	3.6	47
1,2-Dichlorobenzene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	1.1	100
1,2-Dichloroethane	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	0.02	2.3
1,3,5-Trimethylbenzene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	8.4	47
1,3-Dichlorobenzene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	2.4	17
1,4-Dichlorobenzene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	1.8	9.8
1,4-Dioxane	<0.049	U	<0.055	U	<0.056	U	<0.049	U	0.1	9.8
2-Butanone	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	0.12	100
Acetone	<0.0049	U	<0.0055	U	<0.0056	U	<0.0049	U	0.05	100
Benzene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	0.06	2.9
Carbon tetrachloride	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	0.76	1.4
Chlorobenzene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	1.1	100
Chloroform	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	0.37	10
cis-1,2-Dichloroethylene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	0.25	59
Ethyl Benzene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	1	30
Methyl tert-butyl ether (MTBE)	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	0.93	62
Methylene chloride	<0.0049	U	<0.0055	U	**0.0063**	J	<0.0049	U	0.05	51
Naphthalene	<0.0025	U	**0.0096**	JB	<0.0028	U	<0.0025	U	12	100
n-Butylbenzene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	12	100
n-Propylbenzene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	3.9	100
o-Xylene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	NS	NS
p- & m- Xylenes	<0.0049	U	<0.0055	U	<0.0056	U	<0.0049	U	NS	NS
sec-Butylbenzene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	11	100
tert-Butylbenzene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	5.9	100
Tetrachloroethylene	<0.0025	U	**0.0040**	J	<0.0028	U	<0.0025	U	1.3	5.5
Toluene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	0.7	100
trans-1,2-Dichloroethylene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	0.19	100
Trichloroethylene	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	0.47	10
Vinyl Chloride	<0.0025	U	<0.0028	U	<0.0028	U	<0.0025	U	0.02	0.21
Total VOCs	ND		**0.0136**		**0.0063**		ND		NS	NS

Q is the Qualifier Column with definitions as follows:

B=analyte was detected in the batch blank

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

NS=No Standard

Table 2

Sediment Sample Laboratory Results - Volatile Organic Compounds (VOCs)

281-301 Warners Avenue, Roslyn Heights, NY

Sample ID	FD-1		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residentail
Sampling Date	6/1/2017			
Client Matrix	Soil			
Compound	Result			
Unit	mg/Kg	Q	mg/Kg	mg/Kg
1,1,1-Trichloroethane	<0.0023	U	0.68	100
1,1-Dichloroethane	<0.0023	U	0.27	19
1,1-Dichloroethylene	<0.0023	U	0.33	100
1,2,4-Trimethylbenzene	<0.0023	U	3.6	47
1,2-Dichlorobenzene	<0.0023	U	1.1	100
1,2-Dichloroethane	<0.0023	U	0.02	2.3
1,3,5-Trimethylbenzene	<0.0023	U	8.4	47
1,3-Dichlorobenzene	<0.0023	U	2.4	17
1,4-Dichlorobenzene	<0.0023	U	1.8	9.8
1,4-Dioxane	<0.046	U	0.1	9.8
2-Butanone	<0.0023	U	0.12	100
Acetone	**0.0088**	J	0.05	100
Benzene	<0.0023	U	0.06	2.9
Carbon tetrachloride	<0.0023	U	0.76	1.4
Chlorobenzene	<0.0023	U	1.1	100
Chloroform	<0.0023	U	0.37	10
cis-1,2-Dichloroethylene	<0.0023	U	0.25	59
Ethyl Benzene	<0.0023	U	1	30
Methyl tert-butyl ether (MTBE)	<0.0023	U	0.93	62
Methylene chloride	<0.0046	U	0.05	51
Naphthalene	<0.0023	U	12	100
n-Butylbenzene	<0.0023	U	12	100
n-Propylbenzene	<0.0023	U	3.9	100
o-Xylene	<0.0023	U	NS	NS
p- & m- Xylenes	<0.0046	U	NS	NS
sec-Butylbenzene	<0.0023	U	11	100
tert-Butylbenzene	<0.0023	U	5.9	100
Tetrachloroethylene	<0.0023	U	1.3	5.5
Toluene	<0.0023	U	0.7	100
trans-1,2-Dichloroethylene	<0.0023	U	0.19	100
Trichloroethylene	<0.0023	U	0.47	10
Vinyl Chloride	<0.0023	U	0.02	0.21
Total VOCs	**0.0088**		NS	NS

Q is the Qualifier Column with definitions as follows:

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

NS=No Standard

Table 3
Soil Vapor Sample Laboratory Results - Volatile Organic Compounds (VOCs)
281-301 Warner Avenue, Roslyn Heights, NY

Sample ID	SS-1		SS-2		IA-1		OA-1		NYSDOH Background Standards - Outdoor Air - 25th Pctl	NYSDOH Background Standards - Indoor Air - 25th Pctl	NYSDOH Background Standards - Indoor Air - Upper Fence
Sampling Date	6/1/2017		6/1/2017		6/1/2017		6/1/2017				
Client Matrix	Sub-Slab		Sub-Slab		Indoor Ambient Air		Outdoor Ambient Air				
Compound	Result		Result		Result		Result				
Unit	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	ug/m3	ug/m3
1,1,1,2-Tetrachloroethane	<15	U	<14	U	<0.79	U	<0.72	U	NS	NS	NS
1,1,1-Trichloroethane	<12	U	<11	U	<0.63	U	<0.58	U	0.25	0.25	2.5
1,1,2,2-Tetrachloroethane	<15	U	<14	U	<0.79	U	<0.72	U	0.25	0.25	0.4
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	<17	U	<16	U	<0.88	U	<0.81	U	0.25	0.25	2.5
1,1,2-Trichloroethane	<12	U	<11	U	<0.63	U	<0.58	U	0.25	0.25	0.4
1,1-Dichloroethane	<8.9	U	<8.5	U	<0.47	U	<0.43	U	0.25	0.25	0.4
1,1-Dichloroethylene	<8.7	U	<8.3	U	<0.46	U	<0.42	U	0.25	0.25	0.4
1,2,4-Trichlorobenzene	<16	U	<16	U	<0.85	U	<0.78	U	0.25	0.25	0.5
1,2,4-Trimethylbenzene	**39**	D	**36**	D	**130**	D	**5.3**	D	0.25	0.7	9.8
1,2-Dibromoethane	<17	U	<16	U	<0.88	U	<0.81	U	0.25	0.25	0.4
1,2-Dichlorobenzene	<13	U	<13	U	<0.69	U	<0.63	U	0.25	0.25	0.5
1,2-Dichloroethane	<8.9	U	<8.5	U	<0.47	U	<0.43	U	0.25	0.25	0.4
1,2-Dichloropropane	<10	U	<9.7	U	<0.53	U	<0.49	U	0.25	0.25	0.4
1,2-Dichlorotetrafluoroethane	<15	U	<15	U	<0.8	U	<0.74	U	0.25	0.25	0.4
1,3,5-Trimethylbenzene	**12**	D	**10**	D	**39**	D	**1.6**	D	0.25	0.25	3.9
1,3-Butadiene	<15	U	<14	U	**12**	D	<0.7	U	NS	NS	NS
1,3-Dichlorobenzene	<13	U	<13	U	<0.69	U	<0.63	U	0.25	0.25	0.5
1,3-Dichloropropane	<10	U	<9.7	U	<0.53	U	<0.49	U	NS	NS	NS
1,4-Dichlorobenzene	<13	U	<13	U	<0.69	U	<0.63	U	0.25	0.25	1.2
1,4-Dioxane	<16	U	<15	U	<0.83	U	<0.76	U	NS	NS	NS
2-Butanone	**22**	D	**12**	D	**6.5**	D	**2.3**	D	0.25	0.25	16
2-Hexanone	<18	U	<17	U	<0.94	U	<0.86	U	NS	NS	NS
3-Chloropropene	<34	U	<33	U	<1.8	U	<1.6	U	NS	NS	NS
4-Methyl-2-pentanone	<9	U	<8.6	U	<0.47	U	<0.43	U	0.25	0.25	1.9
Acetone	**85**	D	**71**	D	**25**	D	**100**	D	3.40	9.9	115
Acrylonitrile	<4.8	U	<4.5	U	<0.25	U	<0.23	U	NS	NS	NS
Benzene	**12**	D	**11**	D	**81**	D	**2.6**	D	0.6	1.1	13
Benzyl chloride	<11	U	<11	U	<0.59	U	<0.55	U	NS	NS	NS
Bromodichloromethane	<15	U	<14	U	<0.77	U	<0.71	U	NS	NS	NS
Bromoform	<23	U	<22	U	<1.2	U	<1.1	U	NS	NS	NS
Bromomethane	<8.5	U	<8.1	U	<0.45	U	<0.41	U	0.25	0.25	0.5
Carbon disulfide	<6.8	U	<6.5	U	<0.36	U	<0.33	U	NS	NS	NS
Carbon tetrachloride	<3.4	U	<3.3	U	**0.43**	D	**0.46**	D	0.25	0.25	1.3
Chlorobenzene	<10	U	<9.6	U	<0.53	U	<0.49	U	0.25	0.25	0.4
Chloroethane	<5.8	U	<5.5	U	<0.3	U	<0.28	U	0.25	0.25	0.4
Chloroform	<11	U	<10	U	<0.56	U	<0.51	U	0.25	0.25	1.2
Chloromethane	<4.5	U	<4.3	U	**0.9**	D	**0.89**	D	0.25	0.25	4.2
cis-1,2-Dichloroethylene	<8.7	U	<8.3	U	<0.46	U	<0.42	U	0.25	0.25	0.4
cis-1,3-Dichloropropylene	<9.9	U	<9.5	U	<0.52	U	<0.48	U	0.25	0.25	0.4
Cyclohexane	<7.5	U	<7.2	U	**88**	D	**1.8**	D	0.25	0.25	6.3
Dibromochloromethane	<19	U	<18	U	<0.98	U	<0.9	U	NS	NS	NS
Dichlorodifluoromethane	<11	U	<10	U	**2.1**	D	**7.8**	D	0.25	0.25	10
Ethyl acetate	<16	U	<15	U	**16**	D	**1.8**	D	NS	NS	NS
Ethyl Benzene	**29**	D	**25**	D	**95**	D	**4.2**	D	0.25	0.40	6.4
Hexachlorobutadiene	<23	U	<22	U	<1.2	U	<1.1	U	0.25	0.25	0.5
Isopropanol	**59**	D	**28**	D	**2.8**	D	**2.8**	D	NS	NS	NS
Methyl Methacrylate	<9	U	<8.6	U	<0.47	U	**2.9**	D	0.25	0.25	0.4
Methyl tert-butyl ether (MTBE)	<7.9	U	<7.5	U	<0.41	U	<0.38	U	0.25	0.25	14
Methylene chloride	<15	U	<15	U	<0.8	U	**5.9**	D	0.25	0.30	16
n-Heptane	**20**	D	**15**	D	**140**	D	**3.3**	D	0.25	1	18
n-Hexane	**19**	D	**17**	D	**240**	D	**5.8**	D	0.25	0.60	14
o-Xylene	**31**	D	**27**	D	**110**	D	**5.2**	D	0.25	0.40	7.1
p- & m- Xylenes	**93**	D	**88**	D	**260**	D	**15**	D	0.25	0.5	11
p-Ethyltoluene	**40**	D	**34**	D	**130**	D	**5.3**	D	NS	NS	NS
Propylene	**12**	D	**18**	D	**85**	DE	**6.8**	D	NS	NS	NS
Styrene	<9.3	U	<8.9	U	<0.49	U	<0.45	U	0.25	0.25	1.4
Tetrachloroethylene	**16,000**	D	**520**	D	**12**	D	**3.3**	D	0.25	0.25	2.5
Tetrahydrofuran	**34**	D	**17**	D	<0.68	U	<0.62	U	0.25	0.25	0.8
Toluene	**110**	D	**100**	D	**480**	D	**63**	D	0.60	3.5	57
trans-1,2-Dichloroethylene	<8.7	U	<8.3	U	<0.46	U	<0.42	U	NS	NS	NS
trans-1,3-Dichloropropylene	<9.9	U	<9.5	U	<0.52	U	<0.48	U	0.25	0.25	NS
Trichloroethylene	**9.4**	D	**7.9**	D	<0.15	U	<0.14	U	0.25	0.25	0.5
Trichlorofluoromethane (Freon 11)	<12	U	<12	U	**1.4**	D	**1.5**	D	0.25	1.1	12
Vinyl acetate	<7.7	U	<7.4	U	<0.4	U	<0.37	U	NS	NS	NS
Vinyl bromide	<9.6	U	<9.1	U	<0.5	U	<0.46	U	NS	NS	NS
Vinyl Chloride	<5.6	U	<5.3	U	<0.29	U	<0.27	U	0.25	0.25	0.4

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
U=analyte not detected at or above the level indicated
NS=No Standard

Sample exceeding NYSDOH Background Standards - Indoor Air - 25th Pctl
Sample exceeding NYSDOH Background Standards - Indoor Air - Upper Fence
Sample exceeding NYSDOH Background Standards - Outdoor Air - 25th Pctl

Table 4

NYSDOH Decisions Matrix

281-301 Warner Avenue, Roslyn Heights, NY

Sample ID	Sample Type	1,1-Dichloroethene (µg/m3)	1,1,1-Trichloroethane (ug/m3)	Carbon Tetrachloride (ug/m3)	cis-1,2-dichloroethene (ug/m3)	Tetrachloroethylene (ug/m3)	Trichloroethylene (ug/m3)	Vinyl Chloride (ug/m3)	NYSDOH Matrices Decision
SS-1	Soil Vapor	ND	ND	ND	ND	**16,000.0**	**9.40**	ND	**Mitigate**
IA-1	Indoor Air	ND	ND	**0.43**	ND	**12.0**	ND	ND	
SS-2	Soil Vapor	ND	ND	ND	ND	**520.0**	**7.90**	ND	**Mitigate**
IA-1	Indoor Air	ND	ND	**0.43**	ND	**12.0**	ND	ND	

ND=None Detected

Appendix A: Phase I Environmental Site Assessment

PHASE I ENVIRONMENTAL SITE ASSESSMENT
281-301 WARNER AVENUE
ROSLYN HEIGHTS, NEW YORK

Prepared for:

Peoples Bank
350 Bedford Street
Stamford, CT 06901

January 2008

Prepared by:

HEYNEN ENGINEERS
380 MAPLE AVENUE
CHESHIRE, CONNECTICUT 06410

PROJECT NO. C-3334

HEYNEN ENGINEERS

EARTH REMEDIATION SERVICES

Geotechnical and Environmental Services

January 30, 2008
Project No. C-3334

Peoples Bank
350 Bedford Street
Stamford, CT 06901

Attn: Daryl Black:

RE: Phase I Environmental Site Assessment
281-301 Warner Avenue
Roslyn Heights, NY

Dear Mr. Black:

Heynen Engineers is pleased to submit herewith our Phase I Environmental Site Assessment for the above-referenced site. We trust that our findings and conclusions outlined in this report will be responsive to your needs at this time.

We appreciate the opportunity to be of service to your office. Please do not hesitate to contact us if you need any further assistance.

Very truly yours,

HEYNEN ENGINEERS

Peter M. Heynen, PE
Principal

CONNECTICUT
380 Maple Avenue • Cheshire, Connecticut 06410
Tel: (203) 439-0063 • Fax: (203) 439-7036

MAINE
1 S. Waterboro Road • Lyman, Maine 04002
Tel: (207) 499-2604 • Fax: (207) 499-2604

TABLE OF CONTENTS
(Page 1 of 3)

TABLE OF CONTENTS
(Page 2 of 3)

TABLE OF CONTENTS
(Page 3 of 3)

FIGURES

APPENDICES

1.0 INTRODUCTION

In accordance with our proposal dated January 10, 2008, Heynen Engineers is pleased to submit herewith our Phase I Environmental Site Assessment (ESA) of the property located at 281-301 Warner Avenue, Roslyn Heights, New York. The purpose of this ESA is to render an opinion regarding the presence of hazardous substances in the environment at the subject property.

