



***Air Assessment Report
July 2025 Sampling
Former Ellis Dry Cleaners
Portland, Oregon
ECSI No. 5612***

**Prepared for:
Oregon Department of Environmental Quality
Task Order No. 066-23-11**

**November 21, 2025
32-24005460/Task 3**



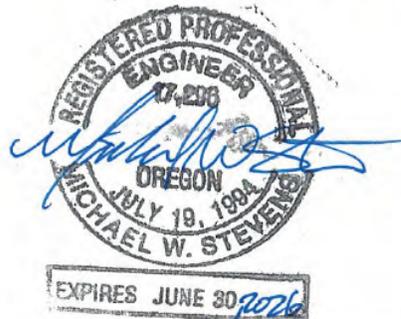
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A handwritten signature in blue ink, appearing to read 'Tess Chadil', written over a horizontal line.

Tess Chadil
Senior Project Manager



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1.0 Introduction

This report presents the results of ambient air and soil vapor sampling conducted from July 16 through July 22, 2025, to support the soil vapor and indoor air assessment associated with the former Ellis Dry Cleaners site (the Site) located at 3300 North Williams Avenue in Portland, Oregon (see Figures 1 and 2). This report was prepared for the Oregon Department of Environmental Quality (DEQ) under Task 3 of Task Order No. 066-23-11.

1.1 Background

The Site operated as a dry-cleaning facility from 1950 to 1986. In 1996, the City of Portland Brownfields Program conducted a site investigation to determine the extent of the tetrachloroethene (PCE) contamination in soil and soil vapor at the property. In 2011, the City of Portland contacted DEQ to discuss entry into the Voluntary Cleanup Program for additional site characterization and cleanup. Following review of the site characterization data, DEQ issued an orphan declaration in September 2011. In March 2013, 3300 N Williams Avenue, LLC acquired the property and negotiated a prospective purchaser agreement with DEQ. The terms of the agreement require the owners to reduce levels of PCE and associated breakdown products (i.e. trichloroethene [TCE], cis-1,2-dichloroethene [DCE], and vinyl chloride) to below the applicable risk-based concentrations (RBCs; DEQ, 2003, updated 2025) for the property.

On-Site Remediation by Others. To address soil vapor and soil impacts on the Former Ellis Dry Cleaners property, the current owners performed chemical oxidation soil treatments between July and September, 2013, and installed a soil vapor extraction (SVE) system that has been in operation at the Site since late October 2013. The SVE system was modified in July 2014 to replace the original vapor-phase carbon vessels with larger units (to allow increased system vacuum levels). As a result of this modification, on June 8, 2015, the vacuum levels were increased from less than 1 inch of water vacuum to about 30 inches of water vacuum. After several years of operation, the on-site SVE system was temporarily shut down as part of remediation confirmation testing in July 2018 and was restarted in April 2019. The on-site SVE system was again temporarily shut down in September 2020 and January 2021. A timer was installed on the SVE system in June 2021, and the system has subsequently operated between 8:00 a.m. and 5:00 p.m. daily, unless otherwise noted below.

A longer trial shut down of the SVE system was conducted from December 2022 through June 2023. During this time, an assessment of the SVE system was conducted. Additional SVE points were installed, and the system was modified to target soil vapor at depths that may not have been as readily influenced by the prior configuration of the system. The modified SVE system was restarted in June 2023 and continues to run from 8:00 a.m. to 5:00 p.m. daily. On September 5, 2025, DEQ was informed by the owner's consultant that the SVE system blower's motor malfunctioned and had to be repaired. The SVE system was shut down for 1-2 weeks while repairs were made.

Off-Site Actions by DEQ. DEQ has been responsible for addressing off-site impacts to the adjacent properties. To supplement the on-site extraction wells that were associated with the SVE system, three additional SVE wells were installed on the adjacent Liddy property (east of the Ellis property) on February 20, 2014. These new wells were intended to improve vapor capture between the vapor source area and the Liddy residence (thereby reducing the potential for vapor migration into the building). Apex Companies, LLC (Apex) connected these three wells to a common manifold header, and the manifold was then connected by others to the existing SVE system on the Ellis property. Operation of the SVE system was expected to be protective of the Liddy residence by removing contaminant vapors from the subsurface and capturing vapors that could otherwise migrate to the vicinity of the residence. It was determined that additional short-term improvements to indoor air quality in the Liddy residence could be realized by introducing tempered fresh air into the building while exhausting stale air from within the building. This was accomplished by the installation of a heat recovery ventilator (HRV) on the existing forced-air furnace in the Liddy residence basement (installed on March 17, 2014).

Five permanent off-site soil vapor monitoring locations were installed in the vicinity of the Ellis property on April 22, 2014. Four of the vapor points were installed to the south and west of the property, and a nested pair of monitoring points were installed at sample location 'J,' north of the Ellis Site. The 'J' monitoring points were temporarily removed on June 18, 2014, to accommodate job site trailers and parking for a construction project on the west side of Williams Avenue and were subsequently reinstalled on June 9, 2016, after the construction was complete.

Indoor air filter units were also historically placed in the basement of the Liddy residence and within the building located adjacent to the Site to the north (formerly Evol Twin, currently occupied by a bodyworks studio). During the March 2017 sampling event, it was noted that the tenant at the former Evol Twin building was storing the air filter unit outside. Indoor air quality in the former Evol Twin building had been consistently acceptable since November 2013, and DEQ decided that the filter unit was no longer needed to be protective and could be removed from this location. The air filter unit was therefore collected by Apex staff in April 2017 and delivered to DEQ.

The HRV in the basement of the Liddy residence was turned off for two consecutive sampling events in November 2020 and January 2021 to test the effectiveness and need for continued remedial measures at the Site. Based on the results from these monitoring events, it was concluded that the ventilation improvements in the Liddy residence were no longer necessary, and the HRV was removed in June 2021. Details regarding the HRV system removal were documented in the *Ellis Dry Cleaners Interim Action – Heat Exchanger Removal Report* (Apex, 2021). The air filter unit in the Liddy residence was in use during the July 2025 monitoring event.

During the modification of the SVE system in 2023, the three SVE wells on the Liddy property were closed off, and vapor is no longer being extracted from these locations. This change has not affected indoor air

quality. Indoor air quality has been consistently acceptable with respect to contaminants of concern in the Liddy residence since February 2018 including during periods when the SVE system was shut down.

1.2 Scope of Work

The work described in this report consists of the collection of ambient air and soil vapor samples in July 2025 from properties adjacent to the former Ellis Dry Cleaners site. Based on analytical results indicating a consistent lack of risk to off-site receptors as documented by previous years of monitoring, DEQ reduced the scope and frequency of sampling in July 2024 relative to prior events. Specifically, areas where two samples were located near each other were reduced to one sample, and the frequency was reduced from quarterly to semi-annual monitoring to capture the seasonal variation (wet versus dry seasons) observed in soil vapor PCE concentrations.

The purpose of the sampling is to assess the current risk from vapor intrusion in buildings and the effectiveness of the vapor control system, and to determine whether further remedial action may be needed.

The scope of work for this sampling event included:

- Collection of three ambient air samples:
 - One outdoor ambient air sample on the northeast boundary of the Site;
 - One indoor air sample in the basement of the Liddy residence, east of the Site;
 - One indoor air sample inside of the former Evol Twin building, north of the Site;
- Collection of six soil vapor samples:
 - One sample from an SVE well on the Liddy property (SV-12);
 - Two samples from north of the Site (point 'J'), between the Site and the former Evol Twin Building;
 - Three samples from vapor points located in the sidewalks west (VP-B), southwest (VP-C) and south (VP-D) of the Site; and
- Analysis of the collected samples for volatile organic compounds (VOCs).

1.3 Deviations from Scope of Work

The collection of the sample from VP-D included both a primary and a field duplicate sample. However, the primary sample canister was found to be damaged upon arrival at the lab and was unable to be analyzed. The secondary canister was used for the laboratory analysis, and there is no field duplicate sample for this monitoring event.

2.0 Pre-Sampling Activities

Site Health and Safety Plan. A Site-specific health and safety plan (HASP) was previously prepared for the investigation activities (included in the Work Plan; Apex, 2013). The HASP was prepared in general accordance with the Occupational Safety and Health Administration (OSHA) and the Oregon Administrative Rules (OAR). A copy of the HASP was maintained on-site during the field activities.

Property Access. DEQ previously obtained access rights to the properties to conduct the work. Apex coordinated with the property owners of the adjacent Liddy residence and former Evol Twin properties for access to complete the sampling.

3.0 Sampling and Maintenance Activities

3.1 Ambient Air Sampling

On July 16, 2025, Radiello RAD 130 passive ambient air samplers were deployed in the Liddy residence basement, former Evol Twin building, and background SVE locations, as shown on Figure 2. The three passive samplers were retrieved on July 23, 2025, for a total exposure period of seven days.

The range of barometric pressures recorded over the seven-day period was between 29.76 and 30.11 inches of mercury and relatively steady over the period (an average of 30.0 inches of mercury). The exterior sample was housed in a cover designed to protect it from direct contact with precipitation without obstructing airflow.

Each of the ambient air samples were collected at a height of approximately 4 feet above ground surface to represent the approximate breathing zone at the locations indicated on Figure 2.

3.2 Soil Vapor Sampling

On July 16, 2025, six soil vapor samples and one field duplicate sample were collected in accordance with the Sampling and Analysis Plan (SAP) in Appendix B of the Work Plan (Apex, 2013). The soil vapor samples were each collected over a sampling interval of 30 minutes in 6-liter Summa canisters connected to the respective vapor points with new sample tubing. The SVE system was running during the sampling event; however, as noted in Section 1.1, there is no longer vacuum being applied to the three Liddy SVE wells. The sample locations are indicated on Figure 2.

4.0 Chemical Analyses and Results

Laboratory analyses for the soil vapor samples were performed by Pace Analytical under their laboratory services price agreement with the State of Oregon. Laboratory analysis of the Radiello ambient air samplers

was performed by Eurofins Air Toxics of Folsom, California. The collected soil vapor and ambient air samples were packaged and shipped to the respective analytical laboratories following chain of custody protocol. Samples were analyzed on a standard turnaround time.

The soil vapor samples were analyzed for VOCs by Environmental Protection Agency (EPA) Method TO-15, and the ambient air samples (using the passive Radiello samplers) were analyzed by EPA Method TO-17. The laboratory reports and a quality assurance/quality control (QA/QC) review of the data are presented in Appendix A. The review determined that the data are of acceptable quality, with data qualifications flagged on the tables as appropriate.

4.1 Ambient Air Results

Ambient air analytical results are presented in Tables 1 and 2 and are shown on Figure 3. Tables of historical data are included in Appendix B, as well as average values for background sample locations over time and trend plots of the historical data. Ambient air results are compared to the chronic and acute RBCs for air in residential and commercial settings (DEQ, 2003; updated 2025).

Liddy Residence. PCE and TCE were not detected in the sample from the basement of the Liddy residence. Chloroform was detected at a concentration of 0.14 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), slightly exceeding the chronic ambient air RBC of 0.12 $\mu\text{g}/\text{m}^3$. A review of historical data shows that chloroform has been detected at over half of historic sampling events, with nearly all concentrations detected exceeding the new residential RBC for ambient air. While the chloroform concentration during this sampling event is consistent with, and in many cases lower than, concentrations detected in prior sampling events, it had not exceeded any RBC until the release of DEQ's updated vapor intrusion guidance in March 2025, which largely adopted EPA's regional screening levels (RSLs).

Chloroform poses a potential cancer risk and non-cancer hazard. To further evaluate human health risk due to chloroform in indoor air, DEQ calculated an exposure point concentration for the Liddy residence to evaluate a reasonable maximum exposure scenario for residential receptors. The 90% upper confidence limit for Liddy residence samples of indoor air is 0.481 $\mu\text{g}/\text{m}^3$, which corresponds to an excess lifetime cancer risk of 4 in a million. DEQ's threshold for cancer risk is 1 in a million.

A 2011 EPA study (USEPA 2011) reported chloroform in residential indoor air with a median value ranging to 2.4 $\mu\text{g}/\text{m}^3$ and 95th percentiles ranging up to 7.5 $\mu\text{g}/\text{m}^3$. When compared with the background study, the range of chloroform concentrations observed in the Liddy residence (0.051 to 2.6 $\mu\text{g}/\text{m}^3$) is similar to typical background concentrations for residential environments. Further, chloroform is not related to historic dry cleaning operations and is not identified as a contaminant of concern (COC) at the Site.

Other VOCs that were detected at concentrations below the respective RBCs include carbon tetrachloride, cyclohexane, ethylbenzene, toluene, and xylenes. While benzene concentrations have varied between

sampling events and have occasionally exceeded the ambient air RBCs, it was not detected during this monitoring event.

Following the improvements that were made to the SVE system in 2015, indoor air concentrations of PCE and TCE within the Liddy residence have consistently been significantly lower than historical concentrations (by at least one order of magnitude) and are also well below the respective RBCs. Based on the soil vapor results discussed below, chloroform concentrations in ambient air do not appear to be influenced by the SVE system which further supports that it is likely related to indoor sources and not associated with dry cleaning operations or a vapor intrusion issue.

Former Evol Twin Print Shop. The Evol Twin sample was collected inside the building north of the Site. No analytes were detected above commercial ambient air RBCs. PCE was detected at $0.47 \mu\text{g}/\text{m}^3$, which is approximately 25% of the concentration of the sample collected during the January 2025 sampling event. This concentration is two orders of magnitude below the commercial RBC ($47 \mu\text{g}/\text{m}^3$) and well below the historical high ($100 \mu\text{g}/\text{m}^3$). TCE and benzene were not detected, though concentrations of benzene have varied between sampling events, and historically benzene has been the only compound detected above chronic ambient air RBCs in the Evol Twin building since monitoring began in 2012.

Chloroform was detected at a concentration of $2.0 \mu\text{g}/\text{m}^3$, exceeding the chronic ambient air RBC of $0.53 \mu\text{g}/\text{m}^3$. This concentration is significantly higher than detected in the January 2025 sampling event ($0.17 \mu\text{g}/\text{m}^3$). A review of historical data shows that chloroform was detected in less than half of the historic sampling events, with approximately half of the concentrations detected exceeding the new chronic RBC for ambient air. Similar to the Liddy residence, DEQ calculated a 90% upper confidence limit ($0.494 \mu\text{g}/\text{m}^3$) for the Evol Twin sampling location and compared the reasonable maximum exposure point concentration to DEQ's indoor air RBC for occupational receptors. The excess lifetime cancer risk for Evol Twin was below DEQ's 10^{-6} cancer risk threshold. The range of chloroform concentrations (0.11 to $2 \mu\text{g}/\text{m}^3$) was also less than similar to typical background levels for residential settings (USEPA 2011).

As stated above, chloroform is not a COC at the Site, and until the release of the updated vapor intrusion guidance in March 2025, there had been no RBC exceedances.

Background Sample. An outdoor ambient air sample was collected to compare to indoor air samples as well as to distinguish between concentrations that are sourced from soil vapor in the vicinity of the building and those that are indicative of the regional air quality. The sample was collected adjacent to the SVE system (referred to as Background SVE).

PCE and TCE were not detected in the background sample. Chloroform was also not detected in the background sample. The lack of detected chloroform in the outdoor ambient air sample also indicates an indoor source of this chemical.

Chloroform has been identified as a common indoor air background constituent and is frequently detected in indoor air at concentrations that exceed conservative screening levels (Eklund & Rago, 2024). Chloroform is ubiquitous in indoor air and is formed when chlorine is used to disinfect water by municipal water supply systems. Household activities such as showering, bathing, washing clothes or dishes or preparing food may cause exposure to chloroform (CDC ASTDR, 2025). It is also commonly found in various cleaning products like bleach. Chloroform will commonly be detected in indoor air due to volatilization from water used within the building and potentially other sources (Eklund & Rago, 2024).

4.2 Soil Vapor Results

Soil vapor results are presented in Tables 3 and 4. Tables and trend plots of historical data collected at the Site are included in Appendix B.

Residential Vapor Points. A vapor sample was collected from the wellhead of the southernmost of the three SVE wells installed on the Liddy property (SV-12). The SVE system was operating during this sampling event; however, the wells on the Liddy property are closed off from the system, and no vapor is being extracted. No analytes were detected above the applicable RBCs in SV-12. The PCE concentration in SV-12 was 229 $\mu\text{g}/\text{m}^3$, below the chronic RBC for soil vapor in residential settings of 360 $\mu\text{g}/\text{m}^3$. PCE concentrations continue to remain consistently several orders of magnitude below historical highs (88,000 $\mu\text{g}/\text{m}^3$).

PCE was detected in VP-B at a concentration of 1,240 $\mu\text{g}/\text{m}^3$, which is slightly lower than the concentration detected in July 2024 (VP-B was not sampled in January 2025). The concentration detected exceeds the residential chronic RBC for soil vapor (360 $\mu\text{g}/\text{m}^3$). PCE concentrations in VC-B continue to remain consistently below historical highs (110,000 $\mu\text{g}/\text{m}^3$, detected in September 2014). TCE was not detected in VP-B above the method reporting limit (MRL), consistent with prior results.

Vapor point VP-D is located on the south side of Northeast Cook Street and adjacent to a property (10 Northeast Cook Street) that reportedly will be developed for mixed commercial and residential uses. At VP-D, both primary and duplicate samples were collected; however, the primary sample canister was damaged upon arrival at the lab and was unable to be analyzed. Therefore, the second sample canister was used, and no field duplicate sample was available for analysis. PCE was detected at a concentration of 58.8 $\mu\text{g}/\text{m}^3$, well below the current residential RBC (360 $\mu\text{g}/\text{m}^3$). No analytes were detected above the applicable RBCs in VP-D.

TCE was not detected in SV-12, VP-B, or VP-D. This is consistent with historical concentrations that have generally been non-detect or only slightly above the method detection limit. During the prior sampling event completed in July 2024, TCE was detected at 118 $\mu\text{g}/\text{m}^3$, which was the relatively highest concentration since monitoring began. The non-detect concentration observed during both 2025 monitoring events supports the

theory that the elevated concentration from July 2024 was an abnormality and not indicative of an increasing concentration trend.

Chloroform was not detected in soil vapor in SV-12, VP-B, or VP-D in the July 2025 monitoring event. A review of the historical soil vapor data indicates that chloroform has been very rarely detected in SV-12 and VP-B. Chloroform was consistently detected in soil vapor in VP-D at concentrations ranging from 1.09 $\mu\text{g}/\text{m}^3$ to 98.4 $\mu\text{g}/\text{m}^3$ between September 2015 and February 2020 and above the DEQ residential soil vapor RBC for chloroform of 4.1 $\mu\text{g}/\text{m}^3$. The lack of chloroform detections in the soil gas samples since 2020, indicates that the source of chloroform in the indoor ambient air samples is not attributable to a vapor intrusion issue.

Commercial Vapor Points. Vapor points VP-C and VP-J (5 and 15) are located on or adjacent to commercial properties and are therefore screened against commercial soil vapor RBCs (Figure 2). No analytes were detected at a concentration above the commercial soil vapor RBCs. TCE was not detected in any of the commercial property samples, while PCE was detected in all three samples. Relative to the July 2024 sampling event, the concentration of PCE in VP-C increased to 265 $\mu\text{g}/\text{m}^3$ from 197 $\mu\text{g}/\text{m}^3$ and in VP-J (5) to 19.6 $\mu\text{g}/\text{m}^3$ from 5.8 $\mu\text{g}/\text{m}^3$. The PCE concentration in VP-J (15) (371 $\mu\text{g}/\text{m}^3$) is slightly lower than observed in July 2024 (446 $\mu\text{g}/\text{m}^3$). The concentrations in all three points are well below the RBC for soil vapor in commercial settings (1,600 $\mu\text{g}/\text{m}^3$) and below historical high concentrations.

Chloroform was not detected in soil vapor in VP-C or VP-J in the July 2025 monitoring event, and a review of the historical soil vapor data indicates that chloroform has been very rarely detected in these wells.

Duplicate Sample. As part of this event, no field duplicate sample was analyzed (as discussed above). However, findings from the intended duplicate sample (from VP-D) are consistent with historical data. Additional data quality review discussion is included in Appendix A.

5.0 Conclusions

PCE concentrations in soil vapor and ambient air collected during the July 2025 event were similar to the concentrations of samples collected in January 2025. This is inconsistent with the typical seasonal variation that had been observed during previous events (higher concentrations have generally been observed during the warmer, dryer months). However, these concentrations are more than two orders of magnitude lower than historical high concentrations as shown on the trend plots included in Appendix B, and these local variations are relatively small. Concentrations in each of the monitoring points have overall been relatively stable or decreasing for the last several years (with local fluctuations between successive events).

During a prior sampling event in July 2024, a historically high concentration of TCE was observed in soil vapor location VP-D. These elevated results were not replicated during the January or July 2025 monitoring events, each of which had TCE concentrations that were below the MRL. Additionally, TCE has not been detected in

indoor or outdoor ambient air samples over the last three sampling events. It appears that the July 2024 results were anomalous and not indicative of a persistent issue in the vicinity of the monitoring point. Continued monitoring will allow verification of this conclusion.

Chloroform was detected at concentrations that exceeded the applicable RBCs for chronic exposure to ambient air in both the Liddy basement and Former Evol Twin studio. Chloroform was not present at detectable concentrations in the outdoor ambient air sample, nor was it detected in any of the soil vapor samples collected in July 2025. With the exception of well VP-D, chloroform has rarely been detected in soil vapor samples and there have been no detections of chloroform in VP-D since February 2020. Prior to March 2025 (and the updated vapor intrusion RBCs), there were no RBC exceedances for chloroform in ambient air.

Chloroform is ubiquitous in indoor air, is not associated with historical dry-cleaning operations and is not a contaminant of concern for the Site. The data indicate that the concentrations of chloroform present in indoor ambient air are unrelated to outdoor ambient air or from soil vapor intrusion in the vicinity of the Site. It is likely that the detected chloroform concentrations are originating with other indoor sources, such as household cleaners, chlorinated municipal water, or sewer gas. While concentrations of chloroform in indoor air exceed applicable RBCs, they appear to be within typical background levels for residential settings.

While commonly encountered in previous monitoring events, benzene was not detected in ambient air or soil vapor samples collected during the July 2025 sampling event. Other VOCs not associated with the historical dry cleaning operations were detected during this monitoring event (such as carbon tetrachloride and cyclohexane) but not at concentrations that exceed RBCs.

6.0 References

Apex Companies, LLC (Apex). *Soil Gas and Indoor Air Assessment Work Plan, Former Ellis Dry Cleaners, Portland, Oregon*. August 9, 2013.

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Table 1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	Liddy Basement	Background SVE	RBCair Residential	
	Date	7/23/2025	7/23/2025	Chronic
VOCs by TO-17	Concentrations in $\mu\text{g}/\text{m}^3$			
Benzene	<0.50	<0.49	0.36	29
Carbon Tetrachloride	0.25	0.34	0.47	1,900
Chloroform	0.14	<0.13	0.12	490
Cyclohexane	0.50	<0.18	6,300	--
1,4-Dichlorobenzene	<0.19	<0.19	0.26	12,000
1,2-Dichloroethane	<0.13	<0.13	0.11	--
Ethyl Benzene	0.28	0.19	1.1	22,000
Toluene	3.4	0.62	5,200	7,500
Styrene	<0.16	<0.16	1,000	21,000
Tetrachloroethene	<0.17	<0.17	11	41
1,1,1-Trichloroethane	<0.16	<0.16	5,200	11,000
Trichloroethene	<0.14	<0.14	0.48	2.1
m,p-Xylene	0.96	0.73	100	8,700
o-Xylene	0.28	0.25	100	8,700

Notes:

RBCair Residential = Risk-Based Concentrations for air in residential settings from Guide to Tables of Vapor Intrusion RBCs Based on EPA VISL Calculations, June 2023.

$\mu\text{g}/\text{m}^3$ = Micrograms per cubic meter.

Bold values indicate concentration detected above the minimum reporting limit.

Shaded values exceed chronic or acute air in residential settings risk based concentrations (RBC).

VOCs = Volatile organic compounds.

Samples were collected using Radiello 145 passive samplers and were analyzed by modified EPA Method TO-17.

-- = Not available.

Table 2
Ambient Air Analytical Results - Commercial
Former Ellis Dry Cleaners

Sample Location	Evol Twin	Background SVE	RBC _{air} Occupational	
			Chronic	Acute
Date	7/23/2025	7/23/2025		
VOCs by TO-17	Concentrations in µg/m ³			
Benzene	<0.49	<0.49	1.6	87
Carbon Tetrachloride	0.30	0.34	2.0	5,700
Chloroform	2.0	<0.13	0.53	1,500
Cyclohexane	0.39	<0.18	26,000	--
1,4-Dichlorobenzene	<0.19	<0.19	1.1	36,000
1,2-Dichloroethane	<0.13	<0.13	0.47	--
Ethyl Benzene	0.63	0.19	4.9	66,000
Toluene	2.0	0.62	22,000	23,000
Styrene	0.18	<0.16	4,400	63,000
Tetrachloroethene	0.47	<0.17	47	120
1,1,1-Trichloroethane	<0.16	<0.16	22,000	33,000
Trichloroethene	<0.14	<0.14	3.0	6.3
m,p-Xylene	1.5	0.73	440	26,000
o-Xylene	0.81	0.25	440	26,000

Notes:

RBC_{air} Commercial = Risk-Based Concentrations for air in commercial settings from Guide to Tables of Vapor Intrusion RBCs Based on EPA VISL Calculations, June 2023.

µg/m³ = Micrograms per cubic meter.

Bold values indicate concentration detected above the minimum reporting limit.

Shaded values exceed residential inhalation risk based concentrations (RBC).

VOCs = Volatile organic compounds.

Samples were collected using Radiello 145 passive samplers and were analyzed by modified EPA Method TO-17.

-- = Not available.

Table 3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	SV-12	VP-B	RBC _{sv}	
Depth (ft bgs)	10-20	5	Residential	
Date	7/16/2025	7/16/2025	Chronic	Acute
VOCs by TO-15				
Acetone	<2.97	7.27	--	--
Allyl Chloride	<0.626	<0.626	16	--
Benzene	<0.639	<0.639	12	970
Benzyl Chloride	<1.04	<1.04	1.9	8,000
Bromodichloromethane	<1.34	<1.34	2.5	--
Bromoform	<6.52	<6.52	85	--
Bromomethane	<0.776	<0.776	170	130,000
1,3-Butadiene	<4.43	<4.43	3.1	22,000
Carbon Disulfide	<1.24	<1.24	24,000	210,000
Carbon Tetrachloride	<1.26	<1.26	16	63,000
Chlorobenzene	<0.924	<0.924	1700	--
Chloroethane	<0.528	<0.528	--	--
Chloroform	<0.973	<0.973	4.1	16,000
Chloromethane	0.469	<0.413	3,100	33,000
2-Chlorotoluene	<1.03	<1.03	--	--
Cyclohexane	<0.689	<0.689	210,000	--
Dichlorodifluoromethane	<1.70	<1.70	3,500	--
1,2-Dibromoethane	<1.54	<1.54	0.16	--
1,2-Dichlorobenzene	<1.20	<1.20	7,000	--
1,3-Dichlorobenzene	<1.20	<1.20	--	--
1,4-Dichlorobenzene	<1.20	<1.20	8.5	400,000
1,2-Dichloroethane	<0.810	<0.810	3.6	--
1,1-Dichloroethane	<0.802	<0.802	59	--
1,1-Dichloroethene	<0.793	<0.793	7,000	6,700
cis-1,2-Dichloroethene	<0.793	<0.793	1,400	--
trans-1,2-Dichloroethene	<0.793	<0.793	1,400	26,000
1,2-Dichloropropane	<0.924	<0.924	25	7,700
cis-1,3-Dichloropropene	<0.908	<0.908	--	--
trans-1,3-Dichloropropene	<0.908	<0.908	--	--
1,4-Dioxane	<2.27	<2.27	19	240,000
Ethanol	<4.71	6.60	--	--
Ethylbenzene	<0.867	<0.867	37	730,000
4-Ethyltoluene	<0.982	<0.982	--	--
Trichlorofluoromethane	1.72	<1.12	--	--
Dichlorodifluoromethane	2.46	2.85	3,500	--
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	170,000	--
1,2-Dichlorotetrafluoroethane	<1.40	<1.40	--	--
Heptane	<0.818	<0.818	14,000	--
Hexachloro-1,3-butadiene	<6.73	<6.73	4.3	--
n-Hexane	<2.22	<2.22	24,000	--

Please see notes at the end of the table.

Table 3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	SV-12	VP-B	RBC _{sv}	
Depth (ft bgs)	10-20	5	Residential	
Date	7/16/2025	7/16/2025	Chronic	Acute
VOCs by TO-15				
Isopropylbenzene	<0.983	<0.983	--	--
Methylene Chloride	<0.694	<0.694	3,400	--
Methyl Butyl Ketone	<5.11	<5.11	--	--
2-Butanone (MEK)	<3.69	<3.69	170,000	170,000
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	100,000	--
Methyl methacrylate	<0.819	<0.819	24,000	--
Methyl Tert-Butyl Ether	<0.721	<0.721	360	270,000
Naphthalene	<3.30	<3.30	2.8	6,700
2-Propanol	<3.07	3.61	--	--
Propene	<2.15	<2.15	--	--
n-Propylbenzene	<0.982	<0.982	35,000	--
Styrene	<1.70	<1.70	35,000	700,000
1,1,2,2-Tetrachloroethane	<1.37	<1.37	1.6	--
Tetrachloroethene	229	1240	360	1,400
Tetrahydrofuran	<0.590	<0.590	70,000	--
Toluene	<1.88	<1.88	170,000	250,000
1,2,4-Trichlorobenzene	<4.66	<4.66	70	--
1,1,1-Trichloroethane	<1.09	<1.09	170,000	370,000
1,1,2-Trichloroethane	<1.09	<1.09	5.9	--
Trichloroethene	<1.07	<1.07	16	70
1,2,4-Trimethylbenzene	<0.982	<0.982	2,100	--
1,3,5-Trimethylbenzene	<0.982	<0.982	2,100	--
2,2,4-Trimethylpentane	<0.934	<0.934	--	--
Vinyl Chloride	<0.511	<0.511	5.6	43,000
Vinyl Bromide	<0.875	<0.875	6.2	--
Vinyl Acetate	<2.22	<2.22	7,000	6,700
m&p-Xylene	<1.73	<1.73	3,500	290,000
o-Xylene	<0.867	<0.867	3,500	290,000
TPH (GC/MS) Low Fraction	<826	1,310	10,000	--

Notes:

RBC_{sv} Residential = Risk-Based Concentrations for soil vapor in residential settings from Guide to Tables of Vapor Intrusion RBCs Based on EPA VISL Calculations, June 2023.

µg/m³ = Micrograms per cubic meter.

Bold values indicate concentration detected above the minimum reporting limit.

Shaded values exceed one or more RBC.

VOCs = Volatile organic compounds.

-- = Not available.

J+ = Data results are estimated values and may be biased high.

Table 4
Soil Vapor Analytical Results – Commercial
Former Ellis Dry Cleaners

Sample Location	VP-C	VP-D	VP-J (5)	VP-J (15)	RBC _{sv}	
Depth (ft bgs)	5	5	5	15	Commercial	
Date	7/16/2025	7/16/2025	7/16/2025	7/16/2025	Chronic	Acute
VOCs by TO-15	Concentrations in µg/m ³					
Acetone	9.39	3.18	3.94	5.68	--	--
Allyl Chloride	<0.626	<0.626	<0.626	<0.626	68	--
Benzene	<0.639	<0.639	<0.639	<0.639	52	2,900
Benzyl Chloride	<1.04	<1.04	<1.04	<1.04	8.3	24,000
Bromodichloromethane	<1.34	<1.34	<1.34	<1.34	11	--
Bromoform	<6.52	<6.52	<6.52	<6.52	370	--
Bromomethane	<0.776	<0.776	<0.776	<0.776	730	400,000
1,3-Butadiene	<4.43	<4.43	<4.43	<4.43	14	67,000
Carbon Disulfide	<1.24	<1.24	<1.24	<1.24	100,000	630,000
Carbon Tetrachloride	<1.26	<1.26	<1.26	<1.26	68	190,000
Chlorobenzene	<0.924	<0.924	<0.924	<0.924	7,300	--
Chloroethane	<0.528	<0.528	<0.528	<0.528	--	--
Chloroform	<0.973	<0.973	<0.973	<0.973	18	50,000
Chloromethane	<0.413	<0.413	<0.413	<0.413	13,000	100,000
2-Chlorotoluene	<1.03	<1.03	<1.03	<1.03	--	--
Cyclohexane	<0.689	<0.689	<0.689	<0.689	--	--
Chlorodibromomethane	<1.70	<1.70	<1.70	<1.70	--	--
1,2-Dibromoethane	<1.54	<1.54	<1.54	<1.54	0.68	--
1,2-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	29,000	--
1,3-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	--	--
1,4-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	37	1,200,000
1,2-Dichloroethane	<0.810	<0.810	<0.810	<0.810	16.0	--
1,1-Dichloroethane	<0.802	<0.802	<0.802	<0.802	260	--
1,1-Dichloroethene	<0.793	<0.793	<0.793	<0.793	580	20,000
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	5,800	--
trans-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	5,800	80,000
1,2-Dichloropropane	<0.924	<0.924	<0.924	<0.924	110	23,000
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	--	--
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	--	--
1,4-Dioxane	<2.27	<2.27	<2.27	<2.27	82	730,000
Ethanol	<4.71	<4.71	<4.71	<4.71	--	--
Ethylbenzene	<0.867	<0.867	<0.867	<0.867	160	2,200,000
4-Ethyltoluene	<0.982	<0.982	<0.982	<0.982	--	--
Trichlorofluoromethane	<1.12	<1.12	1.25	1.71	--	--
Dichlorodifluoromethane	2.34	2.93	2.81	11.1	15,000	--
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<1.53	<1.53	730,000	--
1,2-Dichlorotetrafluoroethane	<1.40	<1.40	<1.40	<1.40	--	--
Heptane	<0.818	<0.818	<0.818	<0.818	58,000	--
Hexachloro-1,3-butadiene	<6.73	<6.73	<6.73	<6.73	19.0	--
n-Hexane	<2.22	<2.22	<2.22	<2.22	100,000	--

Please see notes at the end of the table.

Table 4
Soil Vapor Analytical Results – Commercial
Former Ellis Dry Cleaners

Sample Location	VP-C	VP-D	VP-J (5)	VP-J (15)	RBC _{sv}	
Depth (ft bgs)	5	5	5	15	Commercial	
Date	7/16/2025	7/16/2025	7/16/2025	7/16/2025	Chronic	Acute
VOCs by TO-15	Concentrations in µg/m ³					
Isopropylbenzene	<0.983	<0.983	<0.983	<0.983	--	--
Methylene Chloride	<0.694	<0.694	<0.694	<0.694	14,000	--
Methyl Butyl Ketone	<5.11	<5.11	<5.11	<5.11	4,400	--
2-Butanone (MEK)	<3.69	<3.69	<3.69	<3.69	--	500,000
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<5.12	<5.12	440,000	--
Methyl methacrylate	<0.819	<0.819	<0.819	<0.819	100,000	--
Methyl Tert-Butyl Ether	<0.721	<0.721	<0.721	<0.721	1,600	800,000
Naphthalene	<3.30	<3.30	<3.30	<3.30	12.0	20,000
2-Propanol	<3.07	<3.07	<3.07	<3.07	--	--
Propene	<2.15	<2.15	<2.15	<2.15	--	--
n-Propylbenzene	<0.982	<0.982	<0.982	<0.982	150,000	--
Styrene	<1.70	<1.70	<1.70	<1.70	150,000	2,100,000
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<1.37	<1.37	7.1	--
Tetrachloroethene	265	58.8	19.6	371	1,600	4,000
Tetrahydrofuran	<0.590	<0.590	<0.590	<0.590	290,000	--
Toluene	<1.88	<1.88	<1.88	<1.88	730,000	770,000
1,2,4-Trichlorobenzene	<4.66	<4.66	<4.66	<4.66	290	--
1,1,1-Trichloroethane	<1.09	<1.09	<1.09	<1.09	730,000	1,100,000
1,1,2-Trichloroethane	<1.09	<1.09	<1.09	<1.09	26.0	--
Trichloroethene	<1.07	<1.07	<1.07	<1.07	100	210
1,2,4-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	8,800	--
1,3,5-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	8,800	--
2,2,4-Trimethylpentane	<0.934	<0.934	<0.934	<0.934	--	--
Vinyl Chloride	<0.511	<0.511	<0.511	<0.511	93.0	130,000
Vinyl Bromide	<0.875	<0.875	<0.875	<0.875	27.0	--
Vinyl Acetate	<2.22	<2.22	<2.22	<2.22	29,000	20,000
m&p-Xylene	<1.73	<1.73	<1.73	<1.73	15,000	870,000
o-Xylene	<0.867	<0.867	<0.867	<0.867	15,000	870,000
TPH (GC/MS) Low Fraction	<826	<826	<826	<826	40,000	--

Notes:

RBC_{sv} Commercial = Risk-Based Concentrations for soil vapor in commercial settings from Guide to Tables of Vapor Intrusion RBCs Based on EPA VISL Calculations, June 2023.

µg/m³ = Micrograms per cubic meter.

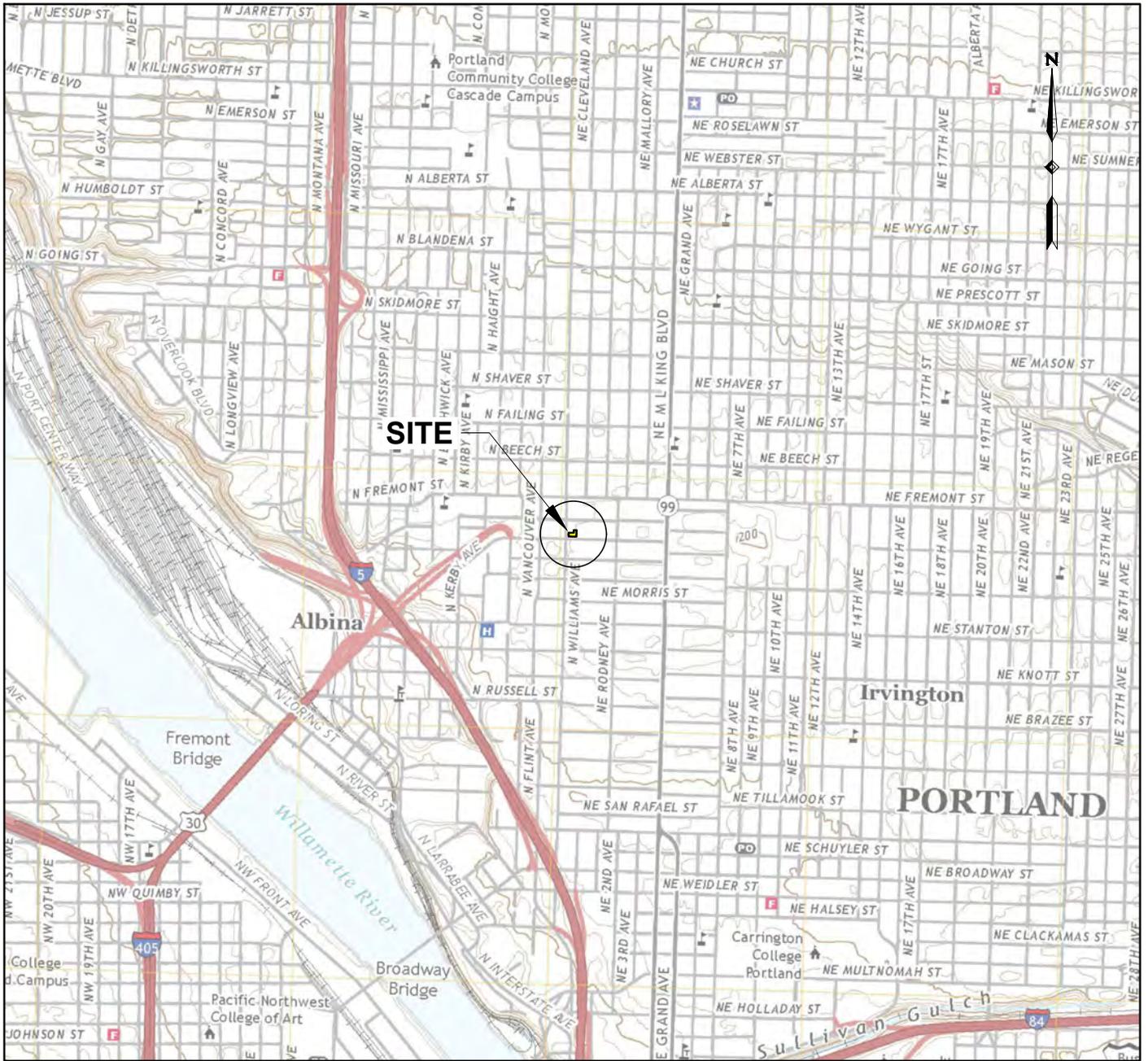
Bold values indicate concentration detected above the minimum reporting limit.

Shaded values exceed occupational soil gas RBC.

VOCs = Volatile organic compounds.

-- = Not available.

M = The relative percent difference between the primary and duplicate sample are above the quality control limit of 30%.



Portland, Oregon

United States Geological Survey
 7.5 Minute Series Topographic Map
 Contour Interval: 10 feet
 Scale: 1 inch = 24,000 feet
 Date: 2020



OREGON

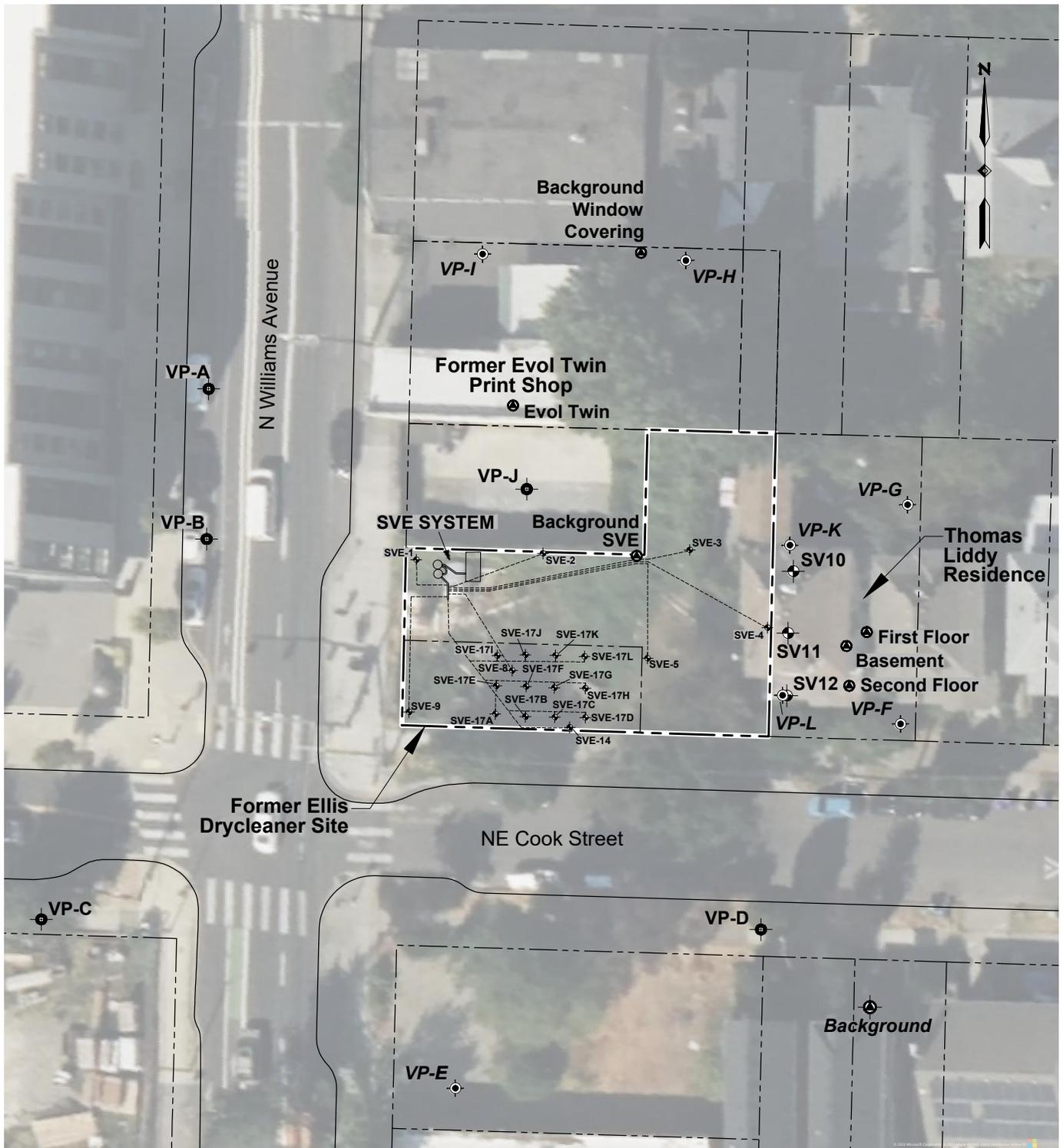
Site Location Map

Air Assessment Report - July 2025 Sampling
 DEQ - Former Ellis Dry Cleaners
 Portland, Oregon

APEX Apex Companies, LLC
 15618 SW 72nd Avenue
 Tigard, Oregon 97224

Project Number: 32-24005460	Drawn: JP	Approved: TC
November 2025		

Figure
1



Legend:

- VP-A** ● Soil Gas Sample Point Location
- VP-E** ● Historical Soil Gas Sample Location

Basement ● Ambient Air Sample Location

Background ● Historical Ambient Air Sample Location

---● SVE Well Location and Piping

SV10



Site Plan

Air Assessment Report - July 2025 Sampling
 DEQ - Former Ellis Dry Cleaners
 Portland, Oregon

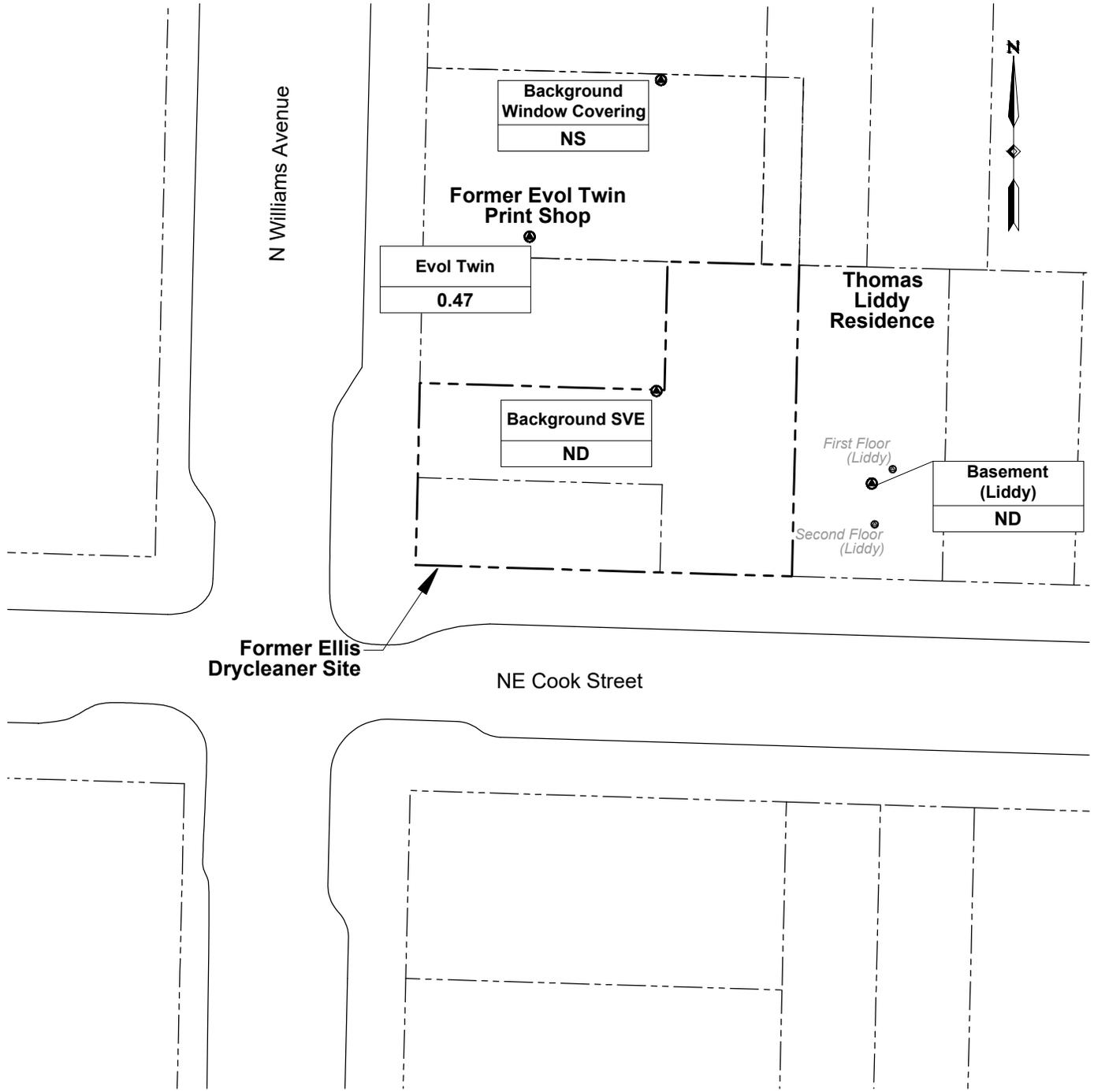
Note: Base map prepared from Tax Lot information from ©Oregon Metro www.oregonmetro.gov/rlis 2021 and a Microsoft Bing aerial (2023).

Apex Companies, LLC
 15618 SW 72nd Avenue
 Tigard, Oregon 97224

Project Number: 32-24005460	Drawn: JP	Approved: TC
November 2025		

Figure
2

I:\Client\DEQ\Ellis\32-24005460 Ellis Dry Cleaners\Report 41 July 25 Event\32-24005460 03_04 (Results).dwg Modified 8/15/2025 by J.Poore



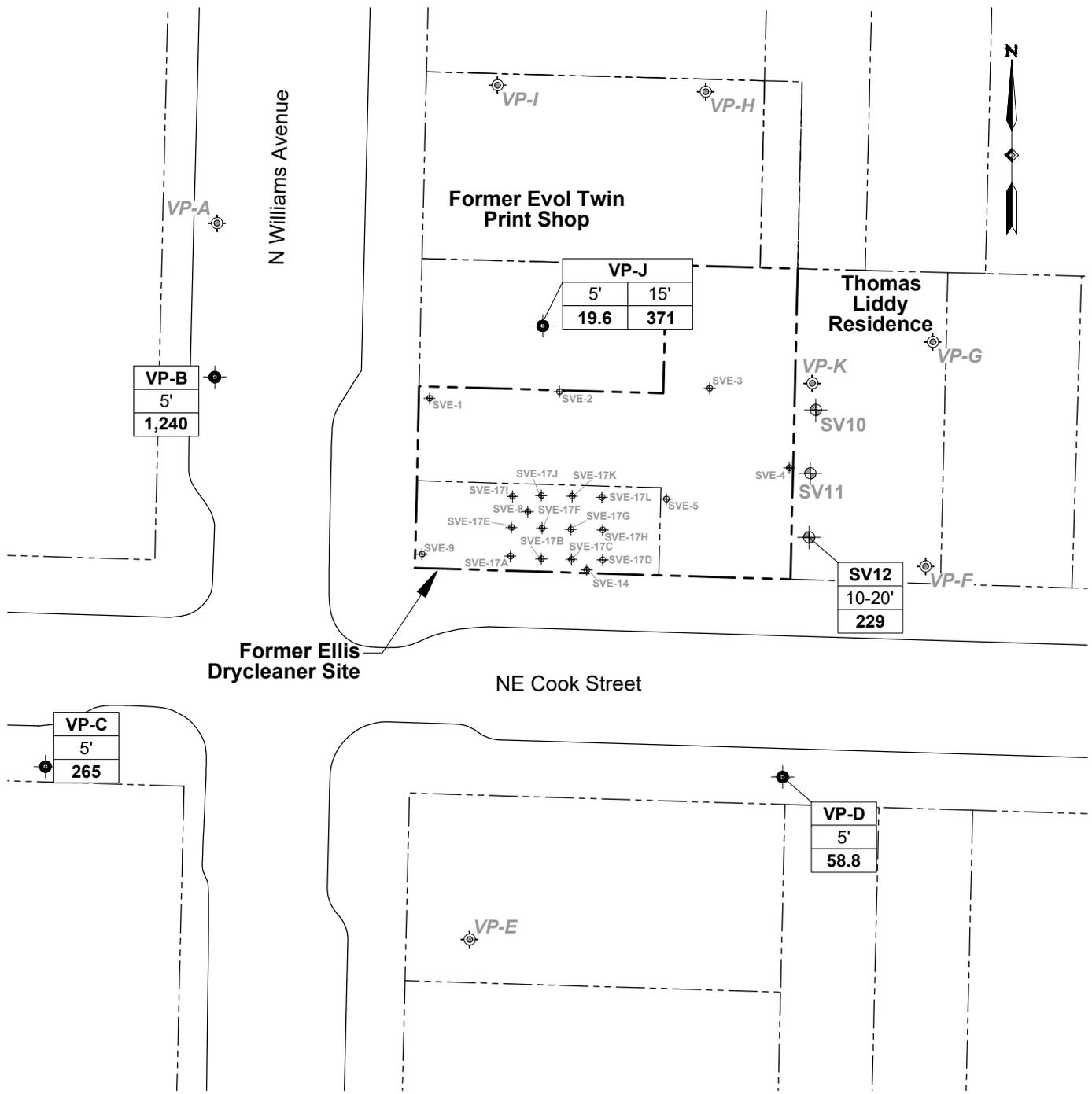
Legend:

- Basement** Ambient Air Sample Location
- First Floor (Liddy)* Historical Ambient Air Sample Location
- Sample Identification
- Tetrachloroethene (PCE) Concentration in Micrograms per Cubic Meter ($\mu\text{g}/\text{m}^3$)
- NS** Not Sampled
- ND** Not Detected



PCE Concentrations in Ambient Air					
Air Assessment Report - July 2025 Sampling DEQ - Former Ellis Dry Cleaners Portland, Oregon					
APEX Tigard, Oregon 97224	Apex Companies, LLC 15618 SW 72nd Avenue		Project Number: 32-24005460	Drawn: JP	Approved: TC
	November 2025			Figure 3	

Note: Base map prepared from Tax Lot information from ©Oregon Metro www.oregonmetro.gov/rliis 2021.



Legend:

- VP-A** Soil Gas Sample Point Location
- VP-E** Historical Soil Gas Sample Location
- SV10** SVE Well Location
- SV12** Sample Identification
- 10-20'** Depth of Sample in Feet
- 229** Tetrachloroethene (PCE) Concentration in Micrograms per Cubic Meter ($\mu\text{g}/\text{m}^3$)



PCE Concentrations in Soil Vapor

Air Assessment Report - July 2025 Sampling
DEQ - Former Ellis Dry Cleaners
Portland, Oregon

Note: Base map prepared from Tax Lot information from © Oregon Metro www.oregonmetro.gov/rliis 2021.

Apex Companies, LLC
15618 SW 72nd Avenue
Tigard, Oregon 97224

Project Number: 32-24005460	Drawn: JP	Approved: TC
--------------------------------	--------------	-----------------

November 2025

Figure
4

Appendix A

Analytical Laboratory Reports and Data Quality Review

Appendix A – Laboratory Report and Quality Assurance Review

1.0 Introduction

This appendix documents the results of a quality assurance/quality control (QA/QC) review of the analytical data for the July 2025 ambient air and soil vapor sampling event at the former Ellis Dry Cleaners site. The soil vapor samples were submitted to Pace Analytical Services, LLC (Pace) in Mt. Juliet, Tennessee under their Price Agreement with the Oregon Department of Environmental Quality (DEQ). The ambient air samples were submitted to Eurofins Air Toxics of Folsom, California. Copies of the analytical laboratory reports are included in this appendix.

Report	Report Date	Sampling Event
L1879352	July 24, 2025	Soil Vapor Samples
2507666	August 7, 2025	Ambient Air Samples

2.0 Data Validation

The QA review included examination and validation of the laboratory data packages for the following:

- Analytical preparation and quantitation methods;
- Analytical method holding times;
- Sample handling;
- Chain of custody handling;
- Reporting and detection limits;
- Method blank detections;
- Trip blank detections;
- Laboratory control samples and surrogates to assess laboratory accuracy;
- Laboratory duplicates to assess laboratory precision; and
- Field duplicates to assess sampling and laboratory precision.

The QA/QC review did not include a review of raw data.

2.1 Data Qualifiers

Any data that is found to have possible bias or error would be qualified and flagged. Based on this QA/QC review of the analytical data, no data flags were applicable.

Appendix A – Laboratory Report and Quality Assurance Review

3.0 Analytical Methods

Chemical analyses of soil vapor samples consisted of the following:

- Volatile organic compounds (VOCs) by U.S. Environmental Protection Agency (EPA) Method TO-15.

Chemical analyses of ambient air samples consisted of the following:

- VOCs by EPA Method TO-17 using Radiello 130 sorbent tubes.

4.0 Quality Assurance Objectives and Review

The general QA objectives for this project were to develop and implement procedures for obtaining, evaluating, and confirming the usability of data of a specified quality for monitoring air quality trends. To collect such information, analytical data must have an appropriate degree of accuracy and reproducibility, samples collected must be representative of actual field conditions, and samples must be collected and analyzed using unbroken chain of custody procedures.

Reporting limits and analytical results were compared to action levels for each parameter in the matrix of concern. Precision, accuracy, representativeness, completeness, and comparability parameters used to indicate data quality are defined below.

4.1 Holding Times and Sample Receipt

The holding time is the minimum amount of time the sample can be stored before analytes start to degrade and are not representative of initial sampling concentrations. Holding times are defined by analytical methods. Samples included in this QA/QC review were analyzed within the method recommended holding time.

Samples were received at ambient temperature by the analytical laboratory. Sampling containers arrived intact and unbroken at the laboratory. The chain of custody (COC) was properly relinquished by the Apex sampler and received by the laboratory following an unbroken format.

4.2 Reporting Limits

Reporting limits are the lowest concentration an instrument is capable of accurately detecting an analyte. They are determined by the laboratory and are based on instrumentation capabilities, the matrix of field samples, sample preparation procedures and suggested reporting limits by the EPA. In some cases, the reporting limits may be raised due to high concentrations of analytes or matrix interferences. Reporting limits

Appendix A – Laboratory Report and Quality Assurance Review

for the sampling event were below applicable Oregon Department of Environmental Quality (DEQ) Risk-Based Concentrations.

4.3 Method Blanks

A method – or laboratory – blank is a quality control sample prepared by the laboratory from an analyte-free matrix and analyzed in an analytical batch along with environmental and other QC samples. It is used to assess laboratory contamination or background interferences. No analytes were detected in the laboratory blanks.

4.4 Trip Blanks

A trip blank is an analyte-free matrix that is taken from the laboratory to the sampling site and transported back to the laboratory unopened. Trip blanks assess contamination introduced during shipping and field handling activities. Trip blanks were not included as part of this sampling event.

4.5 Accuracy

Accuracy compares the accepted reference concentration of an analyte to the concentration determined analytically. Accuracy is measured as a percent recovery. This recovery must be within a certain range or control limit for the data in an analytical batch to be considered acceptable. The analytical laboratory provides quality control samples and surrogates to help determine the accuracy and acceptability of the data reported. These quality control samples and surrogates are discussed below.

4.5.1 Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control duplicate samples (LCSD) were analyzed by the laboratory to assess the accuracy of the analytical methods. One set of LCS and LCSDs were analyzed per analytical batch. The LCS and LCSDs are prepared from an analyte-free matrix that is spiked with known levels of compounds of concern. The concentrations are measured and compared to the known spiked levels; expressed as a percent recovery. LCS and LCSD samples were recovered with control limits for this sampling event.

4.5.2 Surrogates

Surrogates are organic compounds that are similar in chemical composition to the analytes of interest but are not likely to be found in the environment. They are spiked at a known concentration into environmental and batch QC samples prior to sample preparation and analysis. Surrogate recoveries for environmental samples are used to evaluate matrix interference, sample preparation efficiency and analysis performance on a sample-specific basis. Surrogates were recovered within the laboratory control limits.

Appendix A – Laboratory Report and Quality Assurance Review

4.5.3 Instrument Calibration Range

For Radiello 130 passive samplers, target compounds are adsorbed to a sorbent material. This sorbent material cannot be diluted for analysis due to the desorbing procedure. If target compounds are present above the upper calibration range, then results are reported as-is without dilution and these results would be considered estimated since instrument response above the calibration range may be inaccurate or imprecise. Recovery of all target compounds was within the calibration range.

4.5.4 Labeled Standards

Labeled standards are spiked directly into samples before preparation to determine matrix interferences and concentration of analytes. Labeled standards were within quality control limits.

4.6 Precision

Precision is measured by how close values of duplicate analyses are to each other. These duplicate analyses are prepared from separate aliquots of the same sample and are analyzed at the same (or similar) time. Precision in the field ensures that samples taken are representative of field concentrations; this is demonstrated by field duplicates. Analytical precision is the ability of the laboratory to reproduce results that are similar to each other; this is measured through duplicate analysis of environmental and batch QC samples. Precision is estimated by the relative percent difference (RPD) between the original analysis and the duplicate analysis.

4.6.1 Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed by the laboratory to assess the accuracy of the analytical methods. One set of LCS and LCSDs were analyzed per analytical batch. The LCS and LCSDs are prepared from an analyte-free matrix that is spiked with known levels of compounds of concern. The concentrations are measured and compared to the known spiked levels; expressed as a percent recovery. RPDs were within control limits.

4.6.2 Field Duplicate

A field duplicate is a second field sample collected from a selected sample location. Field duplicate samples serve as a check on laboratory precision, sampling quality, and potential variability of the sample matrix. The field duplicate is analyzed and compared to the original sample to assess precision. This comparison can be expressed by the RPD between the original and duplicate samples. No field duplicate was collected at the July 2025 sampling event due to an interruption during the collection period.

Appendix A – Laboratory Report and Quality Assurance Review

5.0 Conclusion

In conclusion, the QA objectives have been met and the data are of sufficient quality for use in this project.

Analytical Report

8/7/2025

Ms. Tess Chadil
Apex Companies, LLC
15618 SW 72nd Ave

Tigard OR 97224

Project Name: Former Ellis Dry Cleaners
Project #: 24005460
Workorder #: 2507666

Dear Ms. Tess Chadil

The following report includes the data for the above referenced project for sample(s) received on 7/25/2025 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Passive S.E. RAD130/SKC are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Monica Tran at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Monica Tran
Project Manager

WORK ORDER #: 2507666

Work Order Summary

CLIENT: Ms. Tess Chadil
Apex Companies, LLC
15618 SW 72nd Ave
Tigard, OR 97224

BILL TO: Accounts Payable
Apex Companies, LLC
15618 SW 72nd Ave
Tigard, OR 97224

PHONE: 503-924-4704

FAX: 503-924-4707

DATE RECEIVED: 07/25/2025

DATE COMPLETED: 08/07/2025

P.O. # 32-24005460

PROJECT # 24005460 Former Ellis Dry Cleaners

CONTACT: Monica Tran

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	Background SVE	Passive S.E. RAD130/SKC
02A	Evol Twin	Passive S.E. RAD130/SKC
03A	Liddy Basement	Passive S.E. RAD130/SKC
04A	Lab Blank	Passive S.E. RAD130/SKC
05A	CCV	Passive S.E. RAD130/SKC
06A	LCS	Passive S.E. RAD130/SKC
06AA	LCSD	Passive S.E. RAD130/SKC

CERTIFIED BY:



Technical Director

DATE: 08/07/25

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP-02089, MN NELAP-2836569, NH NELAP-209224-A, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-13180, WA NELAP-C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-21

Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

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**LABORATORY NARRATIVE
RAD130 Passive SE by Mod EPA TO-17
Apex Companies, LLC
Workorder# 2507666**

Three Radiello 130 (Solvent) samples were received on July 25, 2025. The laboratory analyzed the charcoal sorbent bed of the passive sampler following modified method EPA TO-17. The VOCs were chemically extracted using carbon disulfide and an aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

The reference method used for this procedure is EPA TO-17, which describes the collection of VOCs in ambient air using sorbents and analysis by GC/MS. Because TO-17 describes active sample collection using a pump and thermal desorption as the preparation step, several modifications are required. Modifications to TO-17 are listed in the table below:

<i>Requirement</i>	<i>TO-17</i>	<i>ATL Modifications</i>
Sample Collection	Pump pulls measured air volume through sorbent tube	VOCs in air adsorbed onto sorbent bed passively through diffusion
Sample Preparation	Thermal extraction	Solvent extraction
Sorbent tube conditioning	Condition newly packed tubes prior to use	Charcoal-based sorbent is a single use media and conditioning is conducted by vendor.
Instrumentation	Thermal desorption introduction system	Liquid injection introduction system
Internal Standard	Gas-phase internal standard introduced on the tube or focusing trap during analysis	Liquid-phase internal standard introduced on the tube at the time of extraction
Media and sample storage	<4 deg C, 30 days	Media shelf life is determined by vendor; sample hold-time is 6 months for the RAD130 and WMS. Sample preservation requirements are storage in a cool, solvent-free refrigerator and optional use of ice during shipping.
Internal Standard Recovery	+/-40% of daily CCV area	-50% to +100% of daily CCV area

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The uptake rates were corrected based on average field temperatures if provided. In the absence of field temperatures, the uptake rates determined at 25 deg C were used.

To calculate ug/m³ concentrations in the Lab Blank, a sampling duration of 10175 minutes was applied. The assumed temperature used for the uptake rate is listed on the data page. If the field temperatures were provided, the rate was adjusted in the same manner as the field samples.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

C - Estimated concentration due to calculated sampling rate

CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: Background SVE

Lab ID#: 2507666-01A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Hexane	0.10	0.15	0.12	0.18
2-Butanone (Methyl Ethyl Ketone)	0.20	0.25	0.22	0.28
Carbon Tetrachloride	0.10	0.15	0.23	0.34
Toluene	0.10	0.13	0.46	0.62
Ethyl Benzene	0.10	0.14	0.13	0.19
m,p-Xylene	0.10	0.14	0.52	0.73
o-Xylene	0.10	0.15	0.17	0.25
1,2,4-Trimethylbenzene	0.10	0.20	0.13	0.26

Client Sample ID: Evol Twin

Lab ID#: 2507666-02A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Ethanol	1.0	0.96	51	49
Hexane	0.10	0.15	0.21	0.32
Ethyl Acetate	0.40	0.50	2.9	3.6
2-Butanone (Methyl Ethyl Ketone)	0.20	0.25	1.4	1.8
Chloroform	0.10	0.13	1.5	2.0
Cyclohexane	0.10	0.18	0.22	0.39
Carbon Tetrachloride	0.10	0.15	0.21	0.30
Heptane	0.10	0.17	0.35	0.60
4-Methyl-2-pentanone	0.20	0.29	0.20	0.30
Toluene	0.10	0.13	1.5	2.0
Tetrachloroethene	0.10	0.17	0.28	0.47
Ethyl Benzene	0.10	0.14	0.44	0.63
m,p-Xylene	0.10	0.14	1.0	1.5
o-Xylene	0.10	0.15	0.54	0.81
Styrene	0.10	0.16	0.11	0.18
Propylbenzene	0.10	0.17	0.70	1.2
1,2,4-Trimethylbenzene	0.10	0.20	5.1	10

**Summary of Detected Compounds
VOCS BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: Liddy Basement

Lab ID#: 2507666-03A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Hexane	0.10	0.15	0.14	0.21
Ethyl Acetate	0.40	0.51	0.40	0.51
2-Butanone (Methyl Ethyl Ketone)	0.20	0.25	0.35	0.44
Chloroform	0.10	0.13	0.10	0.14
Cyclohexane	0.10	0.18	0.27	0.50
Carbon Tetrachloride	0.10	0.15	0.17	0.25
Heptane	0.10	0.17	1.4	2.3
Toluene	0.10	0.13	2.5	3.4
Ethyl Benzene	0.10	0.14	0.19	0.28
m,p-Xylene	0.10	0.14	0.68	0.96
o-Xylene	0.10	0.15	0.18	0.28
1,2,4-Trimethylbenzene	0.10	0.20	0.10	0.20

Client Sample ID: Background SVE

Lab ID#: 2507666-01A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18072810sim	Date of Collection:	7/23/25 11:00:00 AM
Dil. Factor:	1.00	Date of Analysis:	7/28/25 12:41 PM
		Date of Extraction:	7/28/25

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Ethanol	1.0	0.96	Not Detected	Not Detected
Methyl tert-butyl ether	0.10	0.15	Not Detected	Not Detected
Hexane	0.10	0.15	0.12	0.18
Ethyl Acetate	0.40	0.50	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.20	0.25	0.22	0.28
Chloroform	0.10	0.13	Not Detected	Not Detected
1,1,1-Trichloroethane	0.10	0.16	Not Detected	Not Detected
Cyclohexane	0.10	0.18	Not Detected	Not Detected
Carbon Tetrachloride	0.10	0.15	0.23	0.34
Benzene	0.40	0.49	Not Detected	Not Detected
1,2-Dichloroethane	0.10	0.13	Not Detected	Not Detected
Heptane	0.10	0.17	Not Detected	Not Detected
Trichloroethene	0.10	0.14	Not Detected	Not Detected
4-Methyl-2-pentanone	0.20	0.29	Not Detected	Not Detected
Toluene	0.10	0.13	0.46	0.62
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
Chlorobenzene	0.10	0.14	Not Detected	Not Detected
Ethyl Benzene	0.10	0.14	0.13	0.19
m,p-Xylene	0.10	0.14	0.52	0.73
o-Xylene	0.10	0.15	0.17	0.25
Styrene	0.10	0.16	Not Detected	Not Detected
Propylbenzene	0.10	0.17	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.10	0.20	0.13	0.26
1,4-Dichlorobenzene	0.10	0.19	Not Detected	Not Detected
Naphthalene	0.10	0.39	Not Detected	Not Detected

Temperature = 77.0F , duration time = 10164 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

Client Sample ID: Evol Twin

Lab ID#: 2507666-02A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18072811sim	Date of Collection:	7/23/25 11:09:00 AM
Dil. Factor:	1.00	Date of Analysis:	7/28/25 01:09 PM
		Date of Extraction:	7/28/25

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Ethanol	1.0	0.96	51	49
Methyl tert-butyl ether	0.10	0.15	Not Detected	Not Detected
Hexane	0.10	0.15	0.21	0.32
Ethyl Acetate	0.40	0.50	2.9	3.6
2-Butanone (Methyl Ethyl Ketone)	0.20	0.25	1.4	1.8
Chloroform	0.10	0.13	1.5	2.0
1,1,1-Trichloroethane	0.10	0.16	Not Detected	Not Detected
Cyclohexane	0.10	0.18	0.22	0.39
Carbon Tetrachloride	0.10	0.15	0.21	0.30
Benzene	0.40	0.49	Not Detected	Not Detected
1,2-Dichloroethane	0.10	0.13	Not Detected	Not Detected
Heptane	0.10	0.17	0.35	0.60
Trichloroethene	0.10	0.14	Not Detected	Not Detected
4-Methyl-2-pentanone	0.20	0.29	0.20	0.30
Toluene	0.10	0.13	1.5	2.0
Tetrachloroethene	0.10	0.17	0.28	0.47
Chlorobenzene	0.10	0.14	Not Detected	Not Detected
Ethyl Benzene	0.10	0.14	0.44	0.63
m,p-Xylene	0.10	0.14	1.0	1.5
o-Xylene	0.10	0.15	0.54	0.81
Styrene	0.10	0.16	0.11	0.18
Propylbenzene	0.10	0.17	0.70	1.2
1,2,4-Trimethylbenzene	0.10	0.20	5.1	10
1,4-Dichlorobenzene	0.10	0.19	Not Detected	Not Detected
Naphthalene	0.10	0.39	Not Detected	Not Detected

Temperature = 77.0F , duration time = 10175 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

Client Sample ID: Liddy Basement

Lab ID#: 2507666-03A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18072812sim	Date of Collection:	7/23/25 11:15:00 AM
Dil. Factor:	1.00	Date of Analysis:	7/28/25 01:36 PM
		Date of Extraction:	7/28/25

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Ethanol	1.0	0.97	Not Detected	Not Detected
Methyl tert-butyl ether	0.10	0.15	Not Detected	Not Detected
Hexane	0.10	0.15	0.14	0.21
Ethyl Acetate	0.40	0.51	0.40	0.51
2-Butanone (Methyl Ethyl Ketone)	0.20	0.25	0.35	0.44
Chloroform	0.10	0.13	0.10	0.14
1,1,1-Trichloroethane	0.10	0.16	Not Detected	Not Detected
Cyclohexane	0.10	0.18	0.27	0.50
Carbon Tetrachloride	0.10	0.15	0.17	0.25
Benzene	0.40	0.50	Not Detected	Not Detected
1,2-Dichloroethane	0.10	0.13	Not Detected	Not Detected
Heptane	0.10	0.17	1.4	2.3
Trichloroethene	0.10	0.14	Not Detected	Not Detected
4-Methyl-2-pentanone	0.20	0.30	Not Detected	Not Detected
Toluene	0.10	0.13	2.5	3.4
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
Chlorobenzene	0.10	0.14	Not Detected	Not Detected
Ethyl Benzene	0.10	0.14	0.19	0.28
m,p-Xylene	0.10	0.14	0.68	0.96
o-Xylene	0.10	0.15	0.18	0.28
Styrene	0.10	0.16	Not Detected	Not Detected
Propylbenzene	0.10	0.17	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.10	0.20	0.10	0.20
1,4-Dichlorobenzene	0.10	0.19	Not Detected	Not Detected
Naphthalene	0.10	0.40	Not Detected	Not Detected

Temperature = 77.0F , duration time = 10095 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

Client Sample ID: Lab Blank

Lab ID#: 2507666-04A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18072805sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	7/28/25 10:13 AM
		Date of Extraction:	7/28/25

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Ethanol	1.0	0.96	Not Detected	Not Detected
Methyl tert-butyl ether	0.10	0.15	Not Detected	Not Detected
Hexane	0.10	0.15	Not Detected	Not Detected
Ethyl Acetate	0.40	0.50	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.20	0.25	Not Detected	Not Detected
Chloroform	0.10	0.13	Not Detected	Not Detected
1,1,1-Trichloroethane	0.10	0.16	Not Detected	Not Detected
Cyclohexane	0.10	0.18	Not Detected	Not Detected
Carbon Tetrachloride	0.10	0.15	Not Detected	Not Detected
Benzene	0.40	0.49	Not Detected	Not Detected
1,2-Dichloroethane	0.10	0.13	Not Detected	Not Detected
Heptane	0.10	0.17	Not Detected	Not Detected
Trichloroethene	0.10	0.14	Not Detected	Not Detected
4-Methyl-2-pentanone	0.20	0.29	Not Detected	Not Detected
Toluene	0.10	0.13	Not Detected	Not Detected
Tetrachloroethene	0.10	0.17	Not Detected	Not Detected
Chlorobenzene	0.10	0.14	Not Detected	Not Detected
Ethyl Benzene	0.10	0.14	Not Detected	Not Detected
m,p-Xylene	0.10	0.14	Not Detected	Not Detected
o-Xylene	0.10	0.15	Not Detected	Not Detected
Styrene	0.10	0.16	Not Detected	Not Detected
Propylbenzene	0.10	0.17	Not Detected	Not Detected
1,2,4-Trimethylbenzene	0.10	0.20	Not Detected	Not Detected
1,4-Dichlorobenzene	0.10	0.19	Not Detected	Not Detected
Naphthalene	0.10	0.39	Not Detected	Not Detected

Temperature = 77.0F , duration time = 10175 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 2507666-05A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18072802sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	7/28/25 08:53 AM
		Date of Extraction:	NA

Compound	%Recovery
Ethanol	104
Methyl tert-butyl ether	106
Hexane	88
Ethyl Acetate	97
2-Butanone (Methyl Ethyl Ketone)	101
Chloroform	103
1,1,1-Trichloroethane	101
Cyclohexane	92
Carbon Tetrachloride	101
Benzene	93
1,2-Dichloroethane	97
Heptane	91
Trichloroethene	97
4-Methyl-2-pentanone	90
Toluene	94
Tetrachloroethene	98
Chlorobenzene	92
Ethyl Benzene	92
m,p-Xylene	93
o-Xylene	92
Styrene	89
Propylbenzene	92
1,2,4-Trimethylbenzene	92
1,4-Dichlorobenzene	94
Naphthalene	81

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130

Client Sample ID: LCS

Lab ID#: 2507666-06A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18072803sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	7/28/25 09:20 AM
		Date of Extraction:	7/28/25

Compound	%Recovery	Method Limits
Ethanol	55	50-130
Methyl tert-butyl ether	110	70-130
Hexane	96	70-130
Ethyl Acetate	101	70-130
2-Butanone (Methyl Ethyl Ketone)	99	70-130
Chloroform	108	70-130
1,1,1-Trichloroethane	105	70-130
Cyclohexane	102	70-130
Carbon Tetrachloride	106	70-130
Benzene	96	70-130
1,2-Dichloroethane	98	70-130
Heptane	100	70-130
Trichloroethene	104	70-130
4-Methyl-2-pentanone	98	70-130
Toluene	100	70-130
Tetrachloroethene	106	70-130
Chlorobenzene	98	70-130
Ethyl Benzene	102	70-130
m,p-Xylene	100	70-130
o-Xylene	99	70-130
Styrene	71	20-100
Propylbenzene	103	70-130
1,2,4-Trimethylbenzene	98	70-130
1,4-Dichlorobenzene	93	50-110
Naphthalene	30	5-80

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130

Client Sample ID: LCSD

Lab ID#: 2507666-06AA

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18072804sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	7/28/25 09:46 AM
		Date of Extraction:	7/28/25

Compound	%Recovery	Method Limits
Ethanol	55	50-130
Methyl tert-butyl ether	112	70-130
Hexane	97	70-130
Ethyl Acetate	102	70-130
2-Butanone (Methyl Ethyl Ketone)	101	70-130
Chloroform	109	70-130
1,1,1-Trichloroethane	106	70-130
Cyclohexane	102	70-130
Carbon Tetrachloride	107	70-130
Benzene	97	70-130
1,2-Dichloroethane	99	70-130
Heptane	100	70-130
Trichloroethene	104	70-130
4-Methyl-2-pentanone	100	70-130
Toluene	101	70-130
Tetrachloroethene	106	70-130
Chlorobenzene	98	70-130
Ethyl Benzene	102	70-130
m,p-Xylene	101	70-130
o-Xylene	99	70-130
Styrene	71	20-100
Propylbenzene	105	70-130
1,2,4-Trimethylbenzene	99	70-130
1,4-Dichlorobenzene	94	50-110
Naphthalene	30	5-80

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130

Method : Passive SE GC/MS - Full 130 (rev 2023)

CAS Number	Compound	Rpt. Limit (ug)
64-17-5	Ethanol	1.0
1634-04-4	Methyl tert-butyl ether	0.10
110-54-3	Hexane	0.10
141-78-6	Ethyl Acetate	0.40
78-93-3	2-Butanone (Methyl Ethyl Ketone)	0.20
67-66-3	Chloroform	0.10
71-55-6	1,1,1-Trichloroethane	0.10
110-82-7	Cyclohexane	0.10
56-23-5	Carbon Tetrachloride	0.10
71-43-2	Benzene	0.40
107-06-2	1,2-Dichloroethane	0.10
142-82-5	Heptane	0.10
79-01-6	Trichloroethene	0.10
108-10-1	4-Methyl-2-pentanone	0.20
108-88-3	Toluene	0.10
127-18-4	Tetrachloroethene	0.10
108-90-7	Chlorobenzene	0.10
100-41-4	Ethyl Benzene	0.10
108-38-3	m,p-Xylene	0.10
95-47-6	o-Xylene	0.10
100-42-5	Styrene	0.10
103-65-1	Propylbenzene	0.10
95-63-6	1,2,4-Trimethylbenzene	0.10
106-46-7	1,4-Dichlorobenzene	0.10
91-20-3	Naphthalene	0.10

	Surrogate	Method Limits
2037-26-5	Toluene-d8	70-130

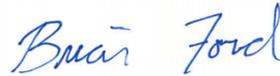


Oregon Dept. of Env. Quality - ODEQ

Sample Delivery Group: L1879352
Samples Received: 07/17/2025
Project Number: 24005460
Description: Former Ellis Dry Cleaners

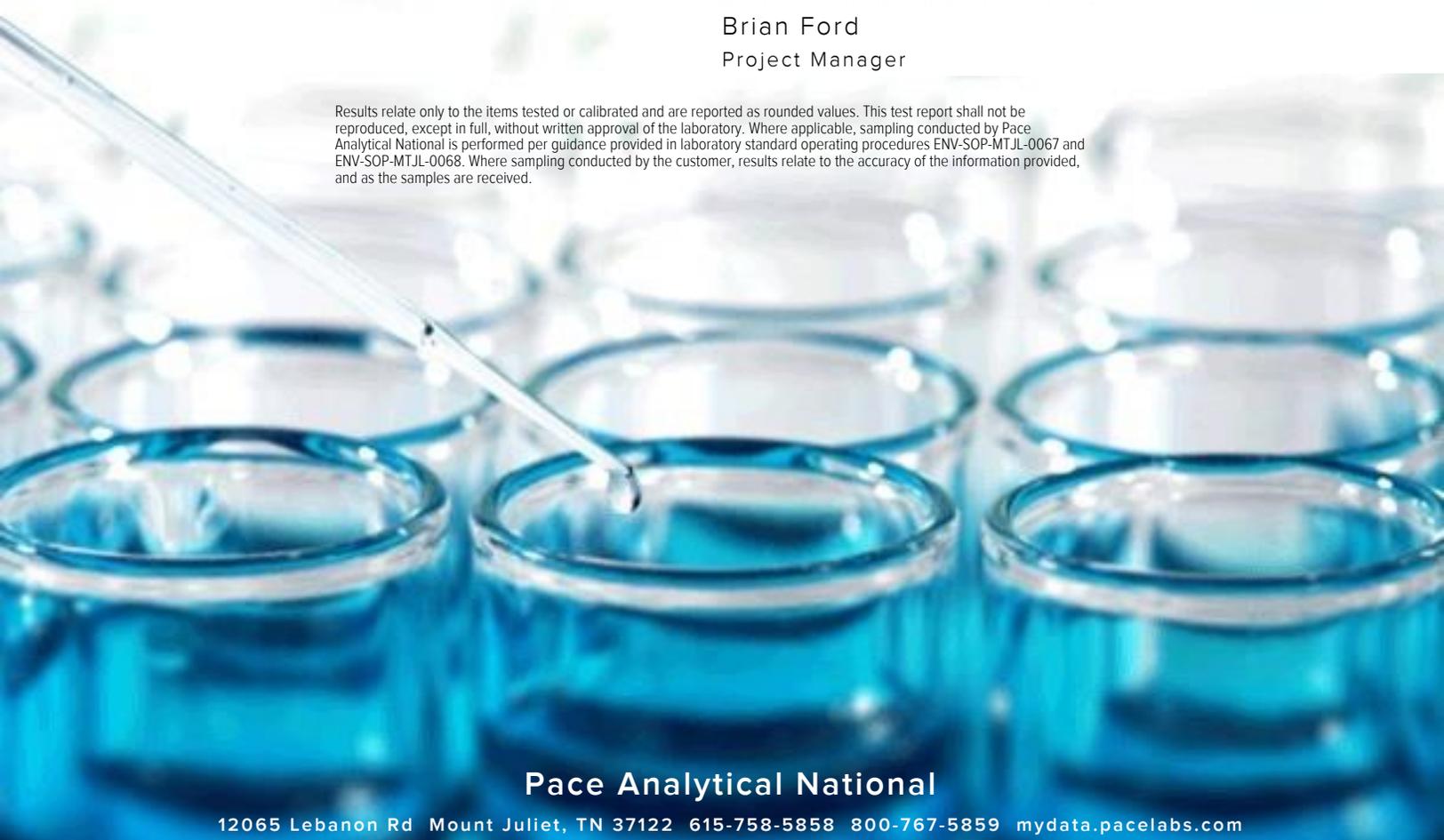
Report To: Kara Master
3150 NW 229th St., Suite 150
Hillsboro, OR 97124

Entire Report Reviewed By:



Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

VP-J (5) L1879352-01

Collected by: Chris Weer
 Collected date/time: 07/16/25 10:00
 Received date/time: 07/17/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2562165	1	07/18/25 14:49	07/18/25 14:49	GH	Mt. Juliet, TN

VP-J (15) L1879352-02

Collected by: Chris Weer
 Collected date/time: 07/16/25 10:00
 Received date/time: 07/17/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2562165	1	07/18/25 15:20	07/18/25 15:20	GH	Mt. Juliet, TN

SV-12 L1879352-03

Collected by: Chris Weer
 Collected date/time: 07/16/25 12:03
 Received date/time: 07/17/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2562165	1	07/18/25 15:50	07/18/25 15:50	GH	Mt. Juliet, TN

VP-B L1879352-04

Collected by: Chris Weer
 Collected date/time: 07/16/25 11:23
 Received date/time: 07/17/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2562165	1	07/18/25 16:21	07/18/25 16:21	GH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2564869	10	07/23/25 15:03	07/23/25 15:03	SSB	Mt. Juliet, TN

VP-C L1879352-05

Collected by: Chris Weer
 Collected date/time: 07/16/25 11:13
 Received date/time: 07/17/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2562165	1	07/18/25 16:52	07/18/25 16:52	GH	Mt. Juliet, TN

DUP L1879352-07

Collected by: Chris Weer
 Collected date/time: 07/16/25 11:08
 Received date/time: 07/17/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2562165	1	07/18/25 17:22	07/18/25 17:22	GH	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Brian Ford
Project Manager

Project Narrative

L1879352-06 (VP-D): Could not be analyzed due to damaged summa canister. Summa canister was received damaged.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	1.66	3.94		1	WG2562165
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2562165
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2562165
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2562165
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2562165
Bromoform	75-25-2	253	0.630	6.52	ND	ND		1	WG2562165
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2562165
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2562165
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2562165
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2562165
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2562165
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2562165
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2562165
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2562165
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2562165
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2562165
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2562165
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2562165
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2562165
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2562165
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2562165
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2562165
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2562165
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2562165
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2562165
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2562165
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2562165
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2562165
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2562165
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2562165
Ethanol	64-17-5	46.10	2.50	4.71	ND	ND		1	WG2562165
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2562165
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2562165
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.222	1.25		1	WG2562165
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.569	2.81		1	WG2562165
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2562165
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2562165
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2562165
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2562165
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2562165
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2562165
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2562165
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2562165
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2562165
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2562165
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2562165
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2562165
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2562165
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2562165
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2562165
n-Propylbenzene	103-65-1	120	0.200	0.982	ND	ND		1	WG2562165
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2562165
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2562165
Tetrachloroethylene	127-18-4	166	0.200	1.36	2.89	19.6		1	WG2562165
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2562165
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2562165

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2562165
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2562165
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2562165
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2562165
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2562165
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2562165
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2562165
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2562165
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2562165
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2562165
m&p-Xylene		106	0.400	1.73	ND	ND		1	WG2562165
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2562165
TPH (GC/MS) Low Fraction	8006-61-9	101	200	826	ND	ND		1	WG2562165
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		93.6				WG2562165

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.39	5.68		1	WG2562165
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2562165
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2562165
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2562165
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2562165
Bromoform	75-25-2	253	0.630	6.52	ND	ND		1	WG2562165
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2562165
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2562165
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2562165
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2562165
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2562165
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2562165
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2562165
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2562165
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2562165
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2562165
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2562165
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2562165
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2562165
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2562165
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2562165
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2562165
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2562165
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2562165
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2562165
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2562165
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2562165
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2562165
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2562165
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2562165
Ethanol	64-17-5	46.10	2.50	4.71	ND	ND		1	WG2562165
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2562165
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2562165
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.305	1.71		1	WG2562165
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	2.25	11.1		1	WG2562165
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2562165
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2562165
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2562165
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2562165
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2562165
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2562165
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2562165
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2562165
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2562165
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2562165
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2562165
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2562165
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2562165
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2562165
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2562165
n-Propylbenzene	103-65-1	120	0.200	0.982	ND	ND		1	WG2562165
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2562165
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2562165
Tetrachloroethylene	127-18-4	166	0.200	1.36	54.7	371		1	WG2562165
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2562165
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2562165

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2562165
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2562165
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2562165
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2562165
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2562165
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2562165
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2562165
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2562165
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2562165
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2562165
m&p-Xylene		106	0.400	1.73	ND	ND		1	WG2562165
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2562165
TPH (GC/MS) Low Fraction	8006-61-9	101	200	826	ND	ND		1	WG2562165
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		93.8				WG2562165

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	ND	ND		1	WG2562165
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2562165
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2562165
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2562165
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2562165
Bromoform	75-25-2	253	0.630	6.52	ND	ND		1	WG2562165
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2562165
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2562165
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2562165
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2562165
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2562165
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2562165
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2562165
Chloromethane	74-87-3	50.50	0.200	0.413	0.227	0.469		1	WG2562165
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2562165
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2562165
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2562165
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2562165
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2562165
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2562165
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2562165
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2562165
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2562165
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2562165
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2562165
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2562165
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2562165
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2562165
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2562165
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2562165
Ethanol	64-17-5	46.10	2.50	4.71	ND	ND		1	WG2562165
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2562165
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2562165
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.306	1.72		1	WG2562165
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.498	2.46		1	WG2562165
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2562165
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2562165
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2562165
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2562165
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2562165
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2562165
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2562165
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2562165
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2562165
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2562165
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2562165
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2562165
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2562165
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2562165
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2562165
n-Propylbenzene	103-65-1	120	0.200	0.982	ND	ND		1	WG2562165
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2562165
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2562165
Tetrachloroethylene	127-18-4	166	0.200	1.36	33.7	229		1	WG2562165
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2562165
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2562165

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2562165
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2562165
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2562165
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2562165
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2562165
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2562165
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2562165
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2562165
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2562165
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2562165
m&p-Xylene		106	0.400	1.73	ND	ND		1	WG2562165
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2562165
TPH (GC/MS) Low Fraction	8006-61-9	101	200	826	ND	ND		1	WG2562165
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		92.4				WG2562165

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.06	7.27		1	WG2562165
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2562165
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2562165
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2562165
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2562165
Bromoform	75-25-2	253	0.630	6.52	ND	ND		1	WG2562165
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2562165
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2562165
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2562165
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2562165
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2562165
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2562165
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2562165
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2562165
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2562165
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2562165
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2562165
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2562165
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2562165
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2562165
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2562165
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2562165
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2562165
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2562165
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2562165
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2562165
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2562165
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2562165
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2562165
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2562165
Ethanol	64-17-5	46.10	2.50	4.71	3.50	6.60		1	WG2562165
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2562165
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2562165
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2562165
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.576	2.85		1	WG2562165
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2562165
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2562165
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2562165
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2562165
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2562165
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2562165
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2562165
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2562165
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2562165
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2562165
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2562165
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2562165
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2562165
2-Propanol	67-63-0	60.10	1.25	3.07	1.47	3.61		1	WG2562165
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2562165
n-Propylbenzene	103-65-1	120	0.200	0.982	ND	ND		1	WG2562165
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2562165
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2562165
Tetrachloroethylene	127-18-4	166	2.00	13.6	182	1240		10	WG2564869
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2562165
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2562165

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2562165
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2562165
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2562165
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2562165
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2562165
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2562165
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2562165
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2562165
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2562165
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2562165
m&p-Xylene		106	0.400	1.73	ND	ND		1	WG2562165
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2562165
TPH (GC/MS) Low Fraction	8006-61-9	101	200	826	318	1310		1	WG2562165
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		91.9				WG2562165
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		90.6				WG2564869

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	3.95	9.39		1	WG2562165
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2562165
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2562165
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2562165
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2562165
Bromoform	75-25-2	253	0.630	6.52	ND	ND		1	WG2562165
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2562165
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2562165
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2562165
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2562165
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2562165
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2562165
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2562165
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2562165
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2562165
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2562165
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2562165
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2562165
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2562165
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2562165
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2562165
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2562165
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2562165
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2562165
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2562165
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2562165
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2562165
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2562165
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2562165
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2562165
Ethanol	64-17-5	46.10	2.50	4.71	ND	ND		1	WG2562165
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2562165
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2562165
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2562165
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.474	2.34		1	WG2562165
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2562165
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2562165
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2562165
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2562165
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2562165
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2562165
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2562165
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2562165
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2562165
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2562165
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2562165
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2562165
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2562165
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2562165
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2562165
n-Propylbenzene	103-65-1	120	0.200	0.982	ND	ND		1	WG2562165
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2562165
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2562165
Tetrachloroethylene	127-18-4	166	0.200	1.36	39.1	265		1	WG2562165
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2562165
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2562165

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2562165
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2562165
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2562165
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2562165
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2562165
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2562165
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2562165
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2562165
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2562165
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2562165
m&p-Xylene		106	0.400	1.73	ND	ND		1	WG2562165
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2562165
TPH (GC/MS) Low Fraction	8006-61-9	101	200	826	ND	ND		1	WG2562165
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		91.3				WG2562165

1
Cp

2
Tc

3
Ss

4
Cn

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Sr

6
Qc

7
Gl

8
Al

9
Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	1.34	3.18		1	WG2562165
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2562165
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2562165
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2562165
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2562165
Bromoform	75-25-2	253	0.630	6.52	ND	ND		1	WG2562165
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2562165
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2562165
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2562165
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2562165
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2562165
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2562165
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2562165
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2562165
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2562165
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2562165
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2562165
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2562165
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2562165
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2562165
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2562165
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2562165
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2562165
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2562165
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2562165
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2562165
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2562165
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2562165
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2562165
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2562165
Ethanol	64-17-5	46.10	2.50	4.71	ND	ND		1	WG2562165
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG2562165
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2562165
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2562165
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.593	2.93		1	WG2562165
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2562165
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2562165
Heptane	142-82-5	100	0.200	0.818	ND	ND		1	WG2562165
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2562165
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2562165
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2562165
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2562165
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2562165
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2562165
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2562165
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2562165
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2562165
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2562165
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2562165
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2562165
n-Propylbenzene	103-65-1	120	0.200	0.982	ND	ND		1	WG2562165
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2562165
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2562165
Tetrachloroethylene	127-18-4	166	0.200	1.36	8.66	58.8		1	WG2562165
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2562165
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG2562165

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2562165
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2562165
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2562165
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2562165
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG2562165
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG2562165
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2562165
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2562165
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2562165
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2562165
m&p-Xylene		106	0.400	1.73	ND	ND		1	WG2562165
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG2562165
TPH (GC/MS) Low Fraction	8006-61-9	101	200	826	ND	ND		1	WG2562165
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		92.7				WG2562165

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4247929-2 07/18/25 13:16

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.520	1.25
Allyl chloride	U		0.186	0.200
Benzene	U		0.110	0.200
Benzyl Chloride	U		0.0888	0.200
Bromodichloromethane	U		0.0695	0.200
Bromoform	U		0.0755	0.630
Bromomethane	U		0.0938	0.200
1,3-Butadiene	U		0.158	2.00
Carbon disulfide	U		0.160	0.400
Carbon tetrachloride	U		0.0746	0.200
Chlorobenzene	U		0.118	0.200
Chloroethane	U		0.110	0.200
Chloroform	U		0.104	0.200
Chloromethane	U		0.110	0.200
2-Chlorotoluene	U		0.0787	0.200
Cyclohexane	U		0.170	0.200
Dibromochloromethane	U		0.0696	0.200
1,2-Dibromoethane	U		0.0690	0.200
1,2-Dichlorobenzene	U		0.0734	0.200
1,3-Dichlorobenzene	U		0.0753	0.200
1,4-Dichlorobenzene	U		0.0768	0.200
1,2-Dichloroethane	U		0.0730	0.200
1,1-Dichloroethane	U		0.0710	0.200
1,1-Dichloroethene	U		0.0747	0.200
cis-1,2-Dichloroethene	U		0.0796	0.200
trans-1,2-Dichloroethene	U		0.0735	0.200
1,2-Dichloropropane	U		0.0752	0.200
cis-1,3-Dichloropropene	U		0.0743	0.200
trans-1,3-Dichloropropene	U		0.0795	0.200
1,4-Dioxane	U		0.164	0.630
Ethanol	U		2.37	2.50
Ethylbenzene	U		0.0778	0.200
4-Ethyltoluene	U		0.0887	0.200
Trichlorofluoromethane	U		0.0771	0.200
Dichlorodifluoromethane	U		0.0806	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0751	0.200
1,2-Dichlorotetrafluoroethane	U		0.0756	0.200
Heptane	U		0.114	0.200
Hexachloro-1,3-butadiene	U		0.0800	0.630
n-Hexane	U		0.143	0.630

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4247929-2 07/18/25 13:16

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Isopropylbenzene	U		0.0722	0.200
Methylene Chloride	U		0.169	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.116	1.25
4-Methyl-2-pentanone (MIBK)	U		0.106	1.25
Methyl methacrylate	U		0.169	0.200
MTBE	U		0.0813	0.200
Naphthalene	U		0.617	0.630
2-Propanol	U		0.680	1.25
Propene	U		0.214	1.25
n-Propylbenzene	U		0.0807	0.200
Styrene	U		0.0802	0.400
1,1,2,2-Tetrachloroethane	U		0.0695	0.200
Tetrachloroethylene	U		0.111	0.200
Tetrahydrofuran	U		0.164	0.200
Toluene	U		0.130	0.500
1,2,4-Trichlorobenzene	U		0.462	0.630
1,1,1-Trichloroethane	U		0.0718	0.200
1,1,2-Trichloroethane	U		0.0683	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0927	0.200
1,3,5-Trimethylbenzene	U		0.0853	0.200
2,2,4-Trimethylpentane	U		0.0898	0.200
Vinyl chloride	U		0.0826	0.200
Vinyl Bromide	U		0.0749	0.200
Vinyl acetate	U		0.0968	0.630
m&p-Xylene	U		0.174	0.400
o-Xylene	U		0.0887	0.200
TPH (GC/MS) Low Fraction	U		68.3	200
(S) 1,4-Bromofluorobenzene	93.1			60.0-140

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4247929-1 07/18/25 12:45 • (LCSD) R4247929-3 07/18/25 14:00

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.74	3.69	99.7	98.4	70.0-130			1.35	25
Allyl chloride	3.75	4.53	4.54	121	121	70.0-130			0.221	25
Benzene	3.75	3.77	3.85	101	103	70.0-130			2.10	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4247929-1 07/18/25 12:45 • (LCSD) R4247929-3 07/18/25 14:00

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Benzyl Chloride	3.75	3.84	3.62	102	96.5	70.0-152			5.90	25
Bromodichloromethane	3.75	4.29	4.36	114	116	70.0-130			1.62	25
Bromoform	3.75	3.64	3.62	97.1	96.5	70.0-130			0.551	25
Bromomethane	3.75	4.11	4.24	110	113	70.0-130			3.11	25
1,3-Butadiene	3.75	4.20	4.25	112	113	70.0-130			1.18	25
Carbon disulfide	7.50	9.07	9.16	121	122	70.0-130			0.987	25
Carbon tetrachloride	3.75	4.28	4.31	114	115	70.0-130			0.698	25
Chlorobenzene	3.75	4.08	4.21	109	112	70.0-130			3.14	25
Chloroethane	3.75	4.21	4.33	112	115	70.0-130			2.81	25
Chloroform	3.75	4.13	4.19	110	112	70.0-130			1.44	25
Chloromethane	3.75	3.91	3.93	104	105	70.0-130			0.510	25
2-Chlorotoluene	3.75	4.21	4.33	112	115	70.0-130			2.81	25
Cyclohexane	3.75	4.02	4.00	107	107	70.0-130			0.499	25
Dibromochloromethane	3.75	4.22	4.30	113	115	70.0-130			1.88	25
1,2-Dibromoethane	3.75	4.16	4.27	111	114	70.0-130			2.61	25
1,2-Dichlorobenzene	3.75	4.25	4.34	113	116	70.0-130			2.10	25
1,3-Dichlorobenzene	3.75	4.21	4.34	112	116	70.0-130			3.04	25
1,4-Dichlorobenzene	3.75	4.20	4.30	112	115	70.0-130			2.35	25
1,2-Dichloroethane	3.75	4.09	4.20	109	112	70.0-130			2.65	25
1,1-Dichloroethane	3.75	4.12	4.16	110	111	70.0-130			0.966	25
1,1-Dichloroethene	3.75	4.28	4.31	114	115	70.0-130			0.698	25
cis-1,2-Dichloroethene	3.75	4.07	4.12	109	110	70.0-130			1.22	25
trans-1,2-Dichloroethene	3.75	4.35	4.36	116	116	70.0-130			0.230	25
1,2-Dichloropropane	3.75	4.02	4.15	107	111	70.0-130			3.18	25
cis-1,3-Dichloropropene	3.75	4.10	4.15	109	111	70.0-130			1.21	25
trans-1,3-Dichloropropene	3.75	4.07	4.04	109	108	70.0-130			0.740	25
1,4-Dioxane	3.75	3.96	4.06	106	108	70.0-140			2.49	25
Ethanol	3.75	3.75	3.77	100	101	55.0-148			0.532	25
Ethylbenzene	3.75	4.15	4.19	111	112	70.0-130			0.959	25
4-Ethyltoluene	3.75	4.30	4.44	115	118	70.0-130			3.20	25
Trichlorofluoromethane	3.75	4.15	4.27	111	114	70.0-130			2.85	25
Dichlorodifluoromethane	3.75	4.17	4.30	111	115	64.0-139			3.07	25
1,1,2-Trichlorotrifluoroethane	3.75	4.23	4.41	113	118	70.0-130			4.17	25
1,2-Dichlorotetrafluoroethane	3.75	4.30	4.37	115	117	70.0-130			1.61	25
Heptane	3.75	3.98	4.04	106	108	70.0-130			1.50	25
Hexachloro-1,3-butadiene	3.75	4.23	4.37	113	117	70.0-151			3.26	25
n-Hexane	3.75	4.04	4.10	108	109	70.0-130			1.47	25
Isopropylbenzene	3.75	4.31	4.33	115	115	70.0-130			0.463	25
Methylene Chloride	3.75	4.06	4.14	108	110	70.0-130			1.95	25
Methyl Butyl Ketone	3.75	3.90	3.98	104	106	70.0-149			2.03	25

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4247929-1 07/18/25 12:45 • (LCSD) R4247929-3 07/18/25 14:00

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
2-Butanone (MEK)	3.75	4.10	4.11	109	110	70.0-130			0.244	25
4-Methyl-2-pentanone (MIBK)	3.75	3.97	4.09	106	109	70.0-139			2.98	25
Methyl methacrylate	3.75	3.95	3.99	105	106	70.0-130			1.01	25
MTBE	3.75	4.02	4.04	107	108	70.0-130			0.496	25
Naphthalene	3.75	4.08	3.99	109	106	70.0-159			2.23	25
2-Propanol	3.75	4.00	4.06	107	108	70.0-139			1.49	25
Propene	3.75	3.99	3.86	106	103	64.0-144			3.31	25
n-Propylbenzene	3.75	4.31	4.41	115	118	70.0-130			2.29	25
Styrene	7.50	8.72	8.79	116	117	70.0-130			0.800	25
1,1,2,2-Tetrachloroethane	3.75	4.33	4.46	115	119	70.0-130			2.96	25
Tetrachloroethylene	3.75	4.07	4.34	109	116	70.0-130			6.42	25
Tetrahydrofuran	3.75	3.83	3.76	102	100	70.0-137			1.84	25
Toluene	3.75	4.04	4.13	108	110	70.0-130			2.20	25
1,2,4-Trichlorobenzene	3.75	3.80	3.68	101	98.1	70.0-160			3.21	25
1,1,1-Trichloroethane	3.75	4.14	4.21	110	112	70.0-130			1.68	25
1,1,2-Trichloroethane	3.75	4.10	4.22	109	113	70.0-130			2.88	25
Trichloroethylene	3.75	4.10	4.25	109	113	70.0-130			3.59	25
1,2,4-Trimethylbenzene	3.75	4.30	4.40	115	117	70.0-130			2.30	25
1,3,5-Trimethylbenzene	3.75	4.29	4.32	114	115	70.0-130			0.697	25
2,2,4-Trimethylpentane	3.75	4.01	4.02	107	107	70.0-130			0.249	25
Vinyl chloride	3.75	4.21	4.30	112	115	70.0-130			2.12	25
Vinyl Bromide	3.75	4.24	4.30	113	115	70.0-130			1.41	25
Vinyl acetate	3.75	3.37	3.13	89.9	83.5	70.0-130			7.38	25
m&p-Xylene	7.50	8.52	8.71	114	116	70.0-130			2.21	25
o-Xylene	3.75	4.31	4.45	115	119	70.0-130			3.20	25
TPH (GC/MS) Low Fraction	188	191	192	102	102	70.0-130			0.522	25
(S) 1,4-Bromofluorobenzene				99.0	99.3	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4248846-3 07/23/25 09:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Tetrachloroethylene	U		0.111	0.200
<i>(S) 1,4-Bromofluorobenzene</i>	93.6			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4248846-1 07/23/25 08:57 • (LCSD) R4248846-2 07/23/25 09:27

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Tetrachloroethylene	3.75	3.52	3.69	93.9	98.4	70.0-130			4.72	25
<i>(S) 1,4-Bromofluorobenzene</i>				101	101	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

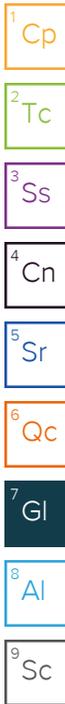
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



ACCREDITATIONS & LOCATIONS

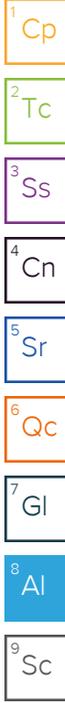
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Agency, Authorized Purchaser or Agent: Apex Companies for DEQ (Kara Master) Send Lab Report To: Kara Master Address: Department of Environmental Quality 700 NE Multnomah St, Suite 600 Portland, OR 97232 Tel. #: E-mail: Kara.E.MASTER@deq.oregon.gov	Contract Laboratory Name: Pace Analytical Lab Batch #: Invoice To: MTJL Subout Team Address: MTJLSuboutTeam@paceacelabs.com Tel. #:	Lab Selection Criteria: <input type="checkbox"/> Proximity (if TAT < 48 hrs) <input type="checkbox"/> Prior work on same project <input checked="" type="checkbox"/> Cost (for anticipated analyses) <input type="checkbox"/> Other labs disqualified or unable to perform requested services <input type="checkbox"/> Emergency work	Turn Around Time: <input checked="" type="checkbox"/> 10 days (std.) <input type="checkbox"/> 5 days <input type="checkbox"/> 72 hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 24 hours <input type="checkbox"/> Other
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Project Name: Former Ellis Dry Cleaners Project #: 24005460	
--	--

Sampler(s) Name(s): Chris Weer					Requested Analyses													
Sample ID#	Deployment 7/16/2025 Time	Collection 7/16/2025 Time	Matrix	Number of Containers	Starting pressure	Ending Pressure	TPH/VOCs (Method TO-15)											
																		LK 79352 Summa Can / Flow Controller
VP-J (5)	9:29	10:00	SG	1	-29	-3.5	X											-01 15346 / 21762
VP-J (15)	9:28	10:00	SG	1	-29	-3	X											-02 13946 / 8359
SV-12	11:35	12:03	SG	1	-28.5	-3.5	X											-03 21235 / 22274
VP-B	10:51	11:23	SG	1	-26	-3	X											-04 28312 / 6017
VP-C	10:43	11:13	SG	1	-30	-3	X											-05 22611 / 22330
VP-D	11:11	11:40	SG	1	-28	-4	X											-06 29602 / 20752
Dup	10:33	11:08	SG	1	-29.5	0	X											-07 16490 / 22492
DO NOT ANALYZE	11:35	11:08		1		0												12467 / 21707

Sample Receipt Checklist

COC Seal Present/Intact: Y N NP

COC Signed/Accurate: Y N

Bottles arrive intact: Y N

Correct bottles used: Y N

Unused: 1:6L

Size: 7 6L 1.4L

Tag color: G W P B

Condition: OK NCF

Notes: Report Results to: Michael.Stevens@apexcos.com; Tess.Chadil@apexcos.com; Kara.E.MASTER@deq.oregon.gov

Relinquished By: Chris Weer Signature: <i>Chris Weer</i>	Agency/Agent: Apex Companies, LLC Time & Date: 13:00, 7/16/2025	Received By: Signature: Time & Date:	Agency/Agent: Time & Date:
Relinquished By: Signature:	Agency/Agent: Time & Date:	Received By: Signature: <i>Elyse Walker</i> Time & Date: <i>07/17/25 0900</i>	Agency/Agent: <i>Pace</i> Time & Date:

THIS PURCHASE IS SUBMITTED PURSUANT TO STATE OF OREGON SOLICITATION #102-1098-07 AND PRICE AGREEMENT # [8901]. THE PRICE AGREEMENT INCLUDING CONTRACT TERMS AND CONDITIONS AND SPECIAL CONTRACT TERMS AND CONDITIONS (T'S & C'S) CONTAINED IN THE PRICE AGREEMENT ARE HEREBY INCORPORATED BY REFERENCE AND SHALL APPLY TO THIS PURCHASE AND SHALL TAKE PRECEDENCE OVER ALL OTHER CONFLICTING T'S AND C'S, EXPRESS OR IMPLIED.

Appendix B

Historical Data Tables and Trend Plots

**Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners**

Sample Location	Liddy Basement	Liddy DUP Basement												
Date	7/31/2012	7/31/2012	8/12/2013	8/12/2013	11/4/2013	11/4/2013	2/3/2014	2/3/2014	4/2/2014	4/3/2014	5/12/2014	5/12/2014	7/16/2014	7/16/2014
Benzene	0.38	0.12	0.45	0.42	< 0.64	< 1.0	0.20	0.13	0.38	< 0.64	0.48	0.45	0.23 M	0.35 M
Carbon Tetrachloride	< 0.5	0.07	0.59	0.53	< 1.3	< 1.3	< 0.13	< 0.13	0.48	< 1.3	0.54	0.52	0.37	0.45
Chloroethane	< 0.42	< 0.11	< 0.11	< 0.11	< 0.53	< 0.53	< 0.11	< 0.11	< 0.21	< 0.53	< 0.11	< 0.11	< 0.11	< 0.11
Chloroform	0.5	0.58	0.40	0.40	< 0.97	< 0.97	< 0.097	< 0.097	0.29	< 0.97	0.32	0.30	0.13	0.17
Chloromethane	1.0	0.99	0.95	1.00	0.81	0.81	0.41	0.29	1.1	1.2	0.95	0.95	0.91	1.1
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	< 0.62	< 0.15	< 0.15	< 0.15	< 1.5	< 1.5	< 0.15	< 0.15	< 0.31	< 1.5	< 0.15	< 0.15	< 0.15	< 0.15
1,4-Dichlorobenzene	< 0.48	< 0.12	< 0.12	< 0.12	< 1.2	< 1.2	< 0.12	< 0.12	< 0.24	< 1.2	< 0.12	< 0.12	< 0.12	< 0.12
1,2-Dichloroethane	--	--	--	--	< 0.81	< 0.81	--	--	--	< 0.81	--	--	--	--
1,1-Dichloroethane	< 0.32	< 0.08	< 0.080	< 0.080	< 0.81	< 0.80	< 0.08	< 0.08	< 0.16	< 0.80	< 0.080	< 0.080	< 0.080	< 0.080
1,1-Dichloroethene	< 0.32	< 0.079	< 0.079	< 0.079	< 0.79	< 0.79	< 0.079	< 0.079	< 0.16	< 0.79	< 0.79	< 0.079	< 0.079	< 0.079
cis-1,2-Dichloroethene	< 0.32	< 0.079	< 0.079	< 0.079	< 0.79	< 0.79	< 0.079	< 0.079	< 0.16	< 0.79	< 0.79	< 0.079	< 0.079	0.67
trans-1,2-Dichloroethene	< 0.32	< 0.079	< 0.079	< 0.079	< 0.79	< 0.79	< 0.079	< 0.079	< 0.16	2.4	0.13	0.16	< 0.079	< 0.079
1,2-Dichloropropane	< 0.55	< 0.14	< 0.14	< 0.14	< 0.92	< 0.92	< 0.14	< 0.14	< 0.28	< 0.92	< 0.14	< 0.14	< 0.14	< 0.14
cis-1,3-Dichloropropene	< 0.36	< 0.091	< 0.091	< 0.091	< 0.91	< 0.91	< 0.091	< 0.091	< 0.18	< 0.91	< 0.091	< 0.091	< 0.091	< 0.091
trans-1,3-Dichloropropene	< 0.54	< 0.14	< 0.14	< 0.14	< 0.91	< 0.91	< 0.14	< 0.14	< 0.27	< 0.91	< 0.14	< 0.14	< 0.14	< 0.14
Ethylbenzene	0.78	0.82	0.32	0.29	< 0.87	< 0.87	0.14	< 0.13	< 0.26	< 0.87	0.22	0.23	0.25	0.26
Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	< 0.55	< 0.14	< 0.14	< 0.14	< 1.4	< 1.4	< 0.14	< 0.14	< 0.27	< 1.4	< 0.14	< 0.14	< 0.14	< 0.14
Tetrachloroethylene	46	38	81	68	53	63	10	6.8	21	21	8.1	7.5	0.44	0.57
1,1,1-Trichloroethane	< 0.44	< 0.11	< 0.11	< 0.11	< 1.1	< 1.1	< 0.11	< 0.11	< 0.22	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11
1,1,2-Trichloroethane	< 0.65	< 0.16	< 0.16	< 0.16	< 1.1	< 1.1	< 0.16	< 0.16	< 0.33	< 1.1	< 0.16	< 0.16	< 0.16	< 0.16
Trichloroethylene	< 0.43	< 0.11	< 0.11	< 0.11	< 1.1	< 1.1	< 0.11	< 0.11	< 0.21	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11
m,p-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	< 0.20	< 0.051	< 0.051	< 0.051	< 0.51	< 0.51	< 0.051	< 0.051	< 0.10	< 0.51	< 0.051	< 0.051	< 0.051	< 0.051
Vinyl Acetate	< 0.28	< 0.07	< 0.070	< 0.070	< 0.87	< 1.7	< 0.07	< 0.07	< 0.14	< 0.70	< 0.070	< 0.070	< 0.070	< 0.070

See notes at end of table.

**Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners**

Sample Location	Liddy Basement	Liddy DUP Basement	Liddy Basement	Liddy Basement	Liddy DUP Basement	Liddy Basement	Liddy DUP Basement	Liddy Basement						
Date	9/15/2014	9/15/2014	11/10/2014	11/10/2014	3/16/2015	3/16/2015	6/16/2015	6/16/2015	9/14/2015	12/14/2015	12/14/2015	3/7/2016	3/7/2016	6/6/2016
Benzene	0.38	0.35	1.2	1.8	0.70	0.77	0.73	0.17	0.289	0.767 M	0.483 M	0.573	0.734	0.545
Carbon Tetrachloride	0.36	0.37	0.49	0.47	0.57	0.59	0.47	0.38	0.370	0.361	0.368	0.263	0.202	0.672
Chloroethane	< 0.11	< 0.11	< 0.11	0.61	< 0.11	< 0.11	< 0.11	< 0.11	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106
Chloroform	0.13	< 0.097	0.73	< 0.097	0.48	0.46	< 0.097	0.46	0.158	0.295	0.302	< 0.0973	< 0.0973	0.381
Chloromethane	0.76	0.58	1.1	1.7	1.4	1.4	1.4	1.3	0.752	0.919	0.935	1.08	1.86	1.52
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154
1,4-Dichlorobenzene	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.120	< 0.120	< 0.120	< 0.120	< 0.120	< 0.120
1,2-Dichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802
1,1-Dichloroethene	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793
cis-1,2-Dichloroethene	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793
trans-1,2-Dichloroethene	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793
1,2-Dichloropropane	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139
cis-1,3-Dichloropropene	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908
trans-1,3-Dichloropropene	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136
Ethylbenzene	0.27	0.29	2.3	4.3	0.36	0.37	2.3	< 0.13	0.218	0.292	0.296	0.891	1.70	0.587
Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137
Tetrachloroethylene	0.24	0.26	2.5	1.8	0.16	0.15	0.24	< 0.14	0.190	0.340	0.224	0.234	0.184	0.257 M
1,1,1-Trichloroethane	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109
1,1,2-Trichloroethane	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163
Trichloroethylene	< 0.11	< 0.11	< 0.11	< 0.11	0.24	0.17	< 0.11	< 0.11	< 0.107	2.23	< 0.107	< 0.107	< 0.107	0.112
m,p-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511
Vinyl Acetate	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070	< 0.0704	< 0.0704	< 0.0704	< 0.0704	< 0.0704	0.263

See notes at end of table.

**Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners**

Sample Location	Liddy DUP Basement	Liddy Basement												
Date	6/6/2016	9/14/2016	9/14/2016	12/13/2016	12/13/2016	3/30/2017	3/30/2017	6/26/2017	6/26/2017	9/29/2017	9/29/2017	11/20/2017	11/20/2017	2/8/2018
Benzene	0.464	0.745	0.273	0.869	0.825	0.458	0.500	0.249	0.228	0.598	0.590	0.709	0.679	1.09
Carbon Tetrachloride	0.725	0.451	0.382	0.480	0.514	0.493	0.535	0.316	0.305	0.589	0.624	0.496	0.514	0.419
Chloroethane	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106
Chloroform	0.342	0.212	0.204	0.314	0.307	0.335	0.351	0.581	0.586	0.321	0.329	0.756	0.752	0.312
Chloromethane	1.47	1.23	1.16	1.33	1.27	1.35	1.52	1.03	1.21	1.32	1.32	1.42	1.36	1.13
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154
1,4-Dichlorobenzene	< 0.120	< 0.120	< 0.120	< 0.120	< 0.481	0.936 J	1.59 J	< 0.120	< 0.120	0.471	< 0.12	< 0.12	< 0.12	< 0.12
1,2-Dichloroethane	--	--	--	--	--	--	--	--	--	< 0.0810	< 0.0810	0.102	< 0.0810	< 0.081
1,1-Dichloroethane	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802
1,1-Dichloroethene	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793
cis-1,2-Dichloroethene	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793
trans-1,2-Dichloroethene	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793
1,2-Dichloropropane	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139
cis-1,3-Dichloropropene	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908
trans-1,3-Dichloropropene	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136
Ethylbenzene	0.22	0.316	< 0.130	0.387	< 0.520	0.331	< 0.52	0.170	0.180	0.445 J	0.258 J	2.16 J	0.493 J	0.720
Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	< 0.137	< 0.137	< 0.137	< 0.137	< 0.550	< 0.137	< 0.55	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137
Tetrachloroethylene	< 0.136	0.704	< 0.136	0.183	0.192	0.171	0.198	< 0.136	0.229	0.345	0.332	0.303	0.275	0.583
1,1,1-Trichloroethane	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109
1,1,2-Trichloroethane	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163
Trichloroethylene	< 0.107	< 0.107	< 0.107	< 0.107	< 0.107	< 0.107	< 0.107	< 0.107	< 0.107	0.176	0.133	< 0.107	< 0.107	0.436 J
m,p-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511
Vinyl Acetate	0.100	0.243	0.0842	< 0.0704	< 0.0704	< 0.0704	< 0.0704	< 0.0704	< 0.0704	< 0.0704	< 0.0704	< 0.0704	< 0.0704	< 0.0704

See notes at end of table.

**Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners**

Sample Location	Liddy DUP Basement	Liddy Basement												
Date	2/8/2018	5/21/2018	5/21/2018	8/3/2018	8/3/2018	11/19/2018	11/19/2018	3/18/2019	3/18/2019	5/13/2019	5/13/2019	8/19/2019	8/19/2019	11/4/2019
Benzene	1.08	0.364	0.366	0.262	0.240	0.690	0.624	0.46	0.49	0.49	0.47	0.529	0.487	0.76
Carbon Tetrachloride	0.370	0.480	0.478	0.467	0.462	0.571	0.572	0.53	0.53	0.53	0.54	0.484	0.49	0.312
Chloroethane	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.42	<0.46	<0.48	<0.47	<0.106	<0.106	<0.106
Chloroform	0.298	0.622	0.626	0.183	0.181	<0.0973	0.287	0.41 J	0.41 J	0.44	0.44	<0.0973	<0.0973	0.56
Chloromethane	1.05	1.12	1.11	0.888	0.842	0.926	0.920	0.89	0.94	1.20	1.10	1.42	1.44	1.02
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	<0.154	<0.154	<0.154	<0.154	<0.154	<0.154	<0.154	<0.11	<0.12	<0.13	<0.13	<0.154	<0.154	<0.154
1,4-Dichlorobenzene	<0.12	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<1.6	<1.8	<1.8	<1.8	<0.120	<0.120	<0.120
1,2-Dichloroethane	<0.081	0.082	<0.0810	<0.0810	<0.0810	0.0836	<0.0810	0.099 J	0.099 J	0.099	0.095	<0.0810	<0.0810	<0.0810
1,1-Dichloroethane	<0.0802	<0.0802	<0.0802	<0.0802	<0.0802	<0.0802	<0.0802	<0.039	<0.042	<0.044	<0.043	<0.0802	<0.0802	<0.0802
1,1-Dichloroethene	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.056	0.061 J	<0.064	<0.063	<0.0793	<0.0793	<0.0793
cis-1,2-Dichloroethene	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.043	<0.047	<0.049	<0.048	<0.0793	<0.0793	<0.0793
trans-1,2-Dichloroethene	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.060	<0.065	<0.068	<0.066	<0.0793	<0.0793	<0.0793
1,2-Dichloropropane	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.047	0.053 J	0.053 J	<0.052	<0.139	<0.139	<0.139
cis-1,3-Dichloropropene	<0.0908	<0.0908	<0.0908	<0.0908	<0.0908	0.368	0.368	0.061 J	<0.063	<0.066	<0.064	<0.0908	<0.0908	<0.0908
trans-1,3-Dichloropropene	<0.136	<0.136	<0.136	<0.136	<0.136	0.191	0.203	<0.066	<0.072	<0.075	<0.073	<0.136	<0.136	<0.136
Ethylbenzene	0.754	0.423	0.443	0.264	0.309	0.462	0.352	1.0 J	1.1 J	<0.56	<0.55	0.261	0.235	0.306
Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.090	<0.098	<0.10	<0.10	<0.137	<0.137	<0.137
Tetrachloroethylene	0.569	<0.136	<0.136	<0.136	<0.136	2.07	2.15	1.2	1.1	0.13	0.13	0.322 M	0.147 M	0.706
1,1,1-Trichloroethane	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.058	<0.063	<0.066	<0.064	<0.109	<0.109	<0.109
1,1,2-Trichloroethane	<0.163	<0.163	<0.163	<0.163	<0.163	<0.163	<0.163	<0.060	<0.065	<0.068	<0.066	<0.163	<0.163	<0.163
Trichloroethylene	0.251 J	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.079	<0.086	<0.090	<0.088	<0.107	<0.107	<0.107
m,p-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.037	<0.040	<0.49	<0.48	<0.0511	<0.0511	<0.0511
Vinyl Acetate	0.0741	<0.0704	<0.0704	<0.0704	<0.0704	<0.0704	<0.0704	0.57 J	<0.47	<0.042	<0.041	<0.0704	<0.0704	<0.0704

See notes at end of table.

**Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners**

Sample Location	Liddy DUP Basement	Liddy Basement												
Date	11/4/2019	2/24/2020	2/24/2020	11/3/2020	11/3/2020	1/25/2021	1/25/2021	8/31/2021	8/31/2021	2/2/2022	2/2/2022	7/18/2022	7/18/2022	8/18/2022
Benzene	0.786	0.696	0.62	--	--	--	--	0.65 J+	0.68 J+	1.2 J+	1.2 J+	0.53	0.51	1.0 E
Carbon Tetrachloride	0.312	0.496	0.484	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	<0.106	<0.106	<0.106	--	--	--	--	--	--	--	--	--	--	--
Chloroform	0.55	0.623	0.618	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	1.11	1.21	1.00	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	--	--	--	--	--	0.14	0.12	0.35	0.34	0.31	0.32	<0.036
1,2-Dibromoethane	<0.154	<0.154	<0.154	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	<0.120	<0.120	<0.120	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	<0.0810	<0.0810	<0.0810	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	<0.0802	<0.0802	<0.0802	<0.0086	<0.0086	<0.0099	<0.0099	--	--	--	--	--	--	--
1,1-Dichloroethene	<0.0793	<0.0793	<0.0793	<0.0086	<0.0086	<0.0099	<0.0099	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	<0.0793	<0.0793	<0.0793	<0.0086	<0.0086	<0.0099	<0.0099	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	<0.0793	<0.0793	<0.0793	<0.0086	<0.0086	<0.0099	<0.0099	--	--	--	--	--	--	--
1,2-Dichloropropane	<0.139	<0.139	<0.139	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	<0.0908	<0.0908	<0.0908	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	<0.136	<0.136	<0.136	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	0.321	0.361	0.350	--	--	--	--	0.46	0.48	0.52	0.52	0.82	0.81	1.7 E
Toluene	--	--	--	--	--	--	--	1.1	1.1	3.0 E	3.0 E	5.0 E	4.9 E	5.3 J
Styrene	--	--	--	--	--	--	--	0.28 M	0.41 M	0.30	0.32	0.45	0.44	0.85 M
1,1,2,2-Tetrachloroethane	<0.137	<0.137	<0.137	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	0.726	<0.136	<0.136	1.7	1.7	1.4	0.93	0.056	0.056	0.22	0.21	0.072	0.068	0.16
1,1,1-Trichloroethane	<0.109	<0.109	<0.109	<0.0086	<0.0086	0.011	0.011	<0.057	<0.057	<0.049	<0.049	<0.050	<0.050	<0.049
1,1,2-Trichloroethane	<0.163	<0.163	<0.163	--	--	--	--	--	--	--	--	--	--	--
Trichloroethylene	<0.107	<0.107	<0.107	0.022	0.023	0.020	0.032	<0.021	<0.021	<0.018	<0.018	<0.018	<0.018	<0.018
m,p-Xylene	--	--	--	--	--	--	--	1.4	1.5	1.6	1.6	2.5 E	2.5 E	5.3 E
o-Xylene	--	--	--	--	--	--	--	0.51	0.52	0.54	0.54	0.80	0.79	1.7 E
Vinyl Chloride	<0.0511	<0.0511	<0.0511	--	--	--	--	--	--	--	--	--	--	--
Vinyl Acetate	<0.0704	<0.0704	<0.0704	--	--	--	--	--	--	--	--	--	--	--

See notes at end of table.

**Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners**

Sample Location	Liddy DUP Basement	Liddy Basement	Liddy Basement	Liddy Basement	Liddy Basement	Liddy First Floor	Liddy First Floor	Liddy First Floor	Liddy First Floor						
Date	8/18/2022	1/25/2023	1/25/2023	4/10/2023	4/10/2023	8/29/2023	8/29/2023	7/31/2024	1/24/2025	7/23/2025	7/31/2012	11/4/2013	2/3/2014	4/3/2014	
Benzene	1.6 E	1.1	1.1	1.5 M	0.82 M	0.58	0.70	<0.50	0.92	<0.50	0.32	< 0.64	0.51	0.45	
Carbon Tetrachloride	--	--	--	--	--	--	--	0.260	0.290	0.25	0.47	< 1.3	0.33	0.48	
Chloroethane	--	--	--	--	--	--	--	--	--	--	< 0.11	< 0.53	< 0.11	< 0.11	
Chloroform	--	--	--	--	--	--	--	0.260	0.230	0.14	0.27	< 0.97	0.27	0.25	
Chloromethane	--	--	--	--	--	--	--	--	--	--	1.10	0.81	0.95	1.1	
Cyclohexane	<0.036	0.40	0.44	0.33 J+	0.32 J+	0.36	0.46	0.69	0.60	0.50	--	--	--	--	
1,2-Dibromoethane	--	--	--	--	--	--	--	--	--	--	< 0.15	< 1.5	< 0.15	< 0.15	
1,4-Dichlorobenzene	--	--	--	--	--	--	--	<0.19	<0.19	<0.19	< 0.12	< 1.2	< 0.12	< 0.12	
1,2-Dichloroethane	--	--	--	--	--	--	--	<0.13	<0.13	<0.13	--	<0.81	--	--	
1,1-Dichloroethane	--	--	--	--	--	--	--	--	--	--	< 0.08	< 0.80	< 0.080	< 0.080	
1,1-Dichloroethene	--	--	--	--	--	--	--	--	--	--	< 0.079	< 0.79	< 0.079	< 0.079	
cis-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	< 0.079	< 0.79	< 0.079	< 0.079	
trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	< 0.079	< 0.79	< 0.079	< 0.079	
1,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	< 0.14	< 0.92	< 0.14	< 0.14	
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	< 0.091	< 0.91	< 0.091	< 0.091	
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	< 0.14	< 0.91	< 0.14	< 0.14	
Ethylbenzene	1.9 E	0.66	0.63	0.54	0.46	0.68	0.73	0.28	0.35	0.28	0.48	< 0.87	0.33	0.30	
Toluene	5.4 J	3.1 J	3.0 J	3.1	3.0	6.1	6.6	4.4	2.9	3.4	--	--	--	--	
Styrene	1.2 E,M	0.32	0.31	0.47 M	0.24 M	0.31	0.33	<0.16	<0.16	<0.16	--	--	--	--	
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--	--	< 0.14	< 1.4	< 0.14	< 0.14	
Tetrachloroethylene	0.16	0.99	0.96	0.57	0.55	0.16	0.16	<0.17	1.2	<0.17	1.8	15	12	13	
1,1,1-Trichloroethane	<0.049	<0.050	<0.050	<0.049	<0.049	<0.050	<0.050	<0.16	<0.16	<0.16	< 0.11	< 1.1	< 0.11	< 0.11	
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--	--	--	< 0.16	< 1.1	< 0.16	< 0.16	
Trichloroethylene	<0.018	0.032	0.033	<0.018	<0.018	<0.018	<0.018	<0.14	<0.14	<0.14	< 0.11	< 1.1	< 0.11	< 0.11	
m,p-Xylene	5.7 E	2.0 E	1.9 E	1.4	1.4	2.2	2.3	0.9	1.2	0.96	--	--	--	--	
o-Xylene	1.9 E	0.73	0.71	0.52	0.49	0.70	0.74	0.24	0.40	0.28	--	--	--	--	
Vinyl Chloride	--	--	--	--	--	--	--	--	--	--	< 0.051	< 0.51	< 0.051	< 0.051	
Vinyl Acetate	--	--	--	--	--	--	--	--	--	--	< 0.07	< 1.7	< 0.07	< 0.070	

See notes at end of table.

**Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners**

Sample Location	Liddy First Floor	Liddy DUP First Floor	Liddy First Floor											
Date	5/12/2014	7/16/2014	9/15/2014	11/10/2014	3/16/2015	6/16/2015	9/14/2015	9/14/2015	12/14/2015	3/7/2016	6/6/2016	9/14/2016	12/13/2016	3/30/2017
Benzene	0.45	0.38	0.38	0.96	0.89	1.2	0.326	0.373	0.627	1.59	0.40	0.846	0.618	0.596
Carbon Tetrachloride	0.49	0.47	0.37	0.51	0.57	0.54	0.384	0.412	0.366	< 1.26	0.55	0.474	0.454	0.530
Chloroethane	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.106	< 0.106	< 0.106	< 0.528	< 0.528	< 0.106	< 0.106	< 0.106
Chloroform	0.33	0.15	0.12	1.0	0.54	< 0.097	0.203	0.234	0.302	< 0.973	0.382	< 0.0973	0.280	0.370
Chloromethane	0.95	1.1	0.70	0.91	1.3	1.4	0.813	0.880	1.06	1.63	1.34	1.20	1.11	1.49
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.154	< 0.154	< 0.154	< 1.54	< 1.54	< 0.154	< 0.154	< 0.154
1,4-Dichlorobenzene	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.120	< 0.120	< 0.120	< 1.20	< 1.20	< 0.120	< 0.120	2.45
1,2-Dichloroethane	--	--	--	--	--	--	--	--	--	< 0.81	--	--	--	--
1,1-Dichloroethane	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080	< 0.0802	< 0.0802	< 0.0802	< 0.802	< 0.802	< 0.0802	< 0.0802	< 0.0802
1,1-Dichloroethene	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.0793	< 0.0793	< 0.0793	< 0.793	< 0.793	< 0.0793	< 0.0793	< 0.0793
cis-1,2-Dichloroethene	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.0793	< 0.0793	0.138	< 0.793	< 0.793	< 0.0793	< 0.0793	< 0.0793
trans-1,2-Dichloroethene	5.9	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.0793	< 0.0793	< 0.0793	< 0.793	< 0.793	< 0.0793	< 0.0793	< 0.0793
1,2-Dichloropropane	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.139	< 0.139	< 0.139	< 0.924	< 0.924	< 0.139	< 0.139	< 0.139
cis-1,3-Dichloropropene	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.0908	< 0.0908	< 0.0908	< 0.908	< 0.908	< 0.0908	< 0.0908	< 0.0908
trans-1,3-Dichloropropene	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.136	< 0.136	< 0.136	< 0.908	< 0.908	< 0.136	< 0.136	< 0.136
Ethylbenzene	0.52	0.39	0.40	1.3	0.48	4.8	0.261	0.272	0.422	1.19	0.621	1.57	0.280	0.517
Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.137	< 0.137	< 0.137	< 1.37	< 1.37	< 0.137	< 0.137	< 0.137
Tetrachloroethylene	1.7	< 0.14	0.30	1.4	0.16	0.75	0.186	0.202	0.272	< 1.36	0.217 M	0.402	< 0.136	0.206
1,1,1-Trichloroethane	0.21	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.109	< 0.109	< 0.109	< 1.09	< 1.09	< 0.109	< 0.109	< 0.109
1,1,2-Trichloroethane	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.163	< 0.163	< 0.163	< 1.09	< 1.09	< 0.163	< 0.163	< 0.163
Trichloroethylene	< 0.11	< 0.11	< 0.11	< 0.11	0.11	< 0.11	< 0.107	< 0.107	< 0.107	6.37	< 0.107	0.124	< 0.107	< 0.107
m,p-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051	< 0.0511	< 0.0511	< 0.0511	< 0.511	< 0.511	< 0.0511	< 0.0511	< 0.0511
Vinyl Acetate	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070	< 0.0704	< 0.0704	< 0.0704	< 0.704	0.256	0.440	< 0.0704	< 0.0704

See notes at end of table.

**Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners**

Sample Location	Liddy First Floor													
Date	6/26/2017	9/27/2017	11/20/2017	2/8/2018	5/21/2018	8/3/2018	11/19/2018	3/18/2019	5/13/2019	8/19/2019	11/4/2019	2/24/2020	11/3/2020	1/25/2021
Benzene	0.352	0.597	0.682	1.26	0.370	0.244	0.611	0.49	0.49	0.372	1.540	0.767	--	--
Carbon Tetrachloride	0.414	0.573	0.472	0.492	0.484	0.453	0.600	0.54	0.47	0.488	0.4	0.528	--	--
Chloroethane	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.48	<0.47	<0.106	<0.106	<0.106	--	--
Chloroform	0.439	0.376	0.972	0.567	0.581	0.197	0.373	0.47J	0.61	<0.0973	<0.0973	0.662	--	--
Chloromethane	1.05	1.39	1.39	1.08	1.12	0.819	1.07	1.0	1.1	1.21	1.41	1.03	--	--
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	<0.154	<0.154	<0.154	<0.154	<0.154	<0.154	<0.154	<0.13	<0.13	<0.154	<0.154	<0.154	--	--
1,4-Dichlorobenzene	<0.120	<0.12	<0.12	<0.12	<0.120	<0.120	<0.120	<1.8	<1.8	<0.120	<0.120	<0.120	--	--
1,2-Dichloroethane	--	<0.0810	<0.0810	0.0971	<0.0810	<0.0810	<0.0810	0.10 J	0.095	<0.0810	<0.0810	<0.0810	--	--
1,1-Dichloroethane	<0.0802	<0.0802	<0.0802	0.122	<0.0802	<0.0802	<0.0802	<0.044	<0.043	<0.0802	<0.0802	<0.0802	<0.0086	<0.0087
1,1-Dichloroethene	<0.0793	<0.0793	<0.0793	0.122	<0.0793	<0.0793	<0.0793	<0.064	<0.063	<0.0793	<0.0793	<0.0793	<0.0086	<0.0087
cis-1,2-Dichloroethene	<0.0793	0.104	<0.0793	0.296	<0.0793	<0.0793	<0.0793	<0.049	<0.048	<0.0793	<0.0793	<0.0793	<0.0086	<0.0087
trans-1,2-Dichloroethene	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.068	<0.066	<0.0793	<0.0793	<0.0793	<0.0086	<0.0087
1,2-Dichloropropane	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.053	<0.052	<0.139	<0.139	<0.139	--	--
cis-1,3-Dichloropropene	<0.0908	<0.0908	<0.0908	<0.0908	<0.0908	<0.0908	0.373	0.068 J	<0.064	<0.0908	<0.0908	<0.0908	--	--
trans-1,3-Dichloropropene	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	0.209	<0.075	<0.073	<0.136	<0.136	<0.136	--	--
Ethylbenzene	1.77	0.331	0.573	0.865	0.666	0.216	0.348	1.1 J	<0.55	0.2	1.25	0.442	--	--
Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.10	<0.10	<0.137	<0.137	<0.137	--	--
Tetrachloroethylene	<0.136	0.381	0.256	0.531	<0.136	<0.136	1.44	0.59	<0.11	<0.136	0.475	<0.136	1.0	0.79
1,1,1-Trichloroethane	<0.109	<0.109	<0.109	3.21	<0.109	<0.109	<0.109	<0.066	<0.064	<0.109	<0.109	<0.109	0.0090	0.0087
1,1,2-Trichloroethane	<0.163	<0.163	<0.163	<0.163	<0.163	<0.163	<0.163	<0.068	<0.066	<0.163	<0.163	<0.163	--	--
Trichloroethylene	<0.107	0.132	<0.107	5.20	<0.107	<0.107	<0.107	<0.090	<0.088	<0.107	<0.107	<0.107	0.025	0.021
m,p-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.042	<0.48	<0.0511	<0.0511	<0.0511	--	--
Vinyl Acetate	<0.0704	<0.0704	<0.0704	0.0751	<0.0704	<0.0704	<0.0704	<0.49	<0.041	<0.0704	0.0916	0.0968	--	--

See notes at end of table.

**Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners**

Sample Location	Liddy First Floor	Liddy Second Floor												
Date	8/31/2021	2/2/2022	7/18/2022	8/18/2022	1/25/2023	4/3/2023	8/29/2023	4/3/2014	5/12/2014	7/16/2014	9/15/2014	11/10/2014	3/16/2015	6/16/2015
Benzene	0.77 J+	1.2 J+	0.68	0.85	1.2	0.77	0.71	0.77	0.57	0.35	1.2	0.96	0.67	0.26
Carbon Tetrachloride	--	--	--	--	--	--	--	< 1.3	0.48	0.47	0.50	0.48	0.57	0.57
Chloroethane	--	--	--	--	--	--	--	< 0.53	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Chloroform	--	--	--	--	--	--	--	< 0.97	1.0	0.31	0.73	2.4	0.54	< 0.097
Chloromethane	--	--	--	--	--	--	--	1.2	0.93	1.1	1.0	1.2	1.4	1.3
Cyclohexane	0.13	0.30	0.086	<0.036	0.35	0.20 J+	0.15	--	--	--	--	--	--	--
1,2-Dibromoethane	--	--	--	--	--	--	--	< 1.5	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
1,4-Dichlorobenzene	--	--	--	--	--	--	--	< 1.2	< 0.12	0.21	< 0.12	< 0.12	< 0.12	< 0.12
1,2-Dichloroethane	--	--	--	--	--	--	--	<0.81	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--	--	< 0.80	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080
1,1-Dichloroethene	--	--	--	--	--	--	--	< 0.79	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079
cis-1,2-Dichloroethene	--	--	--	--	--	--	--	< 0.79	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079
trans-1,2-Dichloroethene	--	--	--	--	--	--	--	< 0.79	0.25	< 0.079	< 0.079	< 0.079	0.095	< 0.079
1,2-Dichloropropane	--	--	--	--	--	--	--	< 0.92	< 0.14	< 0.14	4.6	< 0.14	< 0.14	< 0.14
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	< 0.91	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	< 0.91	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Ethylbenzene	0.27	0.56	0.30	0.58	0.73	0.46	0.31	< 0.87	1.1	0.36	3.0	2.2	0.56	0.25
Toluene	0.95	2.6 E	1.6	2.6 E	2.9 J	2.3	1.6	--	--	--	--	--	--	--
Styrene	0.21	0.35	0.30	0.44	0.41	0.24	0.22	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	< 1.4	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Tetrachloroethylene	0.042	0.190	0.044	0.10	1.2	0.71	0.10	12	2.0	2.2	12	1.4	< 0.14	< 0.14
1,1,1-Trichloroethane	<0.057	<0.049	<0.050	<0.049	<0.050	<0.049	<0.050	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
1,1,2-Trichloroethane	--	--	--	--	--	--	--	< 1.1	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Trichloroethylene	<0.021	<0.018	<0.018	<0.018	0.035	<0.018	<0.018	< 1.1	< 0.11	< 0.11	0.17	< 0.11	< 0.11	< 0.11
m,p-Xylene	0.76	1.7	0.82	1.6 E	2.1 E	1.4	0.9	--	--	--	--	--	--	--
o-Xylene	0.30	0.57	0.30	0.60	0.79	0.48	0.34	--	--	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	< 0.51	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051
Vinyl Acetate	--	--	--	--	--	--	--	< 0.70	< 0.070	< 0.070	0.15	< 0.070	< 0.070	< 0.070

See notes at end of table.

Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	Liddy Second Floor													
Date	9/14/2015	12/14/2015	3/7/2016	6/6/2016	9/14/2016	12/13/2016	3/30/2017	6/26/2017	9/29/2017	11/20/2017	2/8/2018	5/21/2018	8/3/2018	11/19/2018
Benzene	0.386	0.571	0.684	0.514	0.482	0.563	0.548	0.369	0.599	0.676	1.26	0.392	0.224	0.613
Carbon Tetrachloride	0.416	0.36	0.266	0.542	0.514	0.482	0.515	0.448	0.565	0.522	0.468	0.484	0.458	0.600
Chloroethane	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106
Chloroform	< 0.0973	0.317	< 0.0973	0.197	0.128	0.638	0.336	0.353	< 0.0973	1.16	1.24	0.513	0.139	0.421
Chloromethane	1.13	0.873	0.851	1.74	1.11	1.09	1.45	0.983	1.43	1.39	1.12	1.14	0.859	0.973
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154
1,4-Dichlorobenzene	< 0.120	< 0.120	< 0.120	< 0.120	< 0.120	< 0.120	4.61	< 0.120	< 0.12	< 0.12	< 0.12	< 0.120	< 0.120	< 0.120
1,2-Dichloroethane	--	--	--	--	--	--	--	--	< 0.0810	0.0842	< 0.081	< 0.0810	< 0.0810	< 0.0810
1,1-Dichloroethane	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802
1,1-Dichloroethene	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793
cis-1,2-Dichloroethene	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793
trans-1,2-Dichloroethene	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793
1,2-Dichloropropane	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139
cis-1,3-Dichloropropene	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	0.362
trans-1,3-Dichloropropene	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	0.199
Ethylbenzene	< 0.130	0.37	1.20	0.35	0.483	0.477	0.891	0.263	0.844	0.761	1.24	0.782	0.445	0.658
Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137
Tetrachloroethylene	< 0.136	0.213	1.18	< 0.136	0.455	< 0.136	0.462	< 0.136	0.208	0.337	0.430	< 0.136	0.313	1.50
1,1,1-Trichloroethane	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	0.662	< 0.109	< 0.109	< 0.109
1,1,2-Trichloroethane	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163
Trichloroethylene	< 0.107	< 0.107	0.189	< 0.107	< 0.107	< 0.107	< 0.107	0.137	< 0.107	< 0.107	1.08	< 0.107	< 0.107	< 0.107
m,p-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511
Vinyl Acetate	< 0.0704	< 0.0704	< 0.0704	0.0817	0.0951	< 0.0704	0.171	< 0.0704	0.0769	< 0.0704	0.197	< 0.0704	< 0.0704	< 0.0704

See notes at end of table.

**Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners**

Sample Location	Liddy Second Floor													
Date	3/18/2019	5/13/2019	8/19/2019	11/4/2019	2/24/2020	11/3/2020	1/25/2021	8/31/2021	2/2/2022	7/18/2022	8/18/2022	1/25/2023	4/3/2023	8/29/2023
Benzene	0.51	0.56	0.508	1.33	0.776	--	--	0.68 J+	1.2 J+	0.58	1.3 E	1.4	1.5	1.3
Carbon Tetrachloride	0.54	2.1	0.489	0.400	0.523	--	--	--	--	--	--	--	--	--
Chloroethane	<0.48	<0.46	<0.106	<0.106	<0.106	--	--	--	--	--	--	--	--	--
Chloroform	0.49 J	<0.051	<0.0973	2.60	0.642	--	--	--	--	--	--	--	--	--
Chloromethane	0.98	1.3	1.30	1.23	1.09	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	--	--	--	--	--	0.13	0.28	0.068	0.036	0.38	0.24 J+	0.13
1,2-Dibromoethane	<0.13	<0.12	<0.154	<0.154	<0.154	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	<1.8	<1.8	<0.120	<0.120	<0.120	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	0.099 J	0.11	<0.0810	<0.0810	<0.0810	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	<0.044	0.042 J	<0.0802	<0.0802	<0.0802	<0.0086	<0.0099	--	--	--	--	--	--	--
1,1-Dichloroethene	<0.064	<0.061	<0.0793	<0.0793	<0.0793	<0.0086	<0.0099	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	<0.049	<0.047	<0.0793	<0.0793	<0.0793	<0.0086	<0.0099	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	<0.068	<0.065	<0.0793	<0.0793	<0.0793	<0.0086	<0.0099	--	--	--	--	--	--	--
1,2-Dichloropropane	<0.053	0.062 J	<0.139	<0.139	<0.139	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	0.069 J	<0.063	<0.0908	<0.0908	<0.0908	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	<0.075	<0.072	<0.136	<0.136	<0.136	--	--	--	--	--	--	--	--	--
Ethylbenzene	1.3 J	1.1 J	0.808	0.780	0.538	--	--	0.44	0.82	0.38	1.6 E	0.94	0.74	0.56
Toluene	--	--	--	--	--	--	--	0.94	2.6 E	1.1	2.5 E	3.0 J	2.7	1.5
Styrene	--	--	--	--	--	--	--	0.19	0.36	0.21	0.65	0.45	0.50	0.44
1,1,2,2-Tetrachloroethane	<0.10	<0.098	<0.137	<0.137	<0.137	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	0.66	0.13	<0.136	0.483	<0.136	0.87	1.3	0.04	0.20	0.035	0.082	1.4	1.1	0.1
1,1,1-Trichloroethane	<0.066	0.063 J	<0.109	<0.109	<0.109	0.0096	0.010	<0.057	<0.049	<0.050	<0.050	<0.050	<0.049	<0.050
1,1,2-Trichloroethane	<0.068	<0.065	<0.163	<0.163	<0.163	--	--	--	--	--	--	--	--	--
Trichloroethylene	<0.090	<0.086	<0.107	<0.107	0.112	0.024	0.020	<0.021	<0.018	<0.018	<0.018	0.042	0.022	<0.018
m,p-Xylene	--	--	--	--	--	--	--	1.4	2.6 E	1.1	5.0 E	2.8 E	2.2	1.6
o-Xylene	--	--	--	--	--	--	--	0.48	0.83	0.37	1.5 E	1.0	0.71	0.54
Vinyl Chloride	<0.042	<0.47	<0.0511	<0.0511	<0.0511	--	--	--	--	--	--	--	--	--
Vinyl Acetate	<0.49	<0.040	<0.0704	<0.0704	0.0887	--	--	--	--	--	--	--	--	--

See notes at end of table.

Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	Background Ivy & Williams	Background Window Covering												
Date	7/30/2012	7/31/2012	8/12/2013	8/24/2013	11/6/2013	2/3/2014	11/19/2018	3/31/2014	5/12/2014	7/16/2014	9/15/2014	11/12/2014	12/9/2014	3/16/2015
Benzene	0.67	0.48	0.77	2.1	0.7	0.38	0.572	< 1.3	0.23	0.35	0.86	0.51	0.61	0.89
Carbon Tetrachloride	0.44	0.26	0.45	0.49	< 1.3	0.14	0.633	< 2.5	0.48	0.48	0.36	0.44	0.47	0.51
Chloroethane	< 0.11	< 0.11	< 0.11	< 0.11	< 0.53	< 0.11	<0.106	< 2.1	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Chloroform	0.15	< 0.097	< 0.097	< 0.097	< 0.97	< 0.097	<0.0973	< 1.9	< 0.097	0.11	0.11	< 0.097	< 0.097	< 0.097
Chloromethane	1.4	1.2	0.91	1.2	< 0.41	0.27	1.00	< 1.2	0.95	1.1	1.2	1.0	0.97	1.2
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	< 0.15	< 0.15	< 0.15	< 0.15	< 1.5	< 0.15	<0.154	< 3.1	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
1,4-Dichlorobenzene	< 0.12	< 0.12	< 0.12	< 0.12	< 1.2	< 0.12	<0.120	< 2.4	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
1,2-Dichloroethane	--	--	--	--	< 0.81	--	0.0848	--	--	--	--	--	--	--
1,1-Dichloroethane	< 0.08	< 0.08	< 0.080	< 0.080	< 0.80	< 0.080	<0.0802	< 1.6	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080
1,1-Dichloroethene	< 0.079	< 0.079	< 0.079	< 0.079	< 0.79	< 0.079	<0.0793	< 1.6	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079
cis-1,2-Dichloroethene	< 0.079	< 0.079	< 0.079	< 0.079	< 0.79	< 0.079	<0.0793	< 1.6	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079
trans-1,2-Dichloroethene	< 0.079	< 0.079	< 0.079	< 0.079	< 0.79	< 0.079	<0.0793	< 1.6	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	5.5
1,2-Dichloropropane	< 0.14	0.27	< 0.14	< 0.14	< 0.92	< 0.14	<0.139	< 2.8	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
cis-1,3-Dichloropropene	< 0.091	< 0.091	< 0.091	< 0.091	< 0.91	< 0.091	0.346	< 1.8	< 0.091	< 0.091	< 0.091	< 0.091	0.14	< 0.091
trans-1,3-Dichloropropene	< 0.14	< 0.14	< 0.14	< 0.14	< 0.91	< 0.14	0.178	< 2.7	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Ethylbenzene	0.65	0.35	0.42	2.5	< 0.87	0.25	0.170	< 2.6	0.16	0.42	0.61	< 0.13	0.24	0.40
Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	< 0.14	< 0.14	< 0.14	< 0.14	< 1.4	< 0.14	<0.137	< 2.7	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
Tetrachloroethylene	< 0.14	< 0.14	< 0.14	0.16	< 1.4	< 0.14	<0.136	150	< 0.14	0.20	0.23	< 0.14	< 0.14	< 0.14
1,1,1-Trichloroethane	< 0.11	< 0.11	< 0.11	< 0.11	< 1.1	< 0.11	<0.109	< 2.2	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
1,1,2-Trichloroethane	< 0.16	< 0.16	< 0.16	< 0.16	< 1.1	< 0.16	<0.163	< 3.3	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Trichloroethylene	< 0.11	< 0.11	< 0.11	< 0.11	< 1.1	< 0.11	<0.107	< 2.1	< 0.11	< 0.11	0.21	< 0.11	0.38	< 0.11
m,p-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	< 0.051	< 0.051	< 0.051	0.066	< 0.51	< 0.051	<0.0511	< 1.0	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051
Vinyl Acetate	< 0.07	< 0.07	< 0.070	0.14	< 0.70	< 0.070	<0.0704	< 1.4	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070

See notes at end of table.

**Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners**

Sample Location	Background Window Covering													
Date	6/16/2015	9/14/2015	12/14/2015	3/7/2016	6/9/2016	9/12/2016	12/12/2016	3/30/2017	6/26/2017	9/29/2017	11/20/2017	2/8/2018	5/21/2018	8/3/2018
Benzene	0.35	0.368	0.658	2.66	0.510	0.410	0.751	0.812	0.449	0.705	0.874	1.50	0.305	0.333
Carbon Tetrachloride	0.57	0.338	0.473	0.364	0.434	0.513	0.451	0.551	0.457	0.535	0.521	0.512	0.539	0.466
Chloroethane	< 0.11	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106
Chloroform	0.11	< 0.0973	0.105	< 0.0973	< 0.0973	< 0.0973	< 0.0973	< 0.0973	< 0.0973	< 0.0973	0.119	0.150	< 0.0973	1.15
Chloromethane	1.4	0.629	1.02	0.989	1.36	1.13	1.07	1.36	1.06	1.10	1.38	0.973	1.12	0.855
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	< 0.15	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.120	< 0.154	< 0.154	< 0.154	< 0.154
1,4-Dichlorobenzene	< 0.12	< 0.120	< 0.120	< 0.120	< 0.120	< 0.120	< 0.120	< 0.12	< 0.120	< 0.0810	< 0.12	< 0.12	< 0.120	< 0.120
1,2-Dichloroethane	--	--	--	--	--	--	--	--	--	< 0.0810	< 0.0810	0.0846	< 0.0810	< 0.0810
1,1-Dichloroethane	< 0.080	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802
1,1-Dichloroethene	< 0.079	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793
cis-1,2-Dichloroethene	< 0.079	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793
trans-1,2-Dichloroethene	< 0.079	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793
1,2-Dichloropropane	< 0.14	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139
cis-1,3-Dichloropropene	< 0.091	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908
trans-1,3-Dichloropropene	< 0.14	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136
Ethylbenzene	0.23	0.285	0.376	3.42	0.251	0.203	0.477	0.626	0.330	0.506	0.703	0.799	0.262	0.200
Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	< 0.14	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137
Tetrachloroethylene	< 0.14	0.295	0.194	< 0.136	< 0.136	0.211	< 0.136	0.356	0.425	0.149	< 0.136	0.252	0.606	12.8
1,1,1-Trichloroethane	< 0.11	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109
1,1,2-Trichloroethane	< 0.16	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163
Trichloroethylene	< 0.11	< 0.107	< 0.107	< 0.107	< 0.107	< 0.107	< 0.107	< 0.107	< 0.107	0.121	< 0.107	0.501	< 0.107	0.181
m,p-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	< 0.051	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511
Vinyl Acetate	< 0.070	< 0.0704	< 0.0704	< 0.0704	< 0.0704	< 0.0704	< 0.0704	< 0.0704	< 0.0704	< 0.0704	< 0.0704	0.104	< 0.0704	< 0.0704

See notes at end of table.

Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	Background Window Covering													
Date	11/19/2018	3/18/2019	5/13/2019	8/19/2019	11/4/2019	2/25/2020	11/3/2020	8/31/2021	2/2/2022	7/18/2022	8/18/2022	1/25/2023	4/10/2023	8/29/2023
Benzene	0.572	0.36	0.39	0.229	0.831	0.795	--	0.84 J+	1.0 J+	0.71	0.96 E	1.1	0.86	1.00
Carbon Tetrachloride	0.633	0.54	0.42	0.488	0.470	0.576	--	--	--	--	--	--	--	--
Chloroethane	<0.106	<0.48	<0.46	<0.106	<0.106	<0.106	--	--	--	--	--	--	--	--
Chloroform	<0.0973	<0.053	0.13	<0.0973	<0.0973	<0.0973	--	--	--	--	--	--	--	--
Chloromethane	1.00	0.79	0.98	1.06	0.86	1.02	--	--	--	--	--	--	--	--
Cyclohexane	--	--	--	--	--	--	--	0.12	0.22	0.066	0.11	0.35	0.16 J+	0.09
1,2-Dibromoethane	<0.154	<0.13	<0.12	<0.154	<0.154	<0.154	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	<0.120	<1.8	<1.8	<0.120	<0.120	<0.120	--	--	--	--	--	--	--	--
1,2-Dichloroethane	0.0848	0.098 J	0.089	<0.0810	<0.0810	<0.0810	--	--	--	--	--	--	--	--
1,1-Dichloroethane	<0.0802	<0.044	<0.042	<0.0802	<0.0802	<0.0802	<0.0087	--	--	--	--	--	--	--
1,1-Dichloroethene	<0.0793	<0.064	<0.061	<0.0793	<0.0793	<0.0793	<0.0087	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	<0.0793	0.049 J	<0.047	<0.0793	<0.0793	<0.0793	<0.0087	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	<0.0793	<0.068	<0.065	<0.0793	<0.0793	<0.0793	<0.0087	--	--	--	--	--	--	--
1,2-Dichloropropane	<0.139	<0.053	<0.051	<0.139	<0.139	<0.139	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	0.346	0.068 J	<0.063	<0.0908	<0.0908	<0.0908	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	0.178	<0.075	<0.072	<0.136	<0.136	<0.136	--	--	--	--	--	--	--	--
Ethylbenzene	0.170	<0.56	<0.53	<0.130	0.339	0.447	--	0.22	0.21	0.20	0.45	0.40	0.22	0.27
Toluene	--	--	--	--	--	--	--	0.79	1.1	0.75	1.9 E	1.8 E	0.86	1.00
Styrene	--	--	--	--	--	--	--	0.22	0.14	0.19	0.33	0.19	0.16 J+	0.27 J+
1,1,2,2-Tetrachloroethane	<0.137	<0.10	<0.098	<0.137	<0.137	<0.137	--	--	--	--	--	--	--	--
Tetrachloroethylene	<0.136	1.9	3.1	<0.136	<0.136	0.156	0.084	0.033	0.140	0.036	0.089	0.13	0.079	0.062
1,1,1-Trichloroethane	<0.109	<0.066	<0.063	<0.109	<0.109	<0.109	<0.0087	<0.058	<0.049	<0.048	<0.049	<0.050	<0.049	<0.050
1,1,2-Trichloroethane	<0.163	<0.068	<0.065	<0.163	<0.163	<0.163	--	--	--	--	--	--	--	--
Trichloroethylene	<0.107	<0.090	0.15	<0.107	0.113	<0.107	0.024	<0.021	<0.018	<0.018	<0.018	0.032	<0.018	<0.018
m,p-Xylene	--	--	--	--	--	--	--	0.57	0.60	0.52	1.2 E	1.2	0.6	0.7
o-Xylene	--	--	--	--	--	--	--	0.24	0.24	0.21	0.47	0.48	0.25	0.28
Vinyl Chloride	<0.0511	<0.042	<0.47	<0.0511	<0.0511	<0.0511	--	--	--	--	--	--	--	--
Vinyl Acetate	<0.0704	<0.49	<0.040	<0.0704	<0.0704	<0.0704	--	--	--	--	--	--	--	--

See notes at end of table.

**Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners**

Sample Location	Background Window Covering	Background Window Covering	Background SVE											
Date	12/27/2023	7/31/2024	11/4/2013	4/3/2014	5/12/2014	7/16/2014	9/15/2014	11/12/2014	3/16/2015	6/16/2015	9/17/2015	12/14/2015	3/7/2016	6/9/2016
Benzene	0.50	<0.50	0.83	< 0.64	0.22	0.28	1.2	0.61	0.96	0.51	0.386	0.726	0.722	3.31
Carbon Tetrachloride	--	0.26	< 1.3	< 1.3	0.48	0.46	0.44	0.48	0.57	0.47	0.371	0.424	0.358	0.431
Chloroethane	--	--	< 0.53	< 0.53	< 0.11	< 0.11	< 0.11	< 0.11	0.14	< 0.11	< 0.106	< 0.106	< 0.106	< 0.106
Chloroform	--	<0.13	< 0.97	< 0.97	< 0.097	0.13	< 0.097	< 0.097	< 0.097	< 0.097	< 0.0973	0.0992	< 0.0973	< 0.0973
Chloromethane	--	--	0.87	0.99	0.93	1.0	0.85	1.3	1.6	1.1	0.792	0.905	0.979	1.29
Cyclohexane	0.095	<0.18	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	--	--	< 1.5	< 1.5	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.154	< 0.154	< 0.154	< 0.154
1,4-Dichlorobenzene	--	<0.19	< 1.2	< 1.2	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.120	< 0.120	< 0.120	< 0.120
1,2-Dichloroethane	--	<0.13	<0.81	<0.81	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	< 0.80	< 0.80	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080	< 0.0802	< 0.0802	< 0.0802	< 0.0802
1,1-Dichloroethene	--	--	< 0.79	< 0.79	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.0793	< 0.0793	< 0.0793	< 0.0793
cis-1,2-Dichloroethene	--	--	< 0.79	< 0.79	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.0793	< 0.0793	< 0.0793	< 0.0793
trans-1,2-Dichloroethene	--	--	< 0.79	< 0.79	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.0793	< 0.0793	< 0.0793	< 0.0793
1,2-Dichloropropane	--	--	< 0.92	< 0.92	< 0.14	< 0.14	< 0.14	< 0.14	0.88	< 0.14	< 0.139	< 0.139	< 0.139	< 0.139
cis-1,3-Dichloropropene	--	--	< 0.91	< 0.91	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.0908	< 0.0908	< 0.0908	< 0.0908
trans-1,3-Dichloropropene	--	--	< 0.91	< 0.91	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.136	< 0.136	< 0.136	< 0.136
Ethylbenzene	0.11	<0.14	< 0.87	< 0.87	0.33	0.33	0.56	0.16	0.36	0.74	0.201	0.334	0.714	2.27
Toluene	0.53	0.40	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	0.058	<0.16	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	< 1.4	< 1.4	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.137	< 0.137	< 0.137	< 0.137
Tetrachloroethylene	0.041	<0.17	< 1.4	< 1.4	0.81	0.14	0.29	< 0.14	< 0.14	0.18	0.197	0.479	0.346	0.19 M
1,1,1-Trichloroethane	<0.029	<0.16	< 1.1	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.109	< 0.109	< 0.109	< 0.109
1,1,2-Trichloroethane	--	--	< 1.1	< 1.1	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.163	< 0.163	< 0.163	< 0.163
Trichloroethylene	<0.011	<0.14	< 1.1	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11	0.11	< 0.11	< 0.107	< 0.107	< 0.107	< 0.107
m,p-Xylene	0.33	0.24	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	0.15	<0.15	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	--	--	< 0.51	< 0.51	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051	< 0.0511	< 0.0511	< 0.0511	< 0.0511
Vinyl Acetate	--	--	< 0.70	< 0.70	< 0.070	< 0.070	< 0.070	< 0.070	< 0.070	0.13	< 0.0704	< 0.0704	< 0.0704	< 0.0704

See notes at end of table.

**Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners**

Sample Location	Background SVE													
Date	9/12/2016	12/12/2016	3/30/2017	6/26/2017	10/2/2017	11/20/2017	2/8/2018	5/21/2018	8/3/2018	11/19/2018	3/18/2019	5/13/2019	8/19/2019	11/4/2019
Benzene	0.433	0.563	0.919	0.348	1.01	0.869	1.56	0.376	0.230	0.647	0.35	0.38	0.315	0.961
Carbon Tetrachloride	0.519	0.460	0.538	0.436	0.526	0.521	0.535	0.460	0.451	0.530	0.54	0.43	0.497	0.473
Chloroethane	< 0.106	< 0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.40	<0.37	<0.106	<0.106
Chloroform	< 0.0973	< 0.0973	<0.0973	<0.0973	<0.0973	0.126	0.159	<0.0973	<0.0973	<0.0973	<0.045	0.11	<0.0973	<0.0973
Chloromethane	1.08	0.985	1.43	0.965	1.10	1.34	1.03	1.07	0.812	0.833	0.84	0.84	1.06	0.911
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	< 0.154	< 0.154	<0.154	<0.154	<0.120	<0.154	<0.154	<0.154	<0.154	<0.154	<0.11	<0.10	<0.154	<0.154
1,4-Dichlorobenzene	< 0.120	< 0.120	<0.481	<0.120	<0.0810	<0.12	<0.12	<0.120	<0.120	<0.120	<1.6	<1.4	<0.120	<0.120
1,2-Dichloroethane	--	--	--	--	<0.0810	<0.0810	<0.0810	0.0814	<0.0810	<0.0810	0.098 J	0.079	<0.0810	<0.0810
1,1-Dichloroethane	< 0.0802	< 0.0802	<0.0802	<0.0802	<0.0802	<0.0802	<0.0802	<0.0802	<0.0802	<0.0802	<0.037	<0.035	<0.0802	<0.0802
1,1-Dichloroethene	< 0.0793	< 0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.054	<0.050	<0.0793	<0.0793
cis-1,2-Dichloroethene	< 0.0793	< 0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.042	<0.039	<0.0793	<0.0793
trans-1,2-Dichloroethene	< 0.0793	< 0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.0793	<0.057	<0.053	<0.0793	<0.0793
1,2-Dichloropropane	< 0.139	< 0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	<0.139	0.046 J	<0.042	<0.139	<0.139
cis-1,3-Dichloropropene	< 0.0908	< 0.0908	<0.0908	<0.0908	<0.0908	<0.0908	<0.0908	<0.0908	<0.0908	0.329	0.060 J	<0.052	<0.0908	<0.0908
trans-1,3-Dichloropropene	< 0.136	< 0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	<0.136	0.174	<0.064	<0.059	<0.136	<0.136
Ethylbenzene	0.213	0.202	0.711	0.561	0.552	0.484	0.860	0.497	0.201	0.218	0.86 J	<0.44	0.141	0.380
Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	< 0.137	< 0.137	<0.55	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.137	<0.087	<0.081	<0.137	<0.137
Tetrachloroethylene	0.272	< 0.136	0.677	0.474	0.140	<0.136	0.319	0.748	0.523	<0.136	0.10	3.0	<0.136	<0.136
1,1,1-Trichloroethane	< 0.109	< 0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.056	<0.052	<0.109	<0.109
1,1,2-Trichloroethane	< 0.163	< 0.163	<0.163	<0.163	<0.163	<0.163	<0.163	<0.163	<0.163	<0.163	<0.057	0.054 J	<0.163	<0.163
Trichloroethylene	< 0.107	< 0.107	<0.107	<0.107	0.401	<0.107	0.363	<0.107	<0.107	<0.107	<0.076	0.083	<0.107	0.134
m,p-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	< 0.0511	< 0.0511	0.0717	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.0511	<0.036	<0.39	<0.0511	<0.0511
Vinyl Acetate	< 0.0704	< 0.0704	<0.0704	<0.0704	<0.0704	<0.0704	<0.0704	<0.0704	<0.0704	<0.0704	<0.42	<0.033	<0.0704	<0.0704

See notes at end of table.

**Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners**

Sample Location	Background SVE												
Date	2/24/2020	11/3/2020	1/25/2021	8/31/2021	2/2/2022	7/18/2022	8/18/2022	1/25/2023	4/10/2023	8/29/2023	7/31/2024	1/24/2025	7/23/2025
Benzene	0.671	--	--	0.91 J+	0.90 J+	0.45	0.63	1.0	0.7	1.3	<0.50	0.94	<0.49
Carbon Tetrachloride	0.567	--	--	--	--	--	--	--	--	--	0.24	0.28	0.34
Chloroethane	<0.106	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	<0.0973	--	--	--	--	--	--	--	--	--	<0.13	<0.13	<0.13
Chloromethane	1.16	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	--	0.11	0.25	0.074	<0.036	0.30	0.18 J+	0.10 J+	<0.18	0.45	<0.18
1,2-Dibromoethane	<0.154	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	<0.120	--	--	--	--	--	--	--	--	--	<0.19	<0.19	<0.19
1,2-Dichloroethane	<0.0810	--	--	--	--	--	--	--	--	--	<0.13	<0.13	<0.13
1,1-Dichloroethane	<0.0802	<0.0087	<0.0099	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	<0.0793	<0.0087	<0.0099	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	<0.0793	<0.0087	<0.0099	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	<0.0793	<0.0087	<0.0099	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	<0.139	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	<0.0908	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	<0.136	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	0.304	--	--	0.24	0.24	0.16	0.65	0.33	0.20	0.30	<0.14	0.30	0.19
Toluene	--	--	--	0.83	1.1	0.69	3.0 E	1.5	0.78	1.00	0.44	1.7	0.62
Styrene	--	--	--	0.22	0.11	0.15	1.3 E	0.17	0.13	0.40	<0.16	<0.16	<0.16
1,1,2,2-Tetrachloroethane	<0.137	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	<0.136	0.11	0.18	0.038	0.18	0.059	1.1	0.14	0.089	0.240	<0.17	0.39	<0.17
1,1,1-Trichloroethane	<0.109	<0.0087	<0.0099	<0.058	<0.049	<0.048	<0.050	<0.050	<0.049	<0.050	<0.16	<0.16	<0.16
1,1,2-Trichloroethane	<0.163	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethylene	<0.107	0.024	0.019	<0.021	<0.018	<0.018	<0.018	0.032	<0.018	<0.018	<0.14	<0.14	<0.14
m,p-Xylene	--	--	--	0.60	0.28	0.47	1.4 E	0.96	0.56	0.67	0.28	0.99	0.73
o-Xylene	--	--	--	0.25	0.11	0.19	0.60	0.42	0.24	0.29	<0.15	0.35	0.25
Vinyl Chloride	<0.0511	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Acetate	<0.0704	--	--	--	--	--	--	--	--	--	--	--	--

See notes at end of table.

Table B-1
Ambient Air Analytical Results – Residential
Former Ellis Dry Cleaners

Notes:

1. Results in $\mu\text{g}/\text{m}^3$ = Micrograms per cubic meter.
2. Bold values indicate concentration detected above the minimum reporting limit.
3. VOCs = Volatile organic compounds.
4. Sample analyzed by EPA Method TO-15 SIM.
5. M = The relative percent difference between the primary and duplicate sample are above the quality control limit of 30%.
6. J = Data results are estimated values. Results associated with this qualifier are approximate.
7. J+ = Estimated concentration that may be biased high.
8. E = The result is above the upper limit of the calibration range. The reported concentration is estimated.

**Table B-2
Ambient Air Analytical Results – Commercial
Former Ellis Dry Cleaners**

Sample Location	Pizza A Go Go 1	Pizza A Go Go 2	Evol Twin Office	Evol Twin Office	Evol Twin Shop	Evol Twin Shop	Evol Twin Shop	Evol Twin Shop	Evol Twin Shop	Evol Twin Shop	Evol Twin Shop	Evol Twin Shop				
Date	7/31/2012	7/31/2012	7/30/2012	12/9/2014	7/30/2012	8/24/2013	11/4/2013	2/3/2014	4/3/2014 ⁴	5/12/2014	7/16/2014	12/9/2014	3/17/2015	6/16/2015	9/14/2015	12/14/2015
Benzene	0.61	0.99	0.48	0.35	0.80	1.3	0.70	0.32	< 2.6	0.48	0.42	0.25	0.83	0.18	0.323	0.781
Carbon Tetrachloride	0.44	0.69	< 0.50	0.33	< 1.3	0.32	< 1.3	< 0.13	< 5.0	0.43	0.63	0.30	0.29	0.43	0.391	0.442
Chloroethane	< 0.11	< 0.11	< 0.42	< 0.11	< 1.1	< 0.11	< 0.53	< 0.11	< 2.1	< 0.11	0.11	< 0.11	< 0.11	< 0.11	< 0.106	< 0.106
Chloroform	0.32	5.4	< 0.39	< 0.097	< 0.97	< 0.097	< 0.97	< 0.097	< 3.9	0.13	< 0.097	< 0.097	< 0.097	0.11	< 0.0973	0.165
Chloromethane	1.2	1.2	1.3	0.93	1.3	0.74	0.85	0.83	< 1.7	0.95	1.5	0.97	1.2	1.3	0.774	0.926
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	< 0.15	< 0.15	< 0.62	< 0.15	< 1.5	< 0.15	< 1.5	< 0.15	< 6.2	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.154	< 0.154
1,4-Dichlorobenzene	< 0.12	< 0.12	< 0.48	< 0.12	< 1.2	< 0.12	< 1.2	< 0.12	< 4.8	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.120	< 0.120
1,2-Dichloroethane	--	--	--	--	--	--	< 0.81	--	< 3.2	--	--	--	--	--	--	--
1,1-Dichloroethane	< 0.08	< 0.08	< 0.32	< 0.080	< 0.80	< 0.080	< 0.80	< 0.080	< 3.2	< 0.080	< 0.080	< 0.080	< 0.080	< 0.080	< 0.0802	< 0.0802
1,1-Dichloroethene	< 0.079	< 0.079	< 0.32	< 0.079	< 0.79	< 0.079	< 0.79	< 0.079	< 3.2	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.0793	< 0.0793
cis-1,2-Dichloroethene	< 0.079	< 0.079	< 0.32	< 0.079	< 0.79	< 0.079	< 0.79	< 0.079	< 3.2	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.0793	< 0.0793
trans-1,2-Dichloroethene	< 0.079	< 0.079	< 0.32	< 0.079	< 0.79	< 0.079	< 0.79	< 0.079	< 3.2	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.0793	< 0.0793
1,2-Dichloropropane	< 0.14	< 0.14	< 0.55	< 0.14	< 1.4	< 0.14	< 0.92	< 0.14	< 3.7	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.139	< 0.139
cis-1,3-Dichloropropene	< 0.091	< 0.091	< 0.36	< 0.091	< 0.91	< 0.091	< 0.91	< 0.091	< 3.6	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.0908	< 0.0908
trans-1,3-Dichloropropene	< 0.14	< 0.14	< 0.54	< 0.14	< 1.4	< 0.14	< 0.91	< 0.14	< 3.6	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.136	< 0.136
Ethylbenzene	0.56	0.95	1.4	2.1	1.3	2.5	< 0.87	0.19	< 3.5	0.15	0.42	2.1	0.61	0.24	0.248	4.28
Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	< 0.14	< 0.14	< 0.55	< 0.14	< 1.4	< 0.14	< 1.4	< 0.14	< 5.5	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.137	< 0.137
Tetrachloroethylene	0.27	2.7	26	19	67	100	16	7.5	16	8.8	0.88	9.5	2.2	0.23	1.51	2.13
1,1,1-Trichloroethane	< 0.11	< 0.11	< 0.44	< 0.11	< 1.1	< 0.11	< 1.1	< 0.11	< 4.4	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.109	< 0.109
1,1,2-Trichloroethane	< 0.16	< 0.16	< 0.65	< 0.16	< 1.6	< 0.16	< 1.1	< 0.16	< 4.4	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.163	< 0.163
Trichloroethylene	< 0.11	< 0.11	< 0.43	< 0.11	< 1.1	< 0.11	< 1.1	< 0.11	5.9	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.107	< 0.107
m,p-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	< 0.51	< 0.051	< 0.20	< 0.051	< 0.51	< 0.051	< 0.51	< 0.051	< 2.0	< 0.051	< 0.051	< 0.051	< 0.051	< 0.051	< 0.0511	< 0.0511
Vinyl Acetate	< 0.07	< 0.070	2.6	< 0.070	2.3	0.60	< 0.70	0.16	< 2.8	3.3	1.2	< 0.070	< 0.070	< 0.070	< 0.0704	0.759

See notes at end of table.

**Table B-2
Ambient Air Analytical Results – Commercial
Former Ellis Dry Cleaners**

Sample Location	Evol Twin Shop													
Date	3/7/2016	6/9/2016	9/16/2016	12/13/2016	3/30/2017	6/28/2017	10/2/2017	11/20/2017	2/8/2018	5/21/2018	8/3/2018	11/19/2018	3/18/2019	5/13/2019
Benzene	0.828	0.298	0.949	0.981	0.764	0.319	2.28	0.778	2.21	0.629	0.280	0.760	0.70	0.43
Carbon Tetrachloride	0.419	0.212	0.433	0.606	0.605	0.492	0.581	0.516	0.532	0.552	0.431	0.630	0.59	0.55
Chloroethane	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	< 0.106	0.539	< 0.106	< 0.106	< 0.106	< 0.42	< 0.46
Chloroform	< 0.0973	< 0.0973	< 0.0973	< 0.0973	< 0.0973	< 0.0973	< 0.0973	1.07	1.14	1.61	0.454	1.47	0.90 J	0.70
Chloromethane	1.13	1.48	1.22	1.22	1.34	1.08	1.25	1.67	3.49	1.18	0.794	1.13	1.0	1.2
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.11	< 0.12
1,4-Dichlorobenzene	< 0.120	< 0.120	< 0.120	< 0.481	< 0.12	< 0.120	2.37	< 0.12	0.234	< 0.120	< 0.120	< 0.120	< 1.6	< 1.8
1,2-Dichloroethane	--	--	--	--	--	--	< 0.0810	0.104	0.216	0.111	< 0.0810	0.0994	0.12 J	0.13
1,1-Dichloroethane	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.0802	< 0.039	< 0.042
1,1-Dichloroethene	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	0.084 J	< 0.061
cis-1,2-Dichloroethene	< 0.0793	< 0.0793	< 0.0793	< 0.0793	0.204	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	0.044 J	< 0.047
trans-1,2-Dichloroethene	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.0793	< 0.060	< 0.065
1,2-Dichloropropane	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	< 0.139	0.048 J	0.054 J
cis-1,3-Dichloropropene	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	< 0.0908	0.389	0.065 J	< 0.063
trans-1,3-Dichloropropene	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	< 0.136	0.212	< 0.066	< 0.072
Ethylbenzene	1.66	0.379	1.43	0.753	0.614	0.409	1.95	0.803	1.41	1.03	0.254	0.366	1.1 J	< 0.53
Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	< 0.137	< 0.137	< 0.137	< 0.550	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.090	< 0.098
Tetrachloroethylene	3.17	0.285 M	1.06	4.66	2.11	0.342	1.57	2.26	2.24	0.659	0.155	2.93	1.1	1.5
1,1,1-Trichloroethane	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.058	< 0.063
1,1,2-Trichloroethane	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.163	< 0.060	< 0.065
Trichloroethylene	< 0.107	< 0.107	< 0.107	< 0.107	0.113	< 0.107	0.107	< 0.107	0.184	< 0.107	< 0.107	< 0.107	< 0.079	< 0.086
m,p-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.0511	< 0.037	< 0.47
Vinyl Acetate	< 0.0704	< 0.0704	0.173	0.181	< 0.0704	< 0.0704	0.084	< 0.0704	0.208	0.229	0.103	0.185	< 0.43	< 0.040

See notes at end of table.

**Table B-2
Ambient Air Analytical Results – Commercial
Former Ellis Dry Cleaners**

Sample Location	Evol Twin Shop													
Date	8/19/2019	11/4/2019	2/25/2020	11/3/2020	8/31/2021	2/2/2022	7/18/2022	8/18/2022	1/25/2023	8/30/2023	12/27/2023	7/31/2024	1/24/2025	7/23/2025
Benzene	0.248	1.09	1.01	--	0.56 J+	0.84 J+	0.40	1.2 E	0.91	0.82	0.42	<0.50	0.97	<0.49
Carbon Tetrachloride	0.491	0.481	0.568	--	--	--	--	--	--	--	--	0.23	0.31	0.30
Chloroethane	<0.106	<0.106	<0.106	--	--	--	--	--	--	--	--	--	--	--
Chloroform	<0.0973	<0.0973	<0.0973	--	--	--	--	--	--	--	--	0.24	0.17	2.0
Chloromethane	1.19	1.03	1.00	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	--	--	0.18	0.26	0.099	0.13	0.40	0.22	0.11	0.57	0.66	0.39
1,2-Dibromoethane	<0.154	<0.154	<0.154	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	<0.120	<0.120	<0.120	--	--	--	--	--	--	--	--	<0.19	<0.19	<0.19
1,2-Dichloroethane	<0.0810	<0.0810	<0.0810	--	--	--	--	--	--	--	--	<0.13	<0.13	<0.13
1,1-Dichloroethane	<0.0802	<0.0802	<0.0802	<0.0087	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	<0.0793	<0.0793	<0.0793	<0.0087	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	<0.0793	<0.0793	<0.0793	<0.0087	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	<0.0793	<0.0793	<0.0793	<0.0087	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	<0.139	<0.139	<0.139	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	<0.0908	<0.0908	<0.0908	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	<0.136	<0.136	<0.136	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	0.246	0.681	4.42	--	0.46	0.50	0.98	0.53	0.59	1.30	0.28	0.38	0.41	0.63
Toluene	--	--	--	--	2.1 E	2.2 E	2.8 E	2.1 E	2.7 J	6.3 J-	1.3	2.0	2.1	2.0
Styrene	--	--	--	--	0.36	0.35	1.7	0.51	0.83	2.70	0.80	<0.16	<0.16	0.18
1,1,2,2-Tetrachloroethane	<0.137	<0.137	<0.137	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	<0.136	1.17	0.675	7.7	0.26	4.3 E	1.8	0.13	5.6	2.5	1.7	3.0	1.8	0.47
1,1,1-Trichloroethane	<0.109	<0.109	<0.109	<0.0087	<0.058	<0.049	<0.048	<0.050	<0.050	<0.051	<0.029	<0.16	<0.16	<0.16
1,1,2-Trichloroethane	<0.163	<0.163	<0.163	--	--	--	--	--	--	--	--	--	--	--
Trichloroethylene	<0.107	<0.107	<0.107	0.028	<0.021	<0.018	<0.018	<0.018	0.029	0.058	0.012	<0.14	<0.14	<0.15
m,p-Xylene	--	--	--	--	1.1	1.5	2.8 E	1.3 E	1.7	2.6	0.88	0.78	1.3	1.50
o-Xylene	--	--	--	--	0.54	0.61	1.3	0.53	0.72	0.77	0.29	0.30	0.47	0.81
Vinyl Chloride	<0.0511	<0.0511	<0.0511	--	--	--	--	--	--	--	--	--	--	--
Vinyl Acetate	<0.0704	<0.0704	0.0901	--	--	--	--	--	--	--	--	--	--	--

See notes at end of table.

Table B-2
Ambient Air Analytical Results – Commercial
Former Ellis Dry Cleaners

Notes:

1. Results in $\mu\text{g}/\text{m}^3$ = Micrograms per cubic meter.
2. Bold values indicate concentration detected above the minimum reporting limit.
3. VOCs = Volatile organic compounds.
4. M = The relative percent difference between the primary and duplicate sample are above the quality control limit of 30%.
5. J = Estimated concentration above the method detection limit and below the laboratory reporting limit.
6. E = Result exceeds instrument calibration limit.
7. J+ = Estimated concentration that may be biased high.
8. J- = Data results are estimated values and may be biased low.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	VP-F	VP-G	VP-K	VP-K	VP-L	VP-L	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10
Depth (ft bgs)	5	5	5	9	5	8.5	10-20	10-20	10-20	10-20	10-20	10-20
Date	8/13/2013	8/13/2013	11/4/2013	11/4/2013	11/4/2013	11/4/2013	4/3/2014	5/12/2014	7/16/2014	9/15/2014	11/11/2014	3/21/2015
Acetone	260	71	10	9.7	<3.0	29	--	57	<12	5.7	10	6.9
Allyl Chloride	<0.63	<0.63	<0.63	<1.3	<0.63	<2.5	--	<2.5	<2.5	<0.63	<0.63	<0.63
Benzene	<0.64	<0.64	0.93	<1.3	<0.64	<2.6	<10	<2.6	<2.6	1.2	<0.64	0.80
Benzyl Chloride	<1.0	<1.0	<1.0	<2.1	<1.0	<4.2	--	<4.2	<4.2	<1.0	<1.0	<1.0
Bromodichloromethane	<1.3	<1.3	<1.3	<2.7	<1.3	<5.4	--	<5.4	<5.4	<1.3	<1.3	<1.3
Bromoform	<6.2	<6.2	<6.2	<12	<6.2	<25	--	<25	<25	<6.2	<6.2	<6.2
Bromomethane	<0.78	<0.78	<0.78	<1.6	<0.78	<3.1	--	<3.1	<3.1	<0.78	<0.78	<0.78
1,3-Butadiene	<4.4	<4.4	<4.4	<8.9	<4.4	<18	--	<18	<18	<4.4	<4.4	<4.4
Carbon Disulfide	<0.62	<0.62	<0.62	<1.2	<0.62	<2.5	--	<2.5	<2.5	<0.62	<0.62	<0.62
Carbon Tetrachloride	<1.3	<1.3	<1.3	<2.5	<1.3	<5.0	<20	<5.0	<5.0	<1.3	<1.3	<1.3
Chlorobenzene	<0.92	<0.92	<0.92	<1.8	<0.92	<3.7	--	<3.7	<3.7	<0.92	<0.92	<0.92
Chloroethane	<0.53	<0.53	<0.53	<1.1	<0.53	<2.1	<17	<2.1	<2.1	<0.53	<0.53	<0.53
Chloroform	1.2	<0.97	<0.97	<1.9	1.5	<3.9	<16	<3.9	<3.9	<0.97	1.6	1.3
Chloromethane	1.7	<0.41	<0.41	<0.83	<0.41	<1.7	<9.9	<1.7	<1.7	<0.41	<0.41	<0.41
2-Chlorotoluene	<1.0	<1.0	<1.0	<2.1	<1.0	<4.1	--	<4.1	<4.1	<1.0	<1.0	<1.0
Cyclohexane	<0.69	<0.69	<0.69	<1.4	<0.69	<2.8	--	<2.8	<2.8	<0.69	<0.69	1.5
Dibromochloromethane	<1.7	<1.7	<1.7	<3.4	<1.7	<6.8	--	<6.8	<6.8	<1.7	<1.7	<1.7
1,2-Dibromoethane	<1.5	<1.5	<1.5	<3.1	<1.5	<6.2	<25	<6.2	<6.2	<1.5	<1.5	<1.5
1,2-Dichlorobenzene	<1.2	<1.2	<1.2	<2.4	<1.2	<4.8	--	<4.8	<4.8	<1.2	<1.2	<1.2
1,3-Dichlorobenzene	<1.2	<1.2	<1.2	<2.4	<1.2	<4.8	--	<4.8	<4.8	<1.2	41	4.4 M
1,4-Dichlorobenzene	<1.2	<1.2	<1.2	<2.4	<1.2	<4.8	<19	<4.8	<4.8	<1.2	<1.2	<1.2
1,2-Dichloroethane	<0.81	<0.81	<0.81	<1.6	<0.81	<3.2	--	<3.2	<3.2	<0.81	<0.81	<0.81
1,1-Dichloroethane	<0.80	<0.80	<0.80	<1.6	<0.80	<3.2	<13	<3.2	<3.2	<0.80	<0.80	<0.80
1,1-Dichloroethene	<0.79	<0.79	<0.79	<1.6	<0.79	<3.2	<13	<3.2	<3.2	<0.79	<0.79	<0.79
cis-1,2-Dichloroethene	<0.79	<0.79	<0.79	<1.6	<0.79	<3.2	<13	<3.2	<3.2	<0.79	<0.79	1.6
trans-1,2-Dichloroethene	<0.79	<0.79	<0.79	<1.6	<0.79	<3.2	<13	<3.2	<3.2	<0.79	<0.79	18
1,2-Dichloropropane	<0.92	<0.92	<0.92	<1.8	<0.92	<3.7	<22	<3.7	<3.7	<0.92	<0.92	<0.92
cis-1,3-Dichloropropene	<0.91	<0.91	<0.91	<1.8	<0.91	<3.6	<15	<3.6	<3.6	<0.91	<0.91	<0.91
trans-1,3-Dichloropropene	<0.91	<0.91	<0.91	<1.8	<0.91	<3.6	<22	<3.6	<3.6	<0.91	<0.91	<0.91
1,4-Dioxane	<0.72	<0.72	<0.72	<1.4	<0.72	<2.9	--	<2.9	<2.9	<0.72	<0.72	<0.72
Ethanol	<1.2	6.4	<1.2	2.6	1.5	10	--	9.8	<4.8	9.4	12	79 M
Ethylbenzene	<0.87	<0.87	<0.87	<1.7	<0.87	<3.5	21	<3.5	<3.5	<0.87	0.91	1.3
4-Ethyltoluene	<0.98	<0.98	<0.98	<2.0	<0.98	<3.9	--	<3.9	<3.9	<0.98	<0.98	1.1
Trichlorofluoromethane	1.3	1.2	2.0	9.6	1.3	6.2	--	<4.5	<4.5	1.5	2.0	2.2
Dichlorodifluoromethane	<0.99	2.2	1.7	2.4	1.7	4.6	--	<4.0	<4.0	1.5	3.6	2.3
1,1,2-Trichlorotrifluoroethane	<1.5	<1.5	<1.5	<3.1	<1.5	<6.1	--	<6.1	<6.1	<1.5	<1.5	<1.5
1,2-Dichlorotetrafluoroethane	<1.4	<1.4	<1.4	<2.8	<1.4	<5.6	--	<5.6	<5.6	<1.4	<1.4	<1.4
Heptane	<0.82	<0.82	<0.82	<1.6	<0.82	<3.3	--	<3.3	<3.3	<0.82	<0.82	1.4
Hexachloro-1,3-butadiene	<6.7	<6.7	<6.7	<13	<6.7	<27	--	<27	<27	<6.7	<6.7	<6.7
n-Hexane	<0.71	0.88	<0.71	<1.4	1.1	<2.8	--	<2.8	<2.8	<0.71	<0.71	2.2
Isopropylbenzene	<0.98	<0.98	<0.98	<2.0	<0.98	<3.9	--	<3.9	<3.9	<0.98	<0.98	<0.98
Methylene Chloride	<0.69	2.9	<0.69	<1.4	<0.69	<2.8	--	6.9	<2.8	<0.69	<0.69	<0.69
Methyl Butyl Ketone	20	<5.1	13	<10	<5.1	<20	--	<20	<20	<5.1	<5.1	<5.1
2-Butanone (MEK)	10	<3.7	8.3	7.7	<3.7	<15	--	50	<15	<3.7	<3.7	4.7
4-Methyl-2-pentanone (MIBK)	7.4	<5.1	7.4	<10	<5.1	<20	--	<20	<20	<5.1	<5.1	<5.1
Methyl methacrylate	<0.82	0.98	<0.82	<1.6	<0.82	<3.3	--	<3.3	<3.3	<0.82	<0.82	<0.82
MTBE	<0.72	<0.72	<0.72	<1.4	<0.72	<2.9	--	<2.9	<2.9	<0.72	<0.72	<0.72
Naphthalene	<3.3	<3.3	<3.3	<6.6	<3.3	<13	--	<13	<13	<3.3	<3.3	<3.3
2-Propanol	<3.1	3.2	<3.1	<6.1	<3.1	<12	--	<12	19	<3.1	9,300	69 M
Propene	<0.69	<0.69	1.6	2.2	<0.69	7.1	--	<2.8	<2.8	<0.69	1.4	<0.69
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	1.2	0.85	<0.85	<1.7	<0.85	<3.4	--	<3.4	<3.4	<0.85	<0.85	<0.85
1,1,2,2-Tetrachloroethane	<1.4	<1.4	<1.4	<2.7	<1.4	<3.0	<3.2	<5.5	<5.5	<1.4	<1.4	<1.4
Tetrachloroethylene	150	75	3,000	22,000	5,400	40,000	2,600	8,800	6,800	4,200	2,300	2,300
Tetrahydrofuran	1.1	<0.59	<0.59	<1.2	<0.59	<2.4	--	940	7.1	77	<0.59	1.7
Toluene	3.1	3.0	3.1	1.7	<0.75	<3.0	--	<3.0	<3.0	1.5	2.9	6.4
1,2,4-Trichlorobenzene	<4.7	<4.7	<4.7	<9.3	<4.7	<19	--	<19	<19	<4.7	<4.7	<4.7
1,1,1-Trichloroethane	<1.1	<1.1	<1.1	2.3	<1.1	<4.4	<17	<4.4	<4.4	<1.1	<1.1	<1.1
1,1,2-Trichloroethane	<1.1	<1.1	<1.1	<2.2	<1.1	<4.4	<26	<4.4	<4.4	<1.1	<1.1	<1.1
Trichloroethylene	<1.1	<1.1	<1.1	<2.1	<1.1	8.6	<17	<4.3	<4.3	2.1	1.7	2.7
1,2,4-Trimethylbenzene	2.1	1.3	<0.98	<2.0	1.1	<3.9	--	<3.9	<3.9	1.0	1.4	4.1
1,3,5-Trimethylbenzene	<0.98	<0.98	<0.98	<2.0	<0.98	<3.9	--	<3.9	<3.9	<0.98	<0.98	1.2
2,2,4-Trimethylpentane	<0.93	<0.93	<0.93	<1.9	<0.93	<3.7	--	<3.7	<3.7	<0.93	<0.93	<0.93
Vinyl Chloride	<0.51	<0.51	<0.51	<1.0	<0.51	<2.0	<8.2	<2.0	<2.0	<0.51	<0.51	<0.51
Vinyl Bromide	<0.87	<0.87	<0.87	<1.7	<0.87	<3.5	--	<3.5	<3.5	<0.87	<0.87	<0.87
Vinyl Acetate	<0.70	<0.70	<0.70	<1.4	<0.70	<2.8	<11	<2.8	<2.8	<0.70	<0.70	<0.70
m&p-Xylene	2.1	2.2	<1.7	<3.5	<1.7	<6.9	--	<6.9	<6.9	<1.7	3.9	8.7
o-Xylene	0.95	<0.87	<0.87	<1.7	<0.87	<3.5	--	<3.5	<3.5	<0.87	1.4	3.4
TPHg	2,000	870	1,400	4,000	1,400	7,800	--	4,500	5,400	2,200	2,000	1,100

See notes at end of table.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10
Depth (ft bgs)	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20
Date	6/16/2015	9/17/2015	12/14/2015	3/7/2016	6/9/2016	9/16/2016	12/12/2016	3/30/2017	6/26/2017	9/29/2017	11/20/2017	2/8/2018
Acetone	6.7	5.81	< 2.97	7.29	5.92	18.5	< 2.97	7.22	1,040	< 2.97	3.43	37.8
Allyl Chloride	< 0.63	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626
Benzene	< 0.64	< 0.639	< 0.639	< 0.639	< 0.639	0.667	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639
Benzyl Chloride	< 1.0	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04
Bromodichloromethane	< 1.3	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34
Bromoform	< 6.2	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21
Bromomethane	< 0.78	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776
1,3-Butadiene	< 4.4	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43
Carbon Disulfide	< 0.62	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622
Carbon Tetrachloride	< 1.3	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26
Chlorobenzene	< 0.92	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924
Chloroethane	< 0.53	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	4.20	< 0.528	< 0.528	< 0.528	< 0.528
Chloroform	< 0.97	< 0.973	1.16	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973
Chloromethane	0.70	< 0.413	< 0.413	< 0.413	1.09	< 0.413	0.905	< 0.413	2.85	0.483	< 0.413	0.482
2-Chlorotoluene	< 1.0	< 1.03	< 1.03	< 1.03	1.09	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03
Cyclohexane	< 0.69	< 0.689	< 0.689	< 0.689	< 0.689	1.29	< 0.689	< 0.689	1.04	< 0.689	2.68	< 0.689
Dibromochloromethane	< 1.7	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70
1,2-Dibromoethane	< 1.5	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54
1,2-Dichlorobenzene	< 1.2	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,3-Dichlorobenzene	< 1.2	< 1.20	2.92	6.87	< 1.20	5.49	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,4-Dichlorobenzene	< 1.2	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,2-Dichloroethane	< 0.81	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810
1,1-Dichloroethane	< 0.80	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	73.4	< 0.802	< 0.802	< 0.802	< 0.802
1,1-Dichloroethene	< 0.79	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	18.9	< 0.793	< 0.793	< 0.793	< 0.793
cis-1,2-Dichloroethene	1.0	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	82.8	< 0.793	< 0.793	< 0.793	< 0.793
trans-1,2-Dichloroethene	< 0.79	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793
1,2-Dichloropropane	< 0.92	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924
cis-1,3-Dichloropropene	< 0.91	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908
trans-1,3-Dichloropropene	< 0.91	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908
1,4-Dioxane	< 0.72	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721
Ethanol	4.9	29.4	4.98 J3	34.7	8.26	13.2	4.04	9.91	18.2	2.73	3.46	3.19
Ethylbenzene	2.9	< 0.867	< 0.867	2.07	< 0.867	2.70	< 0.867	< 0.867	1.62	< 0.867	1.00	1.07
4-Ethyltoluene	2.4	< 0.982	< 0.982	4.48	< 0.982	1.19	< 0.982	1.09	2.57	< 0.982	< 0.982	< 0.982
Trichlorofluoromethane	1.7	1.3	1.8	1.98	1.31	1.4	1.36	1.84	1.73	1.71	2.32	< 1.12
Dichlorodifluoromethane	2.6	2.5	3.15	2.42	2.07	2.42	3.05	2.13	1.42	1.43	1.49	1.49
1,1,2-Trichlorotrifluoroethane	< 1.5	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53
1,2-Dichlorotetrafluoroethane	< 1.4	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40
Heptane	< 0.82	< 0.818	< 0.818	< 0.818	< 0.818	1.47	< 0.818	3.29	1.66	< 0.818	< 0.818	< 0.818
Hexachloro-1,3-butadiene	< 6.7	< 6.73	< 6.73 J3	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73
n-Hexane	< 0.71	< 0.705	< 0.705	0.863	1.11	2.20	< 0.705	2.53	1.68	< 0.705	< 0.705	1.09
Isopropylbenzene	< 0.98	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983
Methylene Chloride	< 0.69	< 0.694	< 0.694	< 0.694	< 0.694	< 0.694	< 0.694	< 0.694	0.749 B	< 0.694	< 0.694	< 0.694
Methyl Butyl Ketone	< 5.1	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11
2-Butanone (MEK)	< 3.7	< 3.69	< 3.69	3.79	< 3.69	7.00	< 3.69	< 3.69	1,020	< 3.69	< 3.69	4.52
4-Methyl-2-pentanone (MIBK)	< 5.1	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12
Methyl methacrylate	< 0.82	< 0.819	< 0.819	1.06	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819
MTBE	< 0.72	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721
Naphthalene	5.2	< 3.30	< 3.30 J3	< 3.30	< 3.30	9.92	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30
2-Propanol	< 3.1	< 3.07	14.5	50.0	9.0	1530	< 3.07	18.3	10.3	< 3.07	< 3.07	26.6
Propene	< 0.69	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	0.804	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	< 0.85	< 0.851	< 0.851	3.2	< 0.851	0.898	< 0.851	< 0.851	< 0.851	< 0.851	< 0.851	< 0.851
1,1,2,2-Tetrachloroethane	< 1.4	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37
Tetrachloroethylene	2,800	322	929	3,450	98.7 M	326	32.6	633	315	105	62.3	2.58
Tetrahydrofuran	0.97	< 0.590	0.769	3.44	< 0.590	88.8	1.12	8.99	2,810	40.0	8.84	2.96
Toluene	4.5	2.02	1.51	6.76	1.17	11.5	< 0.753	4.71	8.46	1.37	3.36	1.42
1,2,4-Trichlorobenzene	< 4.7	< 4.66	< 4.66 J3	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66
1,1,1-Trichloroethane	< 1.1	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	179	< 1.09	< 1.09	< 1.09	< 1.09
1,1,2-Trichloroethane	< 1.1	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09
Trichloroethylene	1.4	< 1.07	6.82	2.01	< 1.07	< 1.07	< 1.07	47.4	< 1.07	< 1.07	< 1.07	< 1.07
1,2,4-Trimethylbenzene	8.8	3.6	1.26	5.40	< 0.982	3.76	1.13	1.30	3.35	< 0.982	2.23	< 0.982
1,3,5-Trimethylbenzene	2.5	1.06	< 0.982	1.46	< 0.982	1.01	< 0.982	< 0.982	2.26	< 0.982	< 0.982	< 0.982
2,2,4-Trimethylpentane	< 0.93	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	1.77	< 0.934	< 0.934	< 0.934
Vinyl Chloride	< 0.51	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	15.4	0.540	< 0.511	< 0.511	< 0.511
Vinyl Bromide	< 0.87	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875
Vinyl Acetate	< 0.70	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704
m&p-Xylene	19	4.33	2.59	10.5	< 1.73	12.1	< 1.73	2.45	6.56	< 1.73	4.42	4.23
o-Xylene	6.1	1.94	0.951	3.96	< 0.867	3.99	< 0.867	0.934	2.40	< 0.867	1.50	1.60
TPHg	2,200	359	687	1,280	207	1,100	< 207	1,500	3,610	222	< 207	883

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location Depth (ft bgs)	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10	SV-10
	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20
Date	5/21/2018	8/3/2018	11/19/2018	3/18/2019	5/13/2019	8/19/2019	11/4/2019	2/24/2020	11/4/2020	1/25/2021	8/31/2021	1/26/2022
Acetone	7.67	100	<2.97	5.12	6.90	<29.7	4.75	7.25	<2.97	4.18	<2.97	3.68
Allyl Chloride	<0.626	<0.626	<0.626	<0.626	<2.3	<6.26	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626
Benzene	<0.639	<0.639	<0.639	<0.639	<0.47	<6.39	<0.639	1.33	<0.639	<0.639	<0.639	0.799
Benzyl Chloride	<1.04	<1.04	<1.04	<1.04	<3.8	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04
Bromodichloromethane	<1.34	<1.34	<1.34	<1.34	<2	<13.4	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34
Bromoform	<6.21	<6.21	<6.21	<6.21	<7.6	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21
Bromomethane	<0.776	<0.776	<0.776	<0.776	<1.1	<7.76	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776
1,3-Butadiene	<4.43	<4.43	<4.43	<4.43	<0.65	<44.3	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43
Carbon Disulfide	<0.622	<0.622	<0.622	<0.622	<0.91	<6.22	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622
Carbon Tetrachloride	<1.26	<1.26	<1.26	<1.26	<1.8	<12.6	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26
Chlorobenzene	<0.924	<0.924	<0.924	<0.924	<1.3	<9.24	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
Chloroethane	<0.528	<0.528	<0.528	<0.528	<0.77	<5.28	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528
Chloroform	<0.973	<0.973	<0.973	<0.973	<0.71	<9.73	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973
Chloromethane	0.984	1.5	0.739	<0.413	0.73	<4.13	<0.413	1.02	0.673	<0.413	1.05	1.12
2-Chlorotoluene	<1.03	<1.03	<1.03	<1.03	-	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Cyclohexane	<0.689	<0.689	<0.689	<0.689	<2.5	<6.89	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689
Dibromochloromethane	<1.70	<1.70	<1.70	<1.70	<2.5	<17.0	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70
1,2-Dibromoethane	<1.54	<1.54	<1.54	<1.54	<1.1	<15.4	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.8	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,3-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	105	<1.20	<1.20	2.30	<1.20	3.34	<1.20	<1.20
1,4-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<4.4	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dichloroethane	<0.810	<0.810	<0.810	<0.810	<0.59	<8.10	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810
1,1-Dichloroethane	<0.802	<0.802	<0.802	<0.802	<1.2	<8.02	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802
1,1-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<1.2	<7.93	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<1.2	<7.93	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
trans-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<1.2	<7.93	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
1,2-Dichloropropane	<0.924	<0.924	<0.924	<0.924	<1.4	<9.24	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<1.3	<9.08	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<1.3	<9.08	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
1,4-Dioxane	<0.721	<0.721	<0.721	<0.721	<5.3	<7.21	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Ethanol	2.38	7.04	1.67	30.8	3.3	<11.9	3.83	11.4	8.07	9.43	<2.36	4.47
Ethylbenzene	1.91	<0.867	<0.867	1.88	1.9	<0.867	<0.867	3.76	<0.867	0.993	<0.867	0.98
4-Ethyltoluene	3.08	<0.982	<0.982	5.10	<3.6	<0.982	<0.982	6.67	1.72	<0.982	<0.982	1.04
Trichlorofluoromethane	<1.12	1.33	1.71	4.06	1.7	<11.2	1.21	1.51	2.06	1.99	1.55	1.39
Dichlorodifluoromethane	1.38	1.76	3.30	1.82	2.1	<9.89	2.01	2.82	2.92	2.82	2.73	2.70
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<1.53	<1.53	<2.2	<15.3	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	<1.40	<1.40	<1.40	<1.40	<2	<14.0	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Heptane	<0.818	<0.818	<0.818	<0.818	<1.2	<8.18	<0.818	3.03	<0.818	<0.818	<0.818	<0.818
Hexachloro-1,3-butadiene	<6.73	<6.73	<6.73	<6.73	<7.8	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73
n-Hexane	<0.705	<0.705	<0.705	<0.705	<1	<7.05	0.94	1.85	<2.22	<2.22	<2.22	<2.22
Isopropylbenzene	<0.983	<0.983	<0.983	<0.983	<3.6	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983
Methylene Chloride	<0.694	<0.694	<0.694	3.55	<5.1	<6.94	<0.694	<0.694	<0.694	<0.694	<0.694	<0.694
Methyl Butyl Ketone	<5.11	<5.11	<5.11	<5.11	<6	<51.1	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11
2-Butanone (MEK)	4.90	111	<3.69	5.55	6.4	<36.9	<3.69	3.95	5.60	<3.69	6.02	6.02
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<5.12	<5.12	<6	<51.2	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12
Methyl methacrylate	<0.819	<0.819	<0.819	<0.819	<1.2	<8.19	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819
MTBE	<0.721	<0.721	<0.721	<0.721	<5.3	<7.21	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Naphthalene	<3.30	<3.30	<3.30	<3.30	<3.8	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30
2-Propanol	<3.07	3.16	<3.07	<3.07	162	<30.7	<3.07	<3.07	<3.07	9.29	<3.07	<3.07
Propene	<0.689	<0.689	<0.689	<0.689	0.58	<6.89	<0.689	<0.689	<0.689	<0.689	<2.15	<2.15
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	<0.982
Styrene	<0.851	<0.851	<0.851	0.927	1.7	1.02	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<1.37	<1.37	<1	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37
Tetrachloroethylene	<1.36	31.8	26.8	607	104	671	446	4.43	102	50.7	18.7	<1.36
Tetrahydrofuran	18.5	155	27.6	13.6	41.5	21.1	<0.590	32.1	<0.590	<0.590	10.7	8.08
Toluene	4.41	<0.753	<0.753	5.86	4.2	<7.53	1.28	24.2	3.80	3.77	<1.88	6.29
1,2,4-Trichlorobenzene	<4.66	<4.66	<4.66	<4.66	<10.9	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66
1,1,1-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<1.6	<10.9	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
1,1,2-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<0.8	<10.9	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
Trichloroethylene	<1.07	<1.07	<1.07	<1.07	<0.79	<10.7	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07
1,2,4-Trimethylbenzene	4.06	<0.982	<0.982	5.94	9.0	<0.982	<0.982	7.61	2.25	1.30	1.62	1.23
1,3,5-Trimethylbenzene	<0.982	<0.982	<0.982	1.74	2.6	<0.982	<0.982	2.34	<0.982	<0.982	<0.982	<0.982
2,2,4-Trimethylpentane	1.01	<0.934	<0.934	<0.934	<3.4	<9.34	<0.934	2.37	<0.934	1.03	<0.934	1.45
Vinyl Chloride	<0.511	<0.511	<0.511	<0.511	<0.37	<5.11	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511
Vinyl Bromide	<0.875	<0.875	<0.875	<0.875	<1.3	<8.75	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875
Vinyl Acetate	<0.704	<0.704	<0.704	<0.704	<1	<7.04	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704
m&p-Xylene	8.19	<1.73	<1.73	9.47	8.3	<1.73	<1.73	15.8	3.39	3.86	2.30	3.89
o-Xylene	3.33	<0.867	<0.867	3.67	3.6	<0.867	<0.867	6.16	1.51	1.51	1.17	1.45
TPHg	<207	498	<207	840	894	690 J+	379	<826	<826	<826	<826	<826

See notes at end of table.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	SV-10	SV-10	SV-10	SV-10	SV-10	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12
Depth (ft bgs)	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20
Date	7/18/2022	8/18/2022	1/18/2023	4/3/2023	8/22/2023	4/3/2014	5/12/2014	7/16/2014	9/15/2014	11/11/2014	3/21/2015	6/16/2015
Acetone	7.34	27.3	<2.97	5.3	9.24	--	11,000	38	5.7	8.8	10	40
Allyl Chloride	<0.626	<0.626	<0.626	<0.626	<0.357	--	< 50	< 2.5	< 0.63	< 0.63	< 0.63	< 0.63
Benzene	<0.639	<0.639	<0.639	<0.639	<0.228	< 51	< 51	< 2.6	19	< 0.64	0.77	0.89
Benzyl Chloride	<1.04	<1.04	<1.04	<1.04	<0.311	--	< 83	< 4.2	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	<1.34	<1.34	<1.34	<1.34	<0.471	--	< 110	< 5.4	< 1.3	< 1.3	< 1.3	< 1.3
Bromoform	<6.21	<6.21	<6.21	<6.21	<0.757	--	< 500	< 25	< 6.2	< 6.2	< 6.2	< 6.2
Bromomethane	<0.776	<0.776	<0.776	<0.776	<0.381	--	< 62	< 3.1	< 0.78	< 0.78	< 0.78	< 0.78
1,3-Butadiene	<4.43	<4.43	<4.43	<4.43	<0.230	--	< 350	< 18	< 4.4	< 4.4	< 4.4	< 4.4
Carbon Disulfide	<0.622	0.644	<0.622	<0.622	<0.317	--	180	6.2	< 0.62	< 0.62	< 0.62	3.1
Carbon Tetrachloride	<1.26	<1.26	<1.26	<1.26	<0.461	< 100	< 100	< 5.0	< 1.3	< 1.3	< 1.3	< 1.3
Chlorobenzene	<0.924	<0.924	<0.924	<0.924	<0.385	--	< 74	< 3.7	< 0.92	< 0.92	< 0.92	< 0.92
Chloroethane	<0.528	<0.528	<0.528	<0.528	<0.263	< 84	< 42	< 2.1	< 0.53	< 0.53	< 0.53	0.55
Chloroform	<0.973	<0.973	<0.973	<0.973	<0.349	< 78	< 78	< 3.9	< 0.97	< 0.97	< 0.97	< 0.97
Chloromethane	0.808	0.729	0.541	1.250	1.12	< 50	< 33	< 1.7	< 0.41	< 0.41	< 0.41	4.8
2-Chlorotoluene	<1.03	<1.03	<1.03	<1.03	<0.427	--	< 82	< 4.1	< 1.0	< 1.0	< 1.0	< 1.0
Cyclohexane	<0.689	<0.689	<0.689	<0.689	<0.259	--	76	3.0	6.2	< 0.69	1.2	< 0.69
Dibromochloromethane	<1.70	<1.70	<1.70	<1.70	<0.618	--	< 140	< 6.8	< 1.7	< 1.7	< 1.7	< 1.7
1,2-Dibromoethane	<1.54	<1.54	<1.54	<1.54	<0.554	< 120	< 120	< 6.2	< 1.5	< 1.5	< 1.5	< 1.5
1,2-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<0.770	--	< 96	< 4.8	< 1.2	< 1.2	< 1.2	< 1.2
1,3-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.09	--	< 96	< 4.8	< 1.2	2.1	< 1.2	< 1.2
1,4-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<0.335	< 96	< 96	< 4.8	< 1.2	< 1.2	< 1.2	< 1.2
1,2-Dichloroethane	<0.810	<0.810	<0.810	<0.810	<0.283	--	< 65	< 3.2	< 0.81	< 0.81	< 0.81	< 0.81
1,1-Dichloroethane	<0.802	<0.802	<0.802	<0.802	<0.290	< 64	< 64	< 3.2	< 0.80	< 0.80	< 0.80	< 0.80
1,1-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.302	< 63	< 63	< 3.2	< 0.79	< 0.79	< 0.79	< 0.79
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.311	< 63	< 63	< 3.2	< 0.79	< 0.79	2.9	< 0.79
trans-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.267	< 63	< 63	< 3.2	< 0.79	< 0.79	< 0.79	< 0.79
1,2-Dichloropropane	<0.924	<0.924	<0.924	<0.924	<0.351	< 110	< 74	< 3.7	< 0.92	< 0.92	< 0.92	< 0.92
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.313	< 73	< 73	< 3.6	< 0.91	< 0.91	< 0.91	< 0.91
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.331	< 110	< 73	< 3.6	< 0.91	< 0.91	< 0.91	< 0.91
1,4-Dioxane	<0.721	<0.721	<0.721	<0.721	<0.300	--	< 58	< 2.9	< 0.72	< 0.72	< 0.72	10
Ethanol	20.6	<2.36	2.45	8.43	14.0	--	2,300	40	230	3.8	26 M	7.5
Ethylbenzene	<0.867	<0.867	<0.867	<0.867	<0.362	< 100	< 69	< 3.5	6.1	< 0.87	1.3	< 0.87
4-Ethyltoluene	<0.982	<0.982	<0.982	<0.982	<0.384	--	< 79	< 3.9	1.5	< 0.98	1.3	< 0.98
Trichlorofluoromethane	1.80	1.50	1.66	1.37	1.31	--	< 90	< 4.5	1.5	1.9	2.1	1.5
Dichlorodifluoromethane	2.62	2.50	2.93	2.40	2.43	--	< 79	< 4.0	1.6	2.7	3.5	1.8
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<1.53	<1.53	<0.608	--	< 120	< 6.1	< 1.5	< 1.5	< 1.5	< 1.5
1,2-Dichlorotetrafluoroethane	<1.40	<1.40	<1.40	<1.40	<0.622	--	< 110	< 5.6	< 1.4	< 1.4	< 1.4	< 1.4
Heptane	<0.818	<0.818	<0.818	<0.818	0.847	--	< 65	< 3.3	14	< 0.82	1.1	< 0.82
Hexachloro-1,3-butadiene	<6.73	<6.73	<6.73	<6.73	<1.12	--	< 540	< 27	< 6.7	< 6.7	< 6.7	< 6.7
n-Hexane	<2.22	<2.22	<2.22	<2.22	<0.726	--	560	8.1	42	< 0.71	1.6	< 0.71
Isopropylbenzene	<0.983	<0.983	<0.983	<0.983	<0.382	--	< 79	< 3.9	< 0.98	< 0.98	< 0.98	< 0.98
Methylene Chloride	1.32	<0.694	<0.694	0.757	0.823	--	76	7.3	< 0.69	< 0.69	< 0.69	< 0.69
Methyl Butyl Ketone	<5.11	<5.11	<5.11	<5.11	<0.544	--	< 410	< 20	< 5.1	< 5.1	< 5.1	< 5.1
2-Butanone (MEK)	<3.69	28.2	<3.69	<3.69	<3.69	--	590	< 15	< 3.7	< 3.7	6.8	8.3
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<5.12	<5.12	<0.313	--	< 410	< 20	< 5.1	< 5.1	< 5.1	< 5.1
Methyl methacrylate	<0.819	<0.819	<0.819	<0.819	<0.359	--	260	< 3.3	< 0.82	< 0.82	< 0.82	< 0.82
MTBE	<0.721	<0.721	<0.721	<0.721	<0.233	--	< 58	< 2.9	< 0.72	< 0.72	< 0.72	< 0.72
Naphthalene	<3.30	<3.30	<3.30	<3.30	<1.83	--	< 260	< 13	< 3.3	< 3.3	< 3.3	< 3.3
2-Propanol	<3.07	<3.07	<3.07	<3.07	<0.649	--	250	27	< 3.1	3,400	6.1 M	< 3.1
Propene	<2.15	<2.15	<2.15	<2.15	<0.160	--	< 55	6.0 J	< 0.69	< 0.69	< 0.69	1.1
n-Propylbenzene	<0.982	<0.982	<0.982	<0.982	<0.379	--	--	--	--	--	--	--
Styrene	<0.851	1.05	<0.851	<0.851	<0.335	--	< 68	5.1	< 0.85	< 0.85	< 0.85	< 0.85
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<1.37	<1.37	<0.511	--	< 110	< 5.5	< 1.4	< 1.4	< 1.4	< 1.4
Tetrachloroethylene	4.05	38.4	176	<1.36	<0.553	< 110	88,000	8,100	4,800	2,900	5,200	3,100
Tetrahydrofuran	<0.590	71.7	<0.590	<0.590	3.10	54,000	4,100	170	< 0.59	2.9	2.5	2.1
Toluene	2.44	<1.88	<1.88	<1.88	<0.328	--	1,200	120	57	1.5	6.0	1.9
1,2,4-Trichlorobenzene	<4.66	<4.66	<4.66	<4.66	<1.10	--	< 370	< 19	< 4.7	< 4.7	< 4.7	< 4.7
1,1,1-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<0.400	--	< 87	< 4.4	< 1.1	< 1.1	< 1.1	< 1.1
1,1,2-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<0.422	< 87	< 87	< 4.4	< 1.1	< 1.1	< 1.1	< 1.1
Trichloroethylene	2.20	<1.07	<1.07	<1.07	<0.364	< 130	< 86	< 4.3	1.8	1.8	7.0	1.9
1,2,4-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<0.375	< 86	< 79	270	4.1	1.0	4.6	3.3
1,3,5-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<0.382	--	< 79	5.9	1.4	< 0.98	1.5	< 0.98
2,2,4-Trimethylpentane	<0.934	<0.934	<0.934	<0.934	<0.621	--	< 75	< 3.7	12	< 0.93	< 0.93	< 0.93
Vinyl Chloride	<0.511	<0.511	<0.511	<0.511	<0.243	--	< 41	< 2.0	< 0.51	< 0.51	< 0.51	< 0.51
Vinyl Bromide	<0.875	<0.875	<0.875	<0.875	<0.373	< 41	< 70	< 3.5	< 0.87	< 0.87	< 0.87	< 0.87
Vinyl Acetate	<0.704	<0.704	<0.704	<0.704 UJ	<0.408 J	--	< 56	< 2.8	< 0.70	< 0.70	< 0.70	< 0.70
m&p-Xylene	<1.73	<1.73	<1.73	<1.73	<0.585	< 56	< 140	< 6.9	22	2.3	10	4.3
o-Xylene	<0.867	<0.867	<0.867	<0.867	<0.359	--	< 69	< 3.5	6.9	0.87	4.1	1.5
TPHg	<826	<826	<826	<826	<164	--	66,000	7,400	2,600	1,700	1,200	2,300

See notes at end of table.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location Depth (ft bgs)	SV-12	SV-12	SV-12 DUP	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12
	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20
Date	9/17/2015	12/14/2015	12/14/2015	3/7/2016	6/9/2016	9/16/2016	12/12/2016	3/30/2017	6/26/2017	9/29/2017	11/20/2017	2/8/2018
Acetone	9.90	< 2.97	3.29	11.00	< 2.97	17.8	< 2.97	--	6.52	51.8	< 2.97	58.8
Allyl Chloride	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	--	< 0.626	< 0.626	< 0.626	< 0.626
Benzene	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	1.41	0.675	0.399	< 0.639	< 0.639	< 0.639	< 0.639
Benzyl Chloride	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	--	< 1.04	< 1.04	< 1.04	< 1.04
Bromodichloromethane	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	--	< 1.34	< 1.34	< 1.34	< 1.34
Bromoform	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	--	< 6.21	< 6.21	< 6.21	< 6.21
Bromomethane	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	--	< 0.776	< 0.776	< 0.776	< 0.776
1,3-Butadiene	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	--	< 4.43	< 4.43	< 4.43	< 4.43
Carbon Disulfide	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622	--	< 0.622	2.86	< 0.622	< 0.622
Carbon Tetrachloride	< 1.26	< 1.26	< 1.26	1.52	< 1.26	< 1.26	< 1.26	0.587	< 1.26	< 1.26	< 1.26	< 1.26
Chlorobenzene	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	--	< 0.924	< 0.924	< 0.924	< 0.924
Chloroethane	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.106	< 0.528	< 0.528	< 0.528	< 0.528
Chloroform	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	0.269	< 0.973	< 0.973	< 0.973	< 0.973
Chloromethane	< 0.413	< 0.413	< 0.413	0.55	< 0.413	0.757	1.080	0.213	1.04	1.56	< 0.413	< 0.413
2-Chlorotoluene	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	--	< 1.03	< 1.03	< 1.03	< 1.03
Cyclohexane	< 0.689	< 0.689	< 0.689	24.5	< 0.689	< 0.689	< 0.689	--	< 0.689	18.9	2.58	< 0.689
Dibromochloromethane	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	--	< 1.70	< 1.70	< 1.70	< 1.70
1,2-Dibromoethane	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 0.154	< 1.54	< 1.54	< 1.54	< 1.54
1,2-Dichlorobenzene	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	--	< 1.20	< 1.20	< 1.20	< 1.20
1,3-Dichlorobenzene	< 1.20	< 1.20	2.9	< 1.20	< 1.20	2.78	< 1.20	--	< 1.20	< 1.20	< 1.20	< 1.20
1,4-Dichlorobenzene	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	0.222	< 1.20	< 1.20	< 1.20	< 1.20
1,2-Dichloroethane	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	--	< 0.810	< 0.810	< 0.810	< 0.810
1,1-Dichloroethane	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.0802	< 0.802	< 0.802	< 0.802	< 0.802
1,1-Dichloroethene	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.0793	< 0.793	< 0.793	< 0.793	< 0.793
cis-1,2-Dichloroethene	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.0793	< 0.793	< 0.793	< 0.793	< 0.793
trans-1,2-Dichloroethene	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.0793	< 0.793	< 0.793	< 0.793	< 0.793
1,2-Dichloropropane	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.139	< 0.924	< 0.924	< 0.924	< 0.924
cis-1,3-Dichloropropene	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.0908	< 0.908	< 0.908	< 0.908	< 0.908
trans-1,3-Dichloropropene	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.136	< 0.908	< 0.908	< 0.908	< 0.908
1,4-Dioxane	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	0.778	< 0.721	--	< 0.721	< 0.721	< 0.721	< 0.721
Ethanol	38.7	2.50	9.48	15.10	3.11	91.0	< 1.19	--	2.74	13.2	< 1.19	2.49
Ethylbenzene	< 0.867	< 0.867	< 0.867	1.3	< 0.867	3.92	< 0.867	0.388	< 0.867	3.14	< 0.867	2.61
4-Ethyltoluene	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	1.63	< 0.982	--	< 0.982	< 0.982	< 0.982	< 0.982
Trichlorofluoromethane	1.29	1.53	1.56	2.81	1.27	1.75	1.36	--	1.57	1.40	1.26	1.29
Dichlorodifluoromethane	2.51	1.67	1.78	3.00	1.89	1.88	2.44	--	1.77	1.69	1.47	1.49
1,1,2-Trichlorotrifluoroethane	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	--	< 1.53	< 1.53	< 1.53	< 1.53
1,2-Dichlorotetrafluoroethane	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	--	< 1.40	< 1.40	< 1.40	< 1.40
Heptane	< 0.818	< 0.818	< 0.818	2.21	< 0.818	4.05	< 0.818	--	< 0.818	2.88	< 0.818	< 0.818
Hexachloro-1,3-butadiene	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	--	< 6.73	< 6.73	< 6.73	< 6.73
n-Hexane	< 0.705	< 0.705	< 0.705	11.4	1.37	9.54	< 0.705	--	< 0.705	5.39	< 0.705	1.89
Isopropylbenzene	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	--	< 0.983	< 0.983	< 0.983	< 0.983
Methylene Chloride	< 0.694	< 0.694	< 0.694	10.7	< 0.694	1.97 B	< 0.694	--	< 0.694	1.66	< 0.694	< 0.694
Methyl Butyl Ketone	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	--	< 5.11	< 5.11	< 5.11	< 5.11
2-Butanone (MEK)	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69	9.9	< 3.69	--	8.98	170	< 3.69	< 3.69
4-Methyl-2-pentanone (MIBK)	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	--	< 5.12	< 5.12	< 5.12	< 5.12
Methyl methacrylate	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	1.82	< 0.819	--	< 0.819	< 0.819	< 0.819	< 0.819
MTBE	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	--	< 0.721	< 0.721	< 0.721	< 0.721
Naphthalene	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	--	< 3.30	< 3.30	< 3.30	< 3.30
2-Propanol	< 3.07	3.97	18.0	< 3.07	7.6	1470	< 3.07	--	3.24	10.6	< 3.07	58.0
Propene	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	1.29	--	0.852	1.16 J	< 0.689	< 0.689
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	< 0.851	< 0.851	< 0.851	1.59	< 0.851	3.00	< 0.851	--	< 0.851	1.34	< 0.851	< 0.851
1,1,2,2-Tetrachloroethane	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 0.137	< 1.37	< 1.37	< 1.37	< 1.37
Tetrachloroethylene	819	2,230	1,220 M	9,650	1,280 M	159	44.7	681	153	44.8	169	72.1
Tetrahydrofuran	< 0.590	< 0.590	1.06	< 0.590	< 0.590	33.9	2.12	--	705	817	1.82	4.99
Toluene	1.3	< 0.753	2.02	3.3	< 0.753	21.0	1.09	--	< 0.753	11.1	< 0.753	1.94
1,2,4-Trichlorobenzene	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	--	< 4.66	< 4.66	< 4.66	< 4.66
1,1,1-Trichloroethane	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 0.109	< 1.09	< 1.09	< 1.09	< 1.09
1,1,2-Trichloroethane	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 0.163	< 1.09	< 1.09	< 1.09	< 1.09
Trichloroethylene	< 1.07	1.2	< 1.07	2.8	< 1.07	< 1.07	< 1.07	0.22	< 1.07	< 1.07	< 1.07	< 1.07
1,2,4-Trimethylbenzene	2.75	< 0.982	1.18	3.08	< 0.982	5.7	< 0.982	--	< 0.982	< 0.982	< 0.982	< 0.982
1,3,5-Trimethylbenzene	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	1.94	< 0.982	--	< 0.982	< 0.982	< 0.982	< 0.982
2,2,4-Trimethylpentane	< 0.934	< 0.934	< 0.934	9.51	< 0.934	1.24	< 0.934	--	< 0.934	4.17	< 0.934	< 0.934
Vinyl Chloride	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.0511	< 0.511	< 0.511	< 0.511	< 0.511
Vinyl Bromide	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	--	< 0.875	< 0.875	< 0.875	< 0.875
Vinyl Acetate	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.0704	< 0.704	< 0.704	< 0.704	< 0.704
m&p-Xylene	2.97	< 1.73	2.77	5.82	< 1.73	14.7	< 1.73	--	< 1.73	9.34	< 1.73	10.1
o-Xylene	1.36	< 0.867	1.03	2.18	< 0.867	5.41	< 0.867	--	< 0.867	2.66	< 0.867	3.06
TPH _g	721	963	688 M	3,010	1,560	1,100	< 207	--	818	565	239	1,050

See notes at end of table.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12
Depth (ft bgs)	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20
Date	5/21/2018	8/3/2018	11/19/2018	3/18/2019	5/13/2019	8/19/2019	11/4/2019	2/24/2020	11/4/2020	1/25/2021	8/31/2021	1/26/2022
Acetone	<2.97	<2.97	3.81 J+	<2.97	89.2	3.96	<2.97	4.42	27.6	<2.97	<2.97	<2.97
Allyl Chloride	<0.626	<0.626	<0.626	<0.626	<2.3	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626
Benzene	<0.639	<0.639	<0.639	<0.639	<0.47	<0.639	<0.639	0.840	<0.639	<0.639	<0.639	<0.639
Benzyl Chloride	<1.04	<1.04	<1.04	<1.04	<3.8	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04
Bromodichloromethane	<1.34	<1.34	<1.34	<1.34	<2	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34
Bromoform	<6.21	<6.21	<6.21	<6.21	<7.6	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21
Bromomethane	<0.776	<0.776	<0.776	<0.776	<1.1	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776
1,3-Butadiene	<4.43	<4.43	<4.43	<4.43	<0.65	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43
Carbon Disulfide	<0.622	<0.622	1.00	0.952	<0.91	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622
Carbon Tetrachloride	<1.26	<1.26	<1.26	<1.26	<1.8	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26
Chlorobenzene	<0.924	<0.924	<0.924	<0.924	<1.3	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
Chloroethane	<0.528	<0.528	<0.528	<0.528	<0.77	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528
Chloroform	<0.973	<0.973	<0.973	<0.973	<0.71	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973
Chloromethane	<0.413	0.439	<0.413	0.807	<0.6	1.03	<0.413	<0.413	0.442	0.459	0.434	<0.413
2-Chlorotoluene	<1.03	<1.03	<1.03	<1.03	--	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Cyclohexane	<0.689	<0.689	<0.689	<0.689	<2.5	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689
Dibromochloromethane	<1.70	<1.70	<1.70	<1.70	<2.5	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70
1,2-Dibromoethane	<1.54	<1.54	<1.54	<1.54	<1.1	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.8	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,3-Dichlorobenzene	<1.20	<1.20	5.35	<1.20	<1.8	<1.20	<1.20	2.22	<1.20	<1.20	<1.20	<1.20
1,4-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<4.4	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dichloroethane	<0.810	<0.810	<0.810	<0.810	<0.59	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810
1,1-Dichloroethane	<0.802	<0.802	<0.802	<0.802	<1.2	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802
1,1-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
trans-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
1,2-Dichloropropane	<0.924	<0.924	<0.924	<0.924	<1.4	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<1.3	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<1.3	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
1,4-Dioxane	<0.721	<0.721	<0.721	<0.721	<5.3	<0.721	<0.721	<0.721	1.58	<0.721	<0.721	<0.721
Ethanol	1.75	<1.19	6.35	4.90	3.6	7.33	4.64	6.92	187	2	<2.36	<2.36
Ethylbenzene	<0.867	<0.867	<0.867	<0.867	<1.3	<0.867	<0.867	2.78	<0.867	<0.867	<0.867	<0.867
4-Ethyltoluene	<0.982	<0.982	1.38	<0.982	<3.6	<0.982	<0.982	5.25	<0.982	<0.982	<0.982	<0.982
Trichlorofluoromethane	1.14	1.33	1.85	2.51	<1.6	<1.12	1.30	1.46	1.59	1.28	1.45	1.66
Dichlorodifluoromethane	1.44	1.78	2.06	1.66	2.3	2.10	2.23	<0.989	2.71	2.37	2.91	2.54
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<1.53	<1.53	<2.2	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	<1.40	<1.40	<1.40	<1.40	<2	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Heptane	<0.818	<0.818	<0.818	<0.818	<1.2	<0.818	<0.818	1.90	<0.818	<0.818	<0.818	<0.818
Hexachloro-1,3-butadiene	<6.73	<6.73	<6.73	<6.73	<7.8	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73
n-Hexane	<0.705	<0.705	2.58	<0.705	<1	<0.705	1.65	1.08	<2.22	<2.22	<2.22	<2.22
Isopropylbenzene	<0.983	<0.983	<0.983	<0.983	<3.6	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983
Methylene Chloride	0.858	<0.694	5.67	<0.694	<5.1	<0.694	1.47	<0.694	<0.694	<0.694	<0.694	<0.694
Methyl Butyl Ketone	<5.11	<5.11	<5.11	<5.11	<6	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11
2-Butanone (MEK)	<3.69	<3.69	<3.69	<3.69	<4.3	9.58	3.69	8.61	5.84	<3.69	<3.69	<3.69
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<5.12	<5.12	<6	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12
Methyl methacrylate	<0.819	<0.819	<0.819	<0.819	<1.2	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819
MTBE	<0.721	<0.721	<0.721	<0.721	<5.3	<0.721	<0.721	<0.721	<0.721	<0.721	1.14	<0.721
Naphthalene	<3.30	<3.30	<3.30	<3.30	<3.8	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30
2-Propanol	<3.07	<3.07	<3.07	<3.07	33.7	5.20	<3.07	<3.07	15.5	<3.07	<3.07	<3.07
Propene	<0.689	<0.689	<0.689	<0.689	<0.5	<0.689	<0.689	<0.689	<0.689	<0.689	<2.15	<2.15
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--	<0.982
Styrene	<0.851	<0.851	<0.851	<0.851	<1.2	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<1.37	<1.37	<1	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37
Tetrachloroethylene	8.32	171	507	749	32.7	183	72.6	<1.36	37.7	167.0	34.8	21.9
Tetrahydrofuran	9.04	1.22	2.57	<0.590	1.3	677	16.3	19.3	<0.590	<0.590	0.852	<0.590
Toluene	1.02	<0.753	1.57	<0.753	<1.1	0.863	<0.753	15.4	<1.88	<1.88	<1.88	<1.88
1,2,4-Trichlorobenzene	<4.66	<4.66	<4.66	<4.66	<10.9	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66
1,1,1-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<1.6	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
1,1,2-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<0.8	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
Trichloroethylene	<1.07	<1.07	<1.07	<1.07	<0.79	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07
1,2,4-Trimethylbenzene	<0.982	<0.982	1.89	<0.982	<1.4	<0.982	<0.982	6.09	<0.982	<0.982	<0.982	<0.982
1,3,5-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<1.4	<0.982	<0.982	1.91	<0.982	<0.982	<0.982	<0.982
2,2,4-Trimethylpentane	0.965	<0.934	<0.934	<0.934	<3.4	<0.934	<0.934	1.37	<0.934	<0.934	<0.934	<0.934
Vinyl Chloride	<0.511	<0.511	<0.511	<0.511	<0.37	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511
Vinyl Bromide	<0.875	<0.875	<0.875	<0.875	<1.3	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875
Vinyl Acetate	<0.704	<0.704	<0.704	<0.704	<1	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704
m&p-Xylene	<1.73	<1.73	2.71	<1.73	<2.5	<1.73	<1.73	11.6	<1.73	<1.73	<1.73	<1.73
o-Xylene	<0.867	<0.867	1.13	<0.867	<1.3	<0.867	<0.867	4.77	<0.867	<0.867	<0.867	<0.867
TPHg	<207	873	763	898	411	435 J+	<207	<826	<826	<826	<826	<826

See notes at end of table.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location Depth (ft bgs)	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12	SV-12	VP-A	VP-A	VP-A
	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	5	5	5
Date	7/18/2022	8/18/2022	1/18/2023	4/3/2023	8/22/2023	12/20/2023	7/23/2024	1/24/2025	7/16/2025	5/12/2014	7/16/2014	9/15/2014
Acetone	8.39	<2.97	<2.97	3.59	<1.39	<2.97	<2.97	<2.97	<2.97	31	< 12	11
Allyl Chloride	<0.626	<0.626	<0.626	<0.626	<0.357	<0.626	<0.626	<0.626	<0.626	<2.5	<2.5	<0.63
Benzene	<0.639	<0.639	0.754	<0.639	<0.228	<0.639	<0.639	<0.639	<0.639	<2.6	<2.6	<0.64
Benzyl Chloride	<1.04	<1.04	<1.04	<1.04	<0.311	<1.04	<1.04	<1.04	<1.04	<4.2	<4.2	<1.0
Bromodichloromethane	<1.34	<1.34	<1.34	<1.34	<0.471	<1.34	<1.34	<1.34	<1.34	<5.4	<5.4	<1.3
Bromoform	<6.21	<6.21	<6.21	<6.21	<0.757	<6.21	<6.21	<6.52	<6.52	<25	<25	<6.2
Bromomethane	<0.776	<0.776	<0.776	<0.776	<0.381	<0.776	<0.776	<0.776	<0.776	<3.1	<3.1	<0.78
1,3-Butadiene	<4.43	<4.43	<4.43	<4.43	<0.230	<4.43	<4.43	<4.43	<4.43	<18	<18	<4.4
Carbon Disulfide	<0.622	<0.622	<0.622	<0.622	<0.317	<0.622	<1.24	<1.24	<1.24	<2.5	<2.5	0.65
Carbon Tetrachloride	<1.26	<1.26	<1.26	<1.26	<0.461	<1.26	<1.26	<1.26	<1.26	<5.0	<5.0	<1.3
Chlorobenzene	<0.924	<0.924	<0.924	<0.924	<0.385	<0.924	<0.924	<0.924	<0.924	<3.7	<3.7	<0.92
Chloroethane	<0.528	<0.528	<0.528	<0.528	<0.263	<0.528	<0.528	<0.528	<0.528	<2.1	<2.1	<0.53
Chloroform	<0.973	<0.973	<0.973	<0.973	<0.349	<0.973	<0.973	<0.973	<0.973	<3.9	<3.9	<0.97
Chloromethane	<0.413	0.516	<0.413	<0.413	<0.213	<0.413	<0.413	<0.413	0.469	<1.7	<1.7	<0.41
2-Chlorotoluene	<1.03	<1.03	<1.03	<1.03	<0.427	<1.03	<1.03	<1.03	<1.03	<4.1	<4.1	<1.0
Cyclohexane	<0.689	<0.689	<0.689	<0.689	<0.259	<0.689	<0.689	<0.689	<0.689	<2.8	<2.8	<0.69
Dibromochloromethane	<1.70	<1.70	<1.70	<1.70	<0.618	<1.70	2.42	<1.70	<1.70	<6.8	<6.8	2.14
1,2-Dibromoethane	<1.54	<1.54	<1.54	<1.54	<0.554	<1.54	<1.54	<1.54	<1.54	<6.2	<6.2	<1.5
1,2-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<0.770	<1.20	<1.20	<1.20	<1.20	<4.8	<4.8	<1.2
1,3-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.09	<1.20	<1.20	<1.20	<1.20	<4.8	<4.8	<1.2
1,4-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<0.335	<1.20	<1.20	<1.20	<1.20	<4.8	<4.8	<1.2
1,2-Dichloroethane	<0.810	<0.810	<0.810	<0.810	<0.283	<0.810	<0.810	<0.810	<0.810	<3.2	<3.2	<0.81
1,1-Dichloroethane	<0.802	<0.802	<0.802	<0.802	<0.290	<0.802	<0.802	<0.802	<0.802	<3.2	<3.2	<0.80
1,1-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.302	<0.793	<0.793	<0.793	<0.793	<3.2	<3.2	<0.79
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.311	<0.793	<0.793	<0.793	<0.793	<3.2	<3.2	<0.79
trans-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.267	<0.793	<0.793	<0.793	<0.793	4.0	<3.2	<0.79
1,2-Dichloropropane	<0.924	<0.924	<0.924	<0.924	<0.351	<0.924	<0.924	<0.924	<0.924	<3.7	<3.7	<0.92
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.313	<0.908	<0.908	<0.908	<0.908	<3.6	<3.6	<0.91
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.331	<0.908	<0.908	<0.908	<0.908	<3.6	<3.6	<0.91
1,4-Dioxane	<0.721	<0.721	<0.721	<0.721	<0.300	<2.27	<2.27	<2.27	<2.27	<2.9	<2.9	<0.72
Ethanol	13.6	<2.36	2.75	5.19 J+	6.13 J+	<4.71	<4.71	<4.71	<4.71	14	<4.8	11
Ethylbenzene	<0.867	<0.867	<0.867	<0.867	<0.362	<0.867	<0.867	<0.867	<0.867	<3.5	<3.5	1.3
4-Ethyltoluene	<0.982	<0.982	<0.982	<0.982	<0.384	<0.982	<0.982	<0.982	<0.982	<3.9	<3.9	1.1
Trichlorofluoromethane	1.80	1.42	1.49	1.43	1.25	1.15	1.23	1.56	1.72	4.8	<4.5	4.7
Dichlorodifluoromethane	2.75	2.39	2.69	2.32	2.08	1.72	2.14	2.42	2.46	5.4	5.9	5.4
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<1.53	<1.53	<0.608	<1.53	<1.53	<1.53	<1.53	<6.1	<6.1	<1.5
1,2-Dichlorotetrafluoroethane	<1.40	<1.40	<1.40	<1.40	<0.622	<1.40	<1.40	<1.40	<1.40	<5.6	<5.6	<1.4
Heptane	<0.818	<0.818	<0.818	<0.818	<0.425	<0.818	<0.818	<0.818	<0.818	<3.3	<3.3	<0.82
Hexachloro-1,3-butadiene	<6.73	<6.73	<6.73	<6.73	<1.12	<6.73	<6.73	<6.73	<6.73	<27	<27	<6.7
n-Hexane	<2.22	<2.22	<2.22	<2.22	<0.726	<2.22	<2.22	<2.22	<2.22	<2.8	<2.8	<0.71
Isopropylbenzene	<0.983	<0.983	<0.983	<0.983	<0.382	<0.983	<0.983	<0.983	<0.983	<3.9	<3.9	<0.98
Methylene Chloride	0.715	<0.694	<0.694	<0.694	<0.340	0.733	<0.694	<0.694	<0.694	5.6	<2.8	<0.69
Methyl Butyl Ketone	<5.11	<5.11	<5.11	<5.11	<0.544	<5.11	<5.11	<5.11	<5.11	<20	<20	<5.1
2-Butanone (MEK)	<3.69	<3.69	<3.69	<3.69	<0.240	<3.69	<3.69	<3.69	<3.69	<15	<15	<3.7
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<5.12	<5.12	<0.313	<5.12	<5.12	<5.12	<5.12	<20	<20	<5.1
Methyl methacrylate	<0.819	<0.819	<0.819	<0.819	<0.359	<0.819	<0.819	<0.819	<0.819	<3.3	<3.3	<0.82
MTBE	<0.721	<0.721	<0.721	<0.721	1.56	<0.721	0.760	<0.721	<0.721	<2.9	<2.9	<0.72
Naphthalene	<3.30	<3.30	<3.30	<3.30	<1.83	<3.30	<3.30	<3.30	<3.30	<13	<13	6.3
2-Propanol	38.3	<3.07	<3.07	<3.07	<0.649	<3.07	<3.07	<3.07	<3.07	<12	<12	4.4
Propene	<2.15	<2.15	<2.15	<2.15	<0.160	<2.15	<2.15	<2.15	<2.15	<2.8	<2.8	<0.69
n-Propylbenzene	<0.982	<0.982	<0.982	<0.982	<0.379	<0.982	<0.982	<0.982	<0.982	--	--	--
Styrene	<0.851	1.18	<0.851	<0.851	<0.335	<0.851	<1.70	<1.70	<1.70	<3.4	<3.4	<0.85
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<1.37	<1.37	<0.511	<1.37	<1.37	<1.37	<1.37	<5.5	<5.5	<1.4
Tetrachloroethylene	3.02	29.8	208	13.9	33.5	25.3	82.8	138	229	7,500	8,100	8,100
Tetrahydrofuran	<0.590	<0.590	<0.590	<0.590	3.33	<0.590	<0.590	<0.590	<0.590	<2.4	<2.4	<0.59
Toluene	2.74	<1.88	<1.88	<1.88	<0.328	<1.88	<1.88	<1.88	<1.88	3.5	6.8	3.6
1,2,4-Trichlorobenzene	<4.66	<4.66	<4.66	<4.66	<1.10	<4.66	<4.66	<4.66	<4.66	<19	<19	<4.7
1,1,1-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<0.400	<1.09	<1.09	<1.09	<1.09	<4.4	<4.4	1.3
1,1,2-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<0.422	<1.09	<1.09	<1.09	<1.09	<4.4	<4.4	<1.1
Trichloroethylene	<1.07	<1.07	<1.07	<1.07	<0.364	<1.07	<1.07	<1.07	<1.07	<4.3	<4.3	1.9
1,2,4-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<0.375	<0.982	<0.982	<0.982	<0.982	<3.9	12	3.9
1,3,5-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<0.382	<0.982	<0.982	<0.982	<0.982	<3.9	4.1	1.2
2,2,4-Trimethylpentane	<0.934	<0.934	<0.934	<0.934	<0.621	<0.934	<0.934	<0.934	<0.934	<3.7	<3.7	<0.93
Vinyl Chloride	<0.511	<0.511	<0.511	<0.511	<0.243	<0.511	<0.511	<0.511	<0.511	<2.0	<2.0	<0.51
Vinyl Bromide	<0.875	<0.875	<0.875	<0.875	<0.373	<0.875	<0.875	<0.875	<0.875	<3.5	<3.5	<0.87
Vinyl Acetate	<0.704	<0.704	<0.704	<0.704 UJ	<0.408 J	<2.22 J	<2.22	<2.22	<2.22	<2.8	<2.8	<0.70
m&p-Xylene	2.04	<1.73	<1.73	<1.73	<0.585	<1.73	<1.73	<1.73	<1.73	<6.9	<6.9	6
o-Xylene	<0.867	<0.867	<0.867	<0.867	<0.359	<0.867	<0.867	<0.867	<0.867	<3.5	<3.5	2.2
TPHg	<826	<826	<826	<826	<164	<826	<826	<826	<826	4,100	6,600	3,000

See notes at end of table.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	VP-A	VP-A	VP-A	VP-A DUP	VP-A	VP-A DUP	VP-A	VP-A DUP	VP-A	VP-A	VP-A	VP-A
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5	5
Date	3/16/2015	12/14/2015	3/7/2016	3/7/2016	6/9/2016	6/9/2016	9/12/2016	9/12/2016	12/12/2016	3/30/2017	6/26/2017	9/29/2017
Acetone	4.3	45.9	4.72	3.18	45.6 M	< 2.97	< 2.97	3.83	4.85	< 2.97	28.6	< 2.97
Allyl Chloride	< 0.63	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626
Benzene	0.89	1.38	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	0.694	< 0.639
Benzyl Chloride	< 1.0	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04
Bromodichloromethane	< 1.3	< 1.34	< 1.34	< 1.36	< 1.34	< 1.36	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34
Bromoform	< 6.2	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21
Bromomethane	< 0.78	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776
1,3-Butadiene	< 4.4	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43
Carbon Disulfide	< 0.62	< 0.622	< 0.622	< 0.622	1.39 M	< 0.622	< 0.622	< 0.622	0.731	< 0.622	< 0.622	< 0.622
Carbon Tetrachloride	< 1.3	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26
Chlorobenzene	< 0.92	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924
Chloroethane	< 0.53	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528
Chloroform	< 0.97	3.64	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973
Chloromethane	< 0.41	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413
2-Chlorotoluene	< 1.0	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03
Cyclohexane	1.3	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	2.00	1.85
Dibromochloromethane	< 1.7	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70
1,2-Dibromoethane	< 1.5	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54
1,2-Dichlorobenzene	< 1.2	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,3-Dichlorobenzene	< 1.2	< 1.20	4.49	14.1	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,4-Dichlorobenzene	< 1.2	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,2-Dichloroethane	< 0.81	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810
1,1-Dichloroethane	< 0.80	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802
1,1-Dichloroethene	< 0.79	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793
cis-1,2-Dichloroethene	< 0.79	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793
trans-1,2-Dichloroethene	< 0.79	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793
1,2-Dichloropropane	< 0.92	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924
cis-1,3-Dichloropropene	< 0.91	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908
trans-1,3-Dichloropropene	< 0.91	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908
1,4-Dioxane	< 0.72	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721
Ethanol	16 M	7.78	14.5	5.20	9.98 M	2.48 M	4.62	16.5	< 1.19	4.61	52.2	2.48
Ethylbenzene	1.5	1.34	1.98	1.21	< 0.867	< 0.867	< 0.867	1.09	< 0.867	0.867	2.45	< 0.867
4-Ethyltoluene	1.4	< 0.982	4.54	< 0.982	< 0.982	< 0.982	1.38	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982
Trichlorofluoromethane	3.8	1.97	2.39	1.81	2.02 M	1.63 M	1.43	1.27	1.25	1.61	1.90	1.37
Dichlorodifluoromethane	3.6	2.98	2.79	2.40	1.72 M	2.23 M	2.12	1.59	2.32	1.91	2.08	1.41
1,1,2-Trichlorotrifluoroethane	< 1.5	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53
1,2-Dichlorotetrafluoroethane	< 1.4	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40
Heptane	1.4	1.47	0.934	< 0.818	< 0.818	< 0.818	< 0.818	1.08	< 0.818	< 0.818	1.49	< 0.818
Hexachloro-1,3-butadiene	< 6.7	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73
n-Hexane	1.9	1.59	0.927	< 0.705	< 0.705	4.11 M	< 0.705	1.87	< 0.705	< 0.705	3.65	< 0.705
Isopropylbenzene	< 0.98	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983
Methylene Chloride	< 0.69	< 0.694	< 0.694	< 0.694	< 0.694	< 0.694	< 0.694	1.00 B	< 0.694	< 0.694	2.55	< 0.694
Methyl Butyl Ketone	< 5.1	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11
2-Butanone (MEK)	4.7	22.2	4.12	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69	8.19	< 3.69
4-Methyl-2-pentanone (MIBK)	< 5.1	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12
Methyl methacrylate	< 0.82	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	11.9	< 0.819
MTBE	< 0.72	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721
Naphthalene	< 3.3	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30
2-Propanol	< 3.1	8.95	16.3	33.7	< 3.07	24.2 M	34.3	27.3	< 3.07	< 3.07	12.1	< 3.07
Propene	< 0.69	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	< 0.85	< 0.851	2.62	1.61	< 0.851	< 0.851	< 0.851	1.38	< 0.851	< 0.851	3.00	< 0.851
1,1,2,2-Tetrachloroethane	< 1.4	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37
Tetrachloroethylene	2,400	47.2	1140	949	5,730 M	367 M	6,070	5,390	1,630	1,270	2,640	2,570
Tetrahydrofuran	1.7	< 0.590	2.75	< 0.590	< 0.590	< 0.590	1.91	1.68	< 0.590	< 0.590	18.7	< 0.590
Toluene	7.2	6.99	5.44	2.13	< 0.753	0.875 M	1.98	5.48	< 0.753	1.25	18.6	1.78
1,2,4-Trichlorobenzene	< 4.7	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66
1,1,1-Trichloroethane	< 1.1	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09
1,1,2-Trichloroethane	< 1.1	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09
Trichloroethylene	< 1.1	5.59	< 1.07	< 1.07	1.40 M	< 1.07	1.28	1.07	< 1.07	< 1.07	< 1.07	< 1.07
1,2,4-Trimethylbenzene	4.9	2.35	5.67	4.63	< 0.982	< 0.982	1.65	2.25	< 0.982	< 0.982	2.07	< 0.982
1,3,5-Trimethylbenzene	1.5	< 0.982	1.54	1.15	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982
2,2,4-Trimethylpentane	< 0.93	1.05	< 0.934	41.4	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	1.11	< 0.934
Vinyl Chloride	< 0.51	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511
Vinyl Bromide	< 0.87	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875
Vinyl Acetate	< 0.70	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704
m&p-Xylene	13	5.81	9.57	5.86	< 1.73	< 1.73	2.80	3.65	< 1.73	< 1.73	5.94	2.53
o-Xylene	4.8	1.99	3.8	2.41	< 0.867	< 0.867	1.07	1.52	< 0.867	< 0.867	2.46	< 0.867
TPHg	1,000	< 207	834	845	2,390 M	449 M	2,050	1,770	941	1,100	1,630	1,

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	VP-A	VP-A	VP-A	VP-A	VP-A	VP-A	VP-A	VP-A	VP-A	VP-A	VP-A	VP-A
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5	5
Date	11/20/2017	2/8/2018	5/21/2018	8/3/2018	11/19/2018	3/18/2019	5/13/2019	8/19/2019	11/4/2019	2/24/2020	11/4/2020	8/31/2021
Acetone	4.76	58.3	<2.97	<2.97	8.27	3.44	9.6	73.1	<2.97	5.87	9.39	<2.97
Allyl Chloride	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<2.3	<0.626	<0.626	<0.626	<0.626	<0.626
Benzene	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	6.5	<0.639	<0.639	<0.639	<0.639	<0.639
Benzyl Chloride	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<3.8	<1.04	<1.04	<1.04	<1.04	<1.04
Bromodichloromethane	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<2	<1.34	<1.34	<1.34	<1.34	<1.34
Bromoform	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<7.6	<6.21	<6.21	<6.21	<6.21	<6.21
Bromomethane	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<1.1	<0.776	<0.776	<0.776	<0.776	<0.776
1,3-Butadiene	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<0.65	<4.43	<4.43	<4.43	<4.43	<4.43
Carbon Disulfide	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	1.4	<0.622	<0.622	<0.622	1.13	<0.622
Carbon Tetrachloride	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.8	<1.26	<1.26	<1.26	<1.26	<1.26
Chlorobenzene	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<1.3	<0.924	<0.924	<0.924	<0.924	<0.924
Chloroethane	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.77	<0.528	<0.528	<0.528	<0.528	<0.528
Chloroform	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.71	<0.973	<0.973	<0.973	<0.973	<0.973
Chloromethane	<0.413	<0.413	<0.413	<0.413	1.23	<0.413	<0.6	0.871	<0.413	<0.413	<0.413	<0.413
2-Chlorotoluene	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	--	<1.03	<1.03	<1.03	<1.03	<1.03
Cyclohexane	3.30	<0.689	<0.689	<0.689	<0.689	<0.689	<2.5	<0.689	<0.689	1.22	<0.689	<0.689
Dibromochloromethane	<1.7	<1.7	<1.70	<1.70	<1.70	<1.70	<2.5	<1.70	<1.70	<1.70	<1.70	<1.70
1,2-Dibromoethane	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.1	<1.54	<1.54	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	<1.2	<1.2	<1.20	<1.20	<1.20	<1.20	<1.8	<1.20	<1.20	<1.20	<1.20	<1.20
1,3-Dichlorobenzene	<1.2	<1.2	<1.20	<1.20	<1.20	<1.20	<1.8	<1.20	<1.20	1.98	<1.20	<1.20
1,4-Dichlorobenzene	<1.2	<1.2	<1.20	<1.20	<1.20	<1.20	<4.4	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dichloroethane	<0.81	<0.81	<0.810	<0.810	<0.810	<0.810	<0.59	<0.810	<0.810	<0.810	<0.810	<0.810
1,1-Dichloroethane	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<1.2	<0.802	<0.802	<0.802	<0.802	<0.802
1,1-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793
trans-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793
1,2-Dichloropropane	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<1.4	<0.924	<0.924	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<1.3	<0.908	<0.908	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<1.3	<0.908	<0.908	<0.908	<0.908	<0.908
1,4-Dioxane	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<5.3	<0.721	<0.721	<0.721	<0.721	<0.721
Ethanol	4.40	5.16	<1.19	1.79	6.53	1.76	6.4	25.7	1.76	6.22	20.2	2.92 J+
Ethylbenzene	<0.867	2.43	<0.867	<0.867	<0.867	<0.867	8.3	<0.867	<0.867	2.48	<0.867	<0.867
4-Ethyltoluