Results of
Phase II Limited Subsurface Investigation

For:

Bright Cleaners Tenant Space
Franklin Centre
7249 South 76th Street
Franklin, Milwaukee County, Illinois

September 23, 2016

Apex Project No. PECO_2016-78

Prepared for:

Phillips Edison & Company
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Cincinnati, Ohio 45249

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September 23, 2016

Mr. Dan Ward
Phillips Edison & Company
11501 Northlake Drive
Cincinnati, Ohio 45249

Re: Results of Phase II Limited Subsurface Investigation
Bright Cleaners Tenant Space, Franklin Centre
7249 South 76th Street, Franklin, Milwaukee County, Wisconsin

Dear Mr. Ward:

As you know, Phillips Edison & Company (PECO) retained Apex Companies, LLC (Apex) to perform a Phase II Limited Subsurface investigation at a dry cleaner tenant space at the Franklin Centre commercial property located at 7249 South 76th Street in Franklin, Milwaukee County, Wisconsin.

The Phase II Limited Subsurface Investigation was conducted to investigate the risk of subsurface impacts due to the presence of the current Bright Cleaners, identified in a Phase I Environmental Site Assessment conducted on Franklin Centre in August 2016.

Based on the current dry cleaning operations and the ongoing use of chlorinated solvents, Apex conducted subsurface investigation in the vicinity of the tenant space in August 2016 to assess current environmental conditions. This work included a geophysical survey; and the collection/analysis of soil, groundwater and sub-slab soil gas samples.

Analysis of soil and groundwater samples did not detect compounds associated with dry cleaning operations at concentrations in excess of regulatory limits. However, soil gas analysis detected tetrachloroethylene at a concentration in excess of Wisconsin Vapor Action Levels. Based on the soil gas results, it appears that a new release has occurred, and reporting to Wisconsin Department of Natural Resources (WDNR) may be required. Apex recommends additional sub-slab soil gas sampling to delineate the impacted area and installation of a sub-slab depressurization system to control potential vapor intrusion.

If you have any questions regarding our findings, please contact Jane Allan at (513) 771-3617 x3801. Thank you for retaining Apex for this assessment.

Respectfully Submitted,
Apex Companies, LLC

Joseph P. Becker, P.G.
Project Hydrogeologist

Jane Allan
Senior Project Manager

Attachments

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EXECUTIVE SUMMARY

Phillips Edison & Company (PECO) retained Apex Companies, LLC (Apex) to perform a Phase II Limited Subsurface Investigation (subsurface investigation) at a current dry cleaning tenant space at the Franklin Centre commercial property located at 7249 South 76th Street in Franklin, Milwaukee County, Wisconsin (the Site).

The Site is developed with a 120,000-square foot (SF) multi-tenant shopping center, asphalt-paved parking and landscaped areas located on a 14.6-acre parcel of land. The subsurface investigation was conducted to investigate the risk of subsurface impacts due to the presence of the current Bright Cleaners, identified in a Phase I Environmental Site Assessment (ESA) conducted on Franklin Centre in August 2016.

A Limited Phase II ESA conducted by others in May 2011 discovered 1,1,1-tetrachloroethane (1,1,1-TCA) at concentrations above Wisconsin Department of Natural Resources (WDNR) Regional Screening Levels (RSLs) in one shallow soil sample taken behind the Bright Cleaners tenant space. Approximately 58 tons of impacted soil were removed near the rear door of the tenant space in June 2011. The facility received closure from the WDNR in December 2013. During the Phase I ESA conducted in August 2016, Apex observed staining on the floor in the tenant space and the ongoing use of PCE for the dry cleaning operations.

Based on the current dry cleaning operations and the ongoing use of chlorinated solvents, Apex conducted subsurface investigation in the vicinity of the tenant space in August 2016 to assess current environmental conditions.

The subsurface assessment included a non-invasive geophysical survey to clear underground utilities; the advancement of three soil borings that were converted into temporary monitoring wells in the parking lot/driveway south of the dry cleaning tenant space; installation of three sub-slab soil gas probes within the tenant space; and collection/analysis of three soil samples, two groundwater samples and three sub-slab soil gas samples for volatile organic compounds (VOCs) including chlorinated solvents associated with dry cleaning operations.

The soil analysis detected methylene chloride in one soil sample at a concentration in excess of Wisconsin remediation objectives. However, it is Apex's opinion that methylene chloride is not associated with Site operations, but is more likely a result of laboratory contamination from the sample handling process. The soil analysis did not detect any additional compounds in excess of Wisconsin remediation objectives. Similarly, the groundwater analysis did not detect any compounds in excess of Wisconsin groundwater quality standards or vapor intrusion screening levels.

The soil gas analysis detected PCE at a concentration in excess of Wisconsin remediation objectives in two of the three sub-slab soil gas samples. The soil gas analysis did not detect any additional compounds at concentrations in excess of Wisconsin remediation objectives.

Based on the concentrations of PCE detected in soil gas, it is Apex's opinion that additional sub-slab soil gas sampling should be conducted to delineate the impacted area. Once the impacted area is defined, Apex recommends that a sub-slab depressurization system should be installed at the Site to control potential vapor intrusion.

RESULTS OF PHASE II LIMITED SUBSURFACE INVESTIGATION
BRIGHT CLEANERS TENANT SPACE, FRANKLIN CENTRE
7249 SOUTH 76TH STREET
FRANKLIN, MILWAUKEE COUNTY, WISCONSIN

1.0 INTRODUCTION

Phillips Edison & Company (PECO) retained Apex Companies, LLC (Apex) to conduct a Phase II Limited Subsurface Investigation (subsurface investigation) at a current dry cleaning tenant space at the Franklin Centre commercial property located at 7249 South 76th Street in Franklin, Milwaukee County, Wisconsin (the Site, **Figure 1**). The subsurface investigation was conducted to investigate the risk of subsurface impacts due to the presence of the current Bright Cleaners, identified in a Phase I Environmental Site Assessment (ESA) conducted on Franklin Centre in August 2016.

1.1 Site Description

The Site consists of a 14.6-acre parcel of land developed with a 120,000-square foot (SF) multi-tenant shopping center, asphalt-paved parking and landscaped areas. The Site is bounded to the north by an outparcel bank, restaurant, and a multi-tenant commercial retail building followed by W Rawson Avenue; to the east by two outparcel banks and a restaurant followed by S 76th Street; to the south by undeveloped properties and condominium properties followed by Terrace Drive; and to the west by undeveloped properties followed by W Loomis Road/Wisconsin 36. The Site configuration and the adjoining properties are shown in the Site Plan provided as **Figure 2**. Photographs of the Site are included in **Appendix A**.

1.2 Previous Reports

Previous reports, prepared by others, include the following:

Phase I Environmental Site Assessment, Weaver Boos Consultants North Central, LLC, dated May 27, 2011

Weaver Boos Consultants North Central, LLC (Weaver) conducted a Phase I ESA of the Site. Weaver did not find evidence of RECs at the property, except for the potential presence of subsurface impacts associated with an active drycleaner facility at the Site. Weaver referenced a previous Phase I and II ESA that they conducted at the Site in 2001. According to the 2001 Phase I ESA, Weaver observed staining on the floor in proximity of the dry cleaning machine and improperly stored hazardous materials. The 2001 Phase II ESA at the Site advanced three soil probes in the vicinity of the dry cleaning machine and outside of the tenant space. Soil samples were analyzed for Volatile Organic Compounds (VOCs). Analytical results were below laboratory detection limits.

Limited Phase II Environmental Site Assessment Report, Weaver Boos Consultants North Central, LLC, dated June 17, 2011

Weaver conducted a limited Phase II ESA at the Site in May 2011. Weaver submitted six soil samples from three soil probe locations for VOC analysis. Weaver compared the laboratory results to the Wisconsin Department of Natural Resources' Residual Contaminant Levels (WDNR RCLs). One soil sample located outside of the Bright Cleaners by the rear door (SP-1 / 2-4') was found to have concentrations of 1,1,1 trichloroethane (1,1,1-TCA) that exceed the WDNR RCLs. The deeper sample from SP-1 had 1,1,1 TCA concentrations below WDNR RCLs. Weaver did not encounter groundwater during the Limited Phase II ESA. Weaver concluded that VOC impacts appear to be limited to shallow subsurface soils near SP-1.

Supplemental Response Activities - Bright Cleaners, Weaver Boos Consultants North Central, LLC, dated June 28, 2011

Weaver conducted additional activities at the Site in response to the results of the Limited Phase II ESA in June 2011. Weaver collected six additional shallow soil samples that were analyzed for VOCs to delineated the extent of contamination beyond SP-1. VOCs were not detected from the soil samples. Weaver excavated approximately 58 tons of soil in the vicinity of SP-1. Five confirmatory soil samples were collected from the excavation and analyzed for VOCs. Concentrations of VOCs were not found above WDNR RCLs in the five confirmatory samples. Weaver concluded that mitigation of the VOC impacts at the Site was successful.

1.3 Objectives and Scope of Work

To assess the risk of subsurface impacts due to the ongoing use of chlorinated VOCs at Bright Cleaners, Apex conducted subsurface assessment on August 31, 2016. The scope of work included a non-invasive geophysical survey to clear underground utilities; and soil, groundwater and soil gas sampling/analysis within and in the vicinity of the former dry cleaning tenant space.

The subsurface assessment activities are discussed in **Section 2.0**; soil and groundwater conditions are discussed in **Section 3.0**; the results of soil and groundwater analysis are discussed in **Section 4.0**; and a summary of the assessment and our conclusions are discussed in **Section 5.0**.

2.0 LIMITED PHASE II SUBSURFACE ASSESSMENT

Subsurface assessment included a non-invasive geophysical survey to clear underground utilities; the advancement of three soil borings and the collection of one soil sample from each boring (three total); installation of three temporary monitoring wells and the collection of one groundwater sample from two temporary wells; and the installation/sampling of soil-gas from three sub-slab soil vapor extraction points.

The locations of the soil borings, temporary monitoring wells and vapor extraction points are shown in **Figure 2A**. Photographs taken at the time of fieldwork are included in **Appendix A**.

2.1 Performance of a Geophysical Survey

Apex retained Ground Penetrating Radar Systems, Inc. (GPRS) to perform a non-invasive geophysical survey in an effort to clear the boring locations and avoid damaging underground utilities. The geophysical survey was performed using a combination of ground-penetrating radar (GPR) and radio detection (RD) techniques.

GPR transmits an electromagnetic pulse through the ground and displays the reflection on a screen for immediate interpretation. The depth of exploration for GPR is typically limited to 5-7± feet below ground surface (bgs), depending on soil conditions.

RD techniques (RD-7000 Locator, or similar) are used to gauge the location of the buried metallic piping or conduits such as drain pipes. Radio detection involves induction of an electrical signal on metal objects (such as the ends of the piping or conduits) and tracing this signal using a hand-held detector.

2.2 Soil Sampling and Analytical Program

2.2.1 Soil Sampling

Apex used a track-mounted hydraulic probe (Geoprobe™ rig) to collect soil samples from three borings (TW-1 through TW-3) to a depth of 20 feet bgs. Soil boring locations correspond to areas of previously documented soil contamination of dry cleaning solvents identified by others near the rear door of the tenant space. The locations of these borings are shown in **Figure 2A**.

Soil samples were collected continuously from ground surface to the bottom of each boring by pushing a 2-inch diameter by 5-foot long hollow-barreled sampler into/through the soil into dedicated, disposable plastic liners. An experienced geologist documented the subsurface conditions (soil type, photoionization detector [PID] measurements, the presence of staining, odors etc.). Soil samples were screened in the

field for chemical odors, evidence of staining and volatile organic emissions using a PID equipped with a 10.6 eV PID lamp. The PID was calibrated using isobutylene calibration gas in accordance with the manufacturer's protocols prior to the start of fieldwork. Soil collected from various depth intervals in each boring was broken apart, placed and sealed in plastic 'ziploc' bags and after a few minutes volatile emissions were measured in the headspace using the PID. The results of the field screening are shown in the boring logs included in **Appendix B**.

Three soil samples (one from each soil boring) were analyzed for volatile organic compounds (VOCs) by EPA Method 5035/8260. The samples were collected by pushing an Encore® sampler syringe into the soil to collect a 5 gram sample, the Encore® plunger was used to extrude the soil sample into clean, laboratory-supplied 40 milliliter (ml) VOA vials with sodium bisulfate or methanol preservative. The VOA was immediately capped, labeled and placed in a chilled cooler for transport to the analytical laboratory. Soil samples for additional parameters were placed in clean, 4-ounce laboratory-supplied jars. Chain-of-custody protocols were maintained throughout the sample handing process.

Field screening did not encounter indications of chemical release (staining, odors or volatile emissions). In the absence of such indications of chemical impacts, Apex selected one representative samples soil sample from each soil boring for laboratory analysis.

Boring logs are included in **Appendix B** and the soil and groundwater conditions are discussed in **Section 3.0**.

2.2.2 Soil Analysis

One soil sample from each boring (three total) were analyzed for VOCs by EPA Method 5035/8260. The soil analysis was performed by STAT Analysis Corporation, a National Environmental Laboratory Accreditation Conference (NELAP) certified laboratory. The soil analysis was performed on a 5-day laboratory turnaround basis. The results of the soil analysis for VOCs are summarized in **Table 1** and discussed in **Section 4.1**.

2.3 Groundwater Sampling and Analytical Program

2.3.1 Temporary Monitoring Well Installation

Apex installed three temporary groundwater monitoring wells (TW-1 through TW-3) in the associated soil borings shown in **Figure 2A**. The temporary wells were constructed by lowering a clean, 10-foot long, 1-inch diameter polyvinyl chloride (PVC) well screen with blank riser into the open boreholes. Filter (sand) pack was not placed in the

annulus between the well screen and the borehole, due to caving conditions of native material into the borehole. Groundwater samples were collected from temporary wells on August 31, 2016, using clean, disposable bailers. Due to limited groundwater recharge, no groundwater sample could be obtained from TW-2.

Water samples for VOCs analysis were collected by filling 40-ml vials in a manner to minimize turbulence, air entrapment and overfilling. VOCs sample vials contained a hydrochloric acid preservative. The bottles were filled completely leaving a positive meniscus at the top of the vial. After capping, the vial was inverted and was tapped with a finger to check to confirm that air bubbles were not present. The sample vials were then labeled and placed in a chilled cooler for transport to the analytical laboratory. The water samples were generally clear and effervescence was not observed in the vials. Chain of custody documentation was maintained throughout the sample handling process.

Following collection of the water samples, the casing for each temporary well was removed and the borehole was filled with bentonite and completed at ground surface using asphalt patch/concrete to match the surrounding hard surface, except for TW-3 which was located in a landscaped area. Well construction diagrams are included in **Appendix B**.

2.3.2 Groundwater Analysis

Two groundwater samples (samples from wells TW-1 and TW-3) were analyzed for VOCs by EPA Method 8260. The groundwater analysis was also performed by STAT Analysis Corporation on a 5-day laboratory turnaround basis. The results of the groundwater analysis are summarized in **Table 2** and discussed in Section 4.2.

2.4 Soil Gas Sampling and Analytical Program

2.4.1 Vapor Sampling Probe Extraction Point Installation

Apex installed three sub-slab soil gas probes through the concrete floor slab using a rotary hammer drill at the locations shown in **Figure 2A**. One soil gas probe was located north of the dry cleaning plant (SG-1), one probe was located next to the dry cleaning plant (SG-2), and one probe was located near the rear door of the tenant space south of the dry cleaning plant (SG-3).

The probes were installed by drilling a small diameter hole (5/8-inch) through the concrete slab into the underlying gravel-aggregate layer, approximately nine inches below the top of the concrete floor. A 1-inch diameter hole was drilled in the same location to approximately ½-inch below the top of the concrete floor for leak testing. The hole was then cleared of any debris prior to installing the soil gas probe. The soil gas probes

consisted of a brass MIP adapter/compression coupling, covered with a silicone tube, which was inserted and seated firmly into the 5/8-inch diameter hole drilled through the concrete slab.

Prior to sample collection, leak tests were performed on all the sample probes by mechanical means using the larger diameter hole as a water dam. The annulus of the 1-inch hole was filled with distilled water and monitored for fluctuations prior to and during sampling to verify that a leak had not occurred.

The laboratory-supplied regulator assembly was attached to the Summa canister and a 3-foot section of 0.25-inch Teflon-lined polyethylene tubing was attached to the regulator with Swagelock® fittings. A shut-in test was performed on the sample train by connecting the tubing to a syringe and plunger. With the Summa ® canister valve closed, a vacuum of approximately 20 inches of mercury was applied to the sample train and maintained for 30 seconds. The pressure was observed to remain stable for the duration of the test.

Additionally, the three sub-slab gas probes were purged a minimum of three probe volumes of air from the sampling media to ensure representative samples of sub-slab soil gas and field screened for volatile organic emissions using a PID equipped with a 10.6 eV PID lamp.

Upon successful leak test completion and probe purging/screening, sub-slab soil gas samples were collected using batch-certified 6-liter Summa® canisters (evacuated stainless steel canisters) with (30-minute) flow control valves with a flow rate of 200 milliliters per minute (mL/min). At each of the soil vapor probe location, the Summa canister was connected to the sample probe and the regulator valve was opened. The initial time and vacuum pressure were recorded and monitored throughout sample collection. Chain of custody documentation was maintained throughout the sample handling process. Results of the field screening, purge volumes, leak test observations, sampling intervals, initial and final vacuum pressures and laboratory-supplied equipment identification numbers are summarized in the sub-slab sampling logs included in **Appendix C.**

Following collection of the soil gas samples, the soil gas probes were removed from the slab and the sampling areas were restored with concrete to match the surrounding hard surface. Site photographs of the soil gas sampling locations are included in in **Appendix A**. Soil gas sampling details (i.e., results of field screening and leak testing; sample duration, initial and final canister pressures; and laboratory identification numbers) are recorded in the soil gas sample logs included in **Appendix C**.

2.4.2 Soil Gas Analysis

A total of three sub-slab soil gas samples (one sample from each vapor extraction point) were analyzed for VOCs by EPA Method TO-15. The soil gas analysis was also performed by STAT Analysis Corporation on a 5-day laboratory turnaround basis. The results of the soil gas analysis are summarized in **Table 3** and discussed in Section 4.3.

3.0 SOIL AND GROUNDWATER CONDITIONS

3.1 Soil Conditions

Apex advanced three borings to a maximum depth of 20 feet bgs. The soil borings encountered the following generalized lithologic sequence:

- Topsoil was encountered in the upper foot of the boring located in a landscaped area (TW-3). Asphalt approximately 3 inches thick was encountered at ground surface in the remaining two borings (TW-1 and TW-2). Topsoil and asphalt pavements were generally underlain by approximately 3 inches of crushed stone.

- Silty clay/clayey silt was encountered below the crushed stone/aggregate to a depth of 20 feet bgs, the maximum depth explored.

- A 1-foot lens of clayey sand/sandy clay was encountered at a depth ranging from 4 to 7 feet bgs in all three borings.

- A 6-inch lens of silty sand was encountered in two borings (TW2 and TW-3) at a depth of 11 feet and 7½ feet bgs, respectively.

Apex did not encounter significant volatile emissions measured using a PID, chemical odors or other indications of a potential chemical release. Refer to boring logs included in **Appendix B** for additional information regarding soil conditions in each boring.

3.2 Groundwater Conditions

Groundwater at the Site occurs in an unconfined (water table) aquifer. Saturated conditions were observed in two soil borings at a depth of 16 feet bgs (TW-1) and 12 feet bgs (TW-3). Depth to groundwater was measured prior to groundwater sample collection and ranged from 13.4 feet bgs (TW-1) to 18.5 feet bgs (TW-3). Groundwater was not encountered in temporary well TW-2. Given that the monitoring wells were not permanent and groundwater was not given time to stabilize, the measured groundwater depths are not considered static levels.

4.0 RESULTS OF SOIL, GROUNDWATER AND SOIL GAS ANALYSIS

To assess the soil, groundwater and soil gas conditions in the vicinity of the Bright Cleaners tenant space, Apex collected soil samples from three borings (TW-1 through TW-3); groundwater samples from two temporary wells (TW-1 and TW-3); and sub-slab soil gas samples from three vapor extraction points (SV-1 through SV-3). The results of the soil, groundwater and soil-vapor analysis are described in the following sections.

4.1 Results of the Soil Analysis

One soil sample collected within the driveway south of the Bright Cleaners tenant space (TW-1 at a depth of 14 feet bgs); one soil sample collected near the rear door of the tenant space (TW-2 at a depth of 11 feet bgs); and one soil sample collected in a landscaped area southeast of the tenant space were analyzed for VOCs by EPA Method 5035/8260. The results of the soil analysis were compared to Non-Industrial and Industrial Residual Contaminant Levels (RCLs) for Direct Contact and the soil (leaching) component to groundwater cited in the U.S. Environmental Protection Agency's (USEPA) Regional Screening Level Web-Calculator (June 2016) in accordance with Wisconsin Administrative Code NR 720 (WAC 720).

The soil analysis detected one compound (methylene chloride) in one sample (TW-1 at a depth of 14 feet bgs) at a concentration in excess of the soil component to groundwater RCL per WAC 720. Methylene chloride has historically been used in paint removers, solvent degreasing, plastics processing, blowing agent in foams, solvent extraction, solvent for cellulose acetate, and as an aerosol propellant[1]. Additionally, methylene chloride is a common laboratory solvent that can result in random background concentrations from the sample handling process[2], and was detected in the associated Method Blank. Therefore, it is Apex's opinion that methylene chloride detected in one soil sample is a laboratory artifact, and does not reflect contamination from historical Site operations.

The soil analysis did not detect any additional VOCs at concentrations in excess of RCLs for direct-contact (non-industrial and industrial) or the soil component to groundwater per WAC 720. The results of the soil analysis, RCLs and sample depths are summarized in **Table 1**. Copies of the laboratory reports, chain-of custody documents and NELAP certificate are included in **Appendix D**.

[1] *Hawley's Condensed Chemical Dictionary, Eleventh Edition*, Revised by N. Irving Sax and Richard J. Lewis, Sr., 1987.
[2] USEPA Method 8260B, *Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry*.

4.2 Results of the Groundwater Analysis

A total of two groundwater samples (from temporary wells TW-1 and TW-3) were analyzed for VOCs by EPA Method 8260. The results of the groundwater analysis were compared to Groundwater Quality Standards (GQSs, Enforcement Standards and Preventative Action Limits) cited in Wisconsin Administrative Code NR 140.10 Table 1 (WAC 140) and Vapor Risk Screening Levels (VRSLs) for groundwater for a commercial property use based on the USEPA Vapor Intrusion Screening Level Calculator (VISLC, Version 3.5.1, May 2016) with an excess lifetime cancer risk of 1 x 10^{-5} in accordance with Wisconsin Administrative Code NR 716 (WAC 716).

The groundwater analysis did not detect VOCs at concentrations in excess of the GQSs for both the Enforcement Standards and Preventative Action Limits cited in WAC 140, or the VRSLs per WAC 716. The results of the groundwater analysis, GQSs and VISLs are summarized in **Table 2**. Copies of the laboratory reports, chain-of-custody documents and NELAP certificate are included in **Appendix D**.

4.3 Results of the Soil Gas Analysis

One soil gas sample collected north of the dry cleaning plan (SV-1); one soil gas sample collected immediately adjacent to the dry cleaning plant (SV-2); and one soil gas sample collected near the rear door of the tenant space (SV-3) were analyzed for VOCs by EPA Method TO-15. The results of the soil gas analysis were compared to sub-slab Vapor Action Levels (VALs) for a commercial property use based on the USEPA VISL (Version 3.5.1, May 2016) with an excess lifetime cancer risk of 1 x 10^{-5} in accordance with WAC 716.

The soil gas analysis detected tetrachloroethene (PCE) in two sub-slab soil gas samples (SV-1 and SV-2) at a concentration in excess of commercial VALs per WAC 716 as summarized below.

Compound	SV-1	SV-2	SV-3	Sub-Slab VALs
PCE	**12,000**	**44,000**	**1,900**	5,800

Notes: Concentrations are in micrograms per cubic meter ($\mu g/m^3$)
Detected concentrations are shown as **Bold**
Concentrations in excess of the VAL are Highlighted

The soil gas analysis did not detect any additional VOCs at concentrations in excess of commercial VALs per WAC 716. The results of the soil gas analysis and VALs are summarized in **Table 3**. Copies of the laboratory reports, chain-of custody documents and NELAP certificate are included in **Appendix D**.

5.0 SUMMARY AND CONCLUSIONS

PECO retained Apex to perform a Phase II Limited Subsurface Investigation at a current dry cleaning tenant space at the Franklin Centre commercial property located at 7249 South 76th Street in Franklin, Milwaukee County, Wisconsin (the Site).

The subsurface investigation was conducted to investigate the risk of subsurface impacts due to the presence of the current Bright Cleaners, identified in Apex's Phase I ESA conducted on Franklin Centre in August 2016. Based on the current dry cleaning operations and the ongoing use of chlorinated solvents, Apex conducted subsurface investigation in the vicinity of the tenant space in August 2016 to assess current environmental conditions.

The subsurface assessment included a non-invasive geophysical survey to clear underground utilities; the advancement of three soil borings that were converted into temporary monitoring wells in the parking lot/driveway south of the dry cleaning tenant space; installation of three sub-slab soil gas probes within the tenant space; and collection/analysis of three soil samples, two groundwater samples and three sub-slab soil gas samples for VOCs including chlorinated solvents associated with dry cleaning operations.

The soil analysis detected methylene chloride in one soil sample at a concentration in excess of Wisconsin remediation objectives. However, it is Apex's opinion that methylene chloride is not associated with Site operations, but is a result of laboratory contamination from the sample handling process. The soil analysis did not detect any additional compounds in excess of Wisconsin remediation objectives. Similarly, the groundwater analysis did not detect any compounds in excess of Wisconsin groundwater quality standards or vapor intrusion screening levels.

The soil gas analysis detected PCE at a concentration in excess of Wisconsin remediation objectives in two of the three sub-slab soil gas samples. The soil gas analysis did not detect any additional compounds at concentrations in excess of Wisconsin remediation objectives.

Based on the concentrations of PCE detected in soil gas, it is Apex's opinion that additional sub-slab soil gas sampling should be conducted to delineate the impacted area. Once the impacted area is defined, Apex recommends that a sub-slab depressurization system should be installed at the Site to control potential vapor intrusion.

TABLES

Table 1

Summary of Soil Data for
Volatile Organic Compounds (VOCs)
EPA Method 5035/8260B
Bright Cleaners - Franklin Centre
7249 South 76th Street, Franklin, Wisconsin

concentrations in milligrams per kilogram (mg/kg)

Boring Number	TW-1	TW-2	TW-2	Residual Contaminant Levels		
				Direct Contact		Soil to Groundwater
Sample Depth (feet bgs)	14	11	12	Non-Industrial	Industrial	
Acetone	**0.029**	< 0.053	< 0.058	63,800	100,000	1.8383
Benzene	**0.0018**	**0.00044**	**0.00045**	1.49	7.41	0.0026
Bromodichloromethane	< 0.0049	< 0.0035	< 0.0039	0.39	1.96	0.0002
Bromoform	< 0.0049	< 0.0035	< 0.0039	23.6	115	0.0012
Bromomethane	< 0.0097	< 0.0070	< 0.0077	10.3	46	0.0025
2-Butanone	< 0.073	< 0.053	< 0.058	28,400	28,400	0.833
Carbon disulfide	**0.00019**	**0.00051**	< 0.039	738	738	0.2959
Carbon tetrachloride	< 0.0049	< 0.0035	< 0.0039	0.854	4.25	0.0019
Chlorobenzene	< 0.0049	< 0.0035	< 0.0039	392	761	0.0679
Chloroethane	< 0.0097	< 0.0070	< 0.0077	2,120	2,120	0.1133
Chloroform	< 0.0049	< 0.0035	< 0.0039	0.423	2.13	0.0017
Chloromethane	< 0.0097	< 0.0070	< 0.0077	171	720	0.0078
Dibromochloromethane	< 0.0049	< 0.0035	< 0.0039	7.6	34.1	0.016
1,1-Dichloroethane	< 0.0049	< 0.0035	< 0.0039	4.72	23.7	0.2417
1,2-Dichloroethane	< 0.0049	< 0.0035	< 0.0039	0.608	3.03	0.0014
1,1-Dichloroethene	< 0.0049	< 0.0035	< 0.0039	342	1,190	0.0025
cis-1,2-Dichloroethene	< 0.0049	< 0.0035	< 0.0039	156	2,040	0.0206
trans-1,2-Dichloroethene	< 0.0049	< 0.0035	< 0.0039	1,560	1,850	0.0313
1,2-Dichloropropane	< 0.0049	< 0.0035	< 0.0039	1.33	6.62	0.0017
cis-1,3-Dichloropropene	< 0.0019	< 0.0014	< 0.0015	1,210	1,210	0.0001
trans-1,3-Dichloropropene	< 0.0019	< 0.0014	< 0.0015	1,510	1,510	0.0001
Ethylbenzene	**0.00026**	< 0.0035	< 0.0039	7.47	37	0.785
2-Hexanone	< 0.019	< 0.014	< 0.015	244	1,770	NE
4-Methyl-2-pentanone	< 0.019	< 0.014	< 0.015	3,360	3,360	0.1126
Methylene Chloride	**0.0019**	< 0.0070	< 0.0077	60.7	1,070	0.0013
Methyl tertiary-butyl ether	< 0.0049	< 0.0035	< 0.0039	59.4	293	0.0135
Styrene	< 0.0049	< 0.0035	< 0.0039	867	867	0.11
1,1,2,2-Tetrachloroethane	< 0.0049	< 0.0035	< 0.0039	0.753	3.69	0.0000782
Tetrachloroethene	< 0.0049	< 0.0035	< 0.0039	30.7	153	0.0023
Toluene	**0.0017**	**0.00046**	**0.00041**	818	818	0.5536
1,1,1-Trichloroethane	< 0.0049	< 0.0035	< 0.0039	640	640	0.0701
1,1,2-Trichloroethane	< 0.0049	< 0.0035	< 0.0039	1.48	7.34	0.0016
Trichloroethene	< 0.0049	< 0.0035	< 0.0039	1.26	8.81	0.0018
Vinyl chloride	< 0.0049	< 0.0035	< 0.0039	0.067	2.03	0.000069
Xylenes (total)	< 0.015	< 0.011	< 0.012	260	260	1.98

Notes:

bgs = feet below ground surface

TW-2 = Soil boring

< = Not Detected: Concentration less than the indicated laboratory detection limit

Detected compounds are shown as **bold**

NE = Remedial Objective not established

RCLs (Non-Industrial Direct-Contact) = Residual Contaminant Levels per the U.S. EPA's Regional Screening Level Web-Calculator (updated June 2016) in accordance with Wisconsin Administrative Code NR 720

RCLs (Industrial Direct-Contact) = Residual Contaminant Levels per the U.S. EPA's Regional Screening Level Web-Calculator (updated June 2016) in accordance with Wisconsin Administrative Code NR 720

RCLs (Soil to Groundwater) = Soil to Groundwater Residual Contaminant Levels per the U.S. EPA Regional Screening Level Web-Calculator (updated June 2016) in accordance with Wisconsin Administrative Code NR 720

Concentrations in excess of RCLs are shaded yellow

Exceeded RCLs are shaded green

Blue font shows laboratory detection limits in excess of Remediation Objectives

Table 2

Summary of Groundwater Data for
Volatile Organic Compounds (VOCs)
EPA Method 8260B
Bright Cleaners - Franklin Centre
7249 South 76th Street, Franklin, Wisconsin

concentrations in milligrams per liter (µg/L)

Well Number	TW-1	TW-3	Groundwater Quality Standards		Vapor Risk Screening Levels
			Enforcement Standards	Preventative Action Limit	Commercial
Acetone	< 20	**0.012**	9,000	1,800	95,000,000
Benzene	< 0.50	**0.00024**	5	0.5	69
Bromodichloromethane	< 0.50	< 0.50	0.6	0.06	38
Bromoform	< 1.0	< 1.0	4.4	0.44	5,100
Bromomethane	< 5.0	< 5.0	10	1	73
2-Butanone	< 10	< 10	4,000	800	9,400,000
Carbon disulfide	< 5.0	**0.00034**	1,000	200	5,200
Carbon tetrachloride	< 0.50	< 0.50	5	0.5	18
Chlorobenzene	< 0.50	< 0.50	100	20	1,700
Chloroethane	< 5.0	< 5.0	400	80	97,000
Chloroform	< 0.50	< 0.50	6	0.6	36
Chloromethane	< 5.0	< 5.0	30	3	1,100
Dibromochloromethane	< 0.50	< 0.50	60	6	NE
1,1-Dichloroethane	< 0.50	< 0.50	850	85	330
1,2-Dichloroethane	< 1.0	< 1.0	5	0.5	98
1,1-Dichloroethene	< 1.0	< 1.0	7	0.7	820
cis-1,2-Dichloroethene	< 1.0	< 1.0	70	7	NE
trans-1,2-Dichloroethene	< 1.0	< 1.0	100	20	NE
1,2-Dichloropropane	< 1.0	< 1.0	5	0.5	110
cis-1,3-Dichloropropene	< 1.0	< 1.0	0.4	0.04	210
trans-1,3-Dichloropropene	< 1.0	< 1.0	0.4	0.04	210
Ethylbenzene	< 0.50	< 0.50	700	140	150
2-Hexanone	< 10	< 10	NE	NE	34,000
4-Methyl-2-pentanone	< 10	< 10	500	50	2,300,000
Methylene Chloride	< 5.0	< 5.0	5	0.5	20,000
Methyl tertiary-butyl ether	< 0.50	< 0.50	60	12	20,000
Styrene	< 1.0	< 1.0	100	10	39,000
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	0.2	0.02	140
Tetrachloroethene	< 1.0	< 1.0	5	0.5	240
Toluene	< 0.50	< 0.50	800	160	81,000
1,1,1-Trichloroethane	< 1.0	< 1.0	200	40	31,000
1,1,2-Trichloroethane	< 0.50	< 0.50	5	0.5	26
Trichloroethene	< 1.0	< 1.0	5	0.5	22
Vinyl chloride	< 1.0	< 1.0	0.2	0.02	25
Xylenes (total)	< 3.0	< 3.0	2,000	400	1,600

Notes:

TW-3 = Temporary monitoring well

< = Not Detected: Concentration less than the indicated laboratory detection limit.

Detected concentrations are shown in **bold**.

NE = Remedial Objective not established.

Groundwater Quality Standards cited in Wisconsin Administrative Code NR 140.10 Table 1

Vapor Risk Screening Levels for groundwater with a commercial property use based on the U.S. EPA Vapor Intrusion Screening Level Calculator (Version 3.5.1, May 2016) with an excess lifetime cancer risk of 1 x 10^{-5} in accordance with Wisconsin Administrative Code NR 716

Concentrations in excess of GQSs and/or VRSLs are shaded yellow (none detected)

Exceeded GQSs and/or VRSLs are shaded green

Blue font shows laboratory detection limits in excess of Remediation Objectives

Table 3

Summary of Soil Gas Data for
Volatile Organic Compounds (VOCs)
EPA Method TO-15
Bright Cleaners - Franklin Centre
7249 South 76th Street, Franklin, Wisconsin

concentrations in micrograms per cubic meter (µg/m^3)

Sub-slab Sample Number	SV-1	SV-2	SV-3	Sub-Slab Vapor Action Levels
				Commercial
Acetone	**82**	**140**	**100**	4,500,000
Benzene	**2.9**	**1.4**	**3.4**	520
Benzyl chloride	< 6.0	< 4.8	< 6.6	83
Bromodichloromethane	< 3.1	< 2.5	< 3.4	110
Bromoform	< 12	< 9.6	< 13	3,700
Bromomethane	**0.54**	**0.50**	**0.79**	730
1,3-Butadiene	< 1.0	< 0.82	< 1.1	140
2-Butanone	**6.7**	**7.7**	**12**	730,000
Carbon disulfide	**0.50**	< 1.2	**0.48**	3,100
Carbon tetrachloride	< 2.9	< 2.3	< 3.2	680
Chlorobenzene	< 2.1	< 1.7	< 2.4	7,300
Chloroethane	< 1.2	< 0.98	< 1.3	1,500,000
Chloroform	**0.22**	**0.36**	**0.62**	180
Chloromethane	< 2.4	< 1.9	< 2.6	13,000
Cyclohexane	**2.5**	**1.3**	**4.6**	880,000
Dibromochloromethane	< 3.9	< 3.2	< 4.3	NE
1,2-Dibromoethane	< 3.5	< 2.9	< 3.9	6.8
1,1-Dichloroethane	< 1.9	< 1.5	< 2.1	2,600
1,2-Dichlorobenzene	**0.42**	< 2.2	< 3.1	29,000
1,3-Dichlorobenzene	**1.9**	**1.1**	**4.9**	NE
1,4-Dichlorobenzene	< 2.8	< 2.2	< 3.1	370
Dichlorodifluoromethane	**2.3**	**2.3**	**2.1**	15,000
1,2-Dichloroethane	< 1.9	< 1.5	< 2.1	160
1,1-Dichloroethene	< 1.8	< 1.5	< 2.0	29,000
cis-1,2-Dichloroethene	**1.7**	**18**	**32**	NE
trans-1,2-Dichloroethene	< 1.8	**0.15**	< 2.0	NE
1,2-Dichloropropane	< 2.1	< 1.7	< 2.4	410
cis-1,3-Dichloropropene	< 2.1	< 1.7	< 2.3	1,000
trans-1,3-Dichloropropene	< 2.1	< 1.7	< 2.3	1,000
1,4-Dioxane	< 4.1	**2.7**	**2.4**	820
Ethyl acetate	< 4.1	< 3.3	< 4.6	10,000
Ethylbenzene	**3.9**	**2.8**	**6.1**	1,600
4-Ethyltoluene	**1.4**	**0.91**	**1.6**	NE
Freon-113	< 3.5	**0.57**	**0.59**	4,400,000
Freon-114	< 16	< 13	< 18	NE
Heptane	**5.5**	**2.7**	**13**	NE
Hexachlorobutadiene	**0.74**	< 4.0	< 5.4	190
Hexane	**6.4**	**2.7**	**11**	100,000
2-Hexanone	**3.1**	**2.9**	**4.9**	4,400
Isopropyl alcohol	**310**	**110**	**65**	29,000
4-Methyl-2-pentanone	**12**	**6.1**	**9.4**	440,000
Methylene Chloride	**0.96**	< 13	< 18	88,000
Methyl tertiary-butyl ether	**0.25**	**0.33**	**0.28**	16,000
Naphthalene	**2.8**	**1.8**	**4.1**	120
Propene	**6.3**	**3.6**	**5.5**	440,000
Styrene	**0.78**	**0.32**	**0.54**	150,000
1,1,2,2-Tetrachloroethane	< 3.2	< 2.5	< 3.5	70
Tetrachloroethene	**12,000**	**44,000**	**1,900**	5,800
Tetrahydrofuran	**8.4**	**4.1**	**5.6**	290,000
Toluene	**81**	**46**	**47**	730,000
1,2,4-Trichlorobenzene	**1.9**	**0.96**	**1.1**	290
1,1,1-Trichloroethane	< 2.5	< 2.0	< 2.8	730,000
1,1,2-Trichloroethane	< 2.5	< 2.0	< 2.8	29
Trichloroethene	**22**	**41**	**26**	290
Trichlorofluoromethane	**1.6**	**1.6**	**1.3**	NE
1,2,4-Trimethylbenzene	**5.1**	**3.9**	**7.5**	1,000
1,3,5-Trimethylbenzene	**1.4**	**0.91**	**2.0**	NE
Vinyl acetate	< 16	< 13	< 18	29,000
Vinyl chloride	< 1.2	< 0.95	< 1.3	930
m,p-Xylene	**8.8**	**6.0**	**12**	15,000
o-Xylene	**3.6**	**2.4**	**4.8**	15,000
Xylenes (total)	**12**	**8.5**	**17**	15,000

Notes:

SV-2 = Sub-slab vapor sample

< = Not Detected: Concentration less than the indicated laboratory detecti

Detected concentrations are shown in **bold**.

NE = Remedial Objective not established.

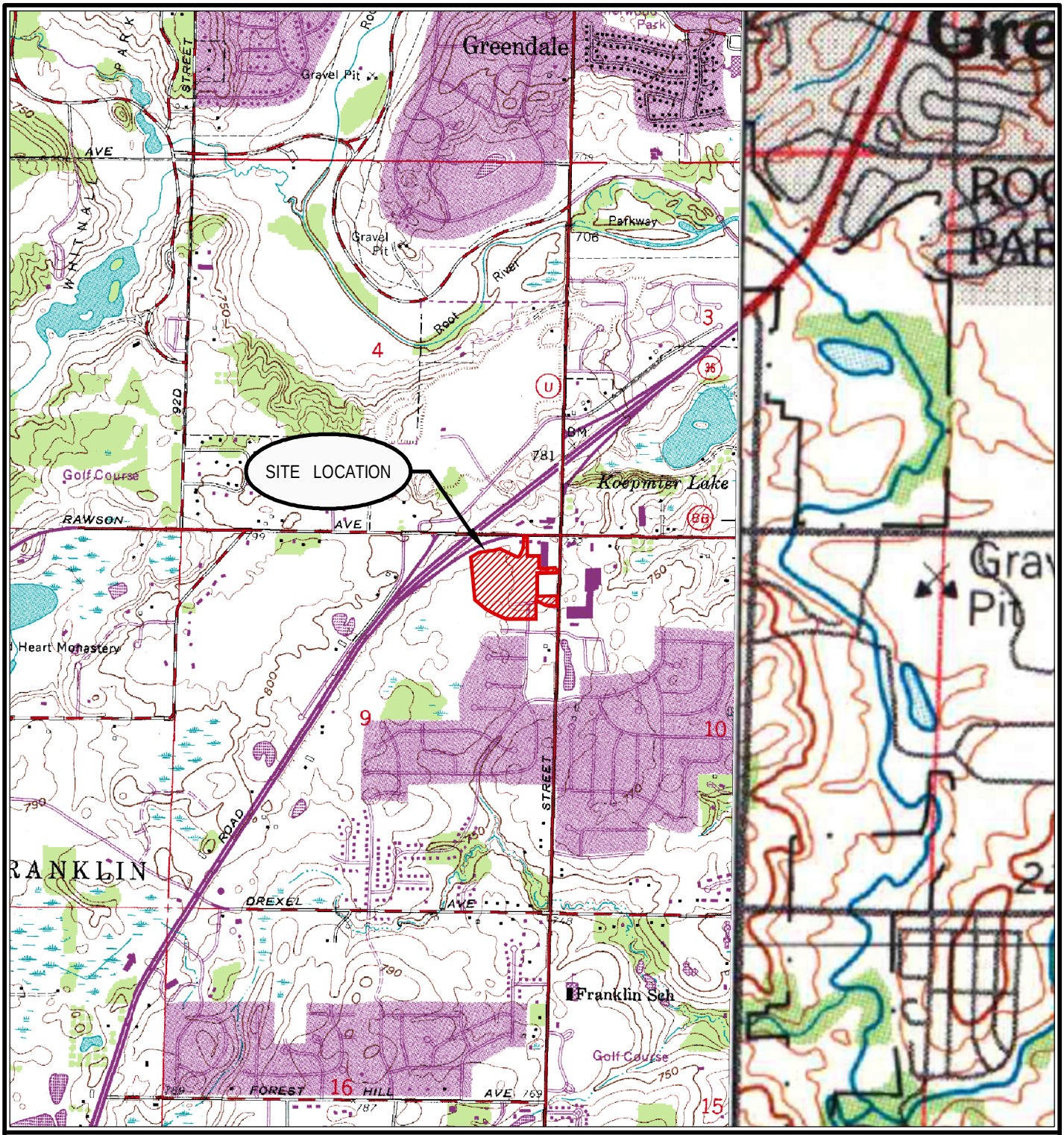
Sub-Slab Vapor Action Levels for a commercial property use based on the U.S. EPA Vapor Instrusion Screening Level Calculator (Version 3.5.1, May 2016) with an excess lifetime cancer risk of 1 x 10^{-5} in accordance with Wisconsin Administrative Code NR 716

Concentrations in excess of Remediation Objectives are shaded yellow

Exceeded Remedial Objectives are shaded green

Blue font shows laboratory detection limits in excess of Remediation Objectives

FIGURES



QUADRANGLE LOCATION

Scale 1:24000

0 1/2 1 MILE

1000 0 1000 2000 3000 FEET

(SOURCE OF MAP IS USGS 7.5 MINUTE QUADRANGLE MAP, HALES CORNERS (1994), WISCONSIN)

CHECK BY	JB
DRAWN BY	OS
DATE	8-29-16
SCALE	AS SHOWN
CAD NO.	PECO_2016.78A
PRJ NO.	PECO_2016.78

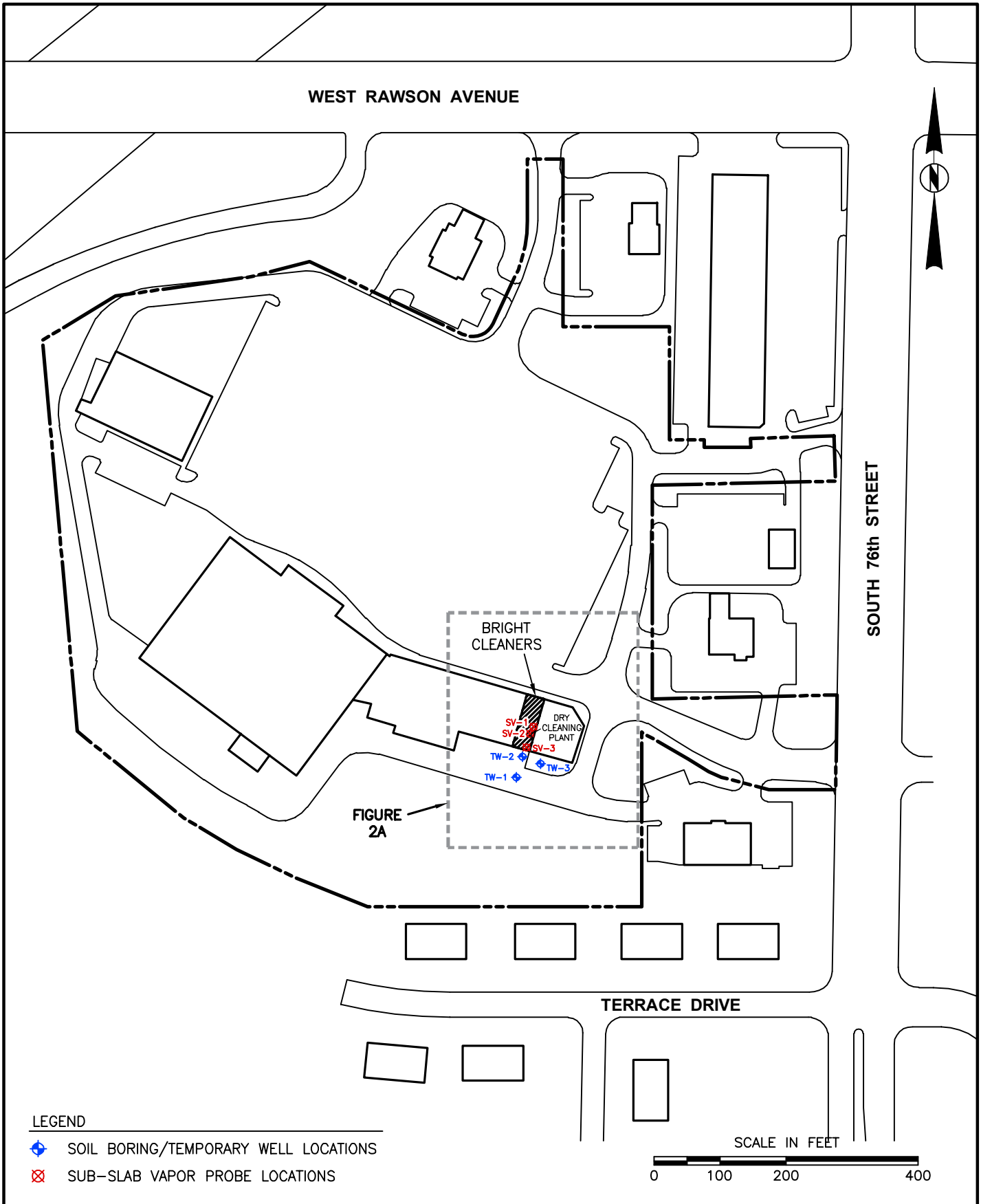
SITE LOCATION MAP

BRIGHT CLEANERS – FRANKLIN
7249 SOUTH 76th STREE
FRANKLIN, WISCONSIN

APEX

FIGURE

1



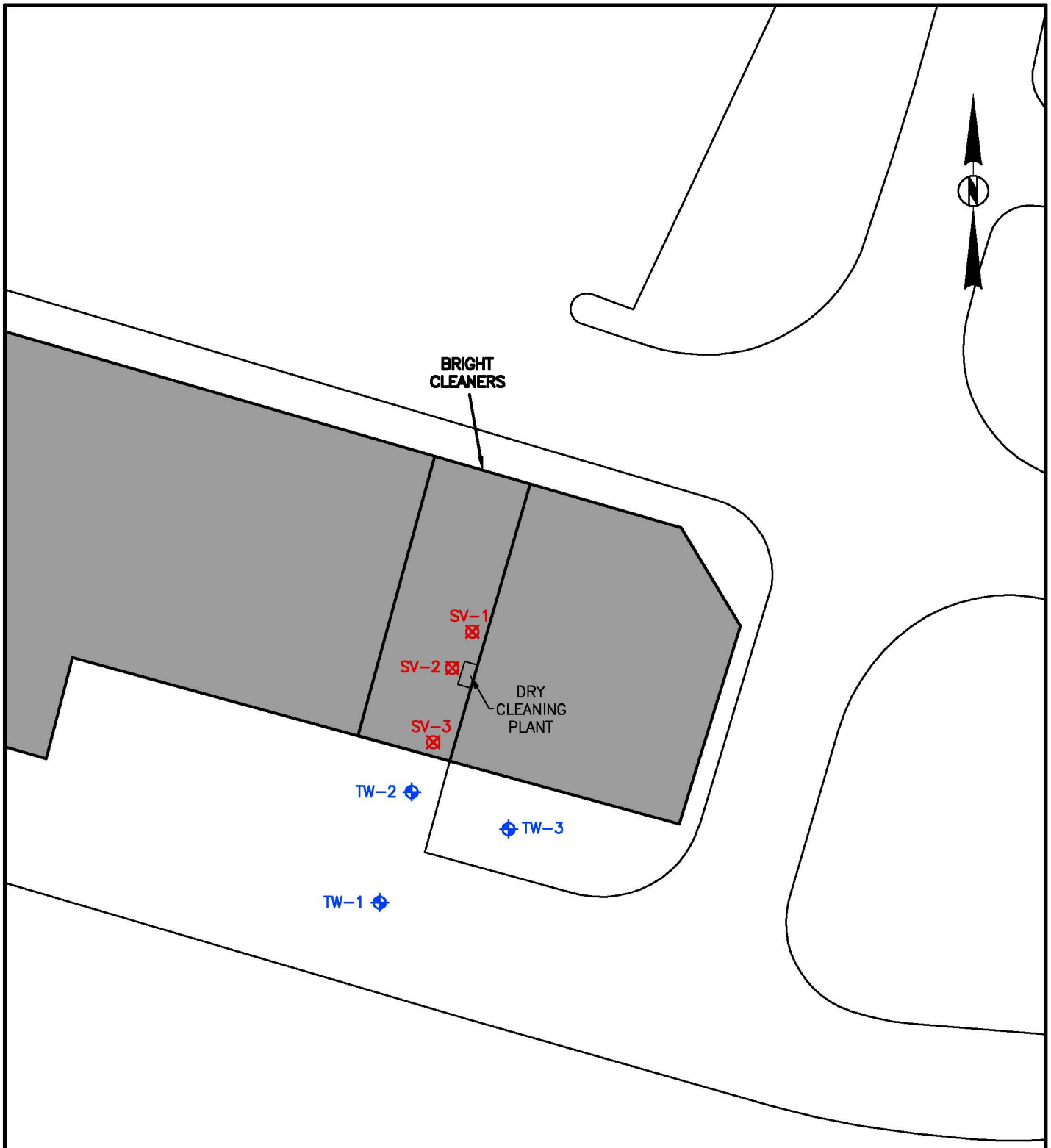
CHECK BY	JB
DRAWN BY	OS
DATE	9-8-16
SCALE	AS SHOWN
CAD NO.	PECO_2016.78B
PRJ NO.	PECO_2016.78

SITE PLAN

BRIGHT CLEANERS – FRANKLIN
7249 SOUTH 76th STREET
FRANKLIN, WISCONSIN

APEX

FIGURE
2



CHECK BY	JB
DRAWN BY	OS
DATE	9–8–16
SCALE	AS SHOWN
CAD NO.	PECO_2016.78B
PRJ NO.	PECO_2016.78

SITE DETAIL

BRIGHT CLEANERS – FRANKLIN
7249 SOUTH 76th STREET
FRANKLIN, WISCONSIN

APEX

FIGURE

2A

APPENDIX A

Site Photgraphs

PHOTO LOG FOR
BRIGHT CLEANERS – FRANLIN CENTRE
7249 SOUTH 76TH STREET, FRANKLIN, WISCONSIN

Photo No. 1 showing front of the Bright Cleaners tenant space, view to the south.	
Photo No. 2 showing the clearance of underground utilities in the rear of the Bright Cleaners tenant space using ground penetrating radar, view to the northeast.	
Photo No. 3 showing the advancement of a boring (TW-1) in the driveway south of the Bright Cleaners tenant space, view to the east.	

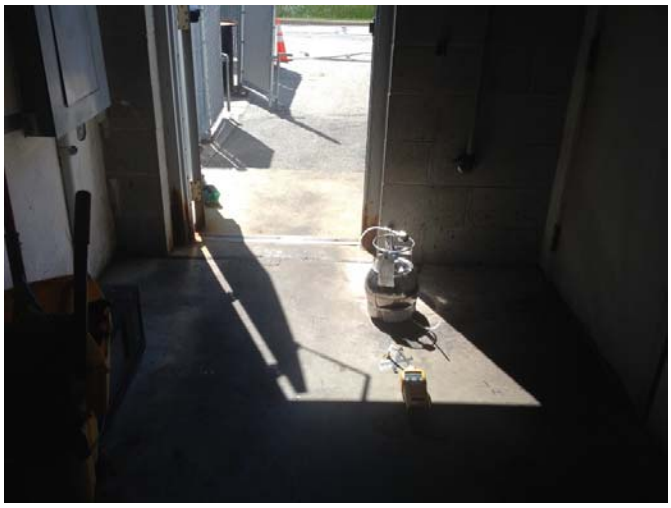
APEX

PHOTO LOG FOR
BRIGHT CLEANERS – FRANLIN CENTRE
7249 SOUTH 76TH STREET, FRANKLIN, WISCONSIN

Photo No. 4 showing a temporary well (TW-1) in the driveway south of the Bright Cleaners tenant space in the foreground and the advancement of a boring (TW-3) in the background, view to the northeast.	
Photo No. 5 showing a temporary well (TW-2) located near the rear door of the Bright Cleaners tenant space, view to the north.	
Photo No. 6 showing the interior of the Bright Cleaners tenant space with the dry cleaning plant on the right, view to the north.	

APEX

PHOTO LOG FOR
BRIGHT CLEANERS – FRANLIN CENTRE
7249 SOUTH 76TH STREET, FRANKLIN, WISCONSIN

Photo No. 7 showing a sub-slab vapor probe (SV-2) installed next to the dry cleaning plant. Leak testing is being performed on the probe by mechanical means using the water dam method.	
Photo No. 8 showing a Summa® canister sample train being leak tested with a shut-in test by applying a negative pressure using a syringe and plunger.	
Photo No. 9 showing a vapor probe (SV-3) being purged and screened for volatile emissions using a photoionization detector prior to sample collection, view to the south.	

APEX

PHOTO LOG FOR
BRIGHT CLEANERS – FRANLIN CENTRE
7249 SOUTH 76TH STREET, FRANKLIN, WISCONSIN

Photo No. 10 showing a sub-slab vapor probe installed north of the dry cleaning plant (SV-1) in the foreground and a second installed next to the plan (SV-2), view to the south.	
Photo No. 11 showing the collection of a sub-slab vapor sample (SV-1) north of the dry cleaning plant, view to the north.	
Photo No. 12 showing the collection of a sub-slab vapor sample (SV-2) next to the dry cleaning plant, view to the north.	

APEX

APPENDIX B

Boring Logs and Well Construction Diagrams

SOIL BORING LOG / TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

Apex Companies, LLC
1701 East Woodfield Road
Suite 333
Schaumburg, IL 60173
(847) 956-8589

PROJECT NAME:	Bright Cleaners	**SOIL BORING NUMBER:**	**TW-1**
PROJECT NUMBER:	PECO_2016-78	**LOGGED BY:**	Joe Becker
PROJECT LOCATION:	7249 South 76th Street Franklin, Wisconsin	**DATE:**	August 31, 2016
DRILLING CONTRACTOR:	Environmental Soil Probing	**TOTAL BORING DEPTH:**	20 Feet
DRILLER:	Derek	**BOREHOLE DIAMETER:**	2 Inches - Rod
RIG TYPE:	Track-mounted Geoprobe	**WELL DEPTH:**	19 Feet
SAMPLING METHOD:	Dual-core	**WELL DIAMETER:**	1 Inch
GROUND ELEV (FT):	--	**DEPTH TO WATER :**	16 Feet (Observed in sample)
TOP OF CASING ELEV (FT):	--		13.4 Feet (Prior to sampling on 8/31/16)

DEPTH IN FEET	RECOVERY (FT)	PID (ppm)	LABORATORY I.D.	WELL CONSTRUCTION	GRAPHIC LOG	WATER LEVEL	SAMPLE DESCRIPTION
0							3" Asphalt, 4" Aggregate
1				1" PVC well casing			(CL) Silty clay with gravel, brown, dry, no odor
2	3 1/2	< 5					
3							
4							(SC) Clayey sand, brown, dry, no odor
5		< 5					(ML) Clayey silt, brown, dry, no odor
6							
7	4 1/2	< 5					
8							
9							(GP) 1" Gravel, grayish brown, dry, no odor
10		9.9					(CL) Silty clay, grayish brown, dry, no odor
11				0.01" PVC well screen			
12		9.2					Slightly damp
13	5					13.4' ▼	
14		12.6	TW-1 @ 14'				(ML) Clayey silt, grayish brown, damp, no odor
15							
16							Saturated
17							
18	5			PVC cap at bottom of well casing			
19							Damp
20							**Bottom of Boring at 20 feet**

SOIL BORING LOG / TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

Apex Companies, LLC
1701 East Woodfield Road
Suite 333
Schaumburg, IL 60173
(847) 956-8589

PROJECT NAME: Bright Cleaners
PROJECT NUMBER: PECO_2016-78
PROJECT LOCATION: 7249 South 76th Street, Franklin, Wisconsin

SOIL BORING NUMBER: TW-2
LOGGED BY: Joe Becker
DATE: August 31, 2016

DRILLING CONTRACTOR: Environmental Soil Probing
DRILLER: Derek
RIG TYPE: Track-mounted Geoprobe
SAMPLING METHOD: Dual-core
GROUND ELEV (FT): --
TOP OF CASING ELEV (FT): --

TOTAL BORING DEPTH: 20 Feet
BOREHOLE DIAMETER: 2 Inches - Rod
WELL DEPTH: 17.5 Feet
WELL DIAMETER: 1 Inch
DEPTH TO WATER : NE Feet (Observed in sample)

DEPTH IN FEET	RECOVERY (FT)	PID (ppm)	LABORATORY I.D.	WELL CONSTRUCTION	GRAPHIC LOG	WATER LEVEL	SAMPLE DESCRIPTION
1				1" PVC well casing			3" Asphalt, 4" Aggregate
2	2						(ML) Clayey silt with crushed stone, brown, dry, no odor
3		< 5					
4							
5							Damp, light brown
6		< 5					
7	3						(SC) Clayey sand, light brown, damp, no odor
8							(GW) 1" Gravel, grayish brown, dry, no odor
9		< 5					(ML) Clayey silt, grayish brown, dry, no odor
10			TW-2 @ 11'	0.01" PVC well screen			
11		< 5					(SM) Silty sand, brown, damp, no odor
12							(ML) Clayey silt, grayish brown, slightly damp, no odor
13	3 1/2						(CL) Silty clay, grayish brown, slightly damp, no odor
14		< 5					(ML) Clayey silt, grayish brown, dry, no odor
15							
16							
17		< 5		PVC cap at bottom of well casing			
18	4						
19							
20							**Bottom of Boring at 20 feet**

SOIL BORING LOG / TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

Apex Companies, LLC
1701 East Woodfield Road
Suite 333
Schaumburg, IL 60173
(847) 956-8589

PROJECT NAME: Bright Cleaners
PROJECT NUMBER: PECO_2016-78
PROJECT LOCATION: 7249 South 76th Street, Franklin, Wisconsin

SOIL BORING NUMBER: TW-3
LOGGED BY: Joe Becker
DATE: August 31, 2016

DRILLING CONTRACTOR: Environmental Soil Probing
DRILLER: Derek
RIG TYPE: Track-mounted Geoprobe
SAMPLING METHOD: Dual-core
GROUND ELEV (FT): --
TOP OF CASING ELEV (FT): --

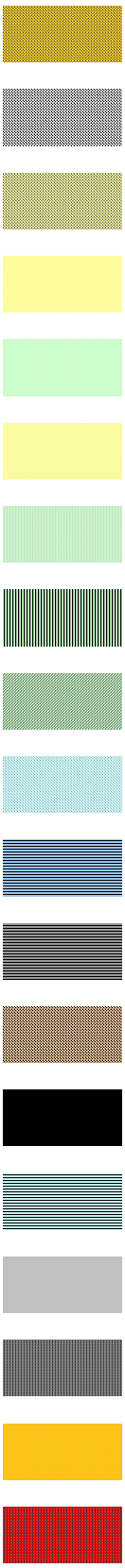
TOTAL BORING DEPTH: 20 Feet
BOREHOLE DIAMETER: 2 Inches - Rod
WELL DEPTH: 20 Feet
WELL DIAMETER: 1 Inch
DEPTH TO WATER : 12 Feet (Observed in sample)
18.5 Feet (Prior to sampling on 8/31/16)

DEPTH IN FEET	RECOVERY (FT)	PID (ppm)	LABORATORY I.D.	WELL CONSTRUCTION	GRAPHIC LOG	WATER LEVEL	SAMPLE DESCRIPTION
1				1" PVC well casing			Topsoil
2							Aggregate
3	4						(CL) Silty clay with gravel, brown, slightly damp, no odor
4		< 5					(CL) Sandy clay, tan, dry, no odor
5							(ML) Clayey silt, light brown, slightly damp, no odor
6							
7	3 1/2	< 5					
8							(SM) 1" Silty sand, light brown, slightly damp, no odor
9							(ML) Clayey silt, brown, slightly damp, no odor
10		< 5		0.01" PVC well screen			
11			TW-3 @ 12'				
12		< 5					Grayish brown Saturated
13	3						
14							
15							
16							(CL) Silty clay, grayish brown, damp, no odor
17							
18	3					18.5' ▼	
19				PVC cap at bottom of well casing			
20							

Bottom of Boring at 20 feet

SOIL BORING LOG KEY

Apex Companies, LLC
1701 East Woodfield Road
Suite 333
Schaumburg, IL 60173
(847) 956-8589



FILL
GRAVEL
SAND AND GRAVEL
SAND
CLAYEY SAND
SILTY SAND
SANDY SILT
SILT
CLAYEY SILT
SILTY CLAY
CLAY
LOAM / PEAT
TOPSOIL
ASPHALT
SANDY CLAY
CONCRETE
ENGINEERED BACKFILL / CRUSHED DOLOSTONE
Clayey Fill
Brick

APPENDIX C

Sub-Slab Soil Gas Sample Logs

SUB-SLAB SOIL GAS SAMPLE LOG

Project Name: Bright Cleaners - Franklin Centre
Project Number: PECO_2016-78
Vapor Point Installation Date: August 31, 2016
Project Address: 7249 South 76th Street
Sub-Slab Sample Date: August 31, 2016
Franklin, Wisconsin

SAMPLING INFORMATION

Soil Gas Implant Purge Air: 0 (Stabilized PID Reading (PPM)) 3 (Volume (liters))
Sample Start Time: August 31, 2016 (DATE) 12:28 (TIME)
Leak Test Method: Shut-in Test (Sample Train) Water Dam (Soil Gas Implant)
Sample End Time: August 31, 2016 (DATE) 12:58 (TIME)
Shut-in Test: -20 (Max. Vacuum (inches Hg)) 30 (Test Duration (seconds))
Initial Canister Vacuum: -35 (Inches Hg) 12:28 (TIME)
Leak Test Notes: No loss (Shut-in Test)
Final Canister Vacuum: -15 (Inches Hg) 12:58 (TIME)
No loss (Water Dam)
Sample Delivery: August 31, 2016 (DATE) 16:45 (TIME)
Sample Container Details: 6 (Volume (liters)) 30 (Flow Controler (minutes))
Delivery Method (FedEx, courier, etc.): Delivered in person

METEOROLOGICAL CONDITIONS FOR SAMPLING DAY

Ambient Temperature (°F): 64 (Low) 74 (High)
Sea Level Pressure (Inches) 30.08
Average Wind: North-northeast (Direction) 11 (Velocity (mph))
Average Humidity (%): 67

ADDITIONAL DETAILS

Other details for tenant space (e.g. recent construction/renovation, cleaning activities, chemical storage, slab/foundation cracks, HVAC status etc.):

Sample was collected north of the dry cleaning plant.

Problems or inconsistancies encountered during sampling:

Not applicable

* Include a site sketch on separate sheet noting sample locations (with measurements), chemical storage areas, former operations areas, etc.

Sample Number: SV-1
Analyses: VOCs by EPA Sample Method TO-15
SUMMA ID Number: 4723 (60319)
Requested Turnaround Time: 1 Week TAT
Regulator ID Number: B-07
Sample Crew: Joe Becker

SUB-SLAB SOIL GAS SAMPLE LOG

Project Name: Bright Cleaners - Franklin Centre
Project Number: PECO_2016-78
Vapor Point Installation Date: August 31, 2016
Project Address: 7249 South 76th Street
Sub-Slab Sample Date: August 31, 2016
Franklin, Wisconsin

SAMPLING INFORMATION

Soil Gas Implant Purge Air: 0 (Stabilized PID Reading (PPM)) 3 (Volume (liters))
Sample Start Time: August 31, 2016 (DATE) 12:32 (TIME)
Leak Test Method: Shut-in Test (Sample Train) Water Dam (Soil Gas Implant)
Sample End Time: August 31, 2016 (DATE) 13:02 (TIME)
Shut-in Test: -18 (Max. Vacuum (inches Hg)) 30 (Test Duration (seconds))
Initial Canister Vacuum: -30 (Inches Hg) 12:32 (TIME)
Leak Test Notes: No loss (Shut-in Test)
Final Canister Vacuum: -7 1/2 (Inches Hg) 13:02 (TIME)
No loss (Water Dam)
Sample Delivery: August 31, 2016 (DATE) 16:45 (TIME)
Sample Container Details: 6 (Volume (liters)) 30 (Flow Controler (minutes))
Delivery Method (FedEx, courier, etc.): Delivered in person

METEOROLOGICAL CONDITIONS FOR SAMPLING DAY

Ambient Temperature (°F): 64 (Low) 74 (High)
Sea Level Pressure (Inches) 30.08
Average Wind: North-northeast (Direction) 11 (Velocity (mph))
Average Humidity (%): 67

ADDITIONAL DETAILS

Other details for tenant space (e.g. recent construction/renovation, cleaning activities, chemical storage, slab/foundation cracks, HVAC status etc.):

Sample was collected next to the dry cleaning plant.

Problems or inconsistancies encountered during sampling:

Not applicable

* Include a site sketch on separate sheet noting sample locations (with measurements), chemical storage areas, former operations areas, etc.

Sample Number: SV-2
Analyses: VOCs by EPA Sample Method TO-15
SUMMA ID Number: 6054 (60339)
Requested Turnaround Time: 1 Week TAT
Regulator ID Number: B-03
Sample Crew: Joe Becker

SUB-SLAB SOIL GAS SAMPLE LOG

Project Name: Bright Cleaners - Franklin Centre
Project Number: PECO_2016-78
Vapor Point Installation Date: August 31, 2016
Project Address: 7249 South 76th Street
Sub-Slab Sample Date: August 31, 2016
Franklin, Wisconsin

SAMPLING INFORMATION

Soil Gas Implant Purge Air: 0 (Stabilized PID Reading (PPM)) 3 (Volume (liters))
Sample Start Time: August 31, 2016 (DATE) 12:34 (TIME)
Leak Test Method: Shut-in Test (Sample Train) Water Dam (Soil Gas Implant)
Sample End Time: August 31, 2016 (DATE) 13:04 (TIME)
Shut-in Test: -16 (Max. Vacuum (inches Hg)) 30 (Test Duration (seconds))
Initial Canister Vacuum: -32 (Inches Hg) 12:34 (TIME)
Leak Test Notes: No loss (Shut-in Test)
Final Canister Vacuum: -14 (Inches Hg) 13:04 (TIME)
No loss (Water Dam)
Sample Delivery: August 31, 2016 (DATE) 16:45 (TIME)
Sample Container Details: 6 (Volume (liters)) 30 (Flow Controler (minutes))
Delivery Method (FedEx, courier, etc.): Delivered in person

METEOROLOGICAL CONDITIONS FOR SAMPLING DAY

Ambient Temperature (°F): 64 (Low) 74 (High)
Sea Level Pressure (Inches) 30.08
Average Wind: North-northeast (Direction) 11 (Velocity (mph))
Average Humidity (%): 67

ADDITIONAL DETAILS

Other details for tenant space (e.g. recent construction/renovation, cleaning activities, chemical storage, slab/foundation cracks, HVAC status etc.):

Sample was collected south of the dry cleaning plant near the rear door.

Problems or inconsistancies encountered during sampling:

Not applicable

* Include a site sketch on separate sheet noting sample locations (with measurements), chemical storage areas, former operations areas, etc.

Sample Number: SV-3
Analyses: VOCs by EPA Sample Method TO-15
SUMMA ID Number: 2469 (60268)
Requested Turnaround Time: 1 Week TAT
Regulator ID Number: B-23
Sample Crew: Joe Becker

APPENDIX D

Laboratory Report

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

September 09, 2016

Apex Companies, LLC
1701 East Woodfield Rd, Suite 333
Schaumburg, IL 60173
Telephone: (847) 956-8589
Fax: (847) 956-8619

Analytical Report for STAT Work Order: 16081298 Revision 0

RE: PECO-216-78, Bright Cleaners-Franklin Centre, 7249 S. 76th St., Franklin

Dear Joseph Becker:

STAT Analysis received 8 samples for the referenced project on 8/31/2016 4:45:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements specifed in WAC DNR Chapter NR 149 (Certification Number 399099910). Analyses were performed in accordance with methods as referenced on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. A listing of accredited methods/parameters can also be provided.

For sample results requiring adjustment for dilutions, the detection and reporting limits are adjusted for the corresponding dilution factor. Analytical results expressed on a dry weight basis have units of mg/Kg-dry or µg/Kg-dry on the analytical report. Corresponding reporting limits are adjusted for dry weight.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Craig Chawla
Project Manager

STAT Analysis Corporation

Date: September 09, 2016

Client: Apex Companies, LLC
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Work Order: 16081298 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
16081298-001A	TW-1 @ 14'		8/31/2016 10:00:00 AM	8/31/2016
16081298-001B	TW-1 @ 14'		8/31/2016 10:00:00 AM	8/31/2016
16081298-002A	TW-2 @ 11'		8/31/2016 10:30:00 AM	8/31/2016
16081298-002B	TW-2 @ 11'		8/31/2016 10:30:00 AM	8/31/2016
16081298-003A	TW-3 @ 12'		8/31/2016 11:00:00 AM	8/31/2016
16081298-003B	TW-3 @ 12'		8/31/2016 11:00:00 AM	8/31/2016
16081298-004A	TW-1		8/31/2016 11:15:00 AM	8/31/2016
16081298-005A	TW-3		8/31/2016 12:40:00 PM	8/31/2016
16081298-006A	SV-1		8/31/2016 12:28:00 PM	8/31/2016
16081298-007A	SV-2		8/31/2016 12:32:00 PM	8/31/2016
16081298-008A	SV-3		8/31/2016 12:34:00 PM	8/31/2016

CLIENT: Apex Companies, LLC
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249 S. 76t
Work Order: 16081298 Revision 0

CASE NARRATIVE

TO-15 results that are reported in mg/m³ are calculated based on a temperature of 25°C, atmospheric pressure of 760 mm Hg, and the molecular weight of the analyte.

The TO-15 LCS analyzed 09/06/2016 had the following outside of control limits:
1,2,4-Trimethylbenzene: 133.6% (LCS) recovery (QC Limits 70-130%)
1,3-Dichlorobenzene: 131.2% (LCS) recovery (QC Limits 70-130%)
Ethylbenzene: 134.8% (LCS) recovery (QC Limits 70-130%)
Naphthalene: 138.8% (LCS) recovery (QC Limits 70-130%)
Total Xylenes: 132.5% (LCS) recovery (QC Limits 70-130%)

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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-001

Client Sample ID: TW-1 @ 14'
Collection Date: 8/31/2016 10:00:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **8/31/2016**			Analyst: **PS**
Acetone	0.029	0.073	0.0022	JB	mg/Kg-dry	1	9/2/2016
Benzene	0.0018	0.0049	0.00019	J	mg/Kg-dry	1	9/2/2016
Bromodichloromethane	ND	0.0049	0.00039		mg/Kg-dry	1	9/2/2016
Bromoform	ND	0.0049	0.00039		mg/Kg-dry	1	9/2/2016
Bromomethane	ND	0.0097	0.00049		mg/Kg-dry	1	9/2/2016
2-Butanone	ND	0.073	0.0015		mg/Kg-dry	1	9/2/2016
Carbon disulfide	0.00019	0.049	0.00019	J	mg/Kg-dry	1	9/2/2016
Carbon tetrachloride	ND	0.0049	0.00029		mg/Kg-dry	1	9/2/2016
Chlorobenzene	ND	0.0049	0.00019		mg/Kg-dry	1	9/2/2016
Chloroethane	ND	0.0097	0.00039		mg/Kg-dry	1	9/2/2016
Chloroform	ND	0.0049	0.00019		mg/Kg-dry	1	9/2/2016
Chloromethane	ND	0.0097	0.00029		mg/Kg-dry	1	9/2/2016
Dibromochloromethane	ND	0.0049	0.00039		mg/Kg-dry	1	9/2/2016
1,1-Dichloroethane	ND	0.0049	0.00029		mg/Kg-dry	1	9/2/2016
1,2-Dichloroethane	ND	0.0049	0.00058		mg/Kg-dry	1	9/2/2016
1,1-Dichloroethene	ND	0.0049	0.00029		mg/Kg-dry	1	9/2/2016
cis-1,2-Dichloroethene	ND	0.0049	0.00029		mg/Kg-dry	1	9/2/2016
trans-1,2-Dichloroethene	ND	0.0049	0.00029		mg/Kg-dry	1	9/2/2016
1,2-Dichloropropane	ND	0.0049	0.00039		mg/Kg-dry	1	9/2/2016
cis-1,3-Dichloropropene	ND	0.0019	0.00019		mg/Kg-dry	1	9/2/2016
trans-1,3-Dichloropropene	ND	0.0019	0.00029		mg/Kg-dry	1	9/2/2016
Ethylbenzene	0.00026	0.0049	0.000097	J	mg/Kg-dry	1	9/2/2016
2-Hexanone	ND	0.019	0.00078		mg/Kg-dry	1	9/2/2016
4-Methyl-2-pentanone	ND	0.019	0.00029		mg/Kg-dry	1	9/2/2016
Methylene chloride	0.0019	0.0097	0.00078	JB	mg/Kg-dry	1	9/2/2016
Methyl tert-butyl ether	ND	0.0049	0.00019		mg/Kg-dry	1	9/2/2016
Styrene	ND	0.0049	0.00019		mg/Kg-dry	1	9/2/2016
1,1,2,2-Tetrachloroethane	ND	0.0049	0.00019		mg/Kg-dry	1	9/2/2016
Tetrachloroethene	ND	0.0049	0.00029		mg/Kg-dry	1	9/2/2016
Toluene	0.0017	0.0049	0.00019	J	mg/Kg-dry	1	9/2/2016
1,1,1-Trichloroethane	ND	0.0049	0.00019		mg/Kg-dry	1	9/2/2016
1,1,2-Trichloroethane	ND	0.0049	0.00049		mg/Kg-dry	1	9/2/2016
Trichloroethene	ND	0.0049	0.00019		mg/Kg-dry	1	9/2/2016
Vinyl chloride	ND	0.0049	0.00039		mg/Kg-dry	1	9/2/2016
Xylenes, Total	ND	0.015	0.00039		mg/Kg-dry	1	9/2/2016
Percent Moisture		**D2974**		Prep Date: **9/1/2016**			Analyst: **GH**
Percent Moisture	13.5	0.2	0.1	*	wt%	1	9/2/2016

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below reporting limit
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL/MDL - Reporting Limit / Method Detection Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-002

Client Sample ID: TW-2 @ 11'
Collection Date: 8/31/2016 10:30:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **8/31/2016**		Analyst: **JNM**	
Acetone	ND	0.053	0.0016		mg/Kg-dry	1	9/6/2016
Benzene	0.00044	0.0035	0.00014	J	mg/Kg-dry	1	9/6/2016
Bromodichloromethane	ND	0.0035	0.00028		mg/Kg-dry	1	9/6/2016
Bromoform	ND	0.0035	0.00028		mg/Kg-dry	1	9/6/2016
Bromomethane	ND	0.0070	0.00035		mg/Kg-dry	1	9/6/2016
2-Butanone	ND	0.053	0.0011		mg/Kg-dry	1	9/6/2016
Carbon disulfide	0.00051	0.035	0.00014	J	mg/Kg-dry	1	9/6/2016
Carbon tetrachloride	ND	0.0035	0.00021		mg/Kg-dry	1	9/6/2016
Chlorobenzene	ND	0.0035	0.00014		mg/Kg-dry	1	9/6/2016
Chloroethane	ND	0.0070	0.00028		mg/Kg-dry	1	9/6/2016
Chloroform	ND	0.0035	0.00014		mg/Kg-dry	1	9/6/2016
Chloromethane	ND	0.0070	0.00021		mg/Kg-dry	1	9/6/2016
Dibromochloromethane	ND	0.0035	0.00028		mg/Kg-dry	1	9/6/2016
1,1-Dichloroethane	ND	0.0035	0.00021		mg/Kg-dry	1	9/6/2016
1,2-Dichloroethane	ND	0.0035	0.00042		mg/Kg-dry	1	9/6/2016
1,1-Dichloroethene	ND	0.0035	0.00021		mg/Kg-dry	1	9/6/2016
cis-1,2-Dichloroethene	ND	0.0035	0.00021		mg/Kg-dry	1	9/6/2016
trans-1,2-Dichloroethene	ND	0.0035	0.00021		mg/Kg-dry	1	9/6/2016
1,2-Dichloropropane	ND	0.0035	0.00028		mg/Kg-dry	1	9/6/2016
cis-1,3-Dichloropropene	ND	0.0014	0.00014		mg/Kg-dry	1	9/6/2016
trans-1,3-Dichloropropene	ND	0.0014	0.00021		mg/Kg-dry	1	9/6/2016
Ethylbenzene	ND	0.0035	0.00007		mg/Kg-dry	1	9/6/2016
2-Hexanone	ND	0.014	0.00056		mg/Kg-dry	1	9/6/2016
4-Methyl-2-pentanone	ND	0.014	0.00021		mg/Kg-dry	1	9/6/2016
Methylene chloride	ND	0.0070	0.00056		mg/Kg-dry	1	9/6/2016
Methyl tert-butyl ether	ND	0.0035	0.00014		mg/Kg-dry	1	9/6/2016
Styrene	ND	0.0035	0.00014		mg/Kg-dry	1	9/6/2016
1,1,2,2-Tetrachloroethane	ND	0.0035	0.00014		mg/Kg-dry	1	9/6/2016
Tetrachloroethene	ND	0.0035	0.00021		mg/Kg-dry	1	9/6/2016
Toluene	0.00046	0.0035	0.00014	J	mg/Kg-dry	1	9/6/2016
1,1,1-Trichloroethane	ND	0.0035	0.00014		mg/Kg-dry	1	9/6/2016
1,1,2-Trichloroethane	ND	0.0035	0.00035		mg/Kg-dry	1	9/6/2016
Trichloroethene	ND	0.0035	0.00014		mg/Kg-dry	1	9/6/2016
Vinyl chloride	ND	0.0035	0.00028		mg/Kg-dry	1	9/6/2016
Xylenes, Total	ND	0.011	0.00028		mg/Kg-dry	1	9/6/2016
Percent Moisture		**D2974**		Prep Date: **9/1/2016**		Analyst: **GH**	
Percent Moisture	6.7	0.2	0.1	*	wt%	1	9/2/2016

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below reporting limit
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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E - Value above quantitation range
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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-003

Client Sample ID: TW-3 @ 12'
Collection Date: 8/31/2016 11:00:00 AM
Matrix: SOIL

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **8/31/2016**		Analyst: **JNM**	
Acetone	ND	0.058	0.0018		mg/Kg-dry	1	9/6/2016
Benzene	0.00045	0.0039	0.00015	J	mg/Kg-dry	1	9/6/2016
Bromodichloromethane	ND	0.0039	0.00031		mg/Kg-dry	1	9/6/2016
Bromoform	ND	0.0039	0.00031		mg/Kg-dry	1	9/6/2016
Bromomethane	ND	0.0077	0.00039		mg/Kg-dry	1	9/6/2016
2-Butanone	ND	0.058	0.0012		mg/Kg-dry	1	9/6/2016
Carbon disulfide	ND	0.039	0.00015		mg/Kg-dry	1	9/6/2016
Carbon tetrachloride	ND	0.0039	0.00023		mg/Kg-dry	1	9/6/2016
Chlorobenzene	ND	0.0039	0.00015		mg/Kg-dry	1	9/6/2016
Chloroethane	ND	0.0077	0.00031		mg/Kg-dry	1	9/6/2016
Chloroform	ND	0.0039	0.00015		mg/Kg-dry	1	9/6/2016
Chloromethane	ND	0.0077	0.00023		mg/Kg-dry	1	9/6/2016
Dibromochloromethane	ND	0.0039	0.00031		mg/Kg-dry	1	9/6/2016
1,1-Dichloroethane	ND	0.0039	0.00023		mg/Kg-dry	1	9/6/2016
1,2-Dichloroethane	ND	0.0039	0.00046		mg/Kg-dry	1	9/6/2016
1,1-Dichloroethene	ND	0.0039	0.00023		mg/Kg-dry	1	9/6/2016
cis-1,2-Dichloroethene	ND	0.0039	0.00023		mg/Kg-dry	1	9/6/2016
trans-1,2-Dichloroethene	ND	0.0039	0.00023		mg/Kg-dry	1	9/6/2016
1,2-Dichloropropane	ND	0.0039	0.00031		mg/Kg-dry	1	9/6/2016
cis-1,3-Dichloropropene	ND	0.0015	0.00015		mg/Kg-dry	1	9/6/2016
trans-1,3-Dichloropropene	ND	0.0015	0.00023		mg/Kg-dry	1	9/6/2016
Ethylbenzene	ND	0.0039	0.000077		mg/Kg-dry	1	9/6/2016
2-Hexanone	ND	0.015	0.00062		mg/Kg-dry	1	9/6/2016
4-Methyl-2-pentanone	ND	0.015	0.00023		mg/Kg-dry	1	9/6/2016
Methylene chloride	ND	0.0077	0.00062		mg/Kg-dry	1	9/6/2016
Methyl tert-butyl ether	ND	0.0039	0.00015		mg/Kg-dry	1	9/6/2016
Styrene	ND	0.0039	0.00015		mg/Kg-dry	1	9/6/2016
1,1,2,2-Tetrachloroethane	ND	0.0039	0.00015		mg/Kg-dry	1	9/6/2016
Tetrachloroethene	ND	0.0039	0.00023		mg/Kg-dry	1	9/6/2016
Toluene	0.00041	0.0039	0.00015	J	mg/Kg-dry	1	9/6/2016
1,1,1-Trichloroethane	ND	0.0039	0.00015		mg/Kg-dry	1	9/6/2016
1,1,2-Trichloroethane	ND	0.0039	0.00039		mg/Kg-dry	1	9/6/2016
Trichloroethene	ND	0.0039	0.00015		mg/Kg-dry	1	9/6/2016
Vinyl chloride	ND	0.0039	0.00031		mg/Kg-dry	1	9/6/2016
Xylenes, Total	ND	0.012	0.00031		mg/Kg-dry	1	9/6/2016
Percent Moisture		**D2974**		Prep Date: **9/1/2016**		Analyst: **GH**	
Percent Moisture	11.1	0.2	0.1	*	wt%	1	9/2/2016

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below reporting limit
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-004

Client Sample ID: TW-1
Collection Date: 8/31/2016 11:15:00 AM
Matrix: AQUEOUS

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW8260B (SW5030B)**		Prep Date:			Analyst: **RRS**
Acetone	ND	0.020	0.0031		mg/L	1	9/1/2016
Benzene	ND	0.00050	0.0002		mg/L	1	9/1/2016
Bromodichloromethane	ND	0.00050	0.0002		mg/L	1	9/1/2016
Bromoform	ND	0.0010	0.0003		mg/L	1	9/1/2016
Bromomethane	ND	0.0050	0.002		mg/L	1	9/1/2016
2-Butanone	ND	0.010	0.0016		mg/L	1	9/1/2016
Carbon disulfide	ND	0.0050	0.0003		mg/L	1	9/1/2016
Carbon tetrachloride	ND	0.00050	0.001		mg/L	1	9/1/2016
Chlorobenzene	ND	0.00050	0.0002		mg/L	1	9/1/2016
Chloroethane	ND	0.0050	0.0005		mg/L	1	9/1/2016
Chloroform	ND	0.00050	0.0001		mg/L	1	9/1/2016
Chloromethane	ND	0.0050	0.0003		mg/L	1	9/1/2016
Dibromochloromethane	ND	0.00050	0.0002		mg/L	1	9/1/2016
1,1-Dichloroethane	ND	0.00050	0.0002		mg/L	1	9/1/2016
1,2-Dichloroethane	ND	0.0010	0.0002		mg/L	1	9/1/2016
1,1-Dichloroethene	ND	0.0010	0.0004		mg/L	1	9/1/2016
cis-1,2-Dichloroethene	ND	0.0010	0.0002		mg/L	1	9/1/2016
trans-1,2-Dichloroethene	ND	0.0010	0.0005		mg/L	1	9/1/2016
1,2-Dichloropropane	ND	0.0010	0.0001		mg/L	1	9/1/2016
cis-1,3-Dichloropropene	ND	0.0010	0.0002		mg/L	1	9/1/2016
trans-1,3-Dichloropropene	ND	0.0010	0.0001		mg/L	1	9/1/2016
Ethylbenzene	ND	0.00050	0.0003		mg/L	1	9/1/2016
2-Hexanone	ND	0.010	0.0002		mg/L	1	9/1/2016
4-Methyl-2-pentanone	ND	0.010	0.0007		mg/L	1	9/1/2016
Methylene chloride	ND	0.0050	0.0002		mg/L	1	9/1/2016
Methyl tert-butyl ether	ND	0.00050	0.0003		mg/L	1	9/1/2016
Styrene	ND	0.0010	0.0003		mg/L	1	9/1/2016
1,1,2,2-Tetrachloroethane	ND	0.00050	0.0001		mg/L	1	9/1/2016
Tetrachloroethene	ND	0.0010	0.0003		mg/L	1	9/1/2016
Toluene	ND	0.00050	0.0004		mg/L	1	9/1/2016
1,1,1-Trichloroethane	ND	0.0010	0.0002		mg/L	1	9/1/2016
1,1,2-Trichloroethane	ND	0.00050	0.0001		mg/L	1	9/1/2016
Trichloroethene	ND	0.0010	0.0003		mg/L	1	9/1/2016
Vinyl chloride	ND	0.0010	0.0003		mg/L	1	9/1/2016
Xylenes, Total	ND	0.0030	0.001		mg/L	1	9/1/2016

Qualifiers:
ND - Not Detected at the Reporting Limit
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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-005

Client Sample ID: TW-3
Collection Date: 8/31/2016 12:40:00 PM
Matrix: AQUEOUS

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW8260B (SW5030B)**		Prep Date:			Analyst: **RRS**
Acetone	0.012	0.020	0.0031	J	mg/L	1	9/1/2016
Benzene	0.00024	0.00050	0.0002	J	mg/L	1	9/1/2016
Bromodichloromethane	ND	0.00050	0.0002		mg/L	1	9/1/2016
Bromoform	ND	0.0010	0.0003		mg/L	1	9/1/2016
Bromomethane	ND	0.0050	0.002		mg/L	1	9/1/2016
2-Butanone	ND	0.010	0.0016		mg/L	1	9/1/2016
Carbon disulfide	0.00034	0.0050	0.0003	J	mg/L	1	9/1/2016
Carbon tetrachloride	ND	0.00050	0.001		mg/L	1	9/1/2016
Chlorobenzene	ND	0.00050	0.0002		mg/L	1	9/1/2016
Chloroethane	ND	0.0050	0.0005		mg/L	1	9/1/2016
Chloroform	ND	0.00050	0.0001		mg/L	1	9/1/2016
Chloromethane	ND	0.0050	0.0003		mg/L	1	9/1/2016
Dibromochloromethane	ND	0.00050	0.0002		mg/L	1	9/1/2016
1,1-Dichloroethane	ND	0.00050	0.0002		mg/L	1	9/1/2016
1,2-Dichloroethane	ND	0.0010	0.0002		mg/L	1	9/1/2016
1,1-Dichloroethene	ND	0.0010	0.0004		mg/L	1	9/1/2016
cis-1,2-Dichloroethene	ND	0.0010	0.0002		mg/L	1	9/1/2016
trans-1,2-Dichloroethene	ND	0.0010	0.0005		mg/L	1	9/1/2016
1,2-Dichloropropane	ND	0.0010	0.0001		mg/L	1	9/1/2016
cis-1,3-Dichloropropene	ND	0.0010	0.0002		mg/L	1	9/1/2016
trans-1,3-Dichloropropene	ND	0.0010	0.0001		mg/L	1	9/1/2016
Ethylbenzene	ND	0.00050	0.0003		mg/L	1	9/1/2016
2-Hexanone	ND	0.010	0.0002		mg/L	1	9/1/2016
4-Methyl-2-pentanone	ND	0.010	0.0007		mg/L	1	9/1/2016
Methylene chloride	ND	0.0050	0.0002		mg/L	1	9/1/2016
Methyl tert-butyl ether	ND	0.00050	0.0003		mg/L	1	9/1/2016
Styrene	ND	0.0010	0.0003		mg/L	1	9/1/2016
1,1,2,2-Tetrachloroethane	ND	0.00050	0.0001		mg/L	1	9/1/2016
Tetrachloroethene	ND	0.0010	0.0003		mg/L	1	9/1/2016
Toluene	ND	0.00050	0.0004		mg/L	1	9/1/2016
1,1,1-Trichloroethane	ND	0.0010	0.0002		mg/L	1	9/1/2016
1,1,2-Trichloroethane	ND	0.00050	0.0001		mg/L	1	9/1/2016
Trichloroethene	ND	0.0010	0.0003		mg/L	1	9/1/2016
Vinyl chloride	ND	0.0010	0.0003		mg/L	1	9/1/2016
Xylenes, Total	ND	0.0030	0.001		mg/L	1	9/1/2016

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below reporting limit
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-006

Client Sample ID: SV-1
Collection Date: 8/31/2016 12:28:00 PM
Matrix: AIR

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS **TO-15**				Prep Date: **9/2/2016**		Analyst: **NLM**	
1,1,1-Trichloroethane	ND	0.46	0.024		ppbv	1	9/6/2016
1,1,2,2-Tetrachloroethane	ND	0.46	0.032		ppbv	1	9/6/2016
1,1,2-Trichloroethane	ND	0.46	0.045		ppbv	1	9/6/2016
1,1-Dichloroethane	ND	0.46	0.022		ppbv	1	9/6/2016
1,1-Dichloroethene	ND	0.46	0.029		ppbv	1	9/6/2016
1,2,4-Trichlorobenzene	0.25	0.46	0.1	J	ppbv	1	9/6/2016
1,2,4-Trimethylbenzene	1.0	0.46	0.042		ppbv	1	9/6/2016
1,2-Dibromoethane	ND	0.46	0.052		ppbv	1	9/6/2016
1,2-Dichlorobenzene	0.069	0.46	0.038	J	ppbv	1	9/6/2016
1,2-Dichloroethane	ND	0.46	0.053		ppbv	1	9/6/2016
1,2-Dichloropropane	ND	0.46	0.032		ppbv	1	9/6/2016
1,3,5-Trimethylbenzene	0.28	0.46	0.032	J	ppbv	1	9/6/2016
1,3-Butadiene	ND	0.46	0.059		ppbv	1	9/6/2016
1,3-Dichlorobenzene	0.32	0.46	0.039	J	ppbv	1	9/6/2016
1,4-Dichlorobenzene	ND	0.46	0.049		ppbv	1	9/6/2016
1,4-Dioxane	ND	1.2	0.13		ppbv	1	9/6/2016
2-Butanone	2.3	1.2	0.11		ppbv	1	9/6/2016
2-Hexanone	0.76	2.3	0.13	J	ppbv	1	9/6/2016
4-Ethyltoluene	0.28	0.46	0.048	J	ppbv	1	9/6/2016
4-Methyl-2-pentanone	3.0	2.3	0.069		ppbv	1	9/6/2016
Acetone	34	4.6	0.16	*	ppbv	1	9/6/2016
Benzene	0.92	0.46	0.033		ppbv	1	9/6/2016
Benzyl chloride	ND	1.2	0.46		ppbv	1	9/6/2016
Bromodichloromethane	ND	0.46	0.032		ppbv	1	9/6/2016
Bromoform	ND	1.2	0.024		ppbv	1	9/6/2016
Bromomethane	0.14	1.2	0.054	J	ppbv	1	9/6/2016
Carbon disulfide	0.16	0.46	0.12	J	ppbv	1	9/6/2016
Carbon tetrachloride	ND	0.46	0.064		ppbv	1	9/6/2016
Chlorobenzene	ND	0.46	0.029		ppbv	1	9/6/2016
Chloroethane	ND	0.46	0.46		ppbv	1	9/6/2016
Chloroform	0.046	0.46	0.025	J	ppbv	1	9/6/2016
Chloromethane	ND	1.2	0.11		ppbv	1	9/6/2016
cis-1,2-Dichloroethene	0.44	0.46	0.034	J	ppbv	1	9/6/2016
cis-1,3-Dichloropropene	ND	0.46	0.054		ppbv	1	9/6/2016
Cyclohexane	0.71	0.46	0.098		ppbv	1	9/6/2016
Dibromochloromethane	ND	0.46	0.037		ppbv	1	9/6/2016
Dichlorodifluoromethane	0.46	0.46	0.015		ppbv	1	9/6/2016
Ethyl acetate	ND	1.2	0.092		ppbv	1	9/6/2016

Qualifiers:
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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-006

Client Sample ID: SV-1
Collection Date: 8/31/2016 12:28:00 PM
Matrix: AIR

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS **TO-15**				Prep Date: **9/2/2016**		Analyst: **NLM**	
Ethylbenzene	0.90	0.46	0.036		ppbv	1	9/6/2016
Freon-113	ND	0.46	0.017		ppbv	1	9/6/2016
Freon-114	ND	2.3	0.066		ppbv	1	9/6/2016
Heptane	1.3	0.46	0.045		ppbv	1	9/6/2016
Hexachlorobutadiene	0.069	0.46	0.052	J	ppbv	1	9/6/2016
Hexane	1.8	1.2	0.032		ppbv	1	9/6/2016
Isopropyl Alcohol	130	58	4.5		ppbv	25	9/7/2016
m,p-Xylene	2.0	0.92	0.068		ppbv	1	9/6/2016
Methyl tert-butyl ether	0.069	0.46	0.038	J	ppbv	1	9/6/2016
Methylene chloride	0.28	4.6	0.25	J	ppbv	1	9/6/2016
Naphthalene	0.53	0.46	0.13		ppbv	1	9/6/2016
o-Xylene	0.83	0.46	0.029		ppbv	1	9/6/2016
Propene	3.7	4.6	0.46	J	ppbv	1	9/6/2016
Styrene	0.18	0.46	0.049	J	ppbv	1	9/6/2016
Tetrachloroethene	1800	12	0.83		ppbv	25	9/7/2016
Tetrahydrofuran	2.8	1.2	0.1		ppbv	1	9/6/2016
Toluene	22	0.46	0.052		ppbv	1	9/6/2016
trans-1,2-Dichloroethene	ND	0.46	0.032		ppbv	1	9/6/2016
trans-1,3-Dichloropropene	ND	0.46	0.063		ppbv	1	9/6/2016
Trichloroethene	4.0	0.46	0.035		ppbv	1	9/6/2016
Trichlorofluoromethane	0.28	0.46	0.029	J	ppbv	1	9/6/2016
Vinyl acetate	ND	4.6	0.062		ppbv	1	9/6/2016
Vinyl chloride	ND	0.46	0.039		ppbv	1	9/6/2016
Xylenes, Total	2.9	1.4	0.096		ppbv	1	9/6/2016
Volatile Organic Compounds in Air by GC/MS **TO-15**				Prep Date: **9/2/2016**		Analyst: **NLM**	
1,1,1-Trichloroethane	ND	0.0025	0.00013		mg/m³	1	9/6/2016
1,1,2,2-Tetrachloroethane	ND	0.0032	0.00022		mg/m³	1	9/6/2016
1,1,2-Trichloroethane	ND	0.0025	0.00024		mg/m³	1	9/6/2016
1,1-Dichloroethane	ND	0.0019	0.00009		mg/m³	1	9/6/2016
1,1-Dichloroethene	ND	0.0018	0.00012		mg/m³	1	9/6/2016
1,2,4-Trichlorobenzene	0.0019	0.0034	0.00076	J	mg/m³	1	9/6/2016
1,2,4-Trimethylbenzene	0.0051	0.0023	0.00021		mg/m³	1	9/6/2016
1,2-Dibromoethane	ND	0.0035	0.0004		mg/m³	1	9/6/2016
1,2-Dichlorobenzene	0.00042	0.0028	0.00023	J	mg/m³	1	9/6/2016
1,2-Dichloroethane	ND	0.0019	0.00021		mg/m³	1	9/6/2016
1,2-Dichloropropane	ND	0.0021	0.00015		mg/m³	1	9/6/2016
1,3,5-Trimethylbenzene	0.0014	0.0023	0.00016	J	mg/m³	1	9/6/2016
1,3-Butadiene	ND	0.0010	0.00013		mg/m³	1	9/6/2016

Qualifiers:
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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-006

Client Sample ID: SV-1
Collection Date: 8/31/2016 12:28:00 PM
Matrix: AIR

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS **TO-15**				Prep Date: **9/2/2016**		Analyst: **NLM**	
1,3-Dichlorobenzene	0.0019	0.0028	0.00023	J	mg/m³	1	9/6/2016
1,4-Dichlorobenzene	ND	0.0028	0.00029		mg/m³	1	9/6/2016
1,4-Dioxane	ND	0.0041	0.00048		mg/m³	1	9/6/2016
2-Butanone	0.0067	0.0034	0.00031		mg/m³	1	9/6/2016
2-Hexanone	0.0031	0.0094	0.00051	J	mg/m³	1	9/6/2016
4-Ethyltoluene	0.0014	0.0023	0.00024	J	mg/m³	1	9/6/2016
4-Methyl-2-pentanone	0.012	0.0094	0.00028		mg/m³	1	9/6/2016
Acetone	0.082	0.011	0.00039	*	mg/m³	1	9/6/2016
Benzene	0.0029	0.0015	0.00011		mg/m³	1	9/6/2016
Benzyl chloride	ND	0.0060	0.0024		mg/m³	1	9/6/2016
Bromodichloromethane	ND	0.0031	0.00021		mg/m³	1	9/6/2016
Bromoform	ND	0.012	0.00025		mg/m³	1	9/6/2016
Bromomethane	0.00054	0.0045	0.00021	J	mg/m³	1	9/6/2016
Carbon disulfide	0.00050	0.0014	0.00036	J	mg/m³	1	9/6/2016
Carbon tetrachloride	ND	0.0029	0.00041		mg/m³	1	9/6/2016
Chlorobenzene	ND	0.0021	0.00013		mg/m³	1	9/6/2016
Chloroethane	ND	0.0012	0.0012		mg/m³	1	9/6/2016
Chloroform	0.00022	0.0022	0.00012	J	mg/m³	1	9/6/2016
Chloromethane	ND	0.0024	0.00024		mg/m³	1	9/6/2016
cis-1,2-Dichloroethene	0.0017	0.0018	0.00013	J	mg/m³	1	9/6/2016
cis-1,3-Dichloropropene	ND	0.0021	0.00025		mg/m³	1	9/6/2016
Cyclohexane	0.0025	0.0016	0.00034		mg/m³	1	9/6/2016
Dibromochloromethane	ND	0.0039	0.00032		mg/m³	1	9/6/2016
Dichlorodifluoromethane	0.0023	0.0022	0.000074		mg/m³	1	9/6/2016
Ethyl acetate	ND	0.0041	0.00033		mg/m³	1	9/6/2016
Ethylbenzene	0.0039	0.0020	0.00016		mg/m³	1	9/6/2016
Freon-113	ND	0.0035	0.00013		mg/m³	1	9/6/2016
Freon-114	ND	0.016	0.00046		mg/m³	1	9/6/2016
Heptane	0.0055	0.0019	0.00019		mg/m³	1	9/6/2016
Hexachlorobutadiene	0.00074	0.0049	0.00055	J	mg/m³	1	9/6/2016
Hexane	0.0064	0.0041	0.00011		mg/m³	1	9/6/2016
Isopropyl Alcohol	0.31	0.14	0.011		mg/m³	25	9/7/2016
m,p-Xylene	0.0088	0.0040	0.00029		mg/m³	1	9/6/2016
Methyl tert-butyl ether	0.00025	0.0017	0.00014	J	mg/m³	1	9/6/2016
Methylene chloride	0.00096	0.016	0.00086	J	mg/m³	1	9/6/2016
Naphthalene	0.0028	0.0024	0.00069		mg/m³	1	9/6/2016
o-Xylene	0.0036	0.0020	0.00013		mg/m³	1	9/6/2016
Propene	0.0063	0.0079	0.00079	J	mg/m³	1	9/6/2016

Qualifiers:
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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-006

Client Sample ID: SV-1
Collection Date: 8/31/2016 12:28:00 PM
Matrix: AIR

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS TO-15				Prep Date: **9/2/2016**			Analyst: **NLM**
Styrene	0.00078	0.0020	0.00021	J	mg/m³	1	9/6/2016
Tetrachloroethene	12	0.078	0.0056		mg/m³	25	9/7/2016
Tetrahydrofuran	0.0084	0.0034	0.00031		mg/m³	1	9/6/2016
Toluene	0.081	0.0017	0.0002		mg/m³	1	9/6/2016
trans-1,2-Dichloroethene	ND	0.0018	0.00013		mg/m³	1	9/6/2016
trans-1,3-Dichloropropene	ND	0.0021	0.00028		mg/m³	1	9/6/2016
Trichloroethene	0.022	0.0025	0.00019		mg/m³	1	9/6/2016
Trichlorofluoromethane	0.0016	0.0026	0.00016	J	mg/m³	1	9/6/2016
Vinyl acetate	ND	0.016	0.00022		mg/m³	1	9/6/2016
Vinyl chloride	ND	0.0012	0.000099		mg/m³	1	9/6/2016
Xylenes, Total	0.012	0.0060	0.00042		mg/m³	1	9/6/2016

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below reporting limit
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL/MDL - Reporting Limit / Method Detection Limit for the analysis
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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-007

Client Sample ID: SV-2
Collection Date: 8/31/2016 12:32:00 PM
Matrix: AIR

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS	**TO-15**			Prep Date: **9/2/2016**		Analyst: **NLM**	
1,1,1-Trichloroethane	ND	0.37	0.019		ppbv	1	9/6/2016
1,1,2,2-Tetrachloroethane	ND	0.37	0.026		ppbv	1	9/6/2016
1,1,2-Trichloroethane	ND	0.37	0.036		ppbv	1	9/6/2016
1,1-Dichloroethane	ND	0.37	0.018		ppbv	1	9/6/2016
1,1-Dichloroethene	ND	0.37	0.023		ppbv	1	9/6/2016
1,2,4-Trichlorobenzene	0.13	0.37	0.082	J	ppbv	1	9/6/2016
1,2,4-Trimethylbenzene	0.80	0.37	0.034		ppbv	1	9/6/2016
1,2-Dibromoethane	ND	0.37	0.042		ppbv	1	9/6/2016
1,2-Dichlorobenzene	ND	0.37	0.031		ppbv	1	9/6/2016
1,2-Dichloroethane	ND	0.37	0.043		ppbv	1	9/6/2016
1,2-Dichloropropane	ND	0.37	0.025		ppbv	1	9/6/2016
1,3,5-Trimethylbenzene	0.19	0.37	0.026	J	ppbv	1	9/6/2016
1,3-Butadiene	ND	0.37	0.048		ppbv	1	9/6/2016
1,3-Dichlorobenzene	0.19	0.37	0.031	J	ppbv	1	9/6/2016
1,4-Dichlorobenzene	ND	0.37	0.039		ppbv	1	9/6/2016
1,4-Dioxane	0.74	0.93	0.11	J	ppbv	1	9/6/2016
2-Butanone	2.6	0.93	0.085		ppbv	1	9/6/2016
2-Hexanone	0.70	1.9	0.1	J	ppbv	1	9/6/2016
4-Ethyltoluene	0.19	0.37	0.039	J	ppbv	1	9/6/2016
4-Methyl-2-pentanone	1.5	1.9	0.056	J	ppbv	1	9/6/2016
Acetone	61	3.7	0.13	*	ppbv	1	9/6/2016
Benzene	0.45	0.37	0.027		ppbv	1	9/6/2016
Benzyl chloride	ND	0.93	0.37		ppbv	1	9/6/2016
Bromodichloromethane	ND	0.37	0.025		ppbv	1	9/6/2016
Bromoform	ND	0.93	0.02		ppbv	1	9/6/2016
Bromomethane	0.13	0.93	0.043	J	ppbv	1	9/6/2016
Carbon disulfide	ND	0.37	0.093		ppbv	1	9/6/2016
Carbon tetrachloride	ND	0.37	0.052		ppbv	1	9/6/2016
Chlorobenzene	ND	0.37	0.023		ppbv	1	9/6/2016
Chloroethane	ND	0.37	0.37		ppbv	1	9/6/2016
Chloroform	0.074	0.37	0.02	J	ppbv	1	9/6/2016
Chloromethane	ND	0.93	0.092		ppbv	1	9/6/2016
cis-1,2-Dichloroethene	4.5	0.37	0.027		ppbv	1	9/6/2016
cis-1,3-Dichloropropene	ND	0.37	0.044		ppbv	1	9/6/2016
Cyclohexane	0.37	0.37	0.079		ppbv	1	9/6/2016
Dibromochloromethane	ND	0.37	0.03		ppbv	1	9/6/2016
Dichlorodifluoromethane	0.46	0.37	0.012		ppbv	1	9/6/2016
Ethyl acetate	ND	0.93	0.074		ppbv	1	9/6/2016

Qualifiers:
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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-007

Client Sample ID: SV-2
Collection Date: 8/31/2016 12:32:00 PM
Matrix: AIR

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS TO-15				Prep Date: **9/2/2016**		Analyst: **NLM**	
Ethylbenzene	0.65	0.37	0.029		ppbv	1	9/6/2016
Freon-113	0.074	0.37	0.014	J	ppbv	1	9/6/2016
Freon-114	ND	1.9	0.053		ppbv	1	9/6/2016
Heptane	0.65	0.37	0.037		ppbv	1	9/6/2016
Hexachlorobutadiene	ND	0.37	0.042		ppbv	1	9/6/2016
Hexane	0.76	0.93	0.026	J	ppbv	1	9/6/2016
Isopropyl Alcohol	43	1.9	0.15		ppbv	1	9/6/2016
m,p-Xylene	1.4	0.74	0.055		ppbv	1	9/6/2016
Methyl tert-butyl ether	0.093	0.37	0.03	J	ppbv	1	9/6/2016
Methylene chloride	ND	3.7	0.2		ppbv	1	9/6/2016
Naphthalene	0.33	0.37	0.11	J	ppbv	1	9/6/2016
o-Xylene	0.56	0.37	0.024		ppbv	1	9/6/2016
Propene	2.1	3.7	0.37	J	ppbv	1	9/6/2016
Styrene	0.074	0.37	0.039	J	ppbv	1	9/6/2016
Tetrachloroethene	6500	190	13		ppbv	500	9/7/2016
Tetrahydrofuran	1.4	0.93	0.084		ppbv	1	9/6/2016
Toluene	12	0.37	0.042		ppbv	1	9/6/2016
trans-1,2-Dichloroethene	0.037	0.37	0.025	J	ppbv	1	9/6/2016
trans-1,3-Dichloropropene	ND	0.37	0.05		ppbv	1	9/6/2016
Trichloroethene	7.6	0.37	0.028		ppbv	1	9/6/2016
Trichlorofluoromethane	0.28	0.37	0.023	J	ppbv	1	9/6/2016
Vinyl acetate	ND	3.7	0.05		ppbv	1	9/6/2016
Vinyl chloride	ND	0.37	0.031		ppbv	1	9/6/2016
Xylenes, Total	1.9	1.1	0.078		ppbv	1	9/6/2016
Volatile Organic Compounds in Air by GC/MS TO-15				Prep Date: **9/2/2016**		Analyst: **NLM**	
1,1,1-Trichloroethane	ND	0.0020	0.00011		mg/m³	1	9/6/2016
1,1,2,2-Tetrachloroethane	ND	0.0025	0.00018		mg/m³	1	9/6/2016
1,1,2-Trichloroethane	ND	0.0020	0.0002		mg/m³	1	9/6/2016
1,1-Dichloroethane	ND	0.0015	0.000073		mg/m³	1	9/6/2016
1,1-Dichloroethene	ND	0.0015	0.000093		mg/m³	1	9/6/2016
1,2,4-Trichlorobenzene	0.00096	0.0028	0.00061	J	mg/m³	1	9/6/2016
1,2,4-Trimethylbenzene	0.0039	0.0018	0.00017		mg/m³	1	9/6/2016
1,2-Dibromoethane	ND	0.0029	0.00032		mg/m³	1	9/6/2016
1,2-Dichlorobenzene	ND	0.0022	0.00019		mg/m³	1	9/6/2016
1,2-Dichloroethane	ND	0.0015	0.00017		mg/m³	1	9/6/2016
1,2-Dichloropropane	ND	0.0017	0.00012		mg/m³	1	9/6/2016
1,3,5-Trimethylbenzene	0.00091	0.0018	0.00013	J	mg/m³	1	9/6/2016
1,3-Butadiene	ND	0.00082	0.00011		mg/m³	1	9/6/2016

Qualifiers:
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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-007

Client Sample ID: SV-2
Collection Date: 8/31/2016 12:32:00 PM
Matrix: AIR

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS TO-15				Prep Date: **9/2/2016**			Analyst: **NLM**
1,3-Dichlorobenzene	0.0011	0.0022	0.00019	J	mg/m³	1	9/6/2016
1,4-Dichlorobenzene	ND	0.0022	0.00024		mg/m³	1	9/6/2016
1,4-Dioxane	0.0027	0.0033	0.00039	J	mg/m³	1	9/6/2016
2-Butanone	0.0077	0.0027	0.00025		mg/m³	1	9/6/2016
2-Hexanone	0.0029	0.0076	0.00041	J	mg/m³	1	9/6/2016
4-Ethyltoluene	0.00091	0.0018	0.00019	J	mg/m³	1	9/6/2016
4-Methyl-2-pentanone	0.0061	0.0076	0.00023	J	mg/m³	1	9/6/2016
Acetone	0.14	0.0088	0.00031	*	mg/m³	1	9/6/2016
Benzene	0.0014	0.0012	0.000085		mg/m³	1	9/6/2016
Benzyl chloride	ND	0.0048	0.0019		mg/m³	1	9/6/2016
Bromodichloromethane	ND	0.0025	0.00017		mg/m³	1	9/6/2016
Bromoform	ND	0.0096	0.0002		mg/m³	1	9/6/2016
Bromomethane	0.00050	0.0036	0.00017	J	mg/m³	1	9/6/2016
Carbon disulfide	ND	0.0012	0.00029		mg/m³	1	9/6/2016
Carbon tetrachloride	ND	0.0023	0.00033		mg/m³	1	9/6/2016
Chlorobenzene	ND	0.0017	0.00011		mg/m³	1	9/6/2016
Chloroethane	ND	0.00098	0.00098		mg/m³	1	9/6/2016
Chloroform	0.00036	0.0018	0.000099	J	mg/m³	1	9/6/2016
Chloromethane	ND	0.0019	0.00019		mg/m³	1	9/6/2016
cis-1,2-Dichloroethene	0.018	0.0015	0.00011		mg/m³	1	9/6/2016
cis-1,3-Dichloropropene	ND	0.0017	0.0002		mg/m³	1	9/6/2016
Cyclohexane	0.0013	0.0012	0.00027		mg/m³	1	9/6/2016
Dibromochloromethane	ND	0.0032	0.00025		mg/m³	1	9/6/2016
Dichlorodifluoromethane	0.0023	0.0018	0.00006		mg/m³	1	9/6/2016
Ethyl acetate	ND	0.0033	0.00027		mg/m³	1	9/6/2016
Ethylbenzene	0.0028	0.0016	0.00013		mg/m³	1	9/6/2016
Freon-113	0.00057	0.0028	0.00011	J	mg/m³	1	9/6/2016
Freon-114	ND	0.013	0.00037		mg/m³	1	9/6/2016
Heptane	0.0027	0.0015	0.00015		mg/m³	1	9/6/2016
Hexachlorobutadiene	ND	0.0040	0.00045		mg/m³	1	9/6/2016
Hexane	0.0027	0.0033	0.000092	J	mg/m³	1	9/6/2016
Isopropyl Alcohol	0.11	0.0046	0.00036		mg/m³	1	9/6/2016
m,p-Xylene	0.0060	0.0032	0.00024		mg/m³	1	9/6/2016
Methyl tert-butyl ether	0.00033	0.0013	0.00011	J	mg/m³	1	9/6/2016
Methylene chloride	ND	0.013	0.00069		mg/m³	1	9/6/2016
Naphthalene	0.0018	0.0019	0.00056	J	mg/m³	1	9/6/2016
o-Xylene	0.0024	0.0016	0.0001		mg/m³	1	9/6/2016
Propene	0.0036	0.0064	0.00064	J	mg/m³	1	9/6/2016

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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-007

Client Sample ID: SV-2
Collection Date: 8/31/2016 12:32:00 PM
Matrix: AIR

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS TO-15				Prep Date: **9/2/2016**			Analyst: **NLM**
Styrene	0.00032	0.0016	0.00017	J	mg/m³	1	9/6/2016
Tetrachloroethene	44	1.3	0.091		mg/m³	500	9/7/2016
Tetrahydrofuran	0.0041	0.0027	0.00025		mg/m³	1	9/6/2016
Toluene	0.046	0.0014	0.00016		mg/m³	1	9/6/2016
trans-1,2-Dichloroethene	0.00015	0.0015	0.0001	J	mg/m³	1	9/6/2016
trans-1,3-Dichloropropene	ND	0.0017	0.00023		mg/m³	1	9/6/2016
Trichloroethene	0.041	0.0020	0.00015		mg/m³	1	9/6/2016
Trichlorofluoromethane	0.0016	0.0021	0.00013	J	mg/m³	1	9/6/2016
Vinyl acetate	ND	0.013	0.00018		mg/m³	1	9/6/2016
Vinyl chloride	ND	0.00095	0.00008		mg/m³	1	9/6/2016
Xylenes, Total	0.0085	0.0048	0.00034		mg/m³	1	9/6/2016

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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-008

Client Sample ID: SV-3
Collection Date: 8/31/2016 12:34:00 PM
Matrix: AIR

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS **TO-15**				Prep Date: **9/2/2016**		Analyst: **NLM**	
1,1,1-Trichloroethane	ND	0.51	0.027		ppbv	1	9/6/2016
1,1,2,2-Tetrachloroethane	ND	0.51	0.035		ppbv	1	9/6/2016
1,1,2-Trichloroethane	ND	0.51	0.049		ppbv	1	9/6/2016
1,1-Dichloroethane	ND	0.51	0.025		ppbv	1	9/6/2016
1,1-Dichloroethene	ND	0.51	0.032		ppbv	1	9/6/2016
1,2,4-Trichlorobenzene	0.15	0.51	0.11	J	ppbv	1	9/6/2016
1,2,4-Trimethylbenzene	1.5	0.51	0.046		ppbv	1	9/6/2016
1,2-Dibromoethane	ND	0.51	0.057		ppbv	1	9/6/2016
1,2-Dichlorobenzene	ND	0.51	0.042		ppbv	1	9/6/2016
1,2-Dichloroethane	ND	0.51	0.059		ppbv	1	9/6/2016
1,2-Dichloropropane	ND	0.51	0.035		ppbv	1	9/6/2016
1,3,5-Trimethylbenzene	0.41	0.51	0.035	J	ppbv	1	9/6/2016
1,3-Butadiene	ND	0.51	0.065		ppbv	1	9/6/2016
1,3-Dichlorobenzene	0.82	0.51	0.043		ppbv	1	9/6/2016
1,4-Dichlorobenzene	ND	0.51	0.054		ppbv	1	9/6/2016
1,4-Dioxane	0.66	1.3	0.15	J	ppbv	1	9/6/2016
2-Butanone	4.1	1.3	0.12		ppbv	1	9/6/2016
2-Hexanone	1.2	2.6	0.14	J	ppbv	1	9/6/2016
4-Ethyltoluene	0.33	0.51	0.053	J	ppbv	1	9/6/2016
4-Methyl-2-pentanone	2.3	2.6	0.077	J	ppbv	1	9/6/2016
Acetone	44	5.1	0.18	*	ppbv	1	9/6/2016
Benzene	1.1	0.51	0.037		ppbv	1	9/6/2016
Benzyl chloride	ND	1.3	0.51		ppbv	1	9/6/2016
Bromodichloromethane	ND	0.51	0.035		ppbv	1	9/6/2016
Bromoform	ND	1.3	0.027		ppbv	1	9/6/2016
Bromomethane	0.20	1.3	0.06	J	ppbv	1	9/6/2016
Carbon disulfide	0.15	0.51	0.13	J	ppbv	1	9/6/2016
Carbon tetrachloride	ND	0.51	0.071		ppbv	1	9/6/2016
Chlorobenzene	ND	0.51	0.032		ppbv	1	9/6/2016
Chloroethane	ND	0.51	0.51		ppbv	1	9/6/2016
Chloroform	0.13	0.51	0.028	J	ppbv	1	9/6/2016
Chloromethane	ND	1.3	0.13		ppbv	1	9/6/2016
cis-1,2-Dichloroethene	8.1	0.51	0.038		ppbv	1	9/6/2016
cis-1,3-Dichloropropene	ND	0.51	0.06		ppbv	1	9/6/2016
Cyclohexane	1.3	0.51	0.11		ppbv	1	9/6/2016
Dibromochloromethane	ND	0.51	0.041		ppbv	1	9/6/2016
Dichlorodifluoromethane	0.43	0.51	0.017	J	ppbv	1	9/6/2016
Ethyl acetate	ND	1.3	0.1		ppbv	1	9/6/2016

Qualifiers:
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Date Reported: September 09, 2016
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ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-008

Client Sample ID: SV-3
Collection Date: 8/31/2016 12:34:00 PM
Matrix: AIR

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS TO-15				Prep Date: **9/2/2016**		Analyst: **NLM**	
Ethylbenzene	1.4	0.51	0.04		ppbv	1	9/6/2016
Freon-113	0.077	0.51	0.019	J	ppbv	1	9/6/2016
Freon-114	ND	2.6	0.073		ppbv	1	9/6/2016
Heptane	3.1	0.51	0.05		ppbv	1	9/6/2016
Hexachlorobutadiene	ND	0.51	0.058		ppbv	1	9/6/2016
Hexane	3.2	1.3	0.036		ppbv	1	9/6/2016
Isopropyl Alcohol	26	2.6	0.2		ppbv	1	9/6/2016
m,p-Xylene	2.7	1.0	0.075		ppbv	1	9/6/2016
Methyl tert-butyl ether	0.077	0.51	0.042	J	ppbv	1	9/6/2016
Methylene chloride	ND	5.1	0.27		ppbv	1	9/6/2016
Naphthalene	0.79	0.51	0.15		ppbv	1	9/6/2016
o-Xylene	1.1	0.51	0.033		ppbv	1	9/6/2016
Propene	3.2	5.1	0.51	J	ppbv	1	9/6/2016
Styrene	0.13	0.51	0.054	J	ppbv	1	9/6/2016
Tetrachloroethene	280	260	18		ppbv	500	9/7/2016
Tetrahydrofuran	1.9	1.3	0.12		ppbv	1	9/6/2016
Toluene	13	0.51	0.058		ppbv	1	9/6/2016
trans-1,2-Dichloroethene	ND	0.51	0.035		ppbv	1	9/6/2016
trans-1,3-Dichloropropene	ND	0.51	0.069		ppbv	1	9/6/2016
Trichloroethene	4.7	0.51	0.039		ppbv	1	9/6/2016
Trichlorofluoromethane	0.23	0.51	0.032	J	ppbv	1	9/6/2016
Vinyl acetate	ND	5.1	0.069		ppbv	1	9/6/2016
Vinyl chloride	ND	0.51	0.043		ppbv	1	9/6/2016
Xylenes, Total	3.8	1.5	0.11		ppbv	1	9/6/2016
Volatile Organic Compounds in Air by GC/MS TO-15				Prep Date: **9/2/2016**		Analyst: **NLM**	
1,1,1-Trichloroethane	ND	0.0028	0.00015		mg/m³	1	9/6/2016
1,1,2,2-Tetrachloroethane	ND	0.0035	0.00024		mg/m³	1	9/6/2016
1,1,2-Trichloroethane	ND	0.0028	0.00027		mg/m³	1	9/6/2016
1,1-Dichloroethane	ND	0.0021	0.0001		mg/m³	1	9/6/2016
1,1-Dichloroethene	ND	0.0020	0.00013		mg/m³	1	9/6/2016
1,2,4-Trichlorobenzene	0.0011	0.0038	0.00084	J	mg/m³	1	9/6/2016
1,2,4-Trimethylbenzene	0.0075	0.0025	0.00023		mg/m³	1	9/6/2016
1,2-Dibromoethane	ND	0.0039	0.00044		mg/m³	1	9/6/2016
1,2-Dichlorobenzene	ND	0.0031	0.00026		mg/m³	1	9/6/2016
1,2-Dichloroethane	ND	0.0021	0.00024		mg/m³	1	9/6/2016
1,2-Dichloropropane	ND	0.0024	0.00016		mg/m³	1	9/6/2016
1,3,5-Trimethylbenzene	0.0020	0.0025	0.00017	J	mg/m³	1	9/6/2016
1,3-Butadiene	ND	0.0011	0.00014		mg/m³	1	9/6/2016

Qualifiers:
ND - Not Detected at the Reporting Limit
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2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-008

Client Sample ID: SV-3
Collection Date: 8/31/2016 12:34:00 PM
Matrix: AIR

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS TO-15				Prep Date: **9/2/2016**		Analyst: **NLM**	
1,3-Dichlorobenzene	0.0049	0.0031	0.00026		mg/m³	1	9/6/2016
1,4-Dichlorobenzene	ND	0.0031	0.00032		mg/m³	1	9/6/2016
1,4-Dioxane	0.0024	0.0046	0.00054	J	mg/m³	1	9/6/2016
2-Butanone	0.012	0.0038	0.00034		mg/m³	1	9/6/2016
2-Hexanone	0.0049	0.010	0.00057	J	mg/m³	1	9/6/2016
4-Ethyltoluene	0.0016	0.0025	0.00026	J	mg/m³	1	9/6/2016
4-Methyl-2-pentanone	0.0094	0.010	0.00031	J	mg/m³	1	9/6/2016
Acetone	0.10	0.012	0.00043	*	mg/m³	1	9/6/2016
Benzene	0.0034	0.0016	0.00012		mg/m³	1	9/6/2016
Benzyl chloride	ND	0.0066	0.0026		mg/m³	1	9/6/2016
Bromodichloromethane	ND	0.0034	0.00023		mg/m³	1	9/6/2016
Bromoform	ND	0.013	0.00028		mg/m³	1	9/6/2016
Bromomethane	0.00079	0.0050	0.00023	J	mg/m³	1	9/6/2016
Carbon disulfide	0.00048	0.0016	0.0004	J	mg/m³	1	9/6/2016
Carbon tetrachloride	ND	0.0032	0.00045		mg/m³	1	9/6/2016
Chlorobenzene	ND	0.0024	0.00015		mg/m³	1	9/6/2016
Chloroethane	ND	0.0013	0.0013		mg/m³	1	9/6/2016
Chloroform	0.00062	0.0025	0.00014	J	mg/m³	1	9/6/2016
Chloromethane	ND	0.0026	0.00026		mg/m³	1	9/6/2016
cis-1,2-Dichloroethene	0.032	0.0020	0.00015		mg/m³	1	9/6/2016
cis-1,3-Dichloropropene	ND	0.0023	0.00027		mg/m³	1	9/6/2016
Cyclohexane	0.0046	0.0018	0.00037		mg/m³	1	9/6/2016
Dibromochloromethane	ND	0.0043	0.00035		mg/m³	1	9/6/2016
Dichlorodifluoromethane	0.0021	0.0025	0.000082	J	mg/m³	1	9/6/2016
Ethyl acetate	ND	0.0046	0.00037		mg/m³	1	9/6/2016
Ethylbenzene	0.0061	0.0022	0.00017		mg/m³	1	9/6/2016
Freon-113	0.00059	0.0039	0.00015	J	mg/m³	1	9/6/2016
Freon-114	ND	0.018	0.00051		mg/m³	1	9/6/2016
Heptane	0.013	0.0021	0.00021		mg/m³	1	9/6/2016
Hexachlorobutadiene	ND	0.0054	0.00061		mg/m³	1	9/6/2016
Hexane	0.011	0.0045	0.00013		mg/m³	1	9/6/2016
Isopropyl Alcohol	0.065	0.0063	0.00049		mg/m³	1	9/6/2016
m,p-Xylene	0.012	0.0044	0.00033		mg/m³	1	9/6/2016
Methyl tert-butyl ether	0.00028	0.0018	0.00015	J	mg/m³	1	9/6/2016
Methylene chloride	ND	0.018	0.00095		mg/m³	1	9/6/2016
Naphthalene	0.0041	0.0027	0.00076		mg/m³	1	9/6/2016
o-Xylene	0.0048	0.0022	0.00014		mg/m³	1	9/6/2016
Propene	0.0055	0.0088	0.00088	J	mg/m³	1	9/6/2016

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Date Reported: September 09, 2016
Date Printed: September 09, 2016

ANALYTICAL RESULTS

CLIENT: Apex Companies, LLC
Work Order: 16081298 Revision 0
Project: PECO-216-78, Bright Cleaners-Franklin Centre, 7249
Lab ID: 16081298-008

Client Sample ID: SV-3
Collection Date: 8/31/2016 12:34:00 PM
Matrix: AIR

Analyses	Result	RL	MDL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS TO-15				Prep Date: **9/2/2016**			Analyst: **NLM**
Styrene	0.00054	0.0022	0.00023	J	mg/m³	1	9/6/2016
Tetrachloroethene	1.9	1.7	0.13		mg/m³	500	9/7/2016
Tetrahydrofuran	0.0056	0.0038	0.00034		mg/m³	1	9/6/2016
Toluene	0.047	0.0019	0.00022		mg/m³	1	9/6/2016
trans-1,2-Dichloroethene	ND	0.0020	0.00014		mg/m³	1	9/6/2016
trans-1,3-Dichloropropene	ND	0.0023	0.00032		mg/m³	1	9/6/2016
Trichloroethene	0.026	0.0027	0.00021		mg/m³	1	9/6/2016
Trichlorofluoromethane	0.0013	0.0029	0.00018	J	mg/m³	1	9/6/2016
Vinyl acetate	ND	0.018	0.00024		mg/m³	1	9/6/2016
Vinyl chloride	ND	0.0013	0.00011		mg/m³	1	9/6/2016
Xylenes, Total	0.017	0.0066	0.00046		mg/m³	1	9/6/2016

Qualifiers:
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CHAIN OF CUSTODY RECORD

Nº: 903397 **Page : 1 of 1**

Company: Apex Companies
Project Number: PECO-2016-78 Client Tracking No.:
Project Name: Bright Cleaners - Franklin Centre
Project Location: 7249 S. 76th St., Franklin, WI
Sampler(s): Joe Becker
Report To: Joe Becker Phone: 847-956-8589
Steve Newlin Fax: snewlin@apexcos.com
QC Level: 1 ___ 2 ___ 3 ___ 4 ___ e-mail: jbecker@apexcos.com

Quote No.:
P.O. No.:
Turn Around Time (Days): 1 2 3 4 (5-7) 10
Results Needed: / / am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	VOCs - 8260	VOCs - TO-15	Additional Information:	Lab No.:
TW-1@ 14'	8-31-16	10:00	Soil		X	F	4	X			001
TW-2@ 11'		10:30				F	4	X			002
TW-3@ 12'		11:00				F	4	X			003
TW-1		11:15	GW			E	3	X			004
~~TW-2~~						E	3	X			
TW-3		12:40				E	3	X			005
SV-1		12:29	Air			A	1		X	Summa 60319	006
SV-2		12:32				A	1		X	60339	007
SV-3		12:34				A	1		X	60268	008

Relinquished by: (Signature) Date/Time: 8-31-16/16:45
Received by: (Signature) Date/Time: 8/31/16 16:48
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:

Comments:

Preservation Code: A = None B = HNO_3 C = NaOH D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

Laboratory Work Order No.: 16081298

Received on Ice: Yes [X] No [ ]

Temperature: 4.7 °C

STAT Analysis Corporation

Sample Receipt Checklist

Client Name APEX | Date and Time Received: 8/31/2016 4:45:00 PM

Work Order Number 16081298 | Received by: JDR

Checklist completed by: Signature 8/31/16 Date | Reviewed by: JDR Initials 9/1/16 Date

Matrix: | Carrier name | Client Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature 4.7 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - Samples pH checked?	Yes ☐	No ☐	Checked by:
Water - Samples properly preserved?	Yes ☐	No ☐	pH Adjusted?

Any No response must be detailed in the comments section below.

Comments: To-cans recieved at ambient temperature.

Client / Person contacted: Date contacted: Contacted by:

Response: