Advanced Cleanup Technologies, Inc.

ENVIRONMENTAL CONSULTANTS

SITE CHARACTERIZATION REPORT

TONY'S CLEANERS

429-435 Merrick Road

Lynbrook, New York 11563

NYSDEC Site No. 130217

ACT File No. 7045-LBNY

June 12, 2015

Prepared for:

Mr. Howard Zuckerman

Nu-Life Realty

429 Merrick Road

Lynbrook, New York 11563

Prepared by:

Advanced Cleanup Technologies, Inc.

110 Main Street, Suite 103

Port Washington, NY 11050

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CERTIFICATION

I, Paul P. Stewart, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375] and that this Site Characterization Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Paul P. Stewart
QEP Name

QEP Signature

10/24/16
Date

1.0 INTRODUCTION

1.1 OBJECTIVES

At the request of Nu-Life Realty LLC and in response to an Order on Consent and Administrative Settlement, Advanced Cleanup Technologies, Inc. (ACT) prepared a Site Characterization (SC) Work Plan for the property located at 429-435 Merrick Road, Lynbrook, NY 11563 the "Site." The SC Work Plan was prepared in general conformance with NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (May 3, 2010). The SC Work Plan outlined soil, groundwater, soil vapor, and vapor intrusion investigations, as well as protocols for health and safety and community air monitoring.

The overall objectives of the SC Work Plan were to:

- Verify that soil, soil vapor and groundwater quality have been fully characterized;
- Determine whether the existing SVE/SSD system has been effective in stopping the migration of soil vapor to areas surrounding the dry cleaner;
- Assess whether adjacent commercial units are being impacted by the migration of vapors from the dry cleaner;
- Prepare a DAR-1 analysis to ensure that the current SVE/SSD system meets NYSDEC permissible emission limits.

1.2 PURPOSE OF REPORT

The purpose of this Site Characterization Report is to provide a summary of current environmental conditions at the Site. The SC Work Plan was prepared by ACT on August 28, 2014 and approved by the NYSDEC on September 22, 2014. Since then,

ACT has performed all of the tasks outlined in the SC Work Plan. This report summarizes the findings from tasks performed pursuant to the approved SC Work Plan.

1.3 SITE DESCRIPTION

The Site is located at the corner of Merrick Road to the south and Nieman Avenue to the East. Residential housing is located to the north. Our Lady of Peace elementary school and church is located to the east. Commercial properties are located to the west and south. A locational diagram provided in Figure 1.

The site consists of three adjoining lots totaling approximately 0.46 acres. The Site contains one building with 9 storefronts. The existing building is a 1-story structure constructed on a concrete slab with no basement. All commercial units are heated with natural gas, with the exception of the dry cleaner, which is heated with oil stored in a 275-gallon underground storage tank located in front of the building. The remaining property consists of an asphalt parking lot in the front and a concrete-paved alley behind the building. The building is connected to municipal water and sewer systems.

1.4 SITE HISTORY

The history of the site is documented in the Phase 1 Environmental Site Assessment by Atlantic Geoscience, Inc. dated December 21, 2000. Prior to 1960, the site had been developed with two small stores and, before that, with a single-family home in 1919. The site appears to have operated as a strip shopping center from about 1960 to the present. The current owner purchased the property on February 1, 2001 and continues to operate the site as a strip shopping center. It is unclear when dry cleaning operations commenced. According to a telephone conversation with Joseph Defranco of

the Nassau County Department of Health, the county had no records of historical dry cleaning operations at the Site.

1.5 PREVIOUS INVESTIGATIONS

A subsurface investigation was performed by Brockerhoff Environmental Services LLC (BES) in February 2012. During that investigation, seven soil borings were installed, screened and sampled at the Site, four within the dry cleaning building. Three monitoring wells were also installed, screened and sampled, and four on-site storm drains were surveyed and sampled. A diagram of historical BES sampling locations is contained in Figure 2 of the SC Work Plan. The soil and groundwater analytical results from that investigation are provided in Tables 1 and 2 of the SC Work Plan.

The BES report identified Tetrachlorothene (PCE) and Trichloroethene (TCE) in soil sample SS-2 next to the dry cleaning machine and SS-4 inside the northern portion of the building. Only PCE was found above NYSDEC Restricted Residential Soil Cleanup Objectives (RRSCOs) as per NYCRR Part 375, Table 375-6.8(b). PCE was also found in groundwater samples from all three monitoring wells, while TCE was only found in MW-1 and MW-2. Both PCE and TCE were found above water quality standards in MW-2, with PCE also above water quality standards in MW-1. According to BES investigation, PCE was also found in high concentrations in sediment sample DW-1. However, subsequent sediment samples collected from known storm drain locations were unable to replicate those results.

On July 13, 2012, ACT sampled the three existing monitoring wells at the Site and a fourth newly installed monitoring well in the southwest corner of the Site and

hydraulically downgradient from the dry cleaner. The investigation confirmed the presence of PCE (130 ug/L) and TCE (16 ug/L) in groundwater above water quality standards in front of the building (MW-2). However, only PCE (7.5 ug/L) was found slightly above water quality standards at the downgradient perimeter of the site (MW-4).

On August 15, 2012 ACT installed and sampled three soil borings inside the dry cleaning building. Three temporary monitoring wells were also installed and sampled at the borehole locations. Three dry wells were also sampled in the northern and southern exterior portions of the Site. Figure 3 of the SC Work Plan contains a diagram of ACT's 2012 sampling locations. Tables 3 and 4 of the SC Work Plan contain summaries of ACT's 2012 soil and groundwater quality results, respectively.

No VOCs were detected above RRSCOs in any of the soil borings except for Methylene Chloride in the deep sample from SB-2. Methylene Chloride was also found in the laboratory's method blank and is probably a laboratory artifact.

No VOCs were detected above RRSCOs in any of the storm drains, as indicated in Table 3. PCE and TCE were identified above water quality standards in all of the water samples collected from the interior temporary wells. Water quality was generally constant beneath the building with 230 ug/L of PCE found in the back of the dry cleaner (TW-3) and 180 ug/L found in the front (TW-1). Similar though lower concentrations of TCE and cis-Dichloroethene (cis-DCE) were observed in water samples from the interior temporary wells.

In April 2013, ACT installed a Sub-Slab Depressurization (SSD)/Soil Vapor Extraction (SVE) System beneath the Site to protect occupants of the building and remediate contaminated soil and groundwater. The combined SSD/SVE System controls the migration of contaminated groundwater by depressing the water table beneath the Site. The SSD/SVE system includes off-gas treatment with vapor phase granular-activated carbon (GAC).

The objectives of the SSD/SVE system were to 1) maintain a negative pressure beneath the building foundation in order to prevent VOCs from entering the building's breathing zone; 2) remove VOCs from subsurface soil and groundwater and to restore the ground water to drinking water quality or to the best quality reasonably attainable using the best available technology, and 3) to prevent any further migration of groundwater containing VOCs beyond the Site.

2.0 SOIL INVESTIGATION

On October 9 and October 10, 2014, two soil borings (SB-5 and SB-6) were installed at the site. Soil boring SB-5 was installed in between MW-1 and MW-4 along the sidewalk curb in front of the building. Soil boring SB-6 was installed in the rear alley along the northern property boundary to assess soil quality behind the dry cleaner. The general locations of these soil borings are depicted in Figure 2.

Soil boring SB-5 was installed using a truck-mounted Geoprobe-style drill unit equipped with 5-foot macro core soil samplers and dedicated acetate liners. Soil boring SB-6 was installed using a portable Geoprobe-style hydraulic drill unit equipped with 4-

foot macro core soil samplers and dedicated acetate liners.

Soil samples were collected continuously from grade to the water table surface. Soil recovered from each macro core sampler was visually characterized for color, texture, and moisture content and screened with a photoionization detector (PID). The presence of visible staining and elevated PID readings were noted. In the absence of visual or olfactory evidence of contamination or elevated PID readings, a soil sample was collected for laboratory analysis from the soil/water table interface.

Soils consisted of fine- to medium-grained sands with some pebbles, silt and clay above the water table and medium-grained sands below the water table. No odor was detected in either soil boring. PID readings were very inconsistent, especially at the water table, which may have been due to dirt or water vapor present the UV lamp.

A maximum PID reading of 40 parts-per-million (ppm) was recorded at a depth of 4 to 5 feet below grade (fbg) in SB-5 and 3,000 ppm at the water table (11 to 12 fbg) in SB-6. The PID was observed to be fluctuating erratically at the water table, likely due to entrained water vapor. Soil samples from depths of 4 to 5 fbg and 11 to 12 fbg in SB-5 were retained for laboratory analysis. In SB-6, a dry soil sample from the soil-water interface (10-11 fbg) was collected for laboratory analysis.

All soil samples were submitted to York Analytical Laboratories, Inc. (NYSDOH #10854), a NYSDOH-approved laboratory located at 120 Research Drive, Stratford, CT, for analysis in accordance with EPA Method 8260. As indicated in Table 1, no VOCs were detected above the laboratory method detections limits in any of the soil samples.

3.0 GROUNDWATER INVESTIGATION

3.1 BASELINE GROUNDWATER SAMPLING

On September 10, 2014, ACT performed a routine groundwater-sampling event including the four cased groundwater-monitoring wells at the site (MW-1 through MW-4). The locations of these monitoring wells are depicted in Figure 2.

Groundwater samples were collected into laboratory-issued sampling containers after purging each well of water as per the specifications of the USEPA "Low Stress Purging and Sampling Procedure for the Collection of Groundwater Samples From Monitoring Wells," revised January 19th, 2010 (EQASOP-GW001). Prior to purging, depth to water was determined using a conductivity meter accurate to the nearest 0.01 feet. Groundwater was obtained from the existing monitoring wells utilizing a peristaltic pump with dedicated polyethylene tubing.

A total of four groundwater samples were collected from the site. Samples were submitted to York Analytical Laboratories, Inc. (NYSDOH #10854). Groundwater samples were analyzed for VOCs in accordance with EPA method 8260.

The analytical results for the groundwater samples collected from monitoring wells MW-1 through MW-4 on September 10, 2014 are summarized in Table 2. The groundwater quality data was compared to ambient water quality standards and guidance values contained in NYSDEC TOGS 1.1.1.

It can be seen in Table 2 that all groundwater samples contained low concentrations of PCE, with the highest concentration (33 ug/L) found in MW-4. The

corresponding groundwater standard for PCE is 5 ug/L. TCE was detected in MW-2 and MW-4, with the highest concentration (5.5 ug/L) also found in MW-4. The groundwater standard for TCE is 5 ug/L. Cis-1,2-DCE was also detected in MW-4 at a concentration of 2.9 ug/L, which is below its groundwater standard of 5 ug/L.

3.2 MONITORING WELL INSTALLATION

On October 9, 2014, a temporary well screen was advanced to a depth of 20 feet below the water table at the location of proposed MW-5. The temporary well was installed utilizing a truck mounted Geoprobe-style drill rig and consisted of a 1-inch diameter by 2 foot long, 20 mil slotted steel screen beneath solid steel riser pipe. Depth to groundwater was measured using a Solinst conductivity meter.

A groundwater sample was collected from the temporary well using the low-flow sampling technique. Prior to sampling, the well was purged of standing water until the turbidity was less than 50 Nephelometric Turbidity Units (NTU's). The groundwater sample (TW-5) was submitted to York Analytical Laboratories for VOC analysis via EPA Method 8260. Results, summarized in Table 2, indicate that PCE was found at 5.2 ug/L which is slightly above its water quality standard and cis-1,2-Dichlorethene was found at 0.84 ug/L which is below its water quality standard. No other VOCs were detected in TW-5.

Two additional cased monitoring wells (MW-5 and MW-6) were installed at the locations of soil borings SB-5 and SB-6, respectively, as indicated in Figure 2. Each cased monitoring well consists of 1 inch PVC riser pipe above a 10 foot by 1 inch diameter 20 mil slotted PVC well screen. The well screen was positioned so that three

feet of screen was located above the water table and 7 feet of screen was located below the water table to allow for seasonal water table fluctuations.

The annulus around each well screen was packed with coarse sand to the top of the screen followed by a 1 foot bentonite seal. The remainder of the borehole was backfilled with sand to just below ground surface where a flush-mounted manhole cover and concrete pad was installed. The manhole cover and top of casing elevations at each monitoring well was surveyed by a New York State licensed land surveyor to confirm the site-specific groundwater flow direction.

On November 4, 2014, depth to groundwater was measured in each cased monitoring well to the nearest 0.01 feet utilizing a Solinst electronic interface probe. Table 3 contains a summary of surveyed top of casing elevations, depth to ground water and ground water flow elevations for each monitoring well.

Figure 3 depicts groundwater flow in a southwesterly direction with a slight mounding in the vicinity of MW-2. The observed mounding may be attributable to operation of the SSD/SVE system, which increases the water table elevation in close proximity to vacuum wells. Mounding can also accelerate the movement of contamination by increasing the hydraulic gradient between a source area vacuum well and a downgradient monitoring well.

The ground water flow direction measured on November 4, 2014 is consistent with the direction of groundwater flow determined by BES on February 27, 2012 and ACT on June 27, 2012 and July 13, 2012. Copies of ground water flow diagrams for the historical ground water monitoring events are provided in Appendix A.

3.3 FOLLOWUP GROUNDWATER SAMPLING

On November 4, 2014, groundwater samples were collected from the existing and newly-installed cased monitoring wells using low-flow sampling techniques. Prior to sampling, each monitoring well was purged of standing water until a turbidity below 50 NTU's was measured. All groundwater samples were submitted to York Analytical Laboratories for VOC analysis via EPA Method 8260.

As summarized in Table 2, all groundwater samples contained trace concentrations PCE, ranging from 0.53 ug/L in MW-6 located along the northern (upgradient) property boundary to 63 ug/L in MW-4 located in the southwest (downgradient) portion of the property. TCE was detected in MW-2, MW-4, and MW-5, with MW-4 containing the highest concentration (17 ug/L). Cis-1,2-Dichloroethene was detected in MW-4 and MW-5 with a maximum concentration (44 ug/L) in MW-4. Trace concentrations of of 2-Butanone, Acetone, Ethylbenzene, o-Xylene, p-Isopropyltoluene, and trans-1,2-Dichloroethene were sporadically detected below groundwater standards.

4.0 SOIL VAPOR INVESTIGATION

4.1 VAPOR INTRUSION STUDY

A Vapor Intrusion Study was performed at the commercial units adjacent to the existing dry cleaner at the site in accordance with the NYSDOH document entitled *Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006*. The results of that Vapor Intrusion Study were transmitted to the NYSDOH and adjacent commercial units in accordance with the NYSDEC's Tenant Notification Law. The

results have been utilized in the design of vapor mitigation measures pursuant to an Interim Remedial Measure (IRM) Work Plan approved by the NYSDEC on October 8, 2014. Implementation of the IRM Work Plan is now complete and the results have been documented in a Construction Completion Report.

4.2 SOIL VAPOR INVESTIGATION

As outlined in the SC Work Plan, three soil vapor probes were installed at the site at the locations indicated in Figure 2. Soil vapor probe SV-1 was installed in the rear alley approximately 15 feet to the east of the dry cleaner and soil vapor probe SV-2 was installed in the rear alley approximately 15 feet to the west of the dry cleaner. The third soil vapor probe (SV-3) was installed in the depression behind the Laundromat where a former onsite drainage structure may have been located.

Each soil vapor probe consists of a 6 inch long by 3/8 inch diameter woven stainless steel screen attached to 3/8 inch polyethylene tubing. Each soil vapor probe was installed to a depth of approximately 6 fbg utilizing a portable Geoprobe-style percussion unit. The annulus around the soil vapor probe was backfilled with coarse sand. The annulus around the tubing was backfilled with bentonite pellets followed by native soil. A helium tracer gas was utilized to ensure that ambient air would not enter the sample.

On October 10, 2014, a 6-liter Summa Canister was attached to the polyethylene tubing at each soil vapor probe and allowed to fill with soil vapor at a flow rate of approximately 20 ml/min. Once pressure in each canister dropped to less than 10 in. Hg, the canister was sealed and transported to York Analytical Laboratories for VOC analysis in accordance with EPA Method TO-15.

A summary of VOC's detected in soil vapor samples SV-1 through SV-3 is provided in Table 4. It can be seen from Table 4 that only trace levels of PCE were detected in soil vapor samples SV-1 and SV-2 located adjacent to the dry cleaner, while PCE was detected above its air guideline in SV-3 along the western property boundary. An auto repair facility is believed to be operating inside the adjacent building to the west.

5.0 DECONTAMINATION AND WASTE DISPOSAL

5.1 DECONTAMINATION PROCEDURES

All equipment was decontaminated following the procedures outlined in the SC Work Plan. In general, all non-disposable equipment, in particular all drilling tools and groundwater- sampling equipment, was decontaminated prior to first use on site, between each investigated location, and prior to demobilization.

5.2 WASTE DISPOSAL

All waste derived from the investigation, including but not limited to all drill cuttings and monitoring well purge or development water, were contained on-site for appropriate characterization and offsite disposal. Discarded soil, personal protective equipment, and spent disposable sampling materials were segregated by waste type and placed in a DOT-approved 55-gallon steel drum that was removed from the Site by Cycle Chem. A waste manifest for the disposal of the drum of investigative derived waste is included in Appendix B.

6.0 DISCUSSION

6.1 SOIL AND SEDIMENT QUALITY

Previous investigations have identified low to moderate levels of PCE and TCE in soil beneath the dry cleaner which are currently being remediated by the active SSD/SVE system. Soil samples collected during the current investigation failed to detect either compound in subsurface soil beneath the concrete-paved northern alley or asphalt-paved southern parking lot.

The February 27, 2012 BES investigation identified significant PCE contamination in storm drain sediment. All onsite storm drains were cleaned out on July 24, 2012. Copies of the waste manifests are contained in Appendix B. Sediment samples collected following their cleanout failed to detect PCE in any storm drain.

6.2 GROUND WATER QUALITY

Ground water quality was determined on four separate monitoring events between 2012 and 2014. Several trends in ground water quality were observed over this time period. Firstly, water quality in MW-2, located closest to the dry cleaning machine, consistently improved from 160 ug/L of PCE and 37 ug/L of TCE in 2012 to 3.8 ug/L of PCE and 0.41 ug/L of TCE in November 2014.

A similar improvement in water quality was observed in monitoring well MW-1 located in the southeast corner of the property where concentrations of PCE and TCE declined from 12 ug/L and 2.3 ug/L, respectively, in 2012 to 1.0 ug/L and none detected, respectively, in 2014. Water quality in MW-3 located cross-gradient of the dry cleaner

improved from 3.0 ug/L PCE in 2012 to 1.5 ug/L PCE in 2014.

The only monitoring well showing consistently declining water quality was MW-4 located in the southwest portion of the site and the direction of ground water flow directly downgradient of the dry cleaner. PCE concentrations in MW-4 increased from 7.5 ug/L in 2012 to 63 ug/L in 2014. This trend is likely caused by activation of the onsite SSD/SVE system, which caused ground water mounding beneath the dry cleaner to increase the movement of PCE in a downgradient direction. Water quality in MW-4 should rapidly improve, although at a somewhat delayed rate due it distance from the source area. area.

6.3 SOIL VAPOR QUALITY

As mentioned above, only trace levels of PCE were detected in soil vapor adjacent to the dry cleaner, while PCE was detected above its air guideline in soil vapor collected along the western property boundary. An adjacent offsite source may be responsible for the latter contamination.

Contaminated soil vapor beneath the site is being controlled by a combination of an upgraded ventilation system, an active SSD/SVE system and improved health and safety practices inside the dry cleaner, all of which have been documented in a Construction Completion Report. Indoor air samples collected over the past heating season demonstrate that air quality inside the adjacent commercial units are within NYSDOH indoor air guidelines.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 CONCLUSIONS

This Site Characterization Report has been prepared to summarize investigations conducted at the site to date. These investigations have demonstrated the following:

- Soil and soil vapor impacts are limited to the area of the site beneath the dry cleaner and are being controlled and remediated by an enhanced SSD/SVE system installed pursuant to an approved IRM Work Plan and documented in the Construction Completion Report for the site.

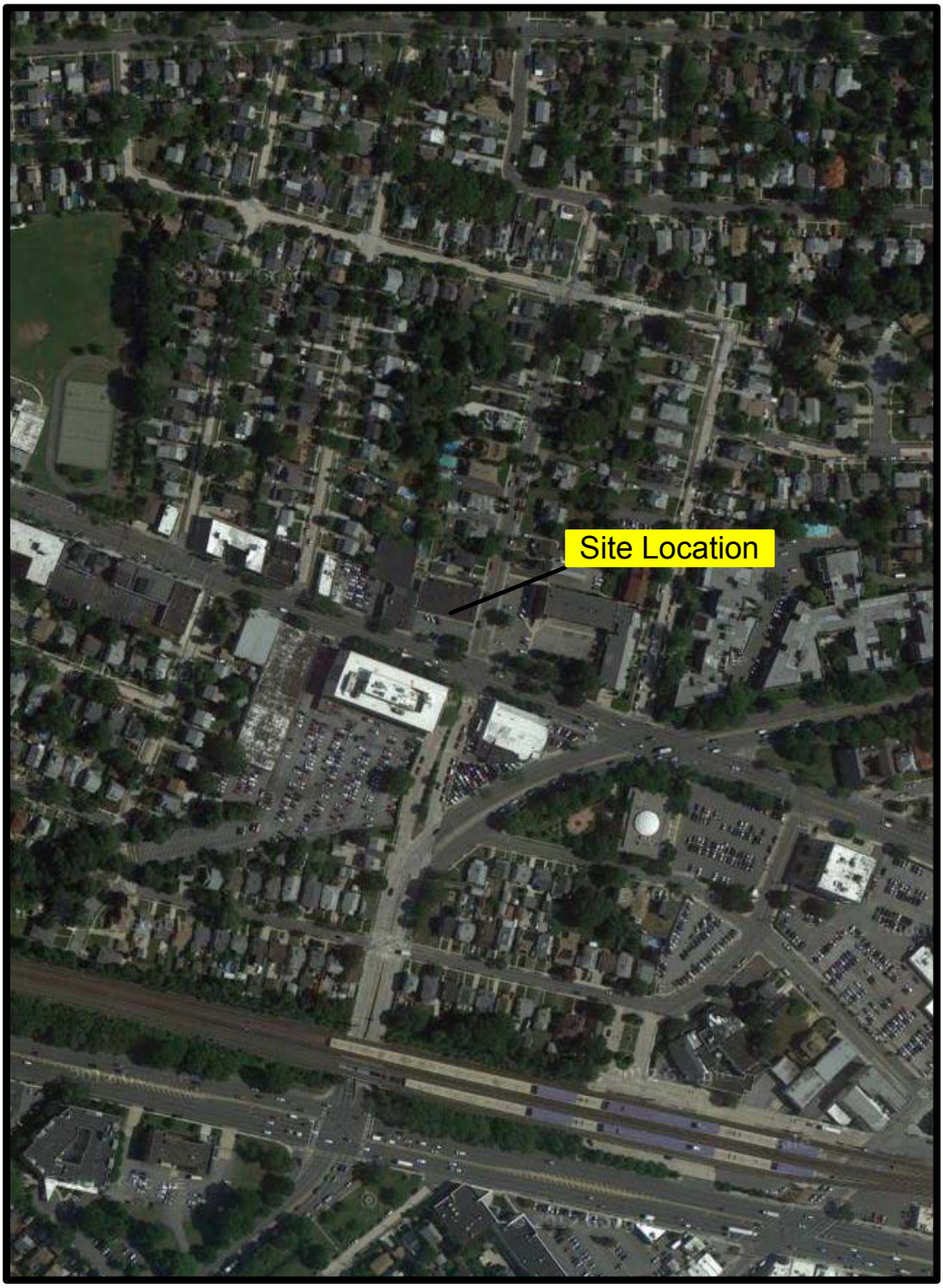
- Ground water quality has improved considerably over the past 2½ years and should meet water quality standards in the near future.

7.2 RECOMMENDATIONS

Pursuant to Order on Consent A1-0817-13-1, a Certificate of Completion will be issued by the NYSDEC at the conclusion of the remedial program.

Figure 1

Locational Diagram



From Google
Imagery Copyright 2013 Bluesky,
DigitalGlobe, GeoEye, New York GIS

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Locational Diagram

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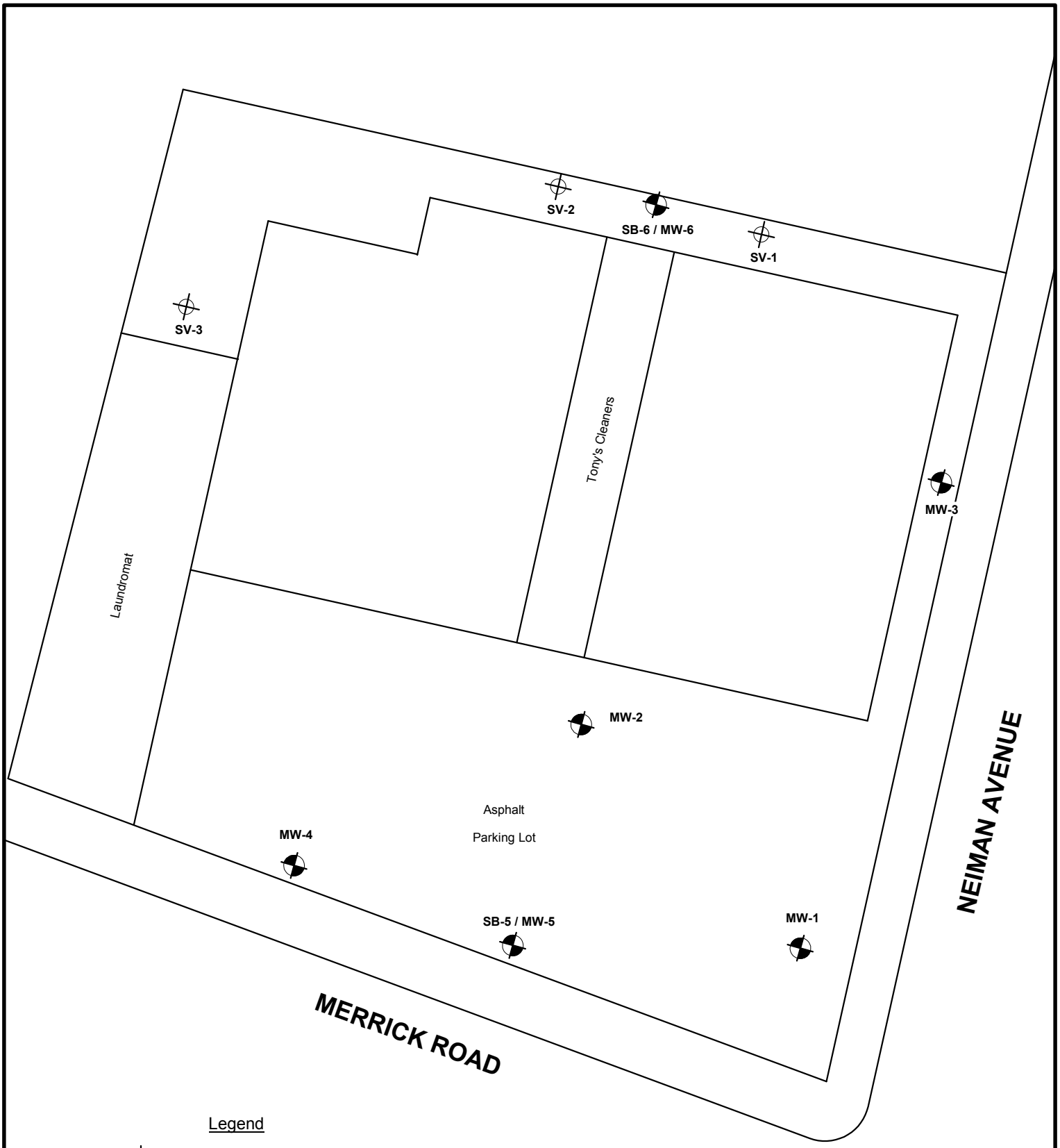
ENVIRONMENTAL CONSULTANTS
960 S. Broadway, Suite 100, Hicksville, New York 11801
Tel: 516-933-0655 Fax: 516-933-0659

Project No.: 7045-LBNY	Figure No.: 1
Date: 05/02/2013	Scale: 1 inch = 200 feet

Figure 2

Sampling Locations



Legend

MW-1 — Existing Monitoring Well

SB-5 / MW-5 — Soil Boring and Monitoring Well

SV-1 — Soil Vapor Probe

N

Sampling Locations

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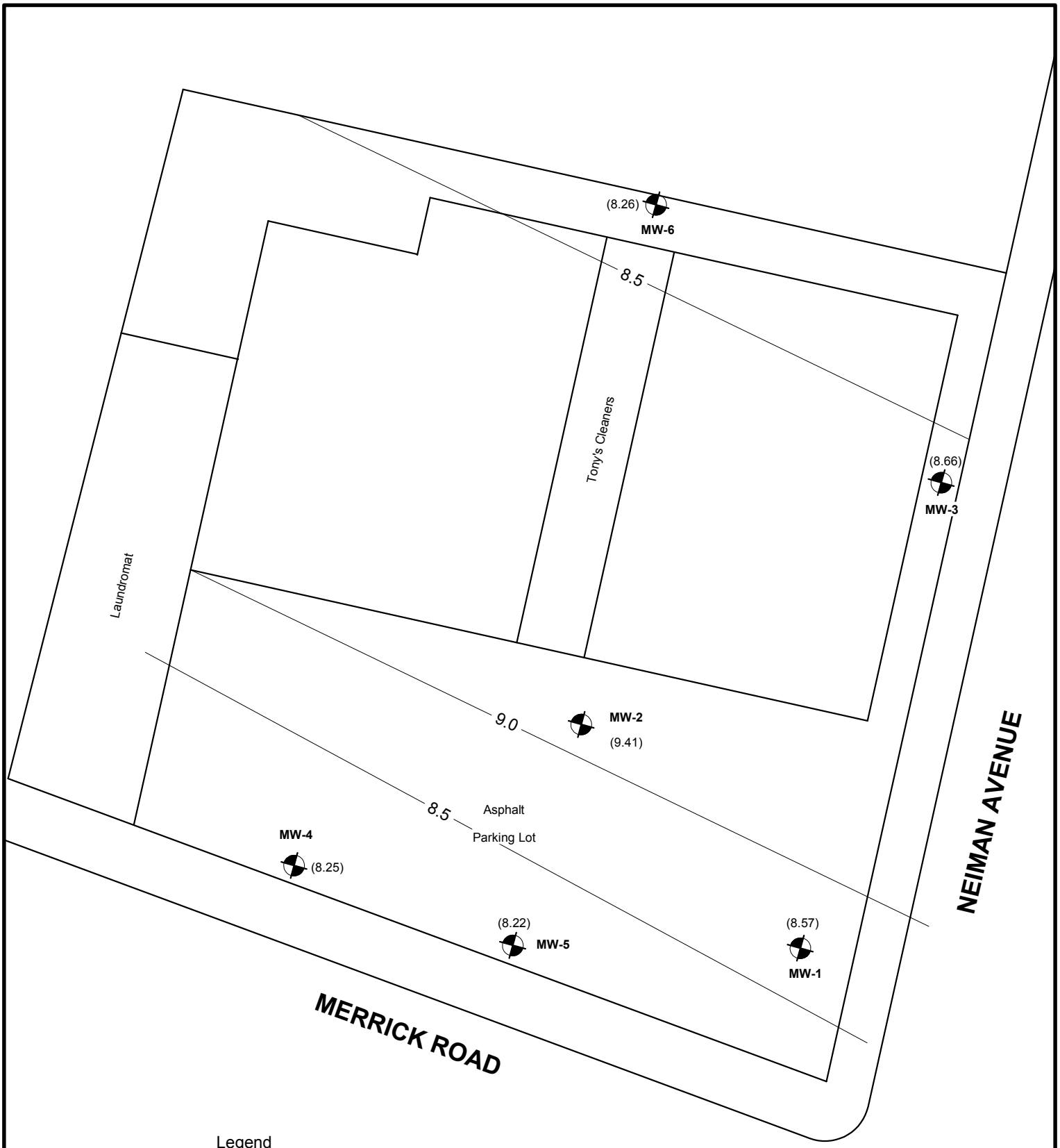
Project No.: 7045-LBNY	Figure No.: 2
Date: 06/11/2015	Scale: Not To Scale

Figure 3

Groundwater Flow – November 4, 2014



Legend

(8.57) MW-1 — Elevation (ft., rel.) / Existing Monitoring Wells

8.0 — Equipotential Contour

N

Surveyed By Leonard J. Standberg and Associates

Groundwater Flow - 11/4/2014

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Project No.: 7045-LBNY	Figure No.: 3
Date: 06/11/2015	Scale: Not To Scale

Table 1

Volatile Organic Compounds in Soil

Table 1

Volatile Organic Compounds in Soil (ug/kg-dry)
EPA Method 8260
429 Merrick Road
Lynbrook, NY

ACT Project No.: 7045-LBNY

Sample ID Sample Date	UUSCO [1]	Standard RRSCO [2]	CSCO [3]	SB-5 (4-5') 10/9/14	SB-5 (11-12') 10/9/14	SB-6 (10-11') 10/10/14
1,1,1,2-Tetrachloroethane	NS	NS	NS	<2.5	<2.6	<2.7
1,1,1-Trichloroethane	680	100,000	500,000	<2.5	<2.6	<2.7
1,1,2,2-Tetrachloroethane	NS	NS	NS	<2.5	<2.6	<2.7
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	NS	<2.5	<2.6	<2.7
1,1,2-Trichloroethane	NS	NS	NS	<2.5	<2.6	<2.7
1,1-Dichloroethane	270	26,000	240,000	<2.5	<2.6	<2.7
1,1-Dichloroethene	330	100,000	500,000	<2.5	<2.6	<2.7
1,2,4-Trichlorobenzene	NS	NS	NS	<2.5	<2.6	<2.7
1,2,4-Trimethylbenzene	4,700	5,200	19,000	<2.5	<2.6	<2.7
1,2-Dibromo-3-chloropropane	NS	NS	NS	<2.5	<2.6	<2.7
1,2-Dibromoethane	NS	NS	NS	<2.5	<2.6	<2.7
1,2-Dichlorobenzene	1,100	100,000	500,000	<2.5	<2.6	<2.7
1,2-Dichloroethane	20	3,100	30,000	<2.5	<2.6	<2.7
1,2-Dichloropropane	NS	NS	NS	<2.5	<2.6	<2.7
1,3,5-Trimethylbenzene	4,700	5,200	19,000	<2.5	<2.6	<2.7
1,3-Dichlorobenzene	2,400	49,000	280,000	<2.5	<2.6	<2.7
1,4-Dichlorobenzene	1,800	13,000	130,000	<2.5	<2.6	<2.7
1,4-Dioxane	980	1,300	13,000	<49	<52	<54
2-Butanone	120	100,000	500,000	<2.5	<2.6	<2.7
2-Hexanone	NS	NS	NS	<2.5	<2.6	<2.7
4-Methyl-2-pentanone	NS	NS	NS	<2.5	<2.6	<2.7
Acetone	50	100,000	500,000	<4.9	<5.2	<5.4
Acrolein	NS	NS	NS	<4.9	<5.2	<5.4
Acrylonitrile	NS	NS	NS	<2.5	<2.6	<2.7
Benzene	60	4,800	44,000	<2.5	<2.6	<2.7
Bromodichloromethane	NS	NS	NS	<2.5	<2.6	<2.7
Bromoform	NS	NS	NS	<2.5	<2.6	<2.7
Bromomethane	NS	NS	NS	<2.5	<2.6	<2.7
Carbon disulfide	NS	NS	NS	<2.5	<2.6	<2.7
Carbon tetrachloride	760	2,400	22,000	<2.5	<2.6	<2.7
Chlorobenzene	1,100	100,000	500,000	<2.5	<2.6	<2.7
Chloroethane	NS	NS	NS	<2.5	<2.6	<2.7
Chloroform	370	49,000	350,000	<2.5	<2.6	<2.7
Chloromethane	NS	NS	NS	<2.5	<2.6	<2.7
cis-1,2-Dichloroethene	250	100,000	500,000	<2.5	<2.6	<2.7
cis-1,3-Dichloropropene	NS	NS	NS	<2.5	<2.6	<2.7
Dibromochloromethane	NS	NS	NS	<2.5	<2.6	<2.7
Dibromomethane	NS	NS	NS	<2.5	<2.6	<2.7
Dichlorodifluoromethane	NS	NS	NS	<2.5	<2.6	<2.7
Ethylbenzene	1,000	41,000	390,000	<2.5	<2.6	<2.7
Hexachlorobutadine	NS	NS	NS	<2.5	<2.6	<2.7
Isopropylbenzene	NS	NS	NS	<2.5	<2.6	<2.7
Methyl acetate	NS	NS	NS	<2.5	<2.6	<2.7
Methyl tert-butyl ether	930	100,000	500,000	<2.5	<2.6	<2.7
Methylene chloride	50	100,000	500,000	<4.9	<5.2	<5.4
n-Butylbenzene	NS	NS	NS	<2.5	<2.6	<2.7
n-Propylbenzene	NS	NS	NS	<2.5	<2.6	<2.7
o-Xylene	NS	NS	NS	<2.5	<2.6	<2.7
p- & m- Xylenes	NS	NS	NS	<4.9	<5.2	<5.4
p-Isopropyltoluene	NS	NS	NS	<2.5	<2.6	<2.7
sec-Butylbenzene	NS	NS	NS	<2.5	<2.6	<2.7
Styrene	NS	NS	NS	<2.5	<2.6	<2.7
tert-Butyl alcohol (TBA)	NS	NS	NS	<2.5	<2.6	<2.7
tert-Butylbenzene	NS	NS	NS	<2.5	<2.6	<2.7
Tetrachloroethene	1,300	19,000	150,000	<2.5	<2.6	<2.7
Toluene	700	100,000	500,000	<2.5	<2.6	<2.7
trans-1,2-Dichloroethene	100,000	100,000	500,000	<2.5	<2.6	<2.7
trans-1,3-Dichloropropene	NS	NS	NS	<2.5	<2.6	<2.7
Trichloroethene	470	21,000	200,000	<2.5	<2.6	<2.7
Trichlorofluoromethane	NS	NS	NS	<2.5	<2.6	<2.7
Vinyl chloride	20	900	13,000	<2.5	<2.6	<2.7
Xylenes (Total)	260	100,000	500,000	<7.4	<7.8	<8.1

[1] Unrestricted Use Soil Cleanup Objectives, Table 375-6.8(a), 6 NYCRR 375, NYSDEC 2006
[2] Restricted Residential Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
[3] Commercial Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory standard
NS = No Standard

Table 2

Volatile Organic Compounds in Groundwater

Table 2

Volatile Organic Compounds in Groundwater (ug/l)

EPA Method 8260

429 Merrick Road

Lynbrook, NY

ACT Project No.: 7045-LBNY

Sample ID Sample Date	Standard [1]	MW-1 9/10/14	MW-2 9/10/14	MW-3 9/10/14	MW-4 9/10/14	TW-5 10/9/14
1,1,1,2-Tetrachloroethane	5	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	5	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,2,2-Tetrachloroethane	0.2	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloroethane	1	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	5	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethene	0.7	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,4-Trichlorobenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,4-Trimethylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dibromo-3-chloropropane	0.04	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dibromoethane	NS	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	2	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	0.6	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	1	<0.20	<0.20	<0.20	<0.20	<0.20
1,3,5-Trimethylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20
1,3-Dichlorobenzene	3	<0.20	<0.20	<0.20	<0.20	<0.20
1,4-Dichlorobenzene	3	<0.20	<0.20	<0.20	<0.20	<0.20
1,4-Dioxane	NS	<40	<40	<40	<40	<40
2-Butanone	50	<0.20	<0.20	<0.20	<0.20	<0.20
2-Hexanone	50	<0.20	<0.20	<0.20	<0.20	<0.20
4-Methyl-2-pentanone	NS	<0.20	<0.20	<0.20	<0.20	<0.20
Acetone	50	<1.0	<1.0	<1.0	<1.0	<1.0
Acrolein	NS	<0.20	<0.20	<0.20	<0.20	<0.20
Acrylonitrile	5	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	0.7	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	50	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	50	<0.20	<0.20	<0.20	<0.20	<0.20
Bromomethane	5	<0.20	<0.20	<0.20	<0.20	<0.20
Carbon disulfide	NS	<0.20	<0.20	<0.20	<0.20	<0.20
Carbon tetrachloride	5	<0.20	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroethane	5	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	7	<0.20	<0.20	<0.20	<0.20	<0.20
Chloromethane	NS	<0.20	<0.20	<0.20	<0.20	<0.20
cis-1,2-Dichloroethene	5	<0.20	<0.20	<0.20	**2.9**	**0.84**
cis-1,3-Dichloropropene	0.4	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	50	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromomethane	5	<0.20	<0.20	<0.20	<0.20	<0.20
Dichlorodifluoromethane	5	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20
Hexachlorobutadiene	0.5	<0.20	<0.20	<0.20	<0.20	<0.20
Isopropylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Acetate	NS	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl tert-butyl ether	10	<0.20	<0.20	<0.20	<0.20	<0.20
Methylene chloride	5	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20
n-Propylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20
o-Xylene	5	<0.20	<0.20	<0.20	<0.20	<0.20
p- & m-Xylenes	5	<0.50	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene	5	<0.20	<0.20	<0.20	<0.20	<0.20
sec-Butylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20
Styrene	50	<0.20	<0.20	<0.20	<0.20	<0.20
tert-Butyl alcohol (TBA)	NS	<0.50	<0.50	<0.50	<0.50	<0.50
tert-Butylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	5	**2.8**	**6.0**	**1.0**	**33**	**5.2**
Toluene	5	<0.20	<0.20	<0.20	<0.20	<0.20
trans-1,2-Dichloroethene	5	<0.20	<0.20	<0.20	<0.20	<0.20
trans-1,3-Dichloropropene	NS	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethene	5	<0.20	**0.58**	<0.20	**5.5**	**1.3**
Trichlorofluoromethane	5	<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl chloride	2	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene (total)	15	<0.60	<0.60	<0.60	<0.60	<0.60

[1] NYS DEC TOGS 1.1.1, June, 1998
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory guidance
NS = No Standard

Table 2 (Continued)

Volatile Organic Compounds in Groundwater (ug/l)

EPA Method 8260

429 Merrick Road

Lynbrook, NY

ACT Project No.: 7045-LBNY

Sample ID Sample Date	Standard [1]	MW-1 11/4/14	MW-2 11/4/14	MW-3 11/4/14	MW-4 11/4/14	MW-5 11/4/14	MW-6 11/4/14
1,1,1,2-Tetrachloroethane	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,2,2-Tetrachloroethane	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloroethane	1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethene	0.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,4-Trichlorobenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,4-Trimethylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dibromo-3-chloropropane	0.04	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dibromoethane	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	0.6	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,3,5-Trimethylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,3-Dichlorobenzene	3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,4-Dichlorobenzene	3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,4-Dioxane	NS	<40	<40	<40	<40	<40	<40
2-Butanone	50	<0.20	<0.20	<0.20	<0.20	**0.52**	<0.20
2-Hexanone	50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
4-Methyl-2-pentanone	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acetone	50	**1.3**	<1.0	<1.0	**1.5**	<1.0	**1.1**
Acrolein	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acrylonitrile	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	0.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromodichloromethane	50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromomethane	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Carbon disulfide	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Carbon tetrachloride	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroethane	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloromethane	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
cis-1,2-Dichloroethene	5	<0.20	<0.20	<0.20	**44**	**1.4**	<0.20
cis-1,3-Dichloropropene	0.4	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromomethane	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dichlorodifluoromethane	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20	**0.24**
Hexachlorobutadiene	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Isopropylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Acetate	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl tert-butyl ether	10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methylene chloride	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
n-Propylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
o-Xylene	5	<0.20	<0.20	<0.20	<0.20	<0.20	**0.34**
p- & m-Xylenes	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene	5	<0.20	<0.20	<0.20	<0.20	<0.20	**0.80**
sec-Butylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Styrene	50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
tert-Butyl alcohol (TBA)	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
tert-Butylbenzene	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	5	**1.0**	**3.8**	**1.5**	**63**	**30**	**0.53**
Toluene	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
trans-1,2-Dichloroethene	5	<0.20	<0.20	<0.20	**0.47**	<0.20	<0.20
trans-1,3-Dichloropropene	NS	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethene	5	<0.20	**0.41**	<0.20	**17**	**3.8**	<0.20
Trichlorofluoromethane	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl chloride	2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene (total)	15	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60

[1] NYS DEC TOGS 1.1.1, June, 1998

Bolded values signify detection above method detection limit

Highlighted values signify exceedance of regulatory guidance

NS = No Standard

Table 3

Well Casing Coordinates and Elevations

LEONARD J. STRANDBERG AND ASSOCIATES,
Consulting Engineers and Land Surveyors, P.C.

Job # 14-37622E
429-441 Merrick Road
Lynbrook, NY
Section: 37, Block:320, Lot: 161

SOIL BORINGS/ MONITORING WELLS

DESC.	READING	READING	READING	
	NORTHING	EASTING	ELEVATONS	
			RIM	INNER PVC
MW-1	179394.933	1073980.325	18.87	18.28
MW-2	179433.756	1073942.278	19.99	18.60
MW-3	179475.723	1074004.794	19.64	19.06
MW-4	179409.281	1073892.417	19.10	18.82
SB-5/MW-5	179395.409	1073930.397	18.95	18.75
SB-6/MW-6	179523.935	1073955.273	19.48	19.25

Coordinates are referenced to NAD 83 (Long Island Zone)
Elevations are referenced to NAVD 88.

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32 Smith Street, Freeport, New York 11520 • 516 378-2064 • 212-213-4090 • Fax 516-378-6649

Table 4

Volatile Organic Compounds in Soil Vapor

Table 4

Volatile Organic Compounds in Soil Vapor (ug/m3)
EPA Method TO-15
429 Merrick Road
Lynbrook, NY

NYSDEC Site No. 130217
ACT Project No.: 7045-LBNY

Sample ID	NYSDOH Indoor	SV-1	SV-2	SV-3
Sample Date	Air Guideline [1]	10/10/14	10/10/14	10/10/14
Vinyl chloride	NA	<0.064	<0.095	<1.3
Vinyl acetate	NA	<0.35	<0.53	<7.0
Trichloroethene	5	**1.0**	<0.20	<2.7
1,3-Dichloropropene (trans)	NA	<0.45	<0.68	<9.0
1,2-Dichloroethene (trans)	NA	<0.40	<0.59	<7.8
Toluene	NA	**140**	**25**	**160**
Tetrahydrofuran	NA	<0.29	<0.44	<5.8
Tetrachloroethene	30	**14**	**3.7**	**83**
Styrene	NA	<0.43	<0.64	<8.4
Propylene	NA	<0.17	<0.26	<3.4
4-Ethyltoluene	NA	**27**	**13**	**25**
Xylenes (m&p)	NA	**120**	**41**	**120**
Xylenes (o)	NA	**31**	**11**	**33**
n-Hexane	NA	**17**	**3.6**	**24**
n-Heptane	NA	**11**	**2.4**	**17**
Methylene chloride	60	**1.6**	**1.4**	<14
Methyl tert-butyl ether	NA	<0.36	<0.54	<7.1
4-Methyl-2-pentanone	NA	<0.41	<0.61	<8.1
Isopropanol	NA	**0.93**	**3.7**	<9.7
1,3-Hexachlorobutadiene	NA	<1.1	<1.6	<21
Ethylbenzene	NA	**27**	**8.6**	**32**
Ethyl acetate	NA	<0.72	<1.1	<14
Cyclohexane	NA	**1.8**	**0.67**	<6.8
1,3-Dichloropropene (cis)	NA	<0.45	<0.68	<9.0
1,2-Dichloroethene (cis)	NA	2.4	<0.59	<7.8
Chloromethane	NA	**1.3**	**1.6**	<4.1
Chloroform	NA	**1.0**	<0.73	<9.6
Chloroethane	NA	<0.26	<0.39	<5.2
Carbon tetrachloride	NA	**0.38**	**0.56**	<3.1
Carbon disulfide	NA	**3.6**	<0.46	<6.2
Bromomethane	NA	<0.39	<0.58	<7.7
Bromoform	NA	<1.0	<1.5	<20
Bromodichloromethane	NA	<0.62	<0.93	<12
Benzyl Chloride	NA	<0.52	<0.77	<10
Benzene	NA	**9.3**	**2.1**	**13**
Acetone	NA	**77**	**39**	**510**
2-Hexanone	NA	**4.3**	<1.2	<16
2-Butanone	NA	**5.2**	**5.3**	**21**
1,4-Dioxane	NA	<0.36	<0.54	<7.1
1,4-Dichlorobenzene	NA	<0.60	<0.90	<12
1,3-Dichlorobenzene	NA	<0.60	<0.90	<12
1,3-Butadiene	NA	<0.43	<0.65	<8.6
1,3,5-Trimethylbenzene	NA	**6.0**	**2.9**	<9.7
1,2-Dichlorotetrafluoroethane	NA	<0.70	<1.0	<14
1,2-Dichloropropane	NA	<0.46	<0.69	<9.1
1,2-Dichloroethane	NA	<0.40	<0.60	<8.0
1,2-Dichlorobenzene	NA	<0.60	<0.90	<12
1,2,4-Trimethylbenzene	NA	**25**	**15**	**22**
1,2,4-Trichlorobenzene	NA	<0.74	<1.1	<15
1,1-Dichloroethene	NA	<0.40	<0.59	<7.8
1,1-Dichloroethane	NA	<0.40	<0.60	<8.0
Trichlorofluoromethane	NA	**1.6**	**1.7**	<11
1,1,2-Trichloroethane	NA	<0.55	<0.81	<11
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	<0.77	<1.1	<15
1,1,2,2-Tetrachloroethane	NA	<0.69	<1.0	<14
1,1,1-Trichloroethane	NA	<0.55	<0.81	<11
Dichlorodifluoromethane	NA	**2.4**	**2.4**	<9.8
1,2-Dibromoethane	NA	<0.77	<1.1	<15
Dibromochloromethane	NA	<0.80	<1.2	<16
Methyl Methacrylate	NA	<0.41	<0.61	<8.1
Chlorobenzene	NA	<0.46	<0.69	<9.1

e 3.1, NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (October
Bolded values signify detection above method detection limit
Highlighted values signify detection above guidance value
NA = Guidance Value Not Available

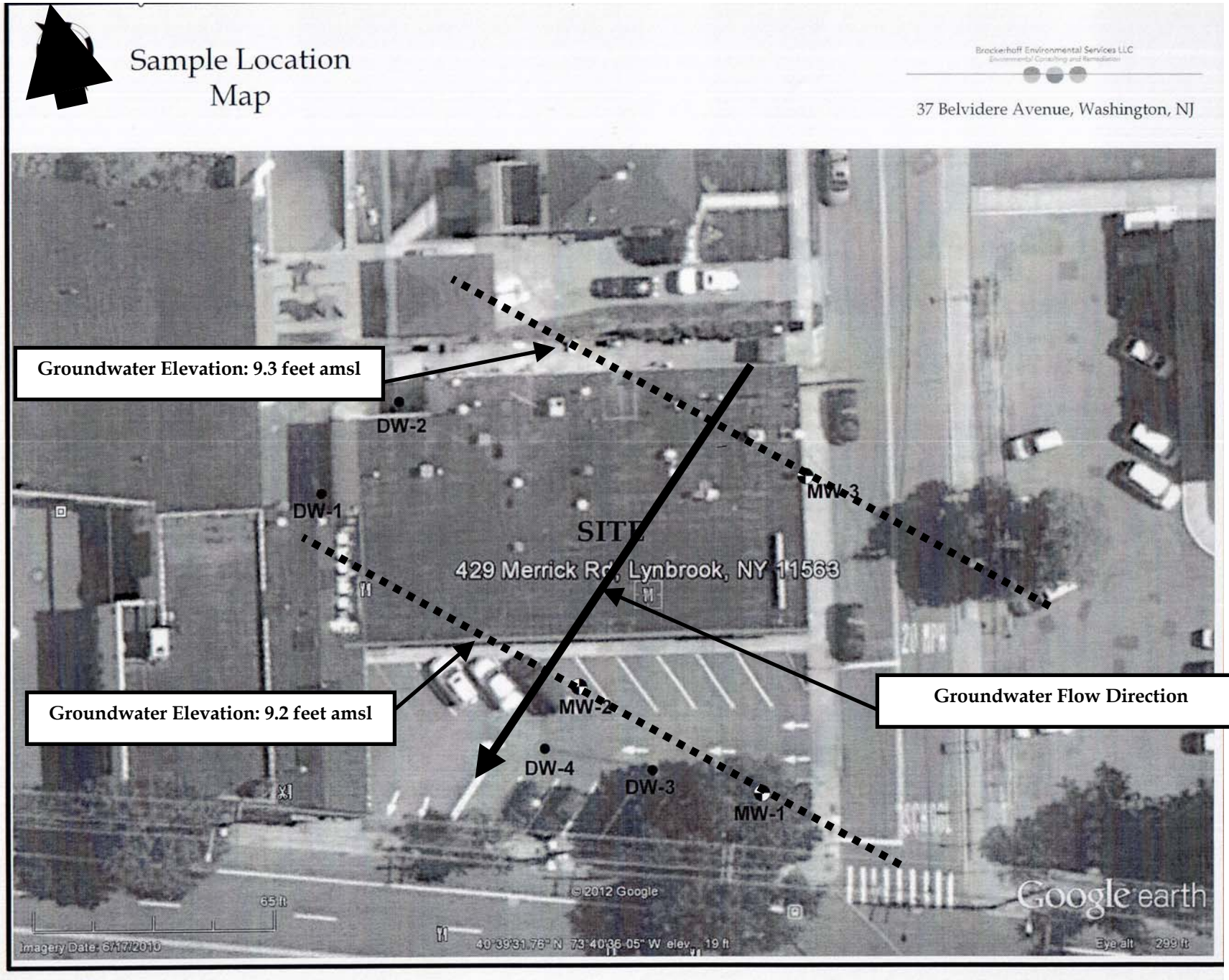
Appendix A

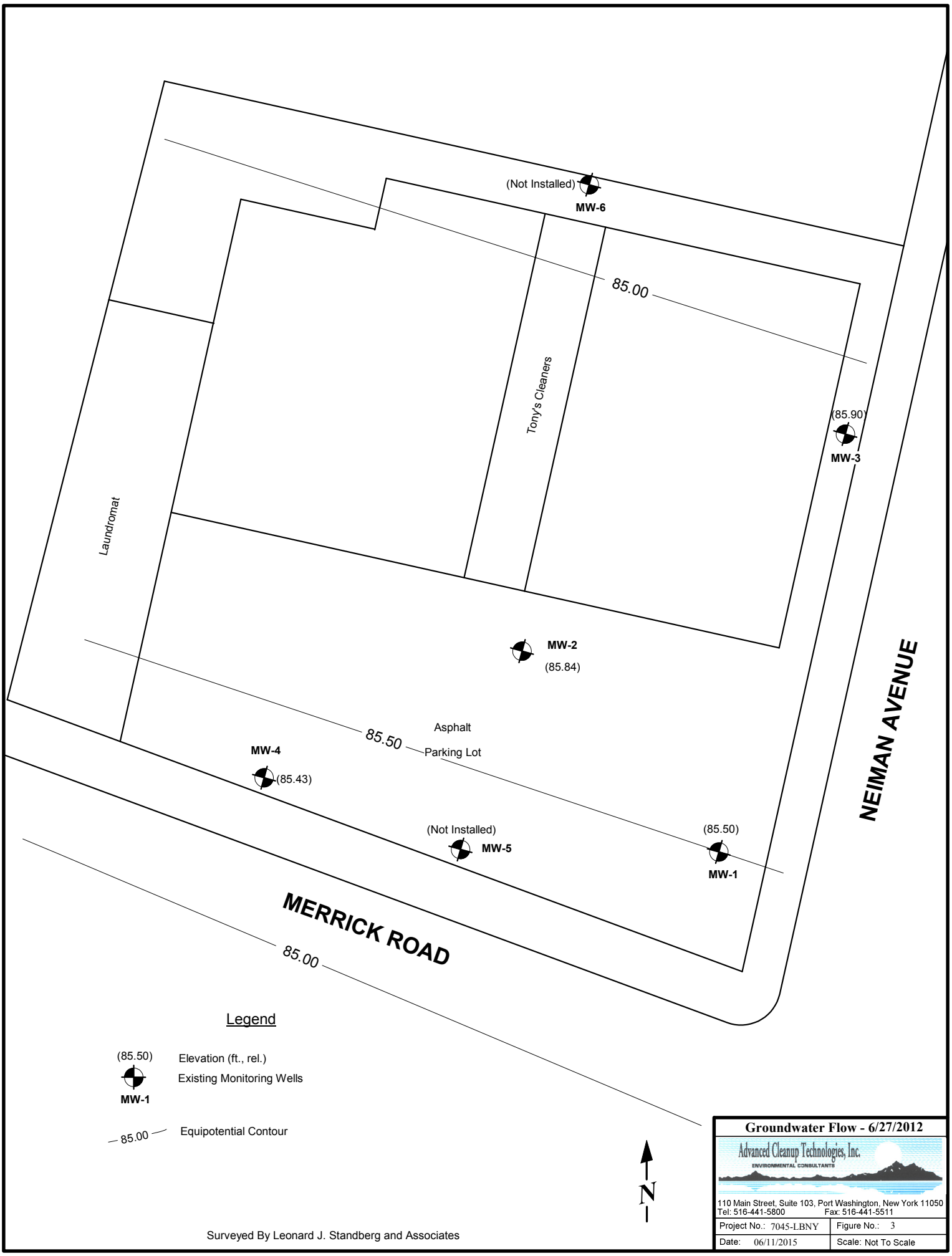
Historical Groundwater Flow Diagrams

Sample Location Map

Brockerhoff Environmental Services LLC
Environmental Consulting and Remediation

37 Belvidere Avenue, Washington, NJ

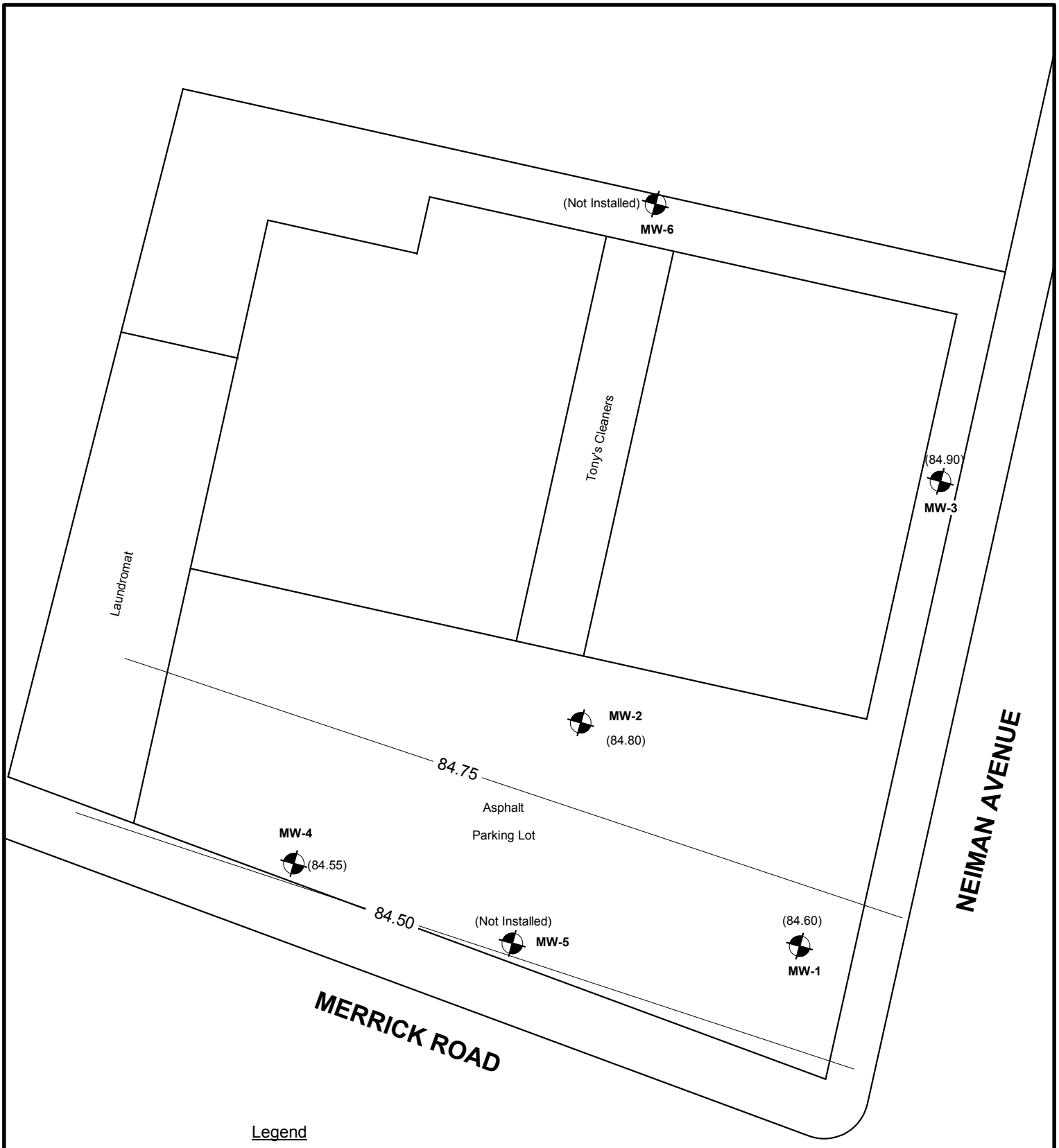




Groundwater Flow - 6/27/2012

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS
110 Main Street, Suite 103, Port Washington, New York 11050
Tel: 516-441-5800 Fax: 516-441-5511

Project No.: 7045-LBNY	Figure No.: 3
Date: 06/11/2015	Scale: Not To Scale



Legend

(84.60) MW-1 — Elevation (ft., rel.) / Existing Monitoring Wells

84.50 — Equipotential Contour

N

Surveyed By Leonard J. Standberg and Associates

Groundwater Flow - 7/13/2012

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS
110 Main Street, Suite 103, Port Washington, New York 11050
Tel: 516-441-5800 Fax: 516-441-5511

Project No.: 7045-LBNY	Figure No.: 3
Date: 06/11/2015	Scale: Not To Scale

Appendix B

Waste Manifests

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CESQG
2. Page 1 of: 1
3. Emergency Response Phone: (908) 354-0210
4. Manifest Tracking Number: 010914196 JJK

GENERATOR

5. Generator's Name and Mailing Address: NULIFE REALTY C/O Advanced C
100 MAIN STREET SUITE 103
PORT WASHINGTON, NY 11050
Generator's Phone: (516) 441-5800

Generator's Site Address (if different than mailing address)
429 MERRICK ROAD
LYNBROOK NY 11563

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
RQ	NA3077 HAZARDOUS WASTE, SOLID, N.O.S. (F002) 9 PG III (RQ F002 10#) ERG# 171	X 2	DM	220	P	F002	B	
RQ	NA3077 HAZARDOUS WASTE, SOLID, N.O.S. (F002) 9 PG III (RQ F002 10#) ERG# 171	X 1	DM	300	P	F002	T	
	3.							
	4.							

14. Special Handling Instructions and Additional Information: 968943/968626/171897/317913 (1)R02-2 CARBON (2)STNL-3 SOIL AND GROUNDWATER
3x55

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Marina Shapiro, Authorized rep Nulife Realty
Signature: Marina, Authorized rep NJ life Realty
Month: 01 Day: 30 Year: 15

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: RICHARD JACKSON
Signature: Richard Jackson
Month: 01 Day: 30 Year: 15

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Richard Jackson
Signature:
Month: 01 Day: 30 Year: 15

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Appendix C

Soil Boring Logs

SOIL BORING LOG

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

960 S. Broadway Hicksville New York

Project No.:	7045-LBNY	**SOIL BORING No.:**	SB-5
Location:	429 Merrick Road, Liberty Plaza		10 AM
Drilling Method:	Direct Push driling technology	**DATE:**	10/9/14
Drilling Rig:	AMS 9600 Power Probe	**WEATHER:**	Sunny 70's
Geologist:	SW/TY		
Depth to Groundwater:	11.5'ft (measured) 12.4'ft (via liners)	**Completed depth:**	15'ft

Depth (ft. bgs)	Depth (ft)	Recovery (ft)	PID (ppm)	USCS Symbol	Description	Environmental Description
	0-5	3.5'ft recovery	—		0.0-0.5'ft - asphalt/concrete top hole fill.	
1			X		0.5-2.5'ft - light brown to medium brown, fine to medium grained sands. conform (clay) semi compacting. damp, but not wet.	
			16			
2			+30	0		
			19		2.5'-3.2'ft - light browns, light medium browns. Fine grained sands. conform (moderate clay) semi compact w/ silts. scattered pebbles. DRY	
3			10.5			
			13.8			
4			26.1		3.2-5.0'ft - light brown to light yellow brown, tans, medium sands. Orange tint. rustic. qtz sands - non conform / non compact (DRY)	sample #1 PID 4.5'ft
			40.3	* (sample)		
5			17.4			
	5-10	3.1'ft recovery			0.0-0.8- top hole fill from (0-5'ft) asphalt dust within (damp, not wet)	
6			29.4			
			8.8		0.8'ft - 2.2'ft - light brown to light yellow brown, medium sands. tans, rustic oranges (3.2-5.0'ft sample) - qtz - non conform/ no compact DRY	
7			22.7			
			5.1			
8			14.0		2.2'-3.0'ft - orange brown to light orange rusty/dusky browns. fine to medium qtz sands - semi conform, non compact. DRY	
			13.5			
9			8.1		3.0-4.5'ft - light yellow to pale yellow sands black sand stringers (zebra stripes) non conform/non compact (DRY)	
			11.1			
10			12.7			

4.5'-5.0'ft - light brown to dusky orange medium grained qtz sands. no pebbles at all. non conform/non compact (DRY)

FIELD
SOIL BORING LOG

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

ect, Port ew York

Project No.: 7045-LBNY

LOCATION: Liberty Plaza, Lynbrook NY

BORING NUMBER: SB-5

DATE:

Depth (ft. bgs)	Depth (ft)	Recovery (ft)	PID (ppm)	USCS Symbol	Description	Environmental Description
11	10-15	4.5'Ft recovery	11.1		10.0 - 11.5'Ft - samples (0-5 + 5-10') typ fill asphalt dust + composite of hp hole samples	(Sample #2 11.5-12.4)
12			9.4			
13			5.2		11.5'Ft - 12.4'Ft - light browns, medium browns, tans + some yellow qtz sands. fine to medium grained. conform (very damp) - compact (med saturation) water interface	12.4'Ft water boundary interface
14			16			
15			12.7		12.4' - 15.0'Ft - (SATURATED) tan to light yellow dusky brown. resembles wet beach sand saturated w/ water. compact/conform (wet)	
16	15-20		10.4		END OF BORING	
17			19.4		samples: 4-5'Ft (PID)	
18					11-12'Ft (saturation interface)	
19					* PID readings inconsistent (?) no odors!! *	
20						
21	20-25					
22						
23						
24						
25						

FIELD
SOIL BORING LOG

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

960 S. Broadway
Hicksville NY

JOB No.: 7045-LBNY
BORING NUMBER: SB-6
LOCATION: Liberty Plaza, Lynbrook NY
Tony Cleaner (back alley)
DATE: 10/16/14
WEATHER: Sunny 60's
Drilling Method: Direct Push driling technology- PORTABLE
16'

Depth (ft. bgs)	Depth (ft)	Recovery (ft)	PID (ppm)	USCS Symbol	Description	Environmental Description
1	0-4	3.2	0		0-8" Concrete 8"-3' Orange-brown silt V. fine sand, slightly moist	No Odor
2			0			
3			0		3'-4' Orange-brown V. fine sand, dry	
4			0			
5	4-8	3.4	0		4'-16' Orange-brown-tan V. fine - fine sand Dry Few small pebbles	No Odor
6			0			
7			0			
8			0			
9	8-12	4.0	24		Wet at ~ 11'	
10			16			
11			57		Sample @ 10-11' 12:00	
12			22			
			333			
			3000			
			↓			
			3000			

FIELD
SOIL BORING LOG

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

960 S. Broadway
Hicksville NY

JOB No.: 7045-LBNY

LOCATION: _____

Drilling Method: Direct Push driling technology-

BORING NUMBER: SB-6

DATE: 10/10/14

WEATHER: _____

Depth (ft. bgs)	Depth (ft)	Recovery (ft)	PID (ppm)	USCS Symbol	Description	Environmental Description
12					Same wet Stuck shoe - had to bang sample into a bag Composite PID = 114	
13						
14	12-16	4.0	114			
15						
16						
17						
18	16-20					
19						
20						

Appendix D

Well Construction Records

Brockerhoff Environmental Services LLC

37 Belvidere Avenue, Washington, NJ 07882

MONITORING WELL LOG

BORING #: **MW-1**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**NuLife Realty LLC**	DRILLING CO.:	**Hawk Drilling, Inc.**
SITE LOCATION:	**429-441 Merrick Rd., Lynbrook, NY**	DRILLER:	**Ricky**
JOB NO.:	**N/A**	RIG TYPE:	**HSA**
LOGGED BY:	**JMB/JLJ**	METHOD OF DRILLING:	**HSA**
WELL PERMIT #:		SAMPLING METHODS:	**2' split spoon**
DATES DRILLED:	**2/9/12**	HAMMER WT./DROP:	**N/A**

▽ Water level during drilling ▼ Water level in completed well

DEPTH (ft)	SOIL SYMBOLS	SOIL DESCRIPTION	RECOVERY (ft)	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0–18		Asphalt and subbase; tan Cmf Sand; dark brown Cmf Sand; light brown Cmf Sand	2; 2		0; 0; 0; 0; 0	Flushmount completion; Concrete; 2" Sch. 40 PVC Blank; Bentonite seal; #1 Sand pack; 2" Sch. 40 PVC 10-slot Screen; End Cap	

NOTES: No obvious odors or signs of staining observed throughout.

Brockerhoff Environmental Services LLC

37 Belvidere Avenue, Washington, NJ 07882

MONITORING WELL LOG

BORING #: **MW-2**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**NuLife Realty LLC**	DRILLING CO.:	**Hawk Drilling, Inc.**
SITE LOCATION:	**429-441 Merrick Rd., Lynbrook, NY**	DRILLER:	**Ricky**
JOB NO.:	**N/A**	RIG TYPE:	**HSA**
LOGGED BY:	**JMB/JLJ**	METHOD OF DRILLING:	**HSA**
WELL PERMIT #:		SAMPLING METHODS:	**2' split spoon**
DATES DRILLED:	**2/9/12**	HAMMER WT./DROP:	**N/A**

Water level during drilling ▽ Water level in completed well ▼

DEPTH (ft)	SOIL SYMBOLS	SOIL DESCRIPTION	RECOVERY (ft)	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0–18		Asphalt and subbase; tan Cmf Sand; dark brown Cmf Sand; light brown Cmf Sand	6–7: 2 7–8: 2		0 0 0 0 0	Flushmount completion; Concrete; 2" Sch. 40 PVC Blank; Bentonite seal; #1 Sand pack; 2" Sch. 40 PVC 10-slot Screen; End Cap	

NOTES: No obvious odors or signs of staining observed throughout.

Brockerhoff Environmental Services LLC

37 Belvidere Avenue, Washington, NJ 07882

MONITORING WELL LOG

BORING #: **MW-3**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**NuLife Realty LLC**	DRILLING CO.:	**Hawk Drilling, Inc.**
SITE LOCATION:	**429-441 Merrick Rd., Lynbrook, NY**	DRILLER:	**Ricky**
JOB NO.:	**N/A**	RIG TYPE:	**HSA**
LOGGED BY:	**JMB/JLJ**	METHOD OF DRILLING:	**HSA**
WELL PERMIT #:		SAMPLING METHODS:	**2' split spoon**
DATES DRILLED:	**2/10/12**	HAMMER WT./DROP:	**N/A**

Water level during drilling Water level in completed well

DEPTH (ft)	SOIL SYMBOLS	SOIL DESCRIPTION	RECOVERY (ft)	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0–18		Asphalt and subbase; tan Cmf Sand; dark brown Cmf Sand; light brown Cmf Sand	2; 2		0; 0; 0; 0; 0	Flushmount completion; Concrete; 2" Sch. 40 PVC Blank; Bentonite seal; #1 Sand pack; 2" Sch. 40 PVC 10-slot Screen; End Cap	

NOTES: No obvious odors or signs of staining observed throughout.

WELL CONSTRUCTION LOG

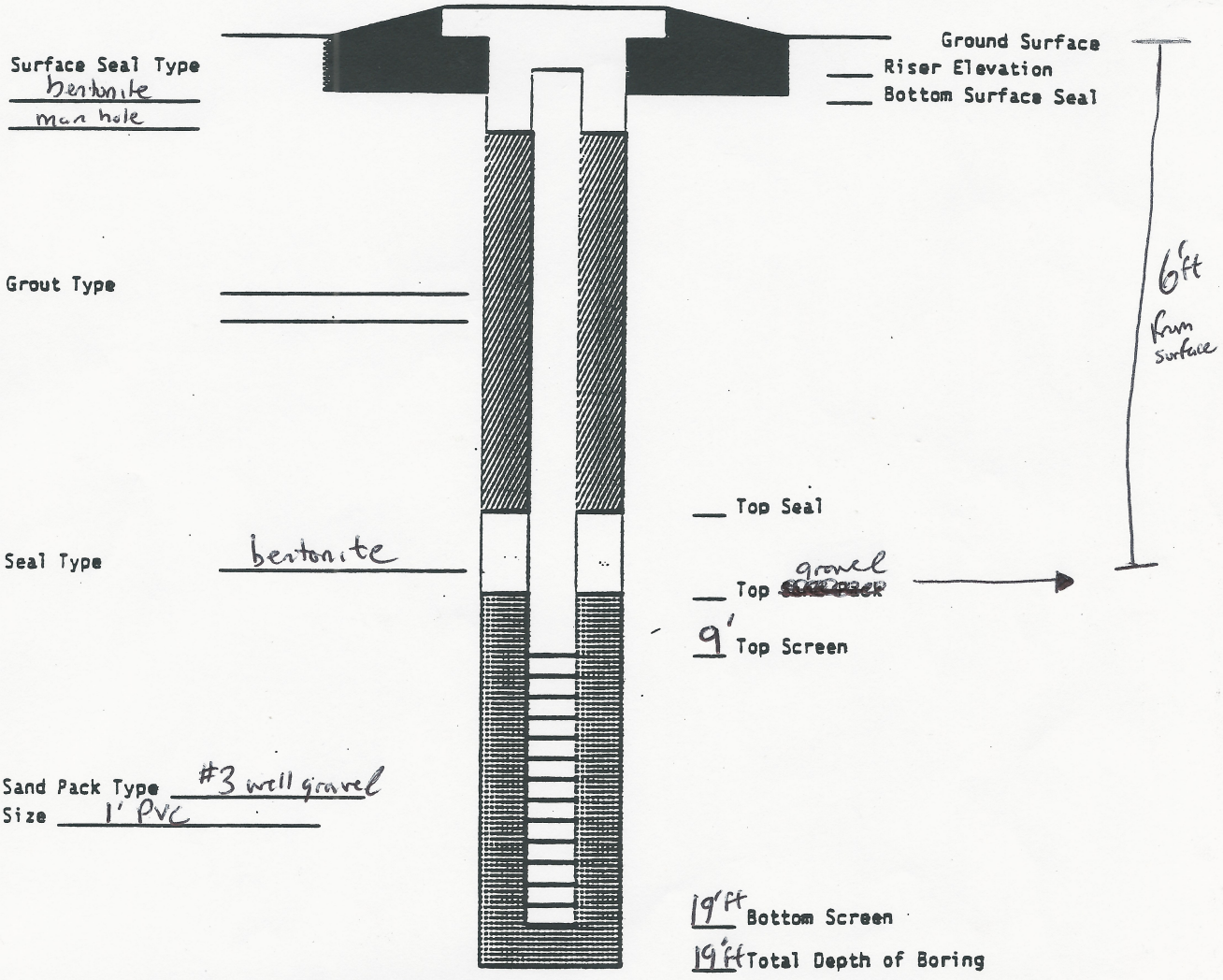
SITE 7045-LBNY JOB NO. _____ WELL NO. MW-5

* TOTAL DEPTH 19'ft SURFACE ELEV. _____ TOP RISER ELEV. _____

WATER LEVELS (DEPTH, DATE, TIME) _____ DATE INSTALLED _____

* RISER DIA ___ MATERIAL PVC LENGTH 9'ft
* SCREEN DIA ___ MATERIAL PVC LENGTH 10'ft SLOT SIZE 1' PVC

SCHEMATIC



WELL CONSTRUCTION LOG

SITE 7045-LBNY JOB NO. _____ WELL NO. MW-6

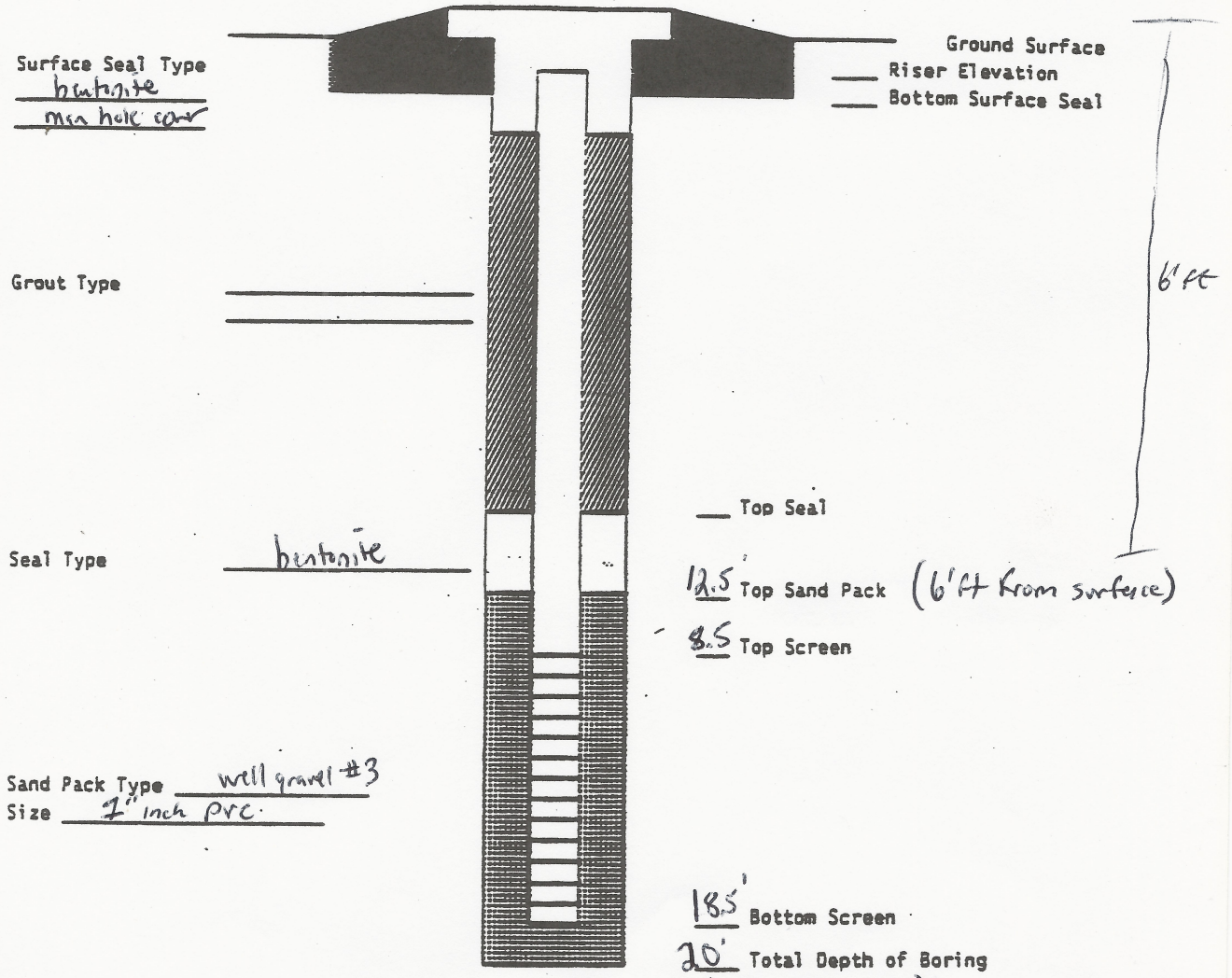
TOTAL DEPTH 18.5' SURFACE ELEV. _____ TOP RISER ELEV. _____

WATER LEVELS (DEPTH, DATE, TIME) _____ DATE INSTALLED 10/10/14

RISER DIA ___ MATERIAL PVC LENGTH 8.5 ft

SCREEN DIA ___ MATERIAL PVC LENGTH 10' SLOT SIZE _____

SCHEMATIC



Appendix E

Laboratory Reports

Technical Report

prepared for:

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Theresa Burkard

Report Date: 09/16/2014
Client Project ID: 7045-LBNY
York Project (SDG) No.: 14I0525

Report Date: 09/16/2014
Client Project ID: 7045-LBNY
York Project (SDG) No.: 14I0525

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Theresa Burkard

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 September 11, 2014 and listed below. The project was identified as your project: **7045-LBNY**.

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
14I0525-01	MW-4	Water	09/10/2014	09/11/2014
14I0525-02	MW-2	Water	09/10/2014	09/11/2014
14I0525-03	MW-1	Water	09/10/2014	09/11/2014
14I0525-04	MW-3	Water	09/10/2014	09/11/2014

General Notes for York Project (SDG) No.: 14I0525

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

Approved By: 

Date: 09/16/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW-4 **York Sample ID:** 14I0525-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0525	7045-LBNY	Water	September 10, 2014 8:45 am	09/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
527-53-7	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
78-93-3	2-Butanone	ND		ug/L	0.50	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS

Sample Information

Client Sample ID: **MW-4** **York Sample ID:** **14I0525-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0525	7045-LBNY	Water	September 10, 2014 8:45 am	09/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
156-59-2	**cis-1,2-Dichloroethylene**	**2.9**		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
127-18-4	**Tetrachloroethylene**	**33**		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
79-01-6	**Trichloroethylene**	**5.5**		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/16/2014 08:37	09/16/2014 12:48	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*98.0 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.7 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*94.4 %*	*88-114*

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 14I0525-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0525	7045-LBNY	Water	September 10, 2014 9:54 am	09/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
527-53-7	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
78-93-3	2-Butanone	ND		ug/L	0.50	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS

Sample Information

Client Sample ID: **MW-2** **York Sample ID:** **14I0525-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0525	7045-LBNY	Water	September 10, 2014 9:54 am	09/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
127-18-4	**Tetrachloroethylene**	**6.0**		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
79-01-6	**Trichloroethylene**	**0.58**		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:20	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.9 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.3 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*94.0 %*	*88-114*

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 14I0525-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0525	7045-LBNY	Water	September 10, 2014 11:09 am	09/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
527-53-7	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
78-93-3	2-Butanone	ND		ug/L	0.50	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **14I0525-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0525	7045-LBNY	Water	September 10, 2014 11:09 am	09/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
127-18-4	**Tetrachloroethylene**	**2.8**		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/16/2014 08:37	09/16/2014 13:52	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*98.7 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.5 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*93.7 %*	*88-114*

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 14I0525-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0525	7045-LBNY	Water	September 10, 2014 1:00 pm	09/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
527-53-7	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
78-93-3	2-Butanone	ND		ug/L	0.50	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS

Sample Information

Client Sample ID: **MW-3** **York Sample ID:** **14I0525-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14I0525	7045-LBNY	Water	September 10, 2014 1:00 pm	09/11/2014

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
127-18-4	**Tetrachloroethylene**	**1.0**		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/16/2014 08:37	09/16/2014 14:25	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*98.4 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.0 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*95.2 %*	*88-114*

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14I0525-01	MW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0525-02	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0525-03	MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0525-04	MW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/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. Data users should consider anything <10x the blank value as artifact.

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*	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.

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. 47-052S

YOUR Information

Company: Advanced Cleanup Tech
Address: 110 Main Street Port Washington, NJ 1050
Phone No. 516-441-5800
Contact Person: Theresa Bullard
E-Mail Address: theresab@actenviro.com

Report To:

Company: same
Address:
Phone No. same
Attention:
E-Mail Address: same

Invoice To:

Company: same
Address: same
Phone No. same
Attention: Karen Friedman
E-Mail Address: karenf@actenviro.com

YOUR Project ID

7045-LBNY

Purchase Order No.

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** ___

Compare to the following Regs. (please fill in):

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)

Tim Young
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	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)
MW-4	9/10/14 845AM	GW	8260 Full VOC's	3 vials
MW-2	9/10/14 954	GW	"	3 vials
MW-1	9/10/14 1109	GW	"	3 vials
MW-3	9/10/14 1306	GW	"	3 vials

Comments

Preservation Check those Applicable
4°C ___ Frozen ___ HCl X MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ Other 950AM
ZnAc ___ Ascorbic Acid 950

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Tim Young	9/11/14 950	K Burke	9-11-14
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		Grace	9-11-14 1735

Temperature on Receipt 3.2 °C

Technical Report

prepared for:

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Theresa Burkard

Report Date: 10/21/2014
Client Project ID: 7045-LBNY
York Project (SDG) No.: 14J0635

Report Date: 10/21/2014
Client Project ID: 7045-LBNY
York Project (SDG) No.: 14J0635

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Theresa Burkard

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 October 14, 2014 and listed below. The project was identified as your project: **7045-LBNY**.

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
14J0635-01	SB-6 (10-11')	Soil	10/10/2014	10/14/2014
14J0635-02	SB-5 (4-5')	Soil	10/09/2014	10/14/2014
14J0635-03	SB-5 (11-12')	Soil	10/09/2014	10/14/2014
14J0635-04	MW-5 (temporary)	Water	10/09/2014	10/14/2014

General Notes for York Project (SDG) No.: 14J0635

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

Approved By: 

Date: 10/21/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SB-6 (10-11')

York Sample ID: 14J0635-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0635	7045-LBNY	Soil	October 10, 2014 12:00 pm	10/14/2014

Volatile Organics, NJDEP/TCL/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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	54	110	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
67-64-1	Acetone	ND		ug/kg dry	5.4	11	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
107-02-8	Acrolein	ND		ug/kg dry	5.4	11	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS

Sample Information

Client Sample ID: SB-6 (10-11')

York Sample ID: 14J0635-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0635	7045-LBNY	Soil	October 10, 2014 12:00 pm	10/14/2014

Volatile Organics, NJDEP/TCL/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
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.4	11	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
100-42-5	Styrene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.1	16	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:00	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*122 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.3 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.4 %*	*85-120*

Sample Information

Client Sample ID: SB-6 (10-11') **York Sample ID:** 14J0635-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0635	7045-LBNY	Soil	October 10, 2014 12:00 pm	10/14/2014

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.8		%	0.100	0.100	1	SM 2540G	10/18/2014 11:06	10/20/2014 17:59	KK

Sample Information

Client Sample ID: SB-5 (4-5') **York Sample ID:** 14J0635-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0635	7045-LBNY	Soil	October 9, 2014 11:00 am	10/14/2014

Volatile Organics, NJDEP/TCL/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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	49	99	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
67-64-1	Acetone	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
107-02-8	Acrolein	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS

Sample Information

Client Sample ID: SB-5 (4-5')

York Sample ID: 14J0635-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0635	7045-LBNY	Soil	October 9, 2014 11:00 am	10/14/2014

Volatile Organics, NJDEP/TCL/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
71-43-2	Benzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
75-25-2	Bromoform	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
67-66-3	Chloroform	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.9	9.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
100-42-5	Styrene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
108-88-3	Toluene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	4.9	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.4	15	1	EPA 8260C	10/20/2014 07:47	10/20/2014 17:35	SS

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: SB-5 (4-5') **York Sample ID:** 14J0635-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0635	7045-LBNY	Soil	October 9, 2014 11:00 am	10/14/2014

Volatile Organics, NJDEP/TCL/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
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*116 %*			*77-125*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.0 %*			*76-130*						
2037-26-5	*Surrogate: Toluene-d8*	*102 %*			*85-120*						

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**99.9**		%	0.100	0.100	1	SM 2540G	10/18/2014 11:06	10/20/2014 17:59	KK

Sample Information

Client Sample ID: SB-5 (11-12') **York Sample ID:** 14J0635-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0635	7045-LBNY	Soil	October 9, 2014 11:10 am	10/14/2014

Volatile Organics, NJDEP/TCL/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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS

Sample Information

Client Sample ID: SB-5 (11-12')

York Sample ID: 14J0635-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0635	7045-LBNY	Soil	October 9, 2014 11:10 am	10/14/2014

Volatile Organics, NJDEP/TCL/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
123-91-1	1,4-Dioxane	ND		ug/kg dry	52	100	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
67-64-1	Acetone	ND		ug/kg dry	5.2	10	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
107-02-8	Acrolein	ND		ug/kg dry	5.2	10	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
71-43-2	Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.2	10	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.2	10	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
100-42-5	Styrene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
108-88-3	Toluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS

Sample Information

Client Sample ID: SB-5 (11-12') **York Sample ID:** 14J0635-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0635	7045-LBNY	Soil	October 9, 2014 11:10 am	10/14/2014

Volatile Organics, NJDEP/TCL/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
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.8	16	1	EPA 8260C	10/20/2014 07:47	10/20/2014 18:11	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*77-125*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.2 %*	*76-130*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*85-120*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.4**		%	0.100	0.100	1	SM 2540G	10/18/2014 11:06	10/20/2014 17:59	KK

Sample Information

Client Sample ID: MW-5 (temporary) **York Sample ID:** 14J0635-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0635	7045-LBNY	Water	October 9, 2014 12:30 pm	10/14/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS

Sample Information

Client Sample ID: MW-5 (temporary) **York Sample ID:** 14J0635-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0635	7045-LBNY	Water	October 9, 2014 12:30 pm	10/14/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
156-59-2	**cis-1,2-Dichloroethylene**	**0.84**		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS

Sample Information

Client Sample ID: **MW-5 (temporary)** **York Sample ID:** **14J0635-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0635	7045-LBNY	Water	October 9, 2014 12:30 pm	10/14/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
127-18-4	**Tetrachloroethylene**	**5.2**		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
79-01-6	**Trichloroethylene**	**1.3**		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	10/21/2014 07:49	10/21/2014 11:24	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*105 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*94.2 %*	*81-117*

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14J0635-01	SB-6 (10-11')	40mL Vial with Stir Bar-Cool 4° C
14J0635-02	SB-5 (4-5')	40mL Vial with Stir Bar-Cool 4° C
14J0635-03	SB-5 (11-12')	40mL Vial with Stir Bar-Cool 4° C
14J0635-04	MW-5 (temporary)	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/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. Data users should consider anything <10x the blank value as artifact.

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*	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.

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. 14J0635

YOUR Information

Company: Advanced Cleanup Tech
Address: 110 Main Street
Port Washington, NY
Phone No. 516-441-5800
Contact Person: Tim Young
E-Mail Address: timy@actenvirons.com

Report To:

Company: Same
Address:
Phone No.
Attention: Theresa Burkett
E-Mail Address: theresab@actenvirons.com

Invoice To:

Company: Same
Address:
Phone No.
Attention: Karen Friedman
E-Mail Address: KarenF@actenvirons.com

YOUR Project ID

7045-LBNY

Purchase Order No.

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** ___

Compare to the following Regs. (please fill in):

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.

Tim Young
Samples Collected/Authorized By (Signature)

Tim Young
Name (printed)

Matrix Codes

S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	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 MetCN	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)
SB-6 (10-11')	10/10/14 1200	S	VOC's	VOC Kit
SB-5 (4-5')	10/9/14 1100	S	VOC's	VOC kit
SB-5 (11-12')	" 1110	S	VOC's	VOC kit
MW-5 (temporary)	" 1230	GW	VOC's	3 vials

Comments

Preservation Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C___ Frozen___ HCl___ MeOH___ HNO_3___ H_2SO_4___ NaOH___ 92° tg
ZnAc___ Ascorbic Acid___ Other

	10/14/14 920		
Samples Relinquished By	Date/Time	Samples Received By	Date/Time
		Grace	10-14-14 1700
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time

Temperature on Receipt 3.6°C

Technical Report

prepared for:

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Theresa Burkard

Report Date: 10/21/2014
Client Project ID: 7045-LBNY
York Project (SDG) No.: 14J0554

Report Date: 10/21/2014
Client Project ID: 7045-LBNY
York Project (SDG) No.: 14J0554

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Theresa Burkard

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 October 14, 2014 and listed below. The project was identified as your project: **7045-LBNY**.

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
14J0554-01	SV-1	Soil Vapor	10/10/2014	10/14/2014
14J0554-02	SV-2	Soil Vapor	10/10/2014	10/14/2014
14J0554-03	SV-5	Soil Vapor	10/10/2014	10/14/2014

General Notes for York Project (SDG) No.: 14J0554

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

Approved By: 

Date: 10/21/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SV-1 **York Sample ID:** 14J0554-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0554	7045-LBNY	Soil Vapor	October 10, 2014 3:00 pm	10/14/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.064	0.064	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.35	0.35	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
79-01-6	**Trichloroethylene**	**1.0**		ug/m³	0.13	0.13	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.45	0.45	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
108-88-3	**Toluene**	**140**		ug/m³	0.38	0.38	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.29	0.29	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
127-18-4	**Tetrachloroethylene**	**14**		ug/m³	0.17	0.17	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
100-42-5	Styrene	ND		ug/m³	0.43	0.43	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
115-07-1	* Propylene	ND		ug/m³	0.17	0.17	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
622-96-8	*** p-Ethyltoluene**	**27**		ug/m³	0.49	0.49	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
179601-23-1	**p- & m- Xylenes**	**120**		ug/m³	0.87	0.87	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
95-47-6	**o-Xylene**	**31**		ug/m³	0.43	0.43	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
110-54-3	**n-Hexane**	**17**		ug/m³	0.35	0.35	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
142-82-5	**n-Heptane**	**11**		ug/m³	0.41	0.41	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
75-09-2	**Methylene chloride**	**1.6**		ug/m³	0.69	0.69	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.36	0.36	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.41	0.41	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
67-63-0	**Isopropanol**	**0.93**		ug/m³	0.49	0.49	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.1	1.1	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
100-41-4	**Ethyl Benzene**	**27**		ug/m³	0.43	0.43	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	0.72	0.72	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
110-82-7	**Cyclohexane**	**1.8**		ug/m³	0.34	0.34	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.45	0.45	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
156-59-2	**cis-1,2-Dichloroethylene**	**2.4**		ug/m³	0.40	0.40	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
74-87-3	**Chloromethane**	**1.3**		ug/m³	0.21	0.21	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
67-66-3	**Chloroform**	**1.0**		ug/m³	0.49	0.49	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
75-00-3	Chloroethane	ND		ug/m³	0.26	0.26	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
56-23-5	**Carbon tetrachloride**	**0.38**		ug/m³	0.16	0.16	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
75-15-0	**Carbon disulfide**	**3.6**		ug/m³	0.31	0.31	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
74-83-9	Bromomethane	ND		ug/m³	0.39	0.39	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
75-25-2	Bromoform	ND		ug/m³	1.0	1.0	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	0.62	0.62	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.52	0.52	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
71-43-2	**Benzene**	**9.3**		ug/m³	0.32	0.32	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
67-64-1	**Acetone**	**77**		ug/m³	0.24	0.24	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
591-78-6	*** 2-Hexanone**	**4.3**		ug/m³	0.82	0.82	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
78-93-3	**2-Butanone**	**5.2**		ug/m³	0.29	0.29	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD

Sample Information

Client Sample ID: SV-1 **York Sample ID:** 14J0554-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0554	7045-LBNY	Soil Vapor	October 10, 2014 3:00 pm	10/14/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m³	0.36	0.36	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.60	0.60	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.60	0.60	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	0.43	0.43	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
108-67-8	**1,3,5-Trimethylbenzene**	**6.0**		ug/m³	0.49	0.49	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.70	0.70	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.46	0.46	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.40	0.40	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.60	0.60	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**25**		ug/m³	0.49	0.49	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.74	0.74	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.40	0.40	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.40	0.40	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.6**		ug/m³	0.56	0.56	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.77	0.77	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.69	0.69	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.55	0.55	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
75-71-8	**Dichlorodifluoromethane**	**2.4**		ug/m³	0.49	0.49	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.77	0.77	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	0.80	0.80	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.41	0.41	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.46	0.46	1	EPA TO-15	10/20/2014 11:43	10/21/2014 08:18	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*72-118*

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 14J0554-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0554	7045-LBNY	Soil Vapor	October 10, 2014 3:00 pm	10/14/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	0.095	0.095	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
108-05-4	Vinyl acetate	ND		ug/m³	0.53	0.53	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 14J0554-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0554	7045-LBNY	Soil Vapor	October 10, 2014 3:00 pm	10/14/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/m³	0.20	0.20	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.68	0.68	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.59	0.59	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
108-88-3	**Toluene**	**25**		ug/m³	0.56	0.56	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.44	0.44	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
127-18-4	**Tetrachloroethylene**	**3.7**		ug/m³	0.25	0.25	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
100-42-5	Styrene	ND		ug/m³	0.64	0.64	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
115-07-1	* Propylene	ND		ug/m³	0.26	0.26	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
622-96-8	*** p-Ethyltoluene**	**13**		ug/m³	0.73	0.73	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
179601-23-1	**p- & m- Xylenes**	**41**		ug/m³	1.3	1.3	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
95-47-6	**o-Xylene**	**11**		ug/m³	0.65	0.65	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
110-54-3	**n-Hexane**	**3.6**		ug/m³	0.53	0.53	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
142-82-5	**n-Heptane**	**2.4**		ug/m³	0.61	0.61	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
75-09-2	**Methylene chloride**	**1.4**		ug/m³	1.0	1.0	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.54	0.54	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.61	0.61	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
67-63-0	**Isopropanol**	**3.7**		ug/m³	0.73	0.73	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.6	1.6	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
100-41-4	**Ethyl Benzene**	**8.6**		ug/m³	0.65	0.65	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	1.1	1.1	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
110-82-7	**Cyclohexane**	**0.67**		ug/m³	0.51	0.51	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.68	0.68	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.59	0.59	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
74-87-3	**Chloromethane**	**1.6**		ug/m³	0.31	0.31	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
67-66-3	Chloroform	ND		ug/m³	0.73	0.73	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
75-00-3	Chloroethane	ND		ug/m³	0.39	0.39	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
56-23-5	**Carbon tetrachloride**	**0.56**		ug/m³	0.23	0.23	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
75-15-0	Carbon disulfide	ND		ug/m³	0.46	0.46	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
74-83-9	Bromomethane	ND		ug/m³	0.58	0.58	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
75-25-2	Bromoform	ND		ug/m³	1.5	1.5	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	0.93	0.93	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
100-44-7	Benzyl chloride	ND		ug/m³	0.77	0.77	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
71-43-2	**Benzene**	**2.1**		ug/m³	0.48	0.48	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
67-64-1	**Acetone**	**39**		ug/m³	0.35	0.35	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	1.2	1.2	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
78-93-3	**2-Butanone**	**5.3**		ug/m³	0.44	0.44	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	0.54	0.54	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.90	0.90	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.90	0.90	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 14J0554-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0554	7045-LBNY	Soil Vapor	October 10, 2014 3:00 pm	10/14/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-99-0	1,3-Butadiene	ND		ug/m³	0.65	0.65	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
108-67-8	**1,3,5-Trimethylbenzene**	**2.9**		ug/m³	0.73	0.73	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.0	1.0	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.69	0.69	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.60	0.60	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.90	0.90	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**15**		ug/m³	0.73	0.73	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.1	1.1	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.59	0.59	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.60	0.60	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.7**		ug/m³	0.84	0.84	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.81	0.81	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.1	1.1	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.0	1.0	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.81	0.81	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
75-71-8	**Dichlorodifluoromethane**	**2.4**		ug/m³	0.74	0.74	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.1	1.1	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	1.2	1.2	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.61	0.61	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD
108-90-7	Chlorobenzene	ND		ug/m³	0.69	0.69	1.493	EPA TO-15	10/20/2014 11:43	10/21/2014 09:21	ALD

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

Sample Information

Client Sample ID: SV-5 **York Sample ID:** 14J0554-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0554	7045-LBNY	Soil Vapor	October 10, 2014 3:00 pm	10/14/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	1.3	1.3	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
108-05-4	Vinyl acetate	ND		ug/m³	7.0	7.0	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
79-01-6	Trichloroethylene	ND		ug/m³	2.7	2.7	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	9.0	9.0	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	7.8	7.8	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD

Sample Information

Client Sample ID: SV-5 **York Sample ID:** 14J0554-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0554	7045-LBNY	Soil Vapor	October 10, 2014 3:00 pm	10/14/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	**Toluene**	**160**		ug/m³	7.4	7.4	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m³	5.8	5.8	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
127-18-4	**Tetrachloroethylene**	**83**		ug/m³	3.4	3.4	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
100-42-5	Styrene	ND		ug/m³	8.4	8.4	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
115-07-1	* Propylene	ND		ug/m³	3.4	3.4	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
622-96-8	* **p-Ethyltoluene**	**25**		ug/m³	9.7	9.7	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
179601-23-1	**p- & m- Xylenes**	**120**		ug/m³	17	17	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
95-47-6	**o-Xylene**	**33**		ug/m³	8.6	8.6	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
110-54-3	**n-Hexane**	**24**		ug/m³	7.0	7.0	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
142-82-5	**n-Heptane**	**17**		ug/m³	8.1	8.1	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
75-09-2	Methylene chloride	ND		ug/m³	14	14	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	7.1	7.1	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	8.1	8.1	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
67-63-0	Isopropanol	ND		ug/m³	9.7	9.7	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m³	21	21	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
100-41-4	**Ethyl Benzene**	**32**		ug/m³	8.6	8.6	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
141-78-6	* Ethyl acetate	ND		ug/m³	14	14	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
110-82-7	Cyclohexane	ND		ug/m³	6.8	6.8	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	9.0	9.0	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	7.8	7.8	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
74-87-3	Chloromethane	ND		ug/m³	4.1	4.1	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
67-66-3	Chloroform	ND		ug/m³	9.6	9.6	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
75-00-3	Chloroethane	ND		ug/m³	5.2	5.2	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
56-23-5	Carbon tetrachloride	ND		ug/m³	3.1	3.1	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
75-15-0	Carbon disulfide	ND		ug/m³	6.2	6.2	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
74-83-9	Bromomethane	ND		ug/m³	7.7	7.7	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
75-25-2	Bromoform	ND		ug/m³	20	20	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
75-27-4	Bromodichloromethane	ND		ug/m³	12	12	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
100-44-7	Benzyl chloride	ND		ug/m³	10	10	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
71-43-2	**Benzene**	**13**		ug/m³	6.3	6.3	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
67-64-1	**Acetone**	**510**		ug/m³	4.7	4.7	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
591-78-6	* 2-Hexanone	ND		ug/m³	16	16	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
78-93-3	**2-Butanone**	**21**		ug/m³	5.8	5.8	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
123-91-1	1,4-Dioxane	ND		ug/m³	7.1	7.1	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	12	12	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	12	12	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
106-99-0	1,3-Butadiene	ND		ug/m³	8.6	8.6	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	9.7	9.7	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	14	14	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD

Sample Information

Client Sample ID: SV-5 **York Sample ID:** 14J0554-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14J0554	7045-LBNY	Soil Vapor	October 10, 2014 3:00 pm	10/14/2014

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/m³	9.1	9.1	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m³	8.0	8.0	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	12	12	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
95-63-6	**1,2,4-Trimethylbenzene**	**22**		ug/m³	9.7	9.7	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	15	15	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	7.8	7.8	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m³	8.0	8.0	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	11	11	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	11	11	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	15	15	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	14	14	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	11	11	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	9.8	9.8	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m³	15	15	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
124-48-1	Dibromochloromethane	ND		ug/m³	16	16	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
80-62-6	Methyl Methacrylate	ND		ug/m³	8.1	8.1	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD
108-90-7	Chlorobenzene	ND		ug/m³	9.1	9.1	19.76	EPA TO-15	10/20/2014 11:43	10/21/2014 03:23	ALD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*72-118*

Notes and Definitions

QL-03 This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.

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*	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.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

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. 14J0554

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: Advanced Cleanup Tech	Company: same	Company: same	7045-LBNY	RUSH - Same Day ☐	Summary Report ___
Address: 110 Main Street, Port Washington NY	Address: same	Address: same	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary ___
Phone No. 516-441-5800	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package ___
Contact Person: Tim Young	Attention: Theresa Burkard	Attention: Karen Friedman		RUSH - Three Day ☐	NY ASP A Package ___
E-Mail Address: timy@acteonvi.com	E-Mail Address: theresab@acteonvi.com	E-Mail Address: karenf@acteonvi.com	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.

Tim Young
Samples Collected/Authorized By (Signature)

Tim Young
Name (printed)

Air Matrix Codes

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

TO15 Volatiles and Other Gas Analyses

EPA TO-15 List
EPA TO-14A List
NYSDEC VI list
Tentatively Identified Compounds
NYSDEC STARS List
Air VPH
Project Specific List by TO-15
Helium
NJDEP Target List
Methane
CTDEP RCP Target List
OTHER___

Detection Limits Required

≤ 1 ug/m³ ___
NYSDEC VI Limits ___ (VI vapor intrusion)
NJDEP low level ___
Routine Survey ___
Other___

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	SamplingMedia
SV-1	10/10/14	AS	-30" Hg	-3" Hg	TO-15	6 Liter Summacanister ✓ / Tedlar Bag
SV-2	"	AS	-30" Hg	-8" Hg	"	6 Liter Summacanister ✓ / Tedlar Bag
SV-5	"	AS	-30" Hg	-10" Hg	"	6 Liter Summacanister ✓ / Tedlar Bag
						6 Liter Summacanister ___ / Tedlar Bag
						6 Liter Summacanister ___ / Tedlar Bag
						6 Liter Summacanister ___ / Tedlar Bag
						6 Liter Summacanister ___ / Tedlar Bag
						6 Liter Summacanister ___ / Tedlar Bag
						6 Liter Summacanister ___ / Tedlar Bag
						6 Liter Summacanister ___ / Tedlar Bag
						6 Liter Summacanister ___ / Tedlar Bag

Comments
SV-1 (Flow Y12) - ran for only 2 hrs (down to -3" Hg)
Y25 - started way below -30" Hg (~ -40" Hg)

10/14/14 920 AM
Samples Relinquished By Date/Time

Samples Relinquished By Date/Time

10/14/14 920 AM
Samples Received By Date/Time

Grace 10-14-14 17
Samples Received in LAB by Date/Time

Technical Report

prepared for:

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Theresa Burkard

Report Date: 11/17/2014
Client Project ID: 7045-LBNY
York Project (SDG) No.: 14K0342

Report Date: 11/17/2014
Client Project ID: 7045-LBNY
York Project (SDG) No.: 14K0342

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Theresa Burkard

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 November 10, 2014 and listed below. The project was identified as your project: **7045-LBNY**.

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
14K0342-01	MW-1	Water	11/04/2014	11/10/2014
14K0342-02	MW-2	Water	11/04/2014	11/10/2014
14K0342-03	MW-3	Water	11/04/2014	11/10/2014
14K0342-04	MW-4	Water	11/04/2014	11/10/2014
14K0342-05	MW-5	Water	11/04/2014	11/10/2014
14K0342-06	MW-6	Water	11/04/2014	11/10/2014

General Notes for York Project (SDG) No.: 14K0342

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

Approved By: 

Date: 11/17/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 14K0342-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0342	7045-LBNY	Water	November 4, 2014 12:45 pm	11/10/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
67-64-1	**Acetone**	**1.3**	J	ug/L	1.0	2.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **14K0342-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0342	7045-LBNY	Water	November 4, 2014 12:45 pm	11/10/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
127-18-4	**Tetrachloroethylene**	**1.0**		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/15/2014 11:30	11/15/2014 13:37	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.6 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*81-117*

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 14K0342-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0342	7045-LBNY	Water	November 4, 2014 11:55 am	11/10/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 14K0342-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0342	7045-LBNY	Water	November 4, 2014 11:55 am	11/10/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
127-18-4	**Tetrachloroethylene**	**3.8**		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
79-01-6	**Trichloroethylene**	**0.41**	J	ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:10	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.0 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*81-117*

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 14K0342-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0342	7045-LBNY	Water	November 4, 2014 1:40 pm	11/10/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
67-66-3	**Chloroform**	**1.3**		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 14K0342-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0342	7045-LBNY	Water	November 4, 2014 1:40 pm	11/10/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
127-18-4	**Tetrachloroethylene**	**1.5**		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/15/2014 11:30	11/15/2014 14:43	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.8 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*112 %*	*81-117*

Sample Information

Client Sample ID: **MW-4** **York Sample ID:** **14K0342-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0342	7045-LBNY	Water	November 4, 2014 9:40 am	11/10/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
67-64-1	**Acetone**	**1.5**	J	ug/L	1.0	2.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
156-59-2	**cis-1,2-Dichloroethylene**	**44**		ug/L	0.40	1.0	2	EPA 8260C	11/15/2014 11:30	11/16/2014 18:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS

Sample Information

Client Sample ID: MW-4 **York Sample ID:** 14K0342-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0342	7045-LBNY	Water	November 4, 2014 9:40 am	11/10/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
127-18-4	**Tetrachloroethylene**	**63**		ug/L	0.40	1.0	2	EPA 8260C	11/15/2014 11:30	11/16/2014 18:55	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
156-60-5	**trans-1,2-Dichloroethylene**	**0.47**	J	ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
79-01-6	**Trichloroethylene**	**17**		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:17	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*81-117*

Sample Information

Client Sample ID: **MW-5** **York Sample ID:** **14K0342-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0342	7045-LBNY	Water	November 4, 2014 10:55 am	11/10/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
78-93-3	**2-Butanone**	**0.52**		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
156-59-2	**cis-1,2-Dichloroethylene**	**1.4**		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS

Sample Information

Client Sample ID: MW-5 **York Sample ID:** 14K0342-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0342	7045-LBNY	Water	November 4, 2014 10:55 am	11/10/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
127-18-4	**Tetrachloroethylene**	**30**		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
79-01-6	**Trichloroethylene**	**3.8**		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/15/2014 11:30	11/15/2014 15:50	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*81-117*

Sample Information

Client Sample ID: MW-6 **York Sample ID:** 14K0342-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0342	7045-LBNY	Water	November 4, 2014 2:35 pm	11/10/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
67-64-1	**Acetone**	**1.1**	J	ug/L	1.0	2.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS

Sample Information

Client Sample ID: **MW-6** **York Sample ID:** **14K0342-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14K0342	7045-LBNY	Water	November 4, 2014 2:35 pm	11/10/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
100-41-4	**Ethyl Benzene**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
95-47-6	**o-Xylene**	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
179601-23-1	**p- & m- Xylenes**	**0.80**	J	ug/L	0.50	1.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
127-18-4	**Tetrachloroethylene**	**0.53**		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS
1330-20-7	*** Xylenes, Total**	**1.1**	J	ug/L	0.60	1.5	1	EPA 8260C	11/15/2014 11:30	11/15/2014 16:23	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*69-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.4 %*	*79-122*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*81-117*

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14K0342-01	MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14K0342-02	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14K0342-03	MW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14K0342-04	MW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14K0342-05	MW-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14K0342-06	MW-6	40mL Clear Vial (pre-pres.) HCl; Cool to 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. Data users should consider anything <10x the blank value as artifact.

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*	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.

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. 14K0342

YOUR Information

Company: Advanced Cleanup Tech
Address: 110 Main Street, Port Washington, NY
Phone No. 516-441-5800
Contact Person: Tim Young
E-Mail Address: timy@actenvirons.com

Report To:

Company: Same
Address:
Phone No.
Attention: Theresa Barker
E-Mail Address: theresab@actenvirons.com

Invoice To:

Company: Same
Address:
Phone No.
Attention: Karen Friedman
E-Mail Address: KarenF@actenvirons.com

YOUR Project ID

7045-LBNY

Purchase Order No.

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**

Compare to the following Regs. (please fill in):

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)

Tim Young
Name (printed)

Matrix Codes	
S -	soil
Other -	specify(oil, etc.)
WW -	wastewater
GW -	groundwater
DW -	drinking water
Air-A -	ambient air
Air-SV -	soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	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)
MW-1	11/4/14 1245	GW	VOC's	3 vials
MW-2	" 1155	"	"	"
MW-3	" 1340	"	"	"
MW-4	" 940	"	"	"
MW-5	" 1055	"	"	"
MW-6	" 1435	"	"	"

Comments

Preservation Check those Applicable

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other 11AM

Special Instructions

Field Filtered ☐
Lab to Filter ☐

Tim Young — Samples Relinquished By — 11/10/14 11AM — Date/Time
Samples Relinquished By — Date/Time

K Barker — Samples Received By — 11/10/14 — Date/Time
TC Yuhl — Samples Received in LAB by — 11/10/14 1755 — Date/Time

Temperature on Receipt 4.3 °C

Appendix F

Data Usability Summary Report

Advanced Cleanup Technologies, Inc.

ENVIRONMENTAL CONSULTANTS

April 25, 2016

Soil, soil vapor and groundwater samples were collected as part of the Site Characterization of the Tony's Cleaners Site, Lynbrook, NY (Site No. 1-30-217). Analytical results from these samples were validated and reviewed by ACT for usability.

The analytical laboratory for this project was York Analytical Laboratories, Inc. (York), Stratford, CT. This laboratory is certified to conduct the laboratory analyses for this project through the National Environmental Laboratory Accreditation Conference (NELAC) and the New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP).

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical packages by ACT, ranged from 5 and 7 days for the samples. The data packages received from the laboratory were paginated, complete, and overall were of good quality.

Comments on specific quality control (QC) and other requirements are discussed in detail in the attached Data Usability Summary Report.

Paul P. Stewart, MS, QEP

110 Main Street, Suite 103, Port Washington, New York 11050 • Tel: (516) 441-5800 • Fax: (516) 441-5511
Website Address: actenvirons.com

Data Usability Summary Report

The laboratory analysis is contained in five data packages:

1. September 16, 2014 Water Data – York Analytical Laboratories, Inc. (York Project No. 14I0525) dated September 16, 2014

2. October 10, 2014 Soil and Water Data – York Analytical Laboratories, Inc. (York Project No. 14J0635) October 21, 2014

3. October 10, 2014 Soil Vapor Data – York Analytical Laboratories, Inc. (York Project No. 14J0554) October 21, 2014

4. November 4, 2014 Water Data – York Analytical Laboratories, Inc. (York Project No. 14K0342) November 17, 2014

Copies of the narratives for each data package are attached.

1. York Project No. 14I0525

Four (4) groundwater samples were received by York on September 11, 2014, analyzed for Volatile Organic Compounds (VOCs) and reported to ACT on September 16, 2014. All samples were received in proper condition for analysis with proper documentation. All required holding times were met. Examination of the raw data confirms the results in the summary tables. The correct data qualifiers were used. Samples were prepared by method EPA 5030B. Surrogate recoveries met requirements.

2. York Project No. 14J0635

Three (3) soil samples and one (1) groundwater sample were received by York on October 14, 2014, analyzed for VOCs and reported to ACT on September 21, 2014. All samples were received in proper condition for analysis with proper documentation. All required holding times were met. Examination of the raw data confirms the results in the summary tables. The correct data qualifiers were used. Soil samples were prepared by method EPA 5035A and the aqueous sample was analyzed by method EPA 5030B. Surrogate recoveries met requirements.

3. York Project No. 14J0554

Three (3) soil vapor samples were received by York on October 14, 2014, analyzed for VOCs and reported to ACT on September 21, 2014. All samples were received in proper condition for analysis with proper documentation. All required holding times were met. Examination of the raw data confirms the results in the summary tables. The correct data qualifiers were used. Samples were prepared by method EPA TO15 PREP. Surrogate recoveries met requirements.

4. York Project No. 14K0342

Six (6) groundwater samples were received by York on November 10, 2014, analyzed for VOCs and reported to ACT on November 17, 2014. All samples were received in proper condition for analysis with proper documentation. All required holding times were met. Examination of the raw data confirms the results in the summary tables. The correct data qualifiers were used. Samples were prepared by method EPA 5030B. Surrogate recoveries met requirements.