1.1 Scope of Services:

The scope of services performed by Heynen Engineers for this ESA consisted of the following:

1. Heynen Engineers performed a comprehensive site inspection to obtain any physical evidence suggesting the presence of hazardous materials in the environment.

2. Contacted certain local, state and federal agencies using the services of Environmental Data Resources (EDR), and reviewed their available files to obtain information concerning the presence of hazardous materials in the environment at the subject site. This review included readily available files at the town offices, the State of New York Department of Environmental Conservation (DEC), and the U. S. Environmental Protection Agency (EPA).

   The CERCLIS List-8, National Priorities List, RCRA Notifiers Listing, and the Inventory of Hazardous Waste Sites in New York was checked for properties located within a one-half mile radius of the subject site.

3. Reviewed available ownership records and other historical information to aid in establishing current and prior site usage. Such information included Assessors Office records, Sanborn Fire Insurance Maps, and aerial photographs when available.

4. Assessed the general hydrogeological setting based on field observations and topographical information. Reviewed available geological and water supply information.

5. Prepared a report summarizing the data obtained in items 1 through 4 above. The report culminates in our opinion regarding the presence of hazardous materials at the site. This opinion is based solely on the scope of work outlined above.

   Services with respect to performing asbestos inspections; radon surveys; urea formaldehyde inspections; geophysical surveys; and any other services not specifically outlined herein were not included in our current scope of services.

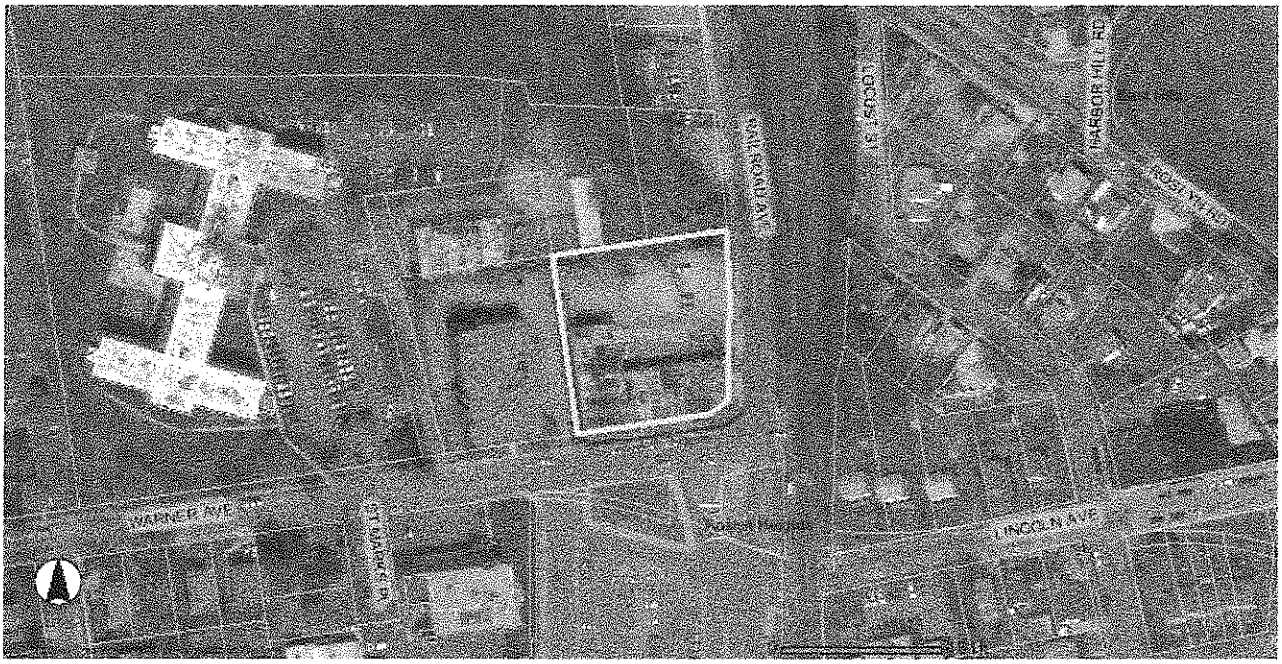
2.0 SITE DESCRIPTION

2.1 Site Location and Assessor's Office Identification: The subject property is located at 281-301 Warner Avenue in Roslyn Heights, New York. The property consists of approximately 0.8547 acre of land. The subject site lot size is 37,232 square feet. The approximate size of the building is 15,424 square feet. The location of the subject property is presented in the locus plan enclosed as Figure 1.

2.2 Present and Proposed Use of Property: The current property consists of a building with multiple retail stores. To our knowledge, the proposed usage of the property will not change. The following information are the types of retail stores that occupy the property:

Type of Usage	Address
Printing Business	281 Warner Avenue
Auto Parts	283 Warner Avenue
Chinese Restaurant	285 Warner Avenue
Vacant	287 Warner Avenue
Dry Cleaners	289 Warner Avenue
Flower Store	291 Warner Avenue
Nail Salon	293 Warner Avenue
Pizza Restaurant	295 Warner Avenue
Pet Grooming	297 Warner Avenue

Type of Usage	Address
Deli	299 Warner Avenue
Laundromat	301 Warner Avenue



2.3 Size of Parcel: The parcel consists of approximately 0.8547 acre of land.

2.4 Number and Type Of Structures On Property: The property is currently occupied by multiple retail stores. The building is one story with a cellar, and approximately15,424 square feet in size. The property's records located at the Village of Roslyn record department has recorded an approved application for building permit dated January 20, 1949. The following are records taken from the City Directory (Cole Criss-Cross Directory):

Year	Uses	Address on Warner
1972	Elko Textile Co	281

Year	Uses	Address on Warner
1977	Elko Textile Co	281
1982	Elko Textile Co	281
1987	Elko Textile Co	281
1992	Irv's Antique Barn	281
1972	Lees Flowers	285
1972	Duet Hair Stylist	287
1972	Station Café	297
1972	Jensens Delicatessen	299
1972	Oak Pharmacy	301
1977	Duet Hair Stylist	287
1977	Station Café	297
1977	Jensens Delicatessen	299
1977	Lee's Florist	301
1982	Tom Chinese Ktchn	285
1982	Duet Hair Stylist	287
1982	Station Café	297
1982	Jensens Delicatessen	299
1982	Lee's Florist	301
1987	Tom Chinese Ktchn	285
1987	Elohim 7 Bty Sln	287
1987	Jensens Delicatessen	299
1987	Lee's Florist	301
1992	Bo Bo Kichn	285

Year	Uses	Address on Warner
1992	Elohim 7 Bty Sln	287
1992	Jensens Delicattessen	299
1992	Lee's Florist	301
1992	Red Arrw Taxi Corp	301
1997	Irv's Antique Barn	283
1997	Bo Bo Chin Kitchn	285
1997	Elohim 7 Bty Sln	287
1997	Village Groc & Bgl	299
1997	Clean & Dry	301

2.5 Local/Adjacent Land Use (Zoning): The subject property is located in a commercial/residential area of Roslyn Heights.

2.6 Adjacent Properties and Their Current Use:

North: The subject site is abutted to the north by a small residential/commercial building and a nursery school.

East: The subject site is abutted to the east by the Rail Road tracks.

South: The subject site is abutted to the south by Warner Avenue then a parking lot for the train station and the Roslyn Heights Fire Department building.

West: The subject site is abutted to the west by the New York Telephone Company's building, now known as Verizon.

2.7 Site Utilities: The subject property is serviced by municipal water, electric, telephone, and sanitary sewer. The subject site had septic when the building was constructed. In 1959 a new cesspool was approved on the subject site. In 1961 the subject site was approved for sewer connection. All documentation concerning this matter is contained in appendix f.

3.0 SITE HISTORY

3.1 Town Assessor's Office Field Card Ownership Information:

Deeds	
Owner	**Date**
Joel Berger, John Downing, Mitchell Quain	07/18/2007
Estate of Leonard Olin	11/06/1978
Joel Berger	11/06/1978
281 Warner Realty Corp.	11/19/1971
639 W. 207 Corp.	11/02/1964
David Braunstein	11/02/1964
Isidore Shapiro	06/26/1963
WerShap Realty	06/10/1963
Isidore Shapiro	01/02/1958
WerShap Realty	01/08/1951
Entity Realty Group (Abe Stein)	12/05/1950
Warner-Roslyn Heights	11/05/1948
Roslyn Park Foundation	

3.2 Former Uses: The property is currently occupied by eleven businesses and one empty store front. Based on aerials and Sanborns the subject site was vacant prior to the building property that exists today.

3.3 Aerial Photograph Review: Aerial photographs were reviewed from the years 1953, 1966, 1976, 1980, and 1994.

1994: The site is shown in its current configuration.

1989: The site is shown in its current configuration.

1979: The site is shown in its current configuration.

1963: The site is shown in its current configuration.

1953: The site is shown in its current configuration. The abutting site to the west appears to not be developed.

3.4 **Sanborn Fire Insurance Map Review:** Sanborn Fire Insurance Maps were reviewed for the years 1902, 1908, 1920, 1931, 1941, and 1964.

The 1964 map shows the site in its current configuration.

In the 1902 through 1941 maps show the site with no development on it.

3.5 **History of Oil and Chemical Usage and Waste Generation On Site:** The subject site prior to 1953 was possibly heated with coal. In 1953 eight 275-gallon oil tanks were installed which we assume were installed to heat the building. It appears all the tanks were above ground tanks installed in the basement. At 289 Warner Avenue, Hi Point Cleaners uses chemicals for Dry Cleaning. In the appendix is documentation of waste generator.

3.6 **Previous Environmental Site Assessments Performed on the Subject Property:** No previous Environmental Site Assessments were reviewed by Heynen Engineers.

4.0 SITE FEATURES

4.1 **Surficial Geology:** A description of the surficial geology of the subject site was obtained from the Surficial Materials Map of New York. The area is mapped as end moraine deposits.

4.2 **Site Topography and Inferred Groundwater Flow Direction:** The topographic setting at the site can be described as irregular. There is as much as 30' to 40' of relief across the site (east to west).

The actual direction of groundwater migration west to northwest.

4.3 **Ground Cover:** Approximately 63% of the property is covered by the site building and 37% is paved parking and concrete sidewalks.

4.4 **Site Drainage:** The subject site drains by runoff towards the west and north.

4.5 **Wetlands:** There were no observed wetlands on the subject site.

4.6 **Water Supply Sources:**

a) On-Site Drinking Water Wells: No domestic wells were observed on the site.

b) On-Site Monitoring Wells: No monitoring wells were observed on the site.

5.0 SITE OBSERVATIONS

5.1 **Personnel Involved and Date of Site Visit:** On January 22, Mr. Peter M. Heynen, PE of Heynen Engineers visited the subject site in order to observe surficial conditions at the site and areas abutting the site for visual evidence of the presence of hazardous substances. Mr. Heynen was accompanied by Nick Fasolakis, of Community Realty. Mr. Heynen also spoke by phone with Mr. Joel Berger of Community Realty, the property owner. Pertinent observations are listed below.

5.2 **Site Observation Constraints:** The subject site is eleven retail stores of which ten are currently operating. The site access to the basement storage area had to be granted by each individual store. We observed the storage area for the Print Shop, Auto Parts Store, Dry Cleaner, Flower Shop and Laundromat. In the basement is a furnace, two hallways and individual storage units for stores located at 285-301 Warner Avenue. The Print Ship and Auto Parts store have there own full basements. The inspection of the Dry Cleaners was restricted because of cramped spaces and clutter. There were no constraints in any other parts of the property.

5.3 **Site Observations:** The site building is a one-story, 15,424 sf building which is occupied by multiple retail businesses. The site building has a basement that is used by the first floor occupants. The following are the stores located at 281-301 Warner Avenue.

Print Shop

281 Warner Avenue is heated with natural gas there were no observed spills. The area was cluttered but did not restrict our inspection, see Photo #1. Printing press not in use and basement, see Photo #2, foundation wall adjacent to Verizon property, Photo #3, No offset printing was going on. Some ink observed on table in containers.

Auto Parts Store

283 Warner Avenue is heated with oil, furnace and a 275 gallon AST is in the basement. No spills or leaks were observed. Photo #4 is a photo of the basement, Photo #5 is the first floor auto parts storage.

Chinese Restaurant

285 Warner Avenue is heated with an oil hot air furnace in the basement. There is a grease trap in the basement.

Vacant

287 Warner Avenue is vacant and is heated by natural gas.

Dry Cleaners

289 Warner Avenue is heated oil, furnace and a 275 gallon AST is in the basement. We were able to observe the basement and first floor by it was difficult to perform an inspection because of cramped space and clutter. There were no observed spills for the areas we could observe. Photo #6 is the new steel beams for supporting the dry cleaning machine above. Also the concrete floor has been filled in where their possibly was a hole. Photo #7 is a picture of condensate/expansion tank for steam boiler. Steam boiler is heated by oil, no spills were observed. Photo #8 is a picture of the storage of chemicals on the concrete floor in the basement. Photo #9 is the picture of constraints to be able to observe the basement. Photo #9a is the back of the dry cleaning machine on the 1st floor, and a 55 gallon drum marked Toxi, contents unknown. Photo #10 is the back of the dry cleaning machine. Photo #11 is the bathroom sink with hoses going into and over pipe, where they come from is unknown. Photo #12 is the front photo of the dry cleaner store.

Flower Store

291 Warner Avenue is not heated. No observed spills or environmental issues.

Nail Salon

293 Warner Avenue is heated with gas. No observed spills or environmental issues.

Pizza Restaurant

295 Warner Avenue has no heat. No observed spills or environmental issues.

Pet Grooming Parlor

297 Warner Avenue is heated with electricity. No observed spills or environmental issues.

Deli

299 Warner Avenue has no heat. No observed spills or environmental issues.

Laundromat

301 Warner Avenue is heated with oil, furnace and a 275 gallon AST is in the basement. Photo #13 is where the water line enters into the building, the concrete floor is broken up and there is a plastic hose going into it for the laundromat above. Photo #14 is the oil tank from the laundromat. The floor is stained with fuel oil. Possibly due to overfilling.

The following information pertains to observations of the exterior of 281-301 Warner Avenue. There are dumpsters for the retail stores. No observation of spills. There are three yard drains, all are in the exterior stair wells. There was no observed staining. Photo #15 is the rear of the property and parking lot. Photo #16 is of the front of the property and photo #17 is the rear of the property. The parking lot was observed, there were no major stainings in the parking lot. There were no stainings and leakings for the dumpsters on the site. Based on the topograph and location of the adjacent property we believe there is a low probability of adjacent property contaminating the subject property.

5.4 Site Photographs:

Photo #1: The photograph taken was taken in the basement of the printing store. Printing press not in use in the basement.

Photo #2: The photograph was taken at the printing store. The photograph shows the foundation wall adjacent to Verizon property

Photo #3: The photograph was taken at the printing store. No offset printing was going on. Some ink observed on table in containers.

Photo #4: The photograph was taken in the auto parts store basement.

Photo #5: The photograph shows the first floor auto parts storage.

Photo #6: The photograph was taken in the basment of the dry cleaning business. It shows the new steel beams for supporting the dry cleaning machine above. Also the concrete floor has been filled in where their possibly was a hole.

Photo #7: The photograph taken at the dry cleaner business is a picture of condensate/expansion tank for steam boiler. Steam boiler is heated by oil, no spills were observed.

Photo #8: The photograph taken at the dry cleaner's business is a picture of the storage of chemicals on the concrete floor in the basement.

Photo #9: The photograph taken in the dry cleaner's business is the picture of constraints to be able to observe the basement.

Photo #9a: The photograph taken at the dry cleaner business is the back of the dry cleaning machine on the 1st floor and a 55 gallon drum marked Toxi, contents unknown.

Photo #10: The photograph taken at the dry cleaner business is the back of the dry cleaning machine.

Photo #11: The photograph taken at the dry cleaner's business is the bathroom sink with hoses going into and over pipe, where they come from is unknown.

Photo #12: The photograph taken at the dry cleaner's business is the front photo of the dy cleaner store.

Photo #13: The photo taken at the laundromat is where the water line enters into the building, the concrete floor is broken up and there is a plastic hose going into it for the laundromat above.

Photo #14: The photo taken at the laundromat is the oil tank from the laundromat. The floor is stained with fuel oil. Possibly due to overfilling.

Photo #15: The photograph is taken on the subject site and shows the rear of the property and parking lot.

Photo #16: Photograph of the front of the subject site.

Photo #17: Photograph of the rear of the subject site, showing a dumpster and retaining wall.

5.5 Petroleum Product And Raw Chemical Storage: There is storage of petroleum product for heating. All tanks are 275 gallon ASTs. And there were no observed staining or leaks except at the laundromat (301 Warner Avenue), which appears to be overfilled. The Auto Parts store (283 Warner) has a chemical storage, there was no observed leaks or staining. The dry cleaners (289 Warner Avenue) stores chemicals and it was not possible to do a thorough inspection. The areas that were observed there was no stainings or spills except for around the tank, where there was minor oil staining.

5.6 Petroleum and Chemical Waste Generation And Disposal: The dry cleaner produces both liquid and solid chemical waste from its operation.

5.7 Air Emission Sources: The dry cleaner at 289 Warner Avenue has air emissions that are regulated by NY DEC.

5.8 Waste Water Discharge Sources: The subject site uses the sanitary sewer.

5.9 Visual Indications Of Contamination Of Building Interiors: The following were visual evidence of contamination:

1.) Staining of floor under the laundromat from a 275 gallon AST. Possibly an overfill.

2.) Minor staining on the floor near an air compressor in the basement of the dry cleaner.

5.10 Visual Indications Of Contamination Of Outside Grounds: There was no visual indicators of contamination on the outside grounds.

5.11 Solid Waste Or Hazardous Waste Deposits Observed On Site: There are dumpsters on the subject site, no staining or spills from the dumpsters.

5.12 Potential On-site Sources Of Contamination Observed During Site Visit: There is a possibility for on-site sources of contamination at the dry cleaners and auto parts store.

5.13 Potential Off-site Sources Of Contamination Observed During Site Visit: Potential off-site sources of contamination could result telephone companies building which has an underground storage tank.

5.14 Dielectric Fluid-Containing Electrical Devices: None were observed.

5.15 Floor Drains, Dry Wells, Pits, Sumps or Lagoons: Three drains were observed outside on the subject site.

6.0 REGULATORY FILE REVIEW

6.1 Site Federal Regulatory Identification: The subject site consists of multiple addresses, 281-301 Warner Avenue, the below information will be in reference to the multiple addresses:

a) State of New York Facility ID Number/Environmental Protection Agency (EPA) ID Number: 289 Warner Avenue has multiple ID numbers, please see attached information.

b) National Priority List (NPL) or Proposed National Priority List (Proposed NPL): The subject site is not listed as a NPL or Proposed NPL site.

c) Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) or CERCLIS No Further Remedial Action Planned (CERC-NFRAP): The subject site is not listed as a CERCLIS or CERC-NFRAP site.

d) Corrective Action Report (CORRACTS): The subject site is not listed as a CORRACTS site.

e) Transporters, Storage and Disposal (RCRA-TSDF), Large Quantity Generators (RCRA-LQG), Small Quantity Generators (RCRA-SQG), and/or Conditionally Exempt Small Quantity Generators (RCRA-CESQG) : 289 Warner Avenue is

listed as a RCRA-CESQG site. The RCRA ID for 289 Warner Avenue is NYD107677718.

f) Emergency Response Notification System (ERNS): The subject site is not listed as a ERNS site.

g) Superfund (CERCLA) Consent Decrees (CONSENT): The subject site is not listed as a CONSENT site.

h) Records of Decision (ROD): The subject site is not listed as a ROD site.

I) National Priority list Deletions (Delisted NPL): The subject site is not listed as a Delisted NPL site.

j) Facility Index System/Facility Identification Initiative Program Summary Report (FINDS): 289 Warner Avenue is listed as a FINDS site. The FINDS ID Number is 110001598165.

k) Hazardous Materials Information Reporting System (HMIRS): The subject site is not listed as a HMIRS site.

l) Material Licensing Tracking System (MLTS): The subject site is not listed as a MLTS site.

m) Mines Master Index File (MINES): The subject site is not listed as a MINES site.

n) Federal Superfund Liens (NPL Liens): The subject site is not listed as a NPL Lien site.

o) PCB Activity Database System (PADS): The subject site is not listed as a PADS site.

p) Formerly Used Defense Sites (FUDS): The subject site is not listed as a FUDS site.

q) Uranium Mill Tailings Sites (UMTRA): The subject site is not listed as a UMTRA site.

r) Open Dump Inventory (ODI): The subject site is not listed as a ODI site.

s) Indian Reservations (Indian Reserv): The subject site is not listed as a Indian Reservation site.

t) Department of Defense Sites (DOD): The subject site is not listed as a DOD site.

u) RCRA Administrative Action Tracking System (RAATS): The subject site is not listed as a RAATS site.

v) Toxic Chemical Release Inventory System (TRIS): The subject site is not listed as a TRIS site.

w) Toxic Substances Control Act (TSCA): The subject site is not listed as a TSCA site.

x) Section 7 Tracking Systems (SSTS): The subject site is not listed as a SSTS site.

y) Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and/or Tracking System (FTTS INSP): The subject site is not listed as a FIFRA/FTTS INSP site.

z) (ICIS): 289 Warner Avenue is listed with an ICIS ID. 289 Warner Avenue's ICIS id is 14959.

6.2 NPL or Proposed NPL Sites Within a One-Mile Radius of the Subject Site: Based on the NPL listing, there are no NPL or Proposed NPL sites within a one-mile radius of the subject site.

6.3 CERCLIS Sites Within a Half-Mile Radius of the Subject Site: Based on the CERCLIS listing there are no CERCLIS sites within a half-mile radius of the subject site.

6.4 CERCLIS-NFRAP Sites Within a Half-Mile Radius of the Subject Site: Based on the CERCLIS-NFRAP listing there are no CERCLIS-NFRAP sites within a quarter-mile radius of the subject site.

6.5 CORRACTS Sites Within a One-Mile Radius of the Subject Site: Based on the CORRACTS listing there is one CORRACTS sites within a one-mile radius of the subject site.

Name	Address	Distance From Site	EPA ID Number
Texaco USA	Landing Road & Skillman	½ mile to 1 mile	NYD0000692459

6.6 **RCRIS-TSD Sites Within a Half-Mile Radius of the Subject Site:** Based on the RCRIS-TSD listing there are no RCRIS-TSD sites within a half-mile radius of the subject site.

6.7 **RCRIS LG/SM QUANTITY GENERATOR Sites Within a Quarter-Mile Radius of the Subject Site:** Based on the RCRA Notifiers listing, there are no RCRA notifiers within a quarter-mile radius of the subject site.

6.8 **RCRA-CESQG Sites Within a Quarter-Mile Radius of the Subject Site:** Based on the RCRA Notifiers listing, there is one RCRA-CESQG within a quarter-mile radius of the subject site.

Name	Address	Distance From Site	EPA ID Number
Jee & Jung Corp DBA Habor Hil	26 Lincoln Ave	0-1/8 ESE	NYD986888295

6.9 **RCRA-NONGEN Sites Within a Quarter-Mile Radius of the Subject Site:** Based on the RCRA Notifiers listing, there are two RCRA-NonGen notifiers within a quarter-mile radius of the subject site.

Name	Address	Distance From Site	ID Number
New York Telephone Co	277 Warner Ave	0-1/8 WSW	NYD980790224
Roslyn Union Free School Dist	240 Willow St	1/8-1/4 SW	NYR000044719

6.10 **CONSENT Sites Within a One-Mile Radius of the Subject Site:** Based on the CONSENT listing there are no sites within a one-mile radius of the subject site.

6.11 ROD Sites Within a One-Mile Radius of the Subject Site: Based on the ROD listing there are no sites within a one-mile radius of the subject site.

6.12 Delisted NPL Sites Within a One-Mile Radius of the Subject Site: Based on the Delisted NPL Site listing there are no sites within a one-mile radius of the subject site.

6.13 MINES Sites Within a Quarter-Mile Radius of the Subject Site: Based on the MINES Site listing there are no sites within a quarter-mile radius of the subject site.

6.14 FUDS Sites Within a One-Mile Radius of the Subject Site: Based on the FUDS Site listing there are no sites within a one-mile radius of the subject site.

6.15 Uranium Mill Tailings (UMTRA) Sites Within a Half-Mile Radius of the Subject Site: Based on the UMTRA Site listing there are no sites within a half-mile radius of the subject site.

6.16 Open Dump Inventory (ODI) Sites Within a Half-Mile Radius of the Subject Site: Based on the ODI site listing there are no sites within a half-mile radius of the subject site.

6.17 Indian Reserv Sites Within a One-Mile Radius of the Subject Site: Based on the Indian Reserv Site listing there are no sites within a one-mile radius of the subject site.

6.18 DOD Sites Within a One-Mile Radius of the Subject Site: Based on the DOD Site listing there are no sites within a one-mile radius of the subject site.

6.19 DEC/DEP STATE File Review: On January 17, 2008, an Environmental Data Resources (EDR) Report was generated for the subject site. A Copy of this report can be found in Appendix B. A Freedom of Information request was submitted to DEC and the EPA for the most updated records regarding the site. The results will not be available for 5-6 weeks.

STATE HAZARDOUS WASTE Sites Within a One-Mile Radius of the Subject Site: Based on the State Hazardous Waste listing there is one State Haz Waste site within a one-mile radius of the subject site.

FACILITY ID NUMBER	NAME AND ADDRESS	DISTANCE FROM SITE
S108146760	Roslyn Air National Guard 209 Harbor Hill Road	1/4 to ½ mile

STATE LANDFILL Sites Within a Half-Mile Radius of the Subject Site: Based on the State Landfill listing there are no State Landfill site within a half-mile radius of the subject site.

LEAKING STORAGE TANK INCIDENT REPORTS (LTANKS) Sites Within a Half-Mile Radius of the Subject Site: Based on the Leaking Storage Tank listing there are twenty-five LTANKS site within a half-mile radius of the subject site.

NAME AND ADDRESS	DISTANCE FROM SITE	STATUS
Sun Harbor Manor Nursing 255 Werner Avenue	0-1/8 NW	Date Closed: 02/18/04
Sun Harbor Manor Nur Home 255 Warner Avenue	0-1/8 WSW	Date Closed: 10/03/88 Date Closed: 10/03/06
Roslyn School District	0-1/8 SSW	Date Closed: 01/23/87
Kroylse Mgt Company 12 Edwards Street	1/8-1/4 W	Date Closed: 06/11/91
Roslyn Gardens Tenants Co 12 Edwards Street	1/8-1/4 W	Date Closed: 02/17/95
Krisel Management 45 Edwards Street	1/8-1/4 W	Date Closed: 02/04/98
Krisel Management 85 Edwards Street	1/8-1/4 W	Date Closed: 02/04/98
Krisel Management 94 Edwards Street	1/8-1/4 W	Date Closed: 02/04/98

NAME AND ADDRESS	DISTANCE FROM SITE	STATUS
Roslyn High School Round Hill Road	1/8-1/4 W	Date Closed: 09/26/89
Gerstenblatt Residence 180 Redwood Drive	1/4-1/2 ESE	Date Closed: 03/20/98
Air National Guard Statio 209 Harbor Hill Road	1/4-1/2 ENE	Date Closed: 02/10/97
Hartwell Residence 134 Warner Avenue	1/4-1/2 W	Date Closed: 01/10/02
Business 110 Mineola Avenue	1/4-1/2 WSW	Date Closed: 03/10/06
Pierce Day School Mineola Avenue	1/4-1/2 W	Date Closed: 01/27/89
Roslyn Junior High School Locust Lane	1/4-1/2 ESE	Date Closed: 11/07/91
Roslyn School District Locust Avenue	1/4-1/2 ESE	Date Closed: 11/07/91
East Hills Schools Locust Lane	1/4-1/2 ESE	Date Closed: 11/07/91
Residence 75 Peach Drive	1/4-1/2 NE	Date Closed: 08/17/98
Bjorkman Residence 17 Lincoln Avenue	0-1/8 ESE	Date Closed: 07/27/05
Roslyn School District Round Hill Road	1/8-1/4 ENE	Date Closed: 11/07/91
Roslyn St. High School Roslyn Sr High School	1/8-1/4 E	Date Closed: 11/01/91

NAME AND ADDRESS	DISTANCE FROM SITE	STATUS
Carbo Concord Roslyn Rd/Church St	1/8-1/4 SE	Date Closed: 02/12/89
JMI Apartment Bldg 100 Laurel Street	1/4-1/2 SSE	Date Closed: 02/24/92
Temple Beth Scholom Roslyn Road	1/4-1/2 SSE	Date Closed: 06/14/89
Trattoria Dimeo Café 183 Roslyn Road	1/4-1/2 SSE	Date Closed: 01/04/99

UNDERGROUND STORAGE TANK (UST) Sites Within a Quarter-Mile Radius of the Subject Site: Based on the Underground Storage Tank listing there are four UST site within a quarter-mile radius of the subject site.

NAME AND ADDRESS	DISTANCE FROM SITE
Sunharbor Manor Nurs. Home 255 Warner Avenue	0-1/8 WSW
Verizon 277 Warner Ave	1/8-1/4 W
Roslyn Gardens 1-108 Edwards St.	1/8-1/4 W
Chalet Restaurant & Bar 5 Railroad Ave	0-1/8 N

SWRCY Recycling Facility Sites Within a Half-Mile Radius of the Subject Site: Based on the SWRCY listing there are no SWRCY sites within a half-mile radius of the subject site.

Voluntary Remediation (VCP) Sites Within a Half-Mile Radius of the Subject Site: Based on the Voluntary Remediation listing there are no VCP sites within a half-mile radius of the subject site.

Above Ground Storage Tank Sites (AST): Based on the Aboveground Storage Tank database there is one AST site within a quarter-mile radius of the subject site.

NAME AND ADDRESS	DISTANCE FROM SITE
Sunharbor Manor H.R.F 255 Waner Ave	**0-1/8 WSW**

NY SPILLS LIST (SPILLS):. SPILLS files were reviewed for incidents occurring on the subject property and adjacent properties.

NAME AND ADDRESS	DISTANCE FROM SITE	STATUS
Sun Harbor Manor Nursing 255 Warner Avenue	0-1/8 WSW	Date Closed 03/30/04
Main Force Line Roslyn/Harbor Hill Rd	0-1/8 NE	Date Closed: 05/05/04
In Drainage Ditch Main Avenue/Railroad Av	0-1/8 N	Dated Closed: 01/04/96
Puryear Residence (Tenant) 31 Roslyn Road	0-1/8 ENE	Date Closed: 03/23/90

DRYCLEANERS:. A review of the Drycleaners list documents the subject site as a drycleaning facility and another site within a quarter-mail radius of the subject site.

NAME AND ADDRESS	DISTANCE FROM SITE
Harbour Hill Cleaners 26 Lincoln Avenue	**0-1/8 ESE**

7.0 CONCLUSIONS

Based on the studies conducted and observations made as part of the present ESA, we have developed the following conclusions:

1) The subject site has been occupied by ten to eleven retail stores since its construction in 1949. Based on City Directories the use of the building by retailers has generally been the same.

2) The subject site in 1953 got a permit to install 8 above ground storage tanks, AST, 275 gallon tanks. Assumed to be 275 gallon tanks for fuel oil to heat the retail stores.

3) At 289 Warner Avenue, the dry cleaner's AST containing fuel oil leaked. In 1998 the file was closed in reference to the leaking AST.

4) At 289 Warner Avenue there was reports by NY DEC that there was a hole in the concrete floor of 289 Warner and that the liquid waste was going into the hole from the dry cleaning operation. It is unclear if this file is closed by NY DEC.

5) There is a hole in the basement of the laundromat located at 301 Warner Avenue. It is for the water supply for the building. There is a 1 ½" white hose into it. This should be removed.

6) At 301 Warner Avenue there is oil staining under and around the fuel oil tank, this should be cleaned up and determine the cause of the spill.

7) At 289 Warner Avenue there is oil staining near a compressor this should be cleaned up and determine the cause.

8) At 391 Warner Avenue there was an oil spill due to a fill pipe leak, the soil/gravel area was excavated and the soil was picked up and disposed of. This incident was reported on November 21st, 1992 and the case was closed on November 24th, 1992.

9) Surrounding properties have a low probability of risk from off-site contamination.

10) There appears to be a change from fuel oil to a heating source of other

methods. Fills, vents and tanks not in use should be removed or filled with concrete so they can not be accidently filled.

11) Based on the information obtained during our investigation, Heynen Engineers feels that the property has not been negatively impacted in present site used for all tenants except 289 Warner Avenue, the dry cleaners. At 289 Warner Avenue, the dry cleaners, the site restrictions and lack of any NY DEC documentation make it not possbile to make a determination.

12)A Freedom of Information request was submitted to DEC and the EPA for the most updated records regarding the site. The results will not be available for 5-6 weeks. After Heynen Engineers receives this information they will be able to make further conclusions if necessary.

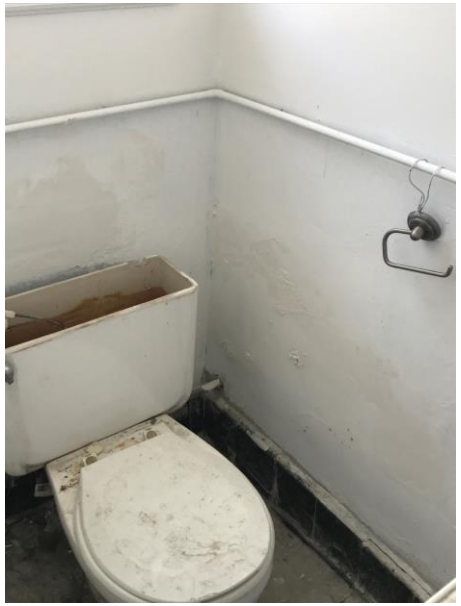
8.0 LIMITATIONS

Please note that this report is subject to the limitations contained in Appendix A.

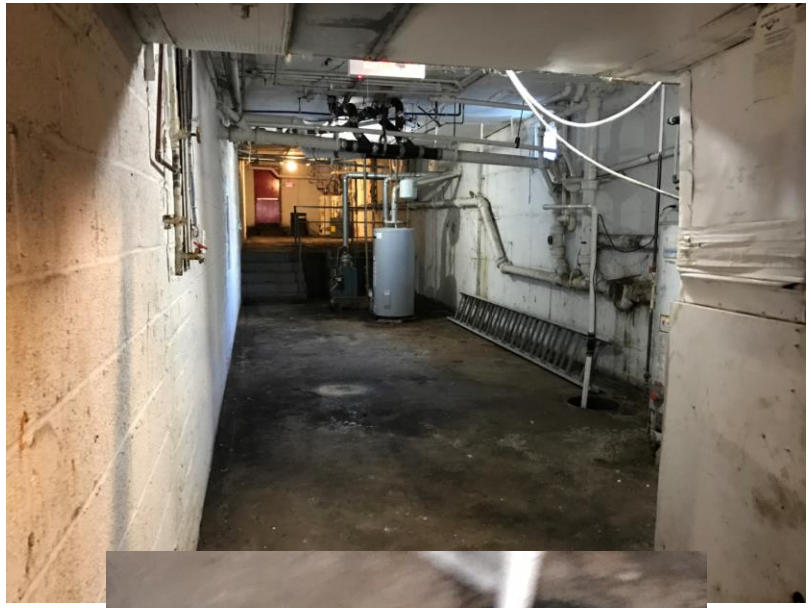
This study and report have been prepared on behalf of and for the exclusive use of Peoples Bank solely for use in an environmental evaluation of the site. The report and findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party, in whole or in part, without prior written consent of Heynen Engineers. However, we acknowledge and agree that the report may be conveyed to the Lender, Title Insurer and Legal Counsel associated with the proximate transaction of the site.

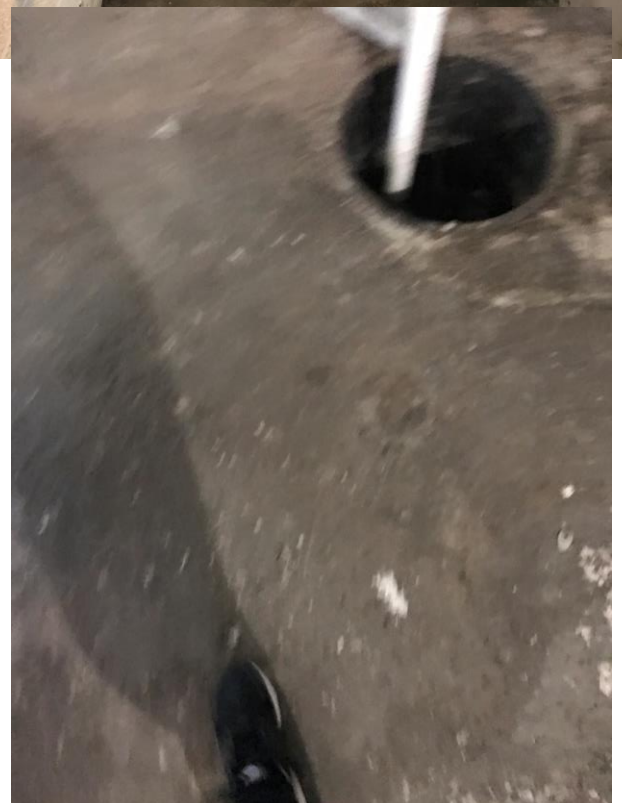
Appendix B: Photographs


CAUTION
2yd




EXIT

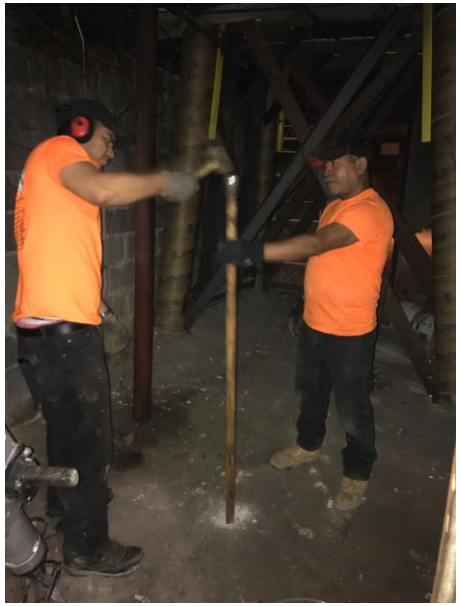


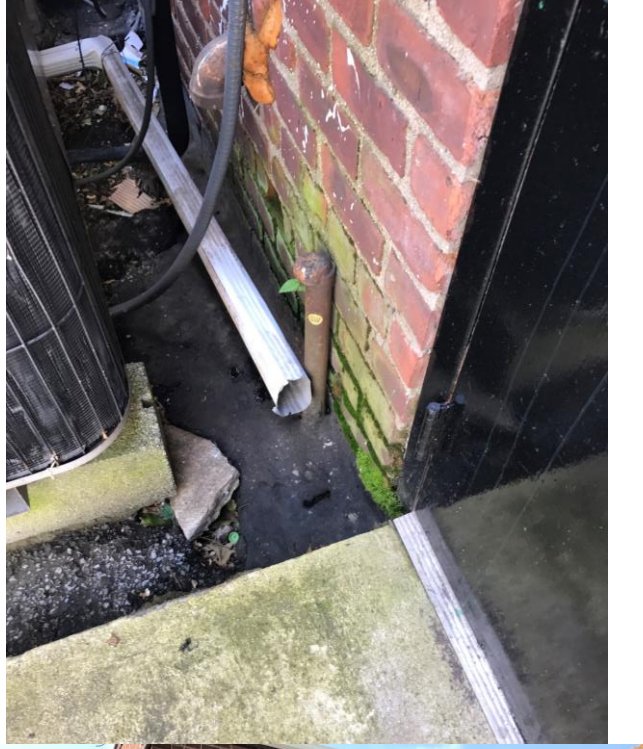


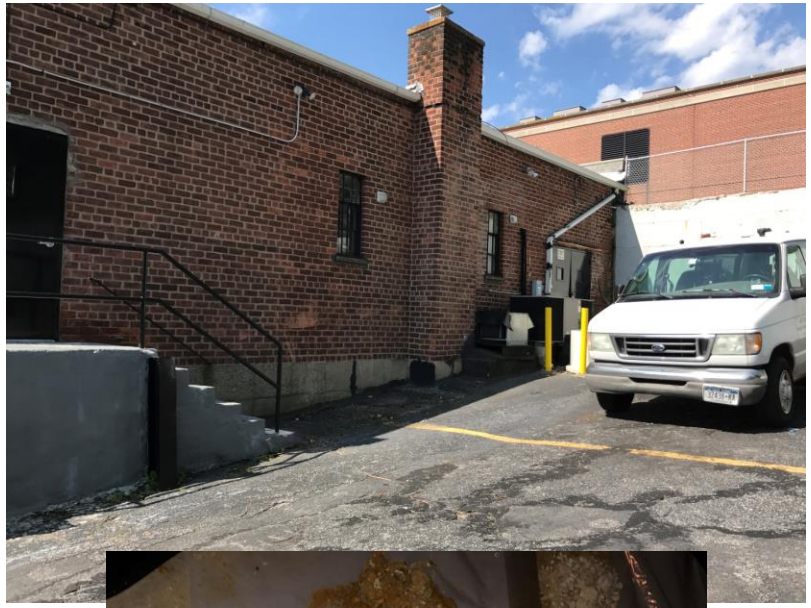

Smith

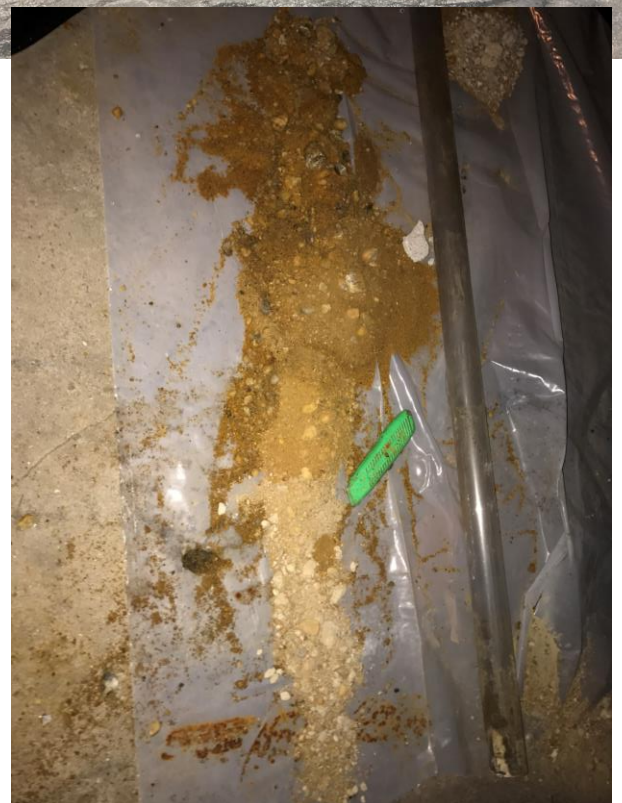

EXIT


EXIT










Village Deli & Grocery


LAUNDR MAT

Appendix C: Soil Probe Logs

Hydro Tech Environmental, Corp.

Main Office
77 Arkay Drive Suite G
Hauppauge, NY 11786
T (631) 462-5866 · F (631) 462-5877

NYC Office
15 Ocean Avenuet, 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 · F (718) 636-0900

www.hydrotechenvironmental.com

Soil Probe Log

Job No: 170153
Date: 6/1/2017
Page: 1 of 1

Location: 281-301 Warner Avenue, Roslyn Heights, NY 11576
Sampling Interval: 2 Feet
Sampling Method: Grab
Boring No.: SP-1
Driller: Envirodrill
Drilling Method: Geoprobe
Depth to Water: N/A
Total Depth: 12 Feet

USCS SYMBOLS

GW - Well Graded Gravel
SW - Well Graded Sand
ML - Inorganic Silt / Sandy Silt
CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel
SP - Poorly Graded Sand
CL - Inorganic Clays/Sandy Clay
OH - Organic Silt / Clay
GM - Silty Gravel
SM - Silty Sand
OL - Inorganic Silts/Organic Silty Clay
PT - Peat/High Organics
GC - Clayey Gravel
SC - Clayey Sand
MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Asphalt. No odor.
-2	0.0	SP	Asphalt. No odor.
-4	0.0	SP	Sand mixed with pebbles. No odor.
-6	0.0	SP	Sand mixed with pebbles. No odor.
-8	0.0	SP	Sand mixed with pebbles. No odor.
-10	0.0	SP	Sand mixed with pebbles. No odor.
-12			

Hydro Tech Environmental, Corp.

Main Office
77 Arkay Drive Suite G
Hauppauge, NY 11786
T (631) 462-5866 · F (631) 462-5877

NYC Office
15 Ocean Avenuet, 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 · F (718) 636-0900

www.hydrotechenvironmental.com

Soil Probe Log

Job No: 170153
Date: 6/1/2017
Page: 1 of 1

Location: 281-301 Warner Avenue, Roslyn Heights, NY 11576
Sampling Interval: 2 Feet
Sampling Method: Grab
Boring No.: SP-2
Driller: Envirodrill
Drilling Method: Geoprobe
Depth to Water: N/A
Total Depth: 22 Feet

USCS SYMBOLS

GW - Well Graded Gravel
SW - Well Graded Sand
ML - Inorganic Silt / Sandy Silt
CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel
SP - Poorly Graded Sand
CL - Inorganic Clays/Sandy Clay
OH - Organic Silt / Clay
GM - Silty Gravel
SM - Silty Sand
OL - Inorganic Silts/Organic Silty Clay
PT - Peat/High Organics
GC - Clayey Gravel
SC - Clayey Sand
MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0 to -10	0.0	SP	Basement is approximately 10 feet bgs.
-10 to -12	0.0	SP	Cement with sand mixed with pebbles. No odor.
-12 to -14	0.0	SP	Sand mixed with pebbles. No odor.
-14 to -16	0.0	SP	Sand mixed with pebbles. No odor.
-16 to -18	0.0	SP	Sand mixed with pebbles. No odor.
-18 to -20	0.0	SP	Sand mixed with pebbles. Slight petroleum odor.
-20 to -22	5.0	SP	Sand mixed with pebbles. No odor.

Hydro Tech Environmental, Corp.

Main Office
77 Arkay Drive Suite G
Hauppauge, NY 11786
T (631) 462-5866 · F (631) 462-5877

NYC Office
15 Ocean Avenuet, 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 · F (718) 636-0900

www.hydrotechenvironmental.com

Soil Probe Log

Job No: 170153
Date: 6/1/2017
Page: 1 of 1

Location: 281-301 Warner Avenue, Roslyn Heights, NY 11576
Sampling Interval: 2 Feet
Sampling Method: Grab
Boring No.: SP-3
Driller: Envirodrill
Drilling Method: Geoprobe
Depth to Water: N/A
Total Depth: 22 Feet

USCS SYMBOLS

GW - Well Graded Gravel
SW - Well Graded Sand
ML - Inorganic Silt / Sandy Silt
CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel
SP - Poorly Graded Sand
CL - Inorganic Clays/Sandy Clay
OH - Organic Silt / Clay
GM - Silty Gravel
SM - Silty Sand
OL - Inorganic Silts/Organic Silty Clay
PT - Peat/High Organics
GC - Clayey Gravel
SC - Clayey Sand
MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0 to -10	0.0	SP	Basement is approximately 10 feet bgs.
-10 to -12	0.0	SP	Cement with sand mixed with pebbles. No odor.
-12 to -14	0.0	SP	Sand mixed with pebbles. No odor.
-14 to -16	0.0	SP	Sand mixed with pebbles. No odor.
-16 to -18	0.0	SP	Sand mixed with pebbles. No odor.
-18 to -20	0.0	SP	Sand mixed with pebbles. No odor.
-20 to -22	0.0	SP	Sand mixed with pebbles. No odor.

Hydro Tech Environmental, Corp.

Main Office
77 Arkay Drive Suite G
Hauppauge, NY 11786
T (631) 462-5866 · F (631) 462-5877

NYC Office
15 Ocean Avenuet, 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 · F (718) 636-0900

www.hydrotechenvironmental.com

Soil Probe Log

Job No: 170153
Date: 6/1/2017
Page: 1 of 1

Location: 281-301 Warner Avenue, Roslyn Heights, NY 11576
Sampling Interval: 2 Feet
Sampling Method: Grab
Boring No.: SP-4
Driller: Envirodrill
Drilling Method: Geoprobe
Depth to Water: N/A
Total Depth: 12 Feet

USCS SYMBOLS

GW - Well Graded Gravel
SW - Well Graded Sand
ML - Inorganic Silt / Sandy Silt
CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel
SP - Poorly Graded Sand
CL - Inorganic Clays/Sandy Clay
OH - Organic Silt / Clay
GM - Silty Gravel
SM - Silty Sand
OL - Inorganic Silts/Organic Silty Clay
PT - Peat/High Organics
GC - Clayey Gravel
SC - Clayey Sand
MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Asphalt, cement and sand mixed with pebbles. No odor.
-2	0.0	SP	Sand mixed with pebbles. No odor.
-4	0.0	SP	Sand mixed with pebbles. No odor.
-6	0.0	SP	Sand mixed with pebbles. No odor.
-8	0.0	SP	Sand mixed with pebbles. No odor.
-10	0.0	SP	Sand mixed with pebbles. No odor.
-12			

Appendix D: Soil Vapor Sampling Log

AMBIENT AIR/SOIL VAPOR SAMPLING LOG SHEET

Weather Conditions during past 24-48 hrs:

Building Ventilation Conditions: Sealed, Poor Ventilation

Source(s) of VOCs in Area: Dry Cleaners on Site

Sample Coordinates																					
Sample ID	Sampling Date	Air Matrix	Sub-Surface Installation			Sampler Name	Indoor PID Reading (ppm)	Indoor air temp (°F)	Summa Canister ID	Canister Volume (L)	Purge Volume(s) (L)	Helium Detector (µg/L)		Time start (24 hr)	Time Stop (24 hr)	Canister Vacuum ("Hg)		Total Volume Extracte (L)	Weather (Wind, Dry, Moist, Saturated, temp) of Sampling Zone
			Date	Time	Depth							Start	Stop			Before	After		
SS-1	6/1/17	SB	6/1/17	9:40AM	6in	Sudley Perez	2.2	70F	454	6L	3L								
SS-2	6/1/17	SB	6/1/17	9:48AM	6in	"	0.6		451	6L				10:01AM	2:00pm	-29	-7		Dry, Warm
IA-1	6/1/17	AI	/	/	/	"	0.6		16956	6L				10:01AM	2:03pm	-24	-1		
OA1	6/1/17	AO	/	/	/	"	N/A		17351	6L				10:07AM	2:01pm	-27	-5		
														10:06AM	1:53pm	-29	-5		

Air Matrix Codes:
AI - Indoor Air
AO- Outdoor Air
SV - Soil Vapor
SB - Sub-slab

Notes :

Appendix E: NYSDOH Indoor Air Quality Questionnaire

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Sudley Perez Date/Time Prepared 6/1/17

Preparer's Affiliation Hydro Tech Environmental, Corp. Phone No. _____

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: Karlik First Name: Jonathan

Address: 1044 Northern Blvd, Suite 303, Roslyn Heights, NY 11576

County: Nassau

Home Phone: _____ Office Phone: 516-622-7500

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential School (Commercial/Multi-use)
Industrial Church Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Food, Laundry mat, pet grooming, Event Venue

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 2 Building age 68

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. **BASEMENT AND CONSTRUCTION CHARACTERISTICS** (Circle all that apply)

a. Above grade construction:	(wood frame)	concrete	stone	brick
b. Basement type:	(full)	crawlspace	slab	other _____
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	(uncovered)	covered	covered with _____	
e. Concrete floor:	(unsealed)	sealed	sealed with _____	
f. Foundation walls:	poured	(block)	stone	other _____
g. Foundation walls:	(unsealed)	sealed	sealed with _____	
h. The basement is:	wet	(damp)	dry	moldy
i. The basement is:	finished	(unfinished)	partially finished	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / (N) / not applicable			

Basement/Lowest level depth below grade: 10 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Junk pipes, boiler room pipes exiting basement. Large wood hole in ground.

6. **HEATING, VENTING and AIR CONDITIONING** (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard
Space Heaters	Stream radiation	Radiant floor
Electric baseboard	Wood stove	Outdoor wood boiler

Other _____

The primary type of fuel used is:

Natural Gas	(Fuel Oil)	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in: (Basement) Outdoors Main Floor Other _____

Air conditioning: (Central Air) Window units Open Windows None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally (Seldom) Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Storage, boiler room, empty units
1st Floor	Commercial, food, laundromat, pet ~~grooming~~ grooming
2nd Floor	N/A
3rd Floor	N/A
4th Floor	N/A

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? (Y) / N Where & Type? Event Planning business

g. Is there smoking in the building? Y / N How frequently? N/A

h. Have cleaning products been used recently? (Y) / N When & Type? Grooming products & housekeeping products

i. Have cosmetic products been used recently? Y / N When & Type? N/A

j. Has painting/staining been done in the last 6 months? Y / N Where & When? N/A

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? N/A

m. Is there a kitchen exhaust fan? (Y) / N If yes, where vented? food business

n. Is there a bathroom exhaust fan? Y / (N) If yes, where vented? _____

o. Is there a clothes dryer? (Y) / N If yes, is it vented outside? (Y) / N

p. Has there been a pesticide application? Y (N) When & Type? _____

Are there odors in the building? (Y) N
If yes, please describe: Sweet Smell in the basement of Dry Cleaner

Do any of the building occupants use solvents at work? Y (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? (Y) / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service
No
(Unknown)

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

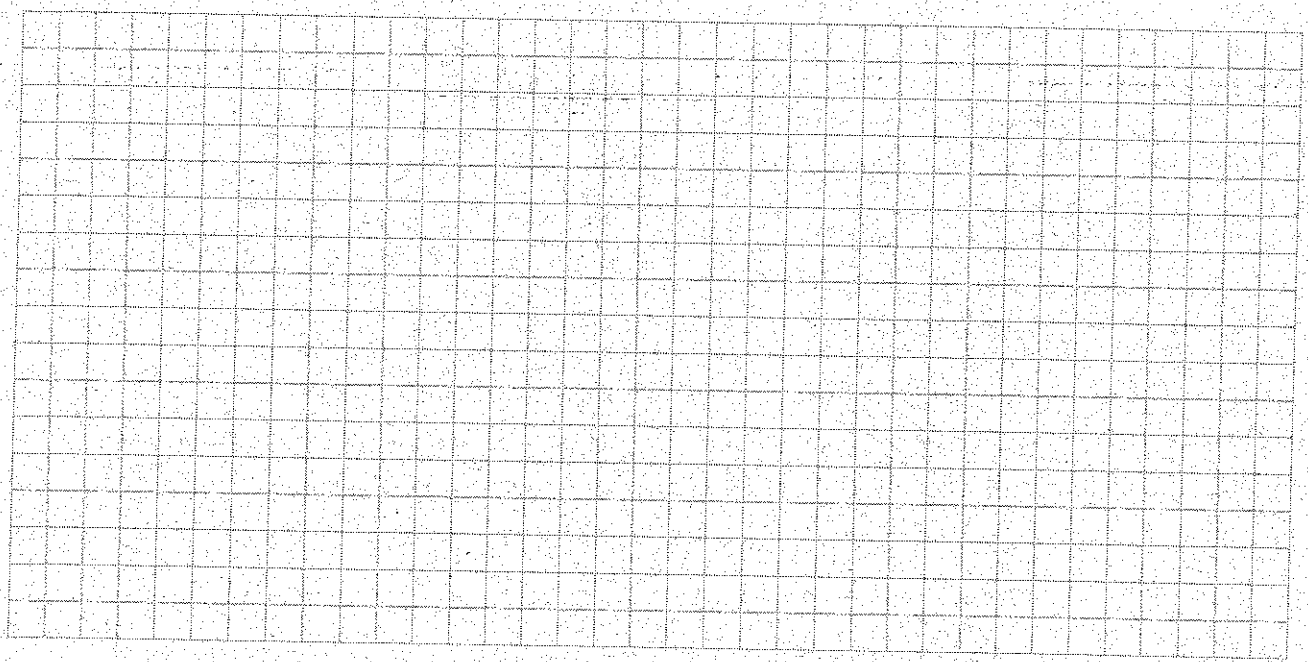
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

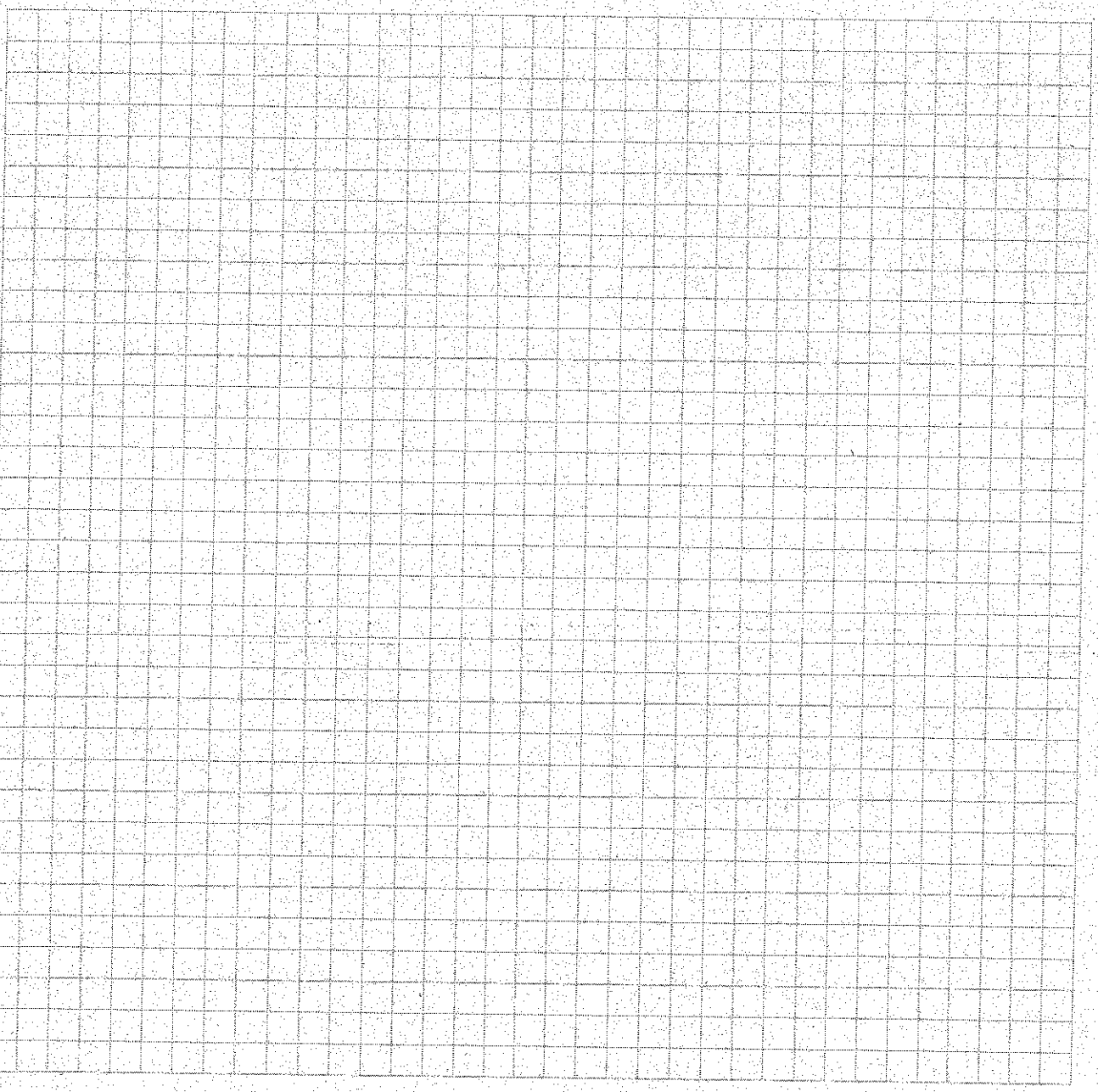
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
Basement	Basement Air	1			06 – 2.2 ppm	

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Appendix F: Laboratory Reports

Technical Report

prepared for:

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Adam P. Nasiatka

Report Date: 06/08/2017
Client Project ID: 170153- 281-301 Warner Ave Roslyn Heights, NY
York Project (SDG) No.: 17F0097

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 06/08/2017
Client Project ID: 170153- 281-301 Warner Ave Roslyn Heights, NY
York Project (SDG) No.: 17F0097

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Adam P. Nasiatka

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, 2017 and listed below. The project was identified as your project: **170153- 281-301 Warner Ave Roslyn Heights, NY**.

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.

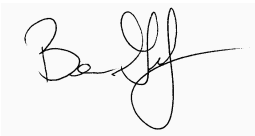
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

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
17F0097-01	FD-1	Soil	06/01/2017	06/02/2017
17F0097-02	SP-2 (18-20)	Soil	06/01/2017	06/02/2017
17F0097-03	SP-4 (0-2)	Soil	06/01/2017	06/02/2017
17F0097-04	SP-1 (10-12)	Soil	06/01/2017	06/02/2017
17F0097-05	SP-3 (16-18)	Soil	06/01/2017	06/02/2017

General Notes for York Project (SDG) No.: 17F0097

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.
9. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 06/08/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **FD-1** **York Sample ID:** **17F0097-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0097	170153- 281-301 Warner Ave Roslyn Heights, NY	Soil	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
123-91-1	1,4-Dioxane	ND		ug/kg dry	46	93	1	EPA 8260C Certifications:	06/07/2017 12:24 NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
67-64-1	**Acetone**	**8.8**	J	ug/kg dry	4.6	9.3	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
75-09-2	Methylene chloride	ND		ug/kg dry	4.6	9.3	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
91-20-3	Naphthalene	ND		ug/kg dry	2.3	9.3	1	EPA 8260C Certifications:	06/07/2017 12:24 NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 23:10	SR

Sample Information

Client Sample ID: FD-1 **York Sample ID:** 17F0097-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0097	170153- 281-301 Warner Ave Roslyn Heights, NY	Soil	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, NYSDEC Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	06/07/2017 12:24	06/07/2017 23:10	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	06/07/2017 12:24	06/07/2017 23:10	SR
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.6	9.3	1	EPA 8260C	06/07/2017 12:24	06/07/2017 23:10	SR
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	06/07/2017 12:24	06/07/2017 23:10	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	06/07/2017 12:24	06/07/2017 23:10	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	06/07/2017 12:24	06/07/2017 23:10	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	06/07/2017 12:24	06/07/2017 23:10	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	06/07/2017 12:24	06/07/2017 23:10	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	06/07/2017 12:24	06/07/2017 23:10	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	06/07/2017 12:24	06/07/2017 23:10	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.0	14	1	EPA 8260C	06/07/2017 12:24	06/07/2017 23:10	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*108 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.0 %*	*76-130*

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**99.8**		%	0.100	1	SM 2540G	06/06/2017 14:49	06/06/2017 18:43	TAJ
							Certifications:	CTDOH		

Sample Information

Client Sample ID: SP-2 (18-20) **York Sample ID:** 17F0097-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0097	170153- 281-301 Warner Ave Roslyn Heights, NY	Soil	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, NYSDEC Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: SP-2 (18-20) **York Sample ID:** 17F0097-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0097	170153- 281-301 Warner Ave Roslyn Heights, NY	Soil	June 1, 2017 3:00 pm	06/02/2017

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
123-91-1	1,4-Dioxane	ND		ug/kg dry	55	110	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 NELAC-NY10854,NJDEP,PADEP	SR
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-64-1	Acetone	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
71-43-2	Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
75-09-2	Methylene chloride	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	**Naphthalene**	**9.6**	J, B	ug/kg dry	2.8	11	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 NELAC-NY10854,NJDEP,PADEP	SR
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	06/07/2017 12:24	06/07/2017 23:40 CTDOH,NELAC-NY10854,PADEP	SR

Sample Information

Client Sample ID: SP-2 (18-20) **York Sample ID:** 17F0097-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0097	170153- 281-301 Warner Ave Roslyn Heights, NY	Soil	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/07/2017 12:24	06/07/2017 23:40	SR
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/07/2017 23:40	SR
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/07/2017 23:40	SR
127-18-4	**Tetrachloroethylene**	**4.0**	J	ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/07/2017 23:40	SR
108-88-3	Toluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/07/2017 23:40	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/07/2017 23:40	SR
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/07/2017 23:40	SR
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/07/2017 23:40	SR
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/07/2017 12:24	06/07/2017 23:40	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.6 %*	*76-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**99.8**		%	0.100	1	SM 2540G Certifications: CTDOH	06/06/2017 14:49	06/06/2017 18:43	TAJ

Sample Information

Client Sample ID: SP-4 (0-2) **York Sample ID:** 17F0097-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0097	170153- 281-301 Warner Ave Roslyn Heights, NY	Soil	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **SP-4 (0-2)** **York Sample ID:** **17F0097-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0097	170153- 281-301 Warner Ave Roslyn Heights, NY	Soil	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
123-91-1	1,4-Dioxane	ND		ug/kg dry	49	98	1	EPA 8260C Certifications:	06/07/2017 12:24 NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
78-93-3	2-Butanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
67-64-1	Acetone	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
71-43-2	Benzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
67-66-3	Chloroform	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
75-09-2	Methylene chloride	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
91-20-3	Naphthalene	ND		ug/kg dry	2.5	9.8	1	EPA 8260C Certifications:	06/07/2017 12:24 NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24 CTDOH,NELAC-NY10854,NJDEP,PADEP	06/08/2017 00:09	SR

Sample Information

Client Sample ID: SP-4 (0-2) **York Sample ID:** 17F0097-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0097	170153- 281-301 Warner Ave Roslyn Heights, NY	Soil	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/07/2017 12:24	06/08/2017 00:09	SR
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/07/2017 12:24	06/08/2017 00:09	SR
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 00:09	SR
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 00:09	SR
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 00:09	SR
108-88-3	Toluene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 00:09	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 00:09	SR
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 00:09	SR
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 00:09	SR
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.4	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/07/2017 12:24	06/08/2017 00:09	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*113 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.7 %*	*76-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**97.3**		%	0.100	1	SM 2540G Certifications: CTDOH	06/06/2017 14:49	06/06/2017 18:43	TAJ

Sample Information

Client Sample ID: SP-1 (10-12) **York Sample ID:** 17F0097-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0097	170153- 281-301 Warner Ave Roslyn Heights, NY	Soil	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: SP-1 (10-12) **York Sample ID:** 17F0097-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0097	170153- 281-301 Warner Ave Roslyn Heights, NY	Soil	June 1, 2017 3:00 pm	06/02/2017

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
123-91-1	1,4-Dioxane	ND		ug/kg dry	49	98	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 NELAC-NY10854,NJDEP,PADEP	SR
78-93-3	2-Butanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-64-1	Acetone	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
71-43-2	Benzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-66-3	Chloroform	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
75-09-2	Methylene chloride	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	Naphthalene	ND		ug/kg dry	2.5	9.8	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 NELAC-NY10854,NJDEP,PADEP	SR
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-47-6	o-Xylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 00:39 CTDOH,NELAC-NY10854,PADEP	SR

Sample Information

Client Sample ID: SP-1 (10-12) **York Sample ID:** 17F0097-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0097	170153- 281-301 Warner Ave Roslyn Heights, NY	Soil	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/07/2017 12:24	06/08/2017 00:39	SR
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 00:39	SR
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 00:39	SR
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 00:39	SR
108-88-3	Toluene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 00:39	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 00:39	SR
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 00:39	SR
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 00:39	SR
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.4	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/07/2017 12:24	06/08/2017 00:39	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.1 %*	*76-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**97.8**		%	0.100	1	SM 2540G Certifications: CTDOH	06/06/2017 16:43	06/06/2017 19:25	TAJ

Sample Information

Client Sample ID: SP-3 (16-18) **York Sample ID:** 17F0097-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0097	170153- 281-301 Warner Ave Roslyn Heights, NY	Soil	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: SP-3 (16-18) **York Sample ID:** 17F0097-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0097	170153- 281-301 Warner Ave Roslyn Heights, NY	Soil	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
123-91-1	1,4-Dioxane	ND		ug/kg dry	56	110	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 NELAC-NY10854,NJDEP,PADEP	SR
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-64-1	Acetone	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
71-43-2	Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
75-09-2	**Methylene chloride**	**6.3**	J	ug/kg dry	5.6	11	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
91-20-3	Naphthalene	ND		ug/kg dry	2.8	11	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 NELAC-NY10854,NJDEP,PADEP	SR
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications:	06/07/2017 12:24	06/08/2017 01:09 CTDOH,NELAC-NY10854,NJDEP,PADEP	SR

Sample Information

Client Sample ID: SP-3 (16-18) **York Sample ID:** 17F0097-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0097	170153- 281-301 Warner Ave Roslyn Heights, NY	Soil	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/07/2017 12:24	06/08/2017 01:09	SR
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,PADEP	06/07/2017 12:24	06/08/2017 01:09	SR
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 01:09	SR
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 01:09	SR
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 01:09	SR
108-88-3	Toluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 01:09	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 01:09	SR
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 01:09	SR
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/07/2017 12:24	06/08/2017 01:09	SR
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.4	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/07/2017 12:24	06/08/2017 01:09	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.6 %*	*76-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**99.6**		%	0.100	1	SM 2540G Certifications: CTDOH	06/06/2017 16:43	06/06/2017 19:25	TAJ

Analytical Batch Summary

Batch ID: BF70280 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
17F0097-01	FD-1	06/06/17
17F0097-02	SP-2 (18-20)	06/06/17
17F0097-03	SP-4 (0-2)	06/06/17

Batch ID: BF70287 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
17F0097-04	SP-1 (10-12)	06/06/17
17F0097-05	SP-3 (16-18)	06/06/17

Batch ID: BF70340 **Preparation Method:** EPA 5035A **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17F0097-01	FD-1	06/07/17
17F0097-02	SP-2 (18-20)	06/07/17
17F0097-03	SP-4 (0-2)	06/07/17
17F0097-04	SP-1 (10-12)	06/07/17
17F0097-05	SP-3 (16-18)	06/07/17
BF70340-BLK1	Blank	06/07/17
BF70340-BS1	LCS	06/07/17
BF70340-BSD1	LCS Dup	06/07/17

Volatile Organic Compounds by GC/MS - 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 BF70340 - EPA 5035A											
Blank (BF70340-BLK1)											
Prepared & Analyzed: 06/07/2017											
1,1,1-Trichloroethane	ND	5.0	ug/kg wet								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroform	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	4.2	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
sec-Butylbenzene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*53.4*		*ug/L*	*50.0*		*107*	*77-125*				
Surrogate: Toluene-d8	*53.8*		*"*	*50.0*		*108*	*85-120*				
Surrogate: p-Bromofluorobenzene	*47.2*		*"*	*50.0*		*94.4*	*76-130*				

Volatile Organic Compounds by GC/MS - 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 BF70340 - EPA 5035A											
LCS (BF70340-BS1)								Prepared & Analyzed: 06/07/2017			
1,1,1-Trichloroethane	48		ug/L	50.0		95.3	71-137				
1,1-Dichloroethane	51		"	50.0		103	75-130				
1,1-Dichloroethylene	51		"	50.0		102	64-137				
1,2,4-Trimethylbenzene	53		"	50.0		106	84-125				
1,2-Dichlorobenzene	52		"	50.0		103	85-122				
1,2-Dichloroethane	51		"	50.0		102	71-133				
1,3,5-Trimethylbenzene	53		"	50.0		106	82-126				
1,3-Dichlorobenzene	52		"	50.0		104	84-124				
1,4-Dichlorobenzene	50		"	50.0		101	84-124				
1,4-Dioxane	990		"	1000		99.3	10-228				
2-Butanone	45		"	50.0		89.2	58-147				
Acetone	49		"	50.0		98.2	36-155				
Benzene	51		"	50.0		103	77-127				
Carbon tetrachloride	48		"	50.0		95.8	66-143				
Chlorobenzene	51		"	50.0		103	86-120				
Chloroform	49		"	50.0		99.0	76-131				
cis-1,2-Dichloroethylene	48		"	50.0		96.7	74-132				
Ethyl Benzene	52		"	50.0		103	84-125				
Methyl tert-butyl ether (MTBE)	51		"	50.0		101	74-131				
Methylene chloride	49		"	50.0		98.5	57-141				
Naphthalene	54		"	50.0		109	86-141				
n-Butylbenzene	54		"	50.0		107	80-130				
n-Propylbenzene	54		"	50.0		108	74-136				
o-Xylene	53		"	50.0		105	83-123				
p- & m- Xylenes	110		"	100		107	82-128				
sec-Butylbenzene	54		"	50.0		107	83-125				
tert-Butylbenzene	51		"	50.0		103	80-127				
Tetrachloroethylene	48		"	50.0		96.8	80-129				
Toluene	52		"	50.0		104	85-121				
trans-1,2-Dichloroethylene	49		"	50.0		98.9	72-132				
Trichloroethylene	50		"	50.0		99.5	84-123				
Vinyl Chloride	42		"	50.0		83.0	52-130				
Surrogate: 1,2-Dichloroethane-d4	*49.0*		*"*	*50.0*		*98.0*	*77-125*				
Surrogate: Toluene-d8	*50.4*		*"*	*50.0*		*101*	*85-120*				
Surrogate: p-Bromofluorobenzene	*49.9*		*"*	*50.0*		*99.8*	*76-130*				

Volatile Organic Compounds by GC/MS - 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 BF70340 - EPA 5035A											
LCS Dup (BF70340-BSD1)								Prepared & Analyzed: 06/07/2017			
1,1,1-Trichloroethane	48		ug/L	50.0		95.9	71-137		0.628	30	
1,1-Dichloroethane	51		"	50.0		102	75-130		0.684	30	
1,1-Dichloroethylene	51		"	50.0		102	64-137		0.314	30	
1,2,4-Trimethylbenzene	52		"	50.0		104	84-125		1.50	30	
1,2-Dichlorobenzene	52		"	50.0		104	85-122		1.08	30	
1,2-Dichloroethane	51		"	50.0		102	71-133		0.274	30	
1,3,5-Trimethylbenzene	53		"	50.0		106	82-126		0.0946	30	
1,3-Dichlorobenzene	51		"	50.0		103	84-124		0.832	30	
1,4-Dichlorobenzene	49		"	50.0		98.1	84-124		2.61	30	
1,4-Dioxane	1100		"	1000		108	10-228		8.52	30	
2-Butanone	49		"	50.0		97.9	58-147		9.36	30	
Acetone	43		"	50.0		87.0	36-155		12.1	30	
Benzene	50		"	50.0		100	77-127		2.52	30	
Carbon tetrachloride	48		"	50.0		95.5	66-143		0.335	30	
Chlorobenzene	52		"	50.0		105	86-120		2.18	30	
Chloroform	50		"	50.0		99.7	76-131		0.725	30	
cis-1,2-Dichloroethylene	48		"	50.0		96.8	74-132		0.0827	30	
Ethyl Benzene	52		"	50.0		104	84-125		1.35	30	
Methyl tert-butyl ether (MTBE)	50		"	50.0		99.7	74-131		1.28	30	
Methylene chloride	46		"	50.0		91.1	57-141		7.81	30	
Naphthalene	56		"	50.0		111	86-141		2.47	30	
n-Butylbenzene	53		"	50.0		106	80-130		1.07	30	
n-Propylbenzene	54		"	50.0		107	74-136		0.130	30	
o-Xylene	53		"	50.0		105	83-123		0.0569	30	
p- & m- Xylenes	110		"	100		105	82-128		2.11	30	
sec-Butylbenzene	53		"	50.0		105	83-125		1.67	30	
tert-Butylbenzene	54		"	50.0		108	80-127		4.72	30	
Tetrachloroethylene	48		"	50.0		96.6	80-129		0.227	30	
Toluene	52		"	50.0		104	85-121		0.403	30	
trans-1,2-Dichloroethylene	49		"	50.0		98.0	72-132		0.833	30	
Trichloroethylene	49		"	50.0		98.8	84-123		0.706	30	
Vinyl Chloride	40		"	50.0		80.6	52-130		2.98	30	
Surrogate: 1,2-Dichloroethane-d4	*50.1*		*"*	*50.0*		*100*	*77-125*				
Surrogate: Toluene-d8	*50.7*		*"*	*50.0*		*101*	*85-120*				
Surrogate: p-Bromofluorobenzene	*48.5*		*"*	*50.0*		*97.0*	*76-130*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17F0097-01	FD-1	40mL Vial with Stir Bar-Cool 4° C
17F0097-02	SP-2 (18-20)	40mL Vial with Stir Bar-Cool 4° C
17F0097-03	SP-4 (0-2)	40mL Vial with Stir Bar-Cool 4° C
17F0097-04	SP-1 (10-12)	40mL Vial with Stir Bar-Cool 4° C
17F0097-05	SP-3 (16-18)	40mL Vial with Stir Bar-Cool 4° C

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

---

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
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.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK ANALYTICAL LABORATORIES INC
York Analytical Laboratories
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.

York Project No. 17F0097

YOUR Information
Company: Hydro Tech Environmental
Address: 77 Arkay Dr, Hauppauge NY 11788
Phone No. 631-462-5866
Contact Person: Adam Nasiatka
E-Mail Address: anasiatka@hydrotechenv

Report To:
Company: Same
Address: ↓
Phone No. ↓
Attention: Adam Nasiatka
E-Mail Address: anasiatka@hydrotech

Invoice To:
Company: Same
Address: ↓
Phone No. ↓
Attention: Muslima Ward
E-Mail Address: mward@hydrotechenv

YOUR Project ID
170153- 281-301 Warner Ave Roslyn Heights, NY

Purchase Order No.
1252

Samples from: CT___ NY ✓ NJ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☑
- Standard(5-7 Days) ☐

Report Type
- Summary Report ✓
- Summary w/ QA Summary ___
- CT RCP Package ___
- CTRCP DQA/DUE Pkg ___
- NY ASP A Package ___
- NY ASP B Package ___
- NJDEP Red. Deliv. ___

Electronic Data Deliverables (EDD)
- Simple Excel ✓
- NYSDEC EQuIS ___
- EQuIS (std) ___
- EZ-EDD (EQuIS) ___
- NJDEP SRP HazSite EDD ___
- GIS/KEY (std) ___
- Other ___

York Regulatory Comparison
Excel Spreadsheet X
Compare to the following Regs. (please fill in): See comments

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): [signature]
Name (printed): Adam P. Nasiatka

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	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
FD-1	6/1/17	S	8260	1 Terra Core ea
SP-2 (18-20)	↓	↓	↓	↓
SP-4 (0-2)	↓	↓	↓	↓
SP-1 (10-12)	↓	↓	↓	↓
SP-3 (16-18)	↓	↓	↓	↓

Comments
Part 375 NYSDEC
All Standards please

Preservation Check those Applicable: 4°C___ Frozen___ HCl___ MeOH___ HNO_3___ H_2SO_4___ NaOH___ ZnAc___ Ascorbic Acid___ Other___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
HydroTech Field [signature]	6-2-17 1115 Am	K Bak[signature]	6/2/17 1165 Am
Samples Relinquished By	Date/Time	Samples Received in LAB by: [signature]	6/2/17 - 1625

Temperature on Receipt: 1.4 °C

Technical Report

prepared for:

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Adam P. Nasiatka

Report Date: 06/08/2017
Client Project ID: 170153-281-301 Warner Ave
York Project (SDG) No.: 17F0101

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 06/08/2017
Client Project ID: 170153-281-301 Warner Ave
York Project (SDG) No.: 17F0101

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Adam P. Nasiatka

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, 2017 and listed below. The project was identified as your project: **170153-281-301 Warner Ave**.

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.

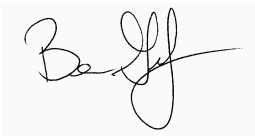
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

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
17F0101-01	SS-1	Soil Vapor	06/01/2017	06/02/2017
17F0101-02	SS-2	Soil Vapor	06/01/2017	06/02/2017
17F0101-03	IA-1	Indoor Ambient Air	06/01/2017	06/02/2017
17F0101-04	OA-1	Outdoor Ambient Ai	06/01/2017	06/02/2017

General Notes for York Project (SDG) No.: 17F0101

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.
9. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 06/08/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SS-1 **York Sample ID:** 17F0101-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0101	170153-281-301 Warner Ave	Soil Vapor	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	15	21.91	EPA TO-15 Certifications:	06/05/2017 18:54	06/05/2017 18:54	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	12	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	15	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	17	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	12	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	8.9	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	8.7	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	16	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**39**		ug/m³	11	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	17	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	13	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	8.9	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	10	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	15	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
108-67-8	**1,3,5-Trimethylbenzene**	**12**		ug/m³	11	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	15	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	13	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	10	21.91	EPA TO-15 Certifications:	06/05/2017 18:54	06/05/2017 18:54	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	13	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	16	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
78-93-3	**2-Butanone**	**22**		ug/m³	6.5	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	18	21.91	EPA TO-15 Certifications:	06/05/2017 18:54	06/05/2017 18:54	LDS

Sample Information

Client Sample ID: SS-1 **York Sample ID:** 17F0101-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0101	170153-281-301 Warner Ave	Soil Vapor	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	34	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	9.0	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
67-64-1	**Acetone**	**85**		ug/m³	10	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
107-13-1	Acrylonitrile	ND		ug/m³	4.8	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
71-43-2	**Benzene**	**12**		ug/m³	7.0	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
100-44-7	Benzyl chloride	ND		ug/m³	11	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	15	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
75-25-2	Bromoform	ND		ug/m³	23	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
74-83-9	Bromomethane	ND		ug/m³	8.5	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
75-15-0	Carbon disulfide	ND		ug/m³	6.8	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	3.4	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
108-90-7	Chlorobenzene	ND		ug/m³	10	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
75-00-3	Chloroethane	ND		ug/m³	5.8	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
67-66-3	Chloroform	ND		ug/m³	11	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
74-87-3	Chloromethane	ND		ug/m³	4.5	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	8.7	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	9.9	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
110-82-7	Cyclohexane	ND		ug/m³	7.5	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	19	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	11	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	16	21.91	EPA TO-15 Certifications:	06/05/2017 18:54	06/05/2017 18:54	LDS
100-41-4	**Ethyl Benzene**	**29**		ug/m³	9.5	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	23	21.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 18:54	06/05/2017 18:54	LDS

Sample Information

Client Sample ID: SS-1 **York Sample ID:** 17F0101-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0101	170153-281-301 Warner Ave	Soil Vapor	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	**Isopropanol**	**59**		ug/m³	11	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	9.0	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	7.9	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-09-2	Methylene chloride	ND		ug/m³	15	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
142-82-5	**n-Heptane**	**20**		ug/m³	9.0	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
110-54-3	**n-Hexane**	**19**		ug/m³	7.7	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
95-47-6	**o-Xylene**	**31**		ug/m³	9.5	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**93**		ug/m³	19	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**40**		ug/m³	11	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications:			
115-07-1	*** Propylene**	**12**		ug/m³	3.8	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications:			
100-42-5	Styrene	ND		ug/m³	9.3	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**16000**		ug/m³	15	87.64	EPA TO-15	06/06/2017 15:44	06/06/2017 23:18	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
109-99-9	*** Tetrahydrofuran**	**34**		ug/m³	13	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications:			
108-88-3	**Toluene**	**110**		ug/m³	8.3	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	8.7	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	9.9	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**9.4**		ug/m³	2.9	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	12	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	7.7	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	9.6	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	5.6	21.91	EPA TO-15	06/05/2017 18:54	06/05/2017 18:54	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*100 %*	*72-118*

Sample Information

Client Sample ID: SS-2 **York Sample ID:** 17F0101-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0101	170153-281-301 Warner Ave	Soil Vapor	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	14	20.91	EPA TO-15 Certifications:	06/05/2017 19:42	06/05/2017 19:42	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	11	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	14	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	16	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	11	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	8.5	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	8.3	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	16	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**36**		ug/m³	10	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	16	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	13	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	8.5	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	9.7	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	15	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
108-67-8	**1,3,5-Trimethylbenzene**	**10**		ug/m³	10	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	14	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	13	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	9.7	20.91	EPA TO-15 Certifications:	06/05/2017 19:42	06/05/2017 19:42	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	13	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	15	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
78-93-3	**2-Butanone**	**12**		ug/m³	6.2	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	17	20.91	EPA TO-15 Certifications:	06/05/2017 19:42	06/05/2017 19:42	LDS
107-05-1	3-Chloropropene	ND		ug/m³	33	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS

Sample Information

Client Sample ID: SS-2 **York Sample ID:** 17F0101-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0101	170153-281-301 Warner Ave	Soil Vapor	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	8.6	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
67-64-1	**Acetone**	**71**		ug/m³	9.9	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
107-13-1	Acrylonitrile	ND		ug/m³	4.5	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
71-43-2	**Benzene**	**11**		ug/m³	6.7	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
100-44-7	Benzyl chloride	ND		ug/m³	11	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	14	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
75-25-2	Bromoform	ND		ug/m³	22	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
74-83-9	Bromomethane	ND		ug/m³	8.1	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
75-15-0	Carbon disulfide	ND		ug/m³	6.5	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	3.3	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
108-90-7	Chlorobenzene	ND		ug/m³	9.6	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
75-00-3	Chloroethane	ND		ug/m³	5.5	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
67-66-3	Chloroform	ND		ug/m³	10	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
74-87-3	Chloromethane	ND		ug/m³	4.3	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	8.3	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	9.5	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
110-82-7	Cyclohexane	ND		ug/m³	7.2	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	18	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m³	10	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	15	20.91	EPA TO-15 Certifications:	06/05/2017 19:42	06/05/2017 19:42	LDS
100-41-4	**Ethyl Benzene**	**25**		ug/m³	9.1	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	22	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
67-63-0	**Isopropanol**	**28**		ug/m³	10	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS

Sample Information

Client Sample ID: SS-2 **York Sample ID:** 17F0101-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0101	170153-281-301 Warner Ave	Soil Vapor	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	8.6	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	7.5	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
75-09-2	Methylene chloride	ND		ug/m³	15	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
142-82-5	**n-Heptane**	**15**		ug/m³	8.6	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
110-54-3	**n-Hexane**	**17**		ug/m³	7.4	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
95-47-6	**o-Xylene**	**27**		ug/m³	9.1	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
179601-23-1	**p- & m- Xylenes**	**88**		ug/m³	18	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
622-96-8	*** p-Ethyltoluene**	**34**		ug/m³	10	20.91	EPA TO-15 Certifications:	06/05/2017 19:42	06/05/2017 19:42	LDS
115-07-1	*** Propylene**	**18**		ug/m³	3.6	20.91	EPA TO-15 Certifications:	06/05/2017 19:42	06/05/2017 19:42	LDS
100-42-5	Styrene	ND		ug/m³	8.9	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
127-18-4	**Tetrachloroethylene**	**520**		ug/m³	3.5	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
109-99-9	*** Tetrahydrofuran**	**17**		ug/m³	12	20.91	EPA TO-15 Certifications:	06/05/2017 19:42	06/05/2017 19:42	LDS
108-88-3	**Toluene**	**100**		ug/m³	7.9	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	8.3	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	9.5	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
79-01-6	**Trichloroethylene**	**7.9**		ug/m³	2.8	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	12	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
108-05-4	Vinyl acetate	ND		ug/m³	7.4	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
593-60-2	Vinyl bromide	ND		ug/m³	9.1	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	5.3	20.91	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 19:42	06/05/2017 19:42	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.7 %*	*72-118*

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 17F0101-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0101	170153-281-301 Warner Ave	Indoor Ambient Air	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.79	1.149	EPA TO-15 Certifications:	06/05/2017 20:43	06/05/2017 20:43	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.63	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.79	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.88	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.63	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.47	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.46	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.85	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**130**		ug/m³	0.56	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.88	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.69	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.47	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.53	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.80	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
108-67-8	**1,3,5-Trimethylbenzene**	**39**		ug/m³	0.56	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
106-99-0	**1,3-Butadiene**	**12**		ug/m³	0.76	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.69	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.53	1.149	EPA TO-15 Certifications:	06/05/2017 20:43	06/05/2017 20:43	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.69	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	0.83	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
78-93-3	**2-Butanone**	**6.5**		ug/m³	0.34	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	0.94	1.149	EPA TO-15 Certifications:	06/05/2017 20:43	06/05/2017 20:43	LDS
107-05-1	3-Chloropropene	ND		ug/m³	1.8	1.149	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 20:43	06/05/2017 20:43	LDS

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 17F0101-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0101	170153-281-301 Warner Ave	Indoor Ambient Air	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.47	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
67-64-1	**Acetone**	**25**		ug/m³	0.55	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.25	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
71-43-2	**Benzene**	**81**		ug/m³	0.37	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	0.59	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	0.77	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	1.2	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.45	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	0.36	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**0.43**		ug/m³	0.18	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.53	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.30	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	0.56	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
74-87-3	**Chloromethane**	**0.90**		ug/m³	0.24	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.46	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.52	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
110-82-7	**Cyclohexane**	**88**		ug/m³	0.40	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	0.98	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.1**		ug/m³	0.57	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
141-78-6	*** Ethyl acetate**	**16**		ug/m³	0.83	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:			
100-41-4	**Ethyl Benzene**	**95**		ug/m³	0.50	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.2	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
67-63-0	**Isopropanol**	**2.8**		ug/m³	0.56	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 17F0101-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0101	170153-281-301 Warner Ave	Indoor Ambient Air	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	0.47	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.41	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
75-09-2	Methylene chloride	ND		ug/m³	0.80	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
142-82-5	**n-Heptane**	**140**		ug/m³	0.47	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
110-54-3	**n-Hexane**	**240**		ug/m³	7.6	21.54	EPA TO-15	06/06/2017 15:44	06/07/2017 00:06	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
95-47-6	**o-Xylene**	**110**		ug/m³	0.50	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**260**		ug/m³	1.0	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**130**		ug/m³	0.56	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:			
115-07-1	*** Propylene**	**85**	E	ug/m³	0.20	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.49	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**12**		ug/m³	0.19	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.68	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:			
108-88-3	**Toluene**	**480**		ug/m³	8.1	21.54	EPA TO-15	06/06/2017 15:44	06/07/2017 00:06	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.46	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.52	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	0.15	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.4**		ug/m³	0.65	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	0.40	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	0.50	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.29	1.149	EPA TO-15	06/05/2017 20:43	06/05/2017 20:43	LDS
							Certifications:	NELAC-NY10854-Queens,NJDEP-Queens		

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.3 %*	*72-118*

Sample Information

Client Sample ID: **OA-1** **York Sample ID:** **17F0101-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0101	170153-281-301 Warner Ave	Outdoor Ambient Air	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.72	1.054	EPA TO-15 Certifications:	06/05/2017 21:43	06/05/2017 21:43	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.58	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.72	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.81	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.58	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.43	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.42	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.78	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
95-63-6	**1,2,4-Trimethylbenzene**	**5.3**		ug/m³	0.52	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.81	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.63	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.43	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.49	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.74	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
108-67-8	**1,3,5-Trimethylbenzene**	**1.6**		ug/m³	0.52	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	0.70	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.63	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.49	1.054	EPA TO-15 Certifications:	06/05/2017 21:43	06/05/2017 21:43	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.63	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	0.76	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
78-93-3	**2-Butanone**	**2.3**		ug/m³	0.31	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	0.86	1.054	EPA TO-15 Certifications:	06/05/2017 21:43	06/05/2017 21:43	LDS
107-05-1	3-Chloropropene	ND		ug/m³	1.6	1.054	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/05/2017 21:43	06/05/2017 21:43	LDS

Sample Information

Client Sample ID: OA-1 **York Sample ID:** 17F0101-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0101	170153-281-301 Warner Ave	Outdoor Ambient Air	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.43	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
67-64-1	**Acetone**	**100**		ug/m³	0.50	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.23	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
71-43-2	**Benzene**	**2.6**		ug/m³	0.34	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	0.55	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	0.71	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	1.1	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.41	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	0.33	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**0.46**		ug/m³	0.17	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.49	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.28	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	0.51	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
74-87-3	**Chloromethane**	**0.89**		ug/m³	0.22	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.42	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.48	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
110-82-7	**Cyclohexane**	**1.8**		ug/m³	0.36	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	0.90	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**7.8**		ug/m³	0.52	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
141-78-6	*** Ethyl acetate**	**1.8**		ug/m³	0.76	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications:			
100-41-4	**Ethyl Benzene**	**4.2**		ug/m³	0.46	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
67-63-0	**Isopropanol**	**2.8**		ug/m³	0.52	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			

Sample Information

Client Sample ID: **OA-1** **York Sample ID:** **17F0101-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17F0101	170153-281-301 Warner Ave	Outdoor Ambient Air	June 1, 2017 3:00 pm	06/02/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	**Methyl Methacrylate**	**2.9**		ug/m³	0.43	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.38	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-09-2	**Methylene chloride**	**5.9**		ug/m³	0.73	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
142-82-5	**n-Heptane**	**3.3**		ug/m³	0.43	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
110-54-3	**n-Hexane**	**5.8**		ug/m³	0.37	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
95-47-6	**o-Xylene**	**5.2**		ug/m³	0.46	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**15**		ug/m³	0.92	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**5.3**		ug/m³	0.52	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications:			
115-07-1	*** Propylene**	**6.8**		ug/m³	0.18	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.45	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**3.3**		ug/m³	0.18	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.62	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications:			
108-88-3	**Toluene**	**63**		ug/m³	0.40	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.42	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.48	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
79-01-6	Trichloroethylene	ND		ug/m³	0.14	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.5**		ug/m³	0.59	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.37	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.46	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.27	1.054	EPA TO-15	06/05/2017 21:43	06/05/2017 21:43	LDS
							Certifications: NELAC-NY10854-Queens,NJDEP-Queens			

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.1 %*	*72-118*

Analytical Batch Summary

Batch ID: BF70283 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
17F0101-01	SS-1	06/05/17
17F0101-02	SS-2	06/05/17
17F0101-03	IA-1	06/05/17
17F0101-04	OA-1	06/05/17
BF70283-BLK1	Blank	06/05/17
BF70283-BS1	LCS	06/05/17
BF70283-DUP1	Duplicate	06/05/17

Batch ID: BF70332 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
17F0101-01RE1	SS-1	06/06/17
17F0101-03RE1	IA-1	06/06/17
BF70332-BLK1	Blank	06/06/17
BF70332-BS1	LCS	06/06/17

Volatile Organic Compounds in Air by GC/MS - 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 BF70283 - EPA TO15 PREP											
Blank (BF70283-BLK1)											Prepared & Analyzed: 06/05/2017
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								

Volatile Organic Compounds in Air by GC/MS - 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 BF70283 - EPA TO15 PREP											
Blank (BF70283-BLK1)									Prepared & Analyzed: 06/05/2017		
n-Hexane	ND	0.35	ug/m³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.26	"								
Surrogate: p-Bromofluorobenzene	*9.30*		*ppbv*	*10.0*		*93.0*	*72-118*				
LCS (BF70283-BS1)									Prepared & Analyzed: 06/05/2017		
1,1,1,2-Tetrachloroethane	10.7		ppbv	10.0		107	70-130				
1,1,1-Trichloroethane	11.2		"	10.0		112	70-130				
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	70-130				
1,1,2-Trichloroethane	9.66		"	10.0		96.6	70-130				
1,1-Dichloroethane	10.6		"	10.0		106	70-130				
1,1-Dichloroethylene	10.9		"	10.0		109	70-130				
1,2,4-Trichlorobenzene	9.19		"	10.0		91.9	70-130				
1,2,4-Trimethylbenzene	11.9		"	10.0		119	70-130				
1,2-Dibromoethane	10.2		"	10.0		102	70-130				
1,2-Dichlorobenzene	11.6		"	10.0		116	70-130				
1,2-Dichloroethane	10.5		"	10.0		105	70-130				
1,2-Dichloropropane	9.39		"	10.0		93.9	70-130				
1,2-Dichlorotetrafluoroethane	8.62		"	10.0		86.2	70-130				
1,3,5-Trimethylbenzene	11.7		"	10.0		117	70-130				
1,3-Butadiene	7.21		"	10.0		72.1	70-130				
1,3-Dichlorobenzene	11.6		"	10.0		116	70-130				
1,3-Dichloropropane	9.91		"	10.0		99.1	70-130				
1,4-Dichlorobenzene	11.8		"	10.0		118	70-130				
1,4-Dioxane	9.82		"	10.0		98.2	70-130				
2-Butanone	9.36		"	10.0		93.6	70-130				
2-Hexanone	9.04		"	10.0		90.4	70-130				
3-Chloropropene	10.2		"	10.0		102	70-130				
4-Methyl-2-pentanone	9.05		"	10.0		90.5	70-130				
Acetone	7.88		"	10.0		78.8	70-130				
Acrylonitrile	11.1		"	10.0		111	70-130				
Benzene	10.3		"	10.0		103	70-130				
Benzyl chloride	10.4		"	10.0		104	70-130				
Bromodichloromethane	9.76		"	10.0		97.6	70-130				
Bromoform	11.5		"	10.0		115	70-130				
Bromomethane	8.14		"	10.0		81.4	70-130				
Carbon disulfide	11.9		"	10.0		119	70-130				

Volatile Organic Compounds in Air by GC/MS - 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 BF70283 - EPA TO15 PREP											
LCS (BF70283-BS1)								Prepared & Analyzed: 06/05/2017			
Carbon tetrachloride	10.9		ppbv	10.0		109	70-130				
Chlorobenzene	10.5		"	10.0		105	70-130				
Chloroethane	7.96		"	10.0		79.6	70-130				
Chloroform	10.7		"	10.0		107	70-130				
Chloromethane	7.12		"	10.0		71.2	70-130				
cis-1,2-Dichloroethylene	10.7		"	10.0		107	70-130				
cis-1,3-Dichloropropylene	11.0		"	10.0		110	70-130				
Cyclohexane	11.2		"	10.0		112	70-130				
Dibromochloromethane	10.4		"	10.0		104	70-130				
Dichlorodifluoromethane	10.6		"	10.0		106	70-130				
Ethyl acetate	10.0		"	10.0		100	70-130				
Ethyl Benzene	11.2		"	10.0		112	70-130				
Hexachlorobutadiene	13.3		"	10.0		133	70-130	High Bias			
Isopropanol	10.4		"	10.0		104	70-130				
Methyl Methacrylate	10.3		"	10.0		103	70-130				
Methyl tert-butyl ether (MTBE)	12.3		"	10.0		123	70-130				
Methylene chloride	9.73		"	10.0		97.3	70-130				
n-Heptane	10.2		"	10.0		102	70-130				
n-Hexane	9.48		"	10.0		94.8	70-130				
o-Xylene	11.4		"	10.0		114	70-130				
p- & m- Xylenes	21.9		"	20.0		110	70-130				
p-Ethyltoluene	12.5		"	10.0		125	70-130				
Propylene	8.79		"	10.0		87.9	70-130				
Styrene	11.1		"	10.0		111	70-130				
Tetrachloroethylene	9.19		"	10.0		91.9	70-130				
Tetrahydrofuran	10.8		"	10.0		108	70-130				
Toluene	9.84		"	10.0		98.4	70-130				
trans-1,2-Dichloroethylene	11.1		"	10.0		111	70-130				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	70-130				
Trichloroethylene	9.74		"	10.0		97.4	70-130				
Trichlorofluoromethane (Freon 11)	10.9		"	10.0		109	70-130				
Vinyl acetate	10.4		"	10.0		104	70-130				
Vinyl bromide	8.66		"	10.0		86.6	70-130				
Vinyl Chloride	8.06		"	10.0		80.6	70-130				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*72-118*				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BF70283 - EPA TO15 PREP

Duplicate (BF70283-DUP1) *Source sample: 17F0101-04 (OA-1) Prepared & Analyzed: 06/05/2017

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	ND	0.72	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	0.58	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.72	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.81	"		ND					25	
1,1,2-Trichloroethane	ND	0.58	"		ND					25	
1,1-Dichloroethane	ND	0.43	"		ND					25	
1,1-Dichloroethylene	ND	0.42	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.78	"		ND					25	
1,2,4-Trimethylbenzene	5.3	0.52	"		5.3				0.00	25	
1,2-Dibromoethane	ND	0.81	"		ND					25	
1,2-Dichlorobenzene	ND	0.63	"		ND					25	
1,2-Dichloroethane	ND	0.43	"		ND					25	
1,2-Dichloropropane	ND	0.49	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.74	"		ND					25	
1,3,5-Trimethylbenzene	1.7	0.52	"		1.6				6.45	25	
1,3-Butadiene	ND	0.70	"		ND					25	
1,3-Dichlorobenzene	ND	0.63	"		ND					25	
1,3-Dichloropropane	ND	0.49	"		ND					25	
1,4-Dichlorobenzene	ND	0.63	"		ND					25	
1,4-Dioxane	ND	0.76	"		ND					25	
2-Butanone	2.2	0.31	"		2.3				1.38	25	
2-Hexanone	ND	0.86	"		ND					25	
3-Chloropropene	ND	1.6	"		ND					25	
4-Methyl-2-pentanone	ND	0.43	"		ND					25	
Acetone	110	0.50	"		100				4.62	25	
Acrylonitrile	ND	0.23	"		ND					25	
Benzene	2.7	0.34	"		2.6				3.82	25	
Benzyl chloride	ND	0.55	"		ND					25	
Bromodichloromethane	ND	0.71	"		ND					25	
Bromoform	ND	1.1	"		ND					25	
Bromomethane	ND	0.41	"		ND					25	
Carbon disulfide	ND	0.33	"		ND					25	
Carbon tetrachloride	0.46	0.17	"		0.46				0.00	25	
Chlorobenzene	ND	0.49	"		ND					25	
Chloroethane	ND	0.28	"		ND					25	
Chloroform	ND	0.51	"		ND					25	
Chloromethane	0.98	0.22	"		0.89				9.30	25	
cis-1,2-Dichloroethylene	ND	0.42	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.48	"		ND					25	
Cyclohexane	1.8	0.36	"		1.8				0.00	25	
Dibromochloromethane	ND	0.90	"		ND					25	
Dichlorodifluoromethane	7.8	0.52	"		7.8				0.669	25	
Ethyl acetate	1.8	0.76	"		1.8				2.11	25	
Ethyl Benzene	4.3	0.46	"		4.2				2.17	25	
Hexachlorobutadiene	ND	1.1	"		ND					25	
Isopropanol	2.8	0.52	"		2.8				0.930	25	
Methyl Methacrylate	ND	0.43	"		2.9					25	
Methyl tert-butyl ether (MTBE)	ND	0.38	"		ND					25	
Methylene chloride	6.2	0.73	"		5.9				4.26	25	
n-Heptane	3.3	0.43	"		3.3				1.31	25	
n-Hexane	6.1	0.37	"		5.8				4.97	25	

Volatile Organic Compounds in Air by GC/MS - 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 BF70283 - EPA TO15 PREP											
Duplicate (BF70283-DUP1)	*Source sample: 17F0101-04 (OA-1)								Prepared & Analyzed: 06/05/2017		
o-Xylene	5.3	0.46	ug/m³		5.2				0.873	25	
p- & m- Xylenes	15	0.92	"		15				1.87	25	
p-Ethyltoluene	5.3	0.52	"		5.3				0.00	25	
Propylene	7.2	0.18	"		6.8				6.74	25	
Styrene	ND	0.45	"		ND					25	
Tetrachloroethylene	3.5	0.18	"		3.3				6.32	25	
Tetrahydrofuran	ND	0.62	"		ND					25	
Toluene	65	0.40	"		63				2.84	25	
trans-1,2-Dichloroethylene	ND	0.42	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.48	"		ND					25	
Trichloroethylene	ND	0.14	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.5	0.59	"		1.5				0.00	25	
Vinyl acetate	ND	0.37	"		ND					25	
Vinyl bromide	ND	0.46	"		ND					25	
Vinyl Chloride	ND	0.27	"		ND					25	
Surrogate: p-Bromofluorobenzene	*9.84*		*ppbv*	*10.0*		*98.4*	*72-118*				
Batch BF70332 - EPA TO15 PREP											
Blank (BF70332-BLK1)									Prepared & Analyzed: 06/06/2017		
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								

Volatile Organic Compounds in Air by GC/MS - 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 BF70332 - EPA TO15 PREP											
Blank (BF70332-BLK1)											Prepared & Analyzed: 06/06/2017
Carbon disulfide	ND	0.31	ug/m³								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.26	"								
Surrogate: p-Bromofluorobenzene	*9.21*		*ppbv*	*10.0*		*92.1*	*72-118*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF70332 - EPA TO15 PREP											
LCS (BF70332-BS1)								Prepared & Analyzed: 06/06/2017			
1,1,1,2-Tetrachloroethane	10.4		ppbv	10.0		104	70-130				
1,1,1-Trichloroethane	10.7		"	10.0		107	70-130				
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	70-130				
1,1,2-Trichloroethane	9.52		"	10.0		95.2	70-130				
1,1-Dichloroethane	10.3		"	10.0		103	70-130				
1,1-Dichloroethylene	10.5		"	10.0		105	70-130				
1,2,4-Trichlorobenzene	8.84		"	10.0		88.4	70-130				
1,2,4-Trimethylbenzene	11.6		"	10.0		116	70-130				
1,2-Dibromoethane	10.0		"	10.0		100	70-130				
1,2-Dichlorobenzene	11.2		"	10.0		112	70-130				
1,2-Dichloroethane	10.2		"	10.0		102	70-130				
1,2-Dichloropropane	9.36		"	10.0		93.6	70-130				
1,2-Dichlorotetrafluoroethane	8.68		"	10.0		86.8	70-130				
1,3,5-Trimethylbenzene	11.6		"	10.0		116	70-130				
1,3-Butadiene	7.52		"	10.0		75.2	70-130				
1,3-Dichlorobenzene	11.3		"	10.0		113	70-130				
1,3-Dichloropropane	9.78		"	10.0		97.8	70-130				
1,4-Dichlorobenzene	11.5		"	10.0		115	70-130				
1,4-Dioxane	9.78		"	10.0		97.8	70-130				
2-Butanone	9.31		"	10.0		93.1	70-130				
2-Hexanone	9.13		"	10.0		91.3	70-130				
3-Chloropropene	9.87		"	10.0		98.7	70-130				
4-Methyl-2-pentanone	9.03		"	10.0		90.3	70-130				
Acetone	7.70		"	10.0		77.0	70-130				
Acrylonitrile	10.7		"	10.0		107	70-130				
Benzene	10.1		"	10.0		101	70-130				
Benzyl chloride	10.2		"	10.0		102	70-130				
Bromodichloromethane	9.65		"	10.0		96.5	70-130				
Bromoform	11.0		"	10.0		110	70-130				
Bromomethane	8.37		"	10.0		83.7	70-130				
Carbon disulfide	11.5		"	10.0		115	70-130				
Carbon tetrachloride	10.5		"	10.0		105	70-130				
Chlorobenzene	10.2		"	10.0		102	70-130				
Chloroethane	8.10		"	10.0		81.0	70-130				
Chloroform	10.4		"	10.0		104	70-130				
Chloromethane	7.43		"	10.0		74.3	70-130				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
cis-1,3-Dichloropropylene	10.9		"	10.0		109	70-130				
Cyclohexane	11.0		"	10.0		110	70-130				
Dibromochloromethane	10.2		"	10.0		102	70-130				
Dichlorodifluoromethane	10.3		"	10.0		103	70-130				
Ethyl acetate	9.95		"	10.0		99.5	70-130				
Ethyl Benzene	10.8		"	10.0		108	70-130				
Hexachlorobutadiene	12.7		"	10.0		127	70-130				
Isopropanol	10.0		"	10.0		100	70-130				
Methyl Methacrylate	10.3		"	10.0		103	70-130				
Methyl tert-butyl ether (MTBE)	11.6		"	10.0		116	70-130				
Methylene chloride	9.43		"	10.0		94.3	70-130				
n-Heptane	10.1		"	10.0		101	70-130				
n-Hexane	9.22		"	10.0		92.2	70-130				

Volatile Organic Compounds in Air by GC/MS - 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 BF70332 - EPA TO15 PREP											
LCS (BF70332-BS1)								Prepared & Analyzed: 06/06/2017			
o-Xylene	11.0		ppbv	10.0		110	70-130				
p- & m- Xylenes	21.3		"	20.0		107	70-130				
p-Ethyltoluene	11.8		"	10.0		118	70-130				
Propylene	8.50		"	10.0		85.0	70-130				
Styrene	10.7		"	10.0		107	70-130				
Tetrachloroethylene	8.99		"	10.0		89.9	70-130				
Tetrahydrofuran	10.7		"	10.0		107	70-130				
Toluene	9.82		"	10.0		98.2	70-130				
trans-1,2-Dichloroethylene	10.8		"	10.0		108	70-130				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	70-130				
Trichloroethylene	9.52		"	10.0		95.2	70-130				
Trichlorofluoromethane (Freon 11)	10.6		"	10.0		106	70-130				
Vinyl acetate	10.1		"	10.0		101	70-130				
Vinyl bromide	10.5		"	10.0		105	70-130				
Vinyl Chloride	8.29		"	10.0		82.9	70-130				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*72-118*				

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.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to dectected analytes only.

---

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
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.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record - AIR

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. 17F0101

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: Hydro Tech Environmental Co	Company: SAME	Company: Same	170153-281-301 Warner Ave Roslyn Heights, NY	RUSH - Same Day ☐	Summary Report ✓
Address: 77 Arkay dr Hauppauge NY 11788	Address:	Address: ↓		RUSH - Next Day ☐	Summary w/ QA Summary ___
Phone No. 631-462-5866	Phone No.	Phone No.	Purchase Order No. 1252	RUSH - Two Day ☐	CT RCP Package ___
Contact Person: Adam Nasiatka	Attention: Adam Nasiatka	Attention: Muslima Ward		RUSH - Three Day ☐	NY ASP A Package ___
E-Mail Address: ANasiatka@hydrotechenvironmental	E-Mail Address: anasiatka@hydrotechenvironmental	E-Mail Address: MWard@hydrotechenvironmental	Samples from: CT___ NY ✓ NJ___	~~RUSH~~ - Four Day ☑	NY ASP B/CLP Pkg ___
				Standard(5-7 Days) ☐	NJDEP Reduced ___
					Electronic Deliverables:
					EDD (Specify Type) ___
					Standard Excel ___
					Regulatory Comparison 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): [signature]

Name (printed): Sudley Perez

Air Matrix Codes

- AI - INDOOR Ambient Air
- AO - OUTDOOR Amb. Air
- AE - Vapor Extraction Well/ Process Gas/Effluent
- AS - SOIL Vapor/Sub-Slab

Additional Notes:

Detection Limits Required

- ≤ 1 ug/m³ ___
- NYSDEC VI Limits ___ (VI =vapor instrusion)
- NJDEP low level ___
- Routine Survey ___
- Other ___

Special Instructions

see comments

Please enter the following Field Data

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Canister ID	Flow Cont.ID	ANALYSES REQUESTED	Sampling Media
SS-1	6/1/17	AS	-29	-7	Y54	5609	TO + 15	6 Liter canister ✓ Tedlar Bag ___
SS-2	↓	AS	-24	-1	Y51	5601	↓	6 Liter canister ✓ Tedlar Bag ___
IA-1	↓	AI	-27	-5	16956	5612	↓	6 Liter canister ✓ Tedlar Bag ___
OA-1	↓	AO	-29	-5	17351	5611	↓	6 Liter canister ✓ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___
								6 Liter canister ___ Tedlar Bag ___

Comments

NYSDOH standards please

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Hydrotech Environmental	6/2/17 1115 AM	[signature]	6/2/17 1115 AM
Samples Relinquished By	**Date/Time**	**Samples Received in LAB by**	**Date/Time**
[signature]	6/2/17 8:30 pm	[signature]	6-2-17 2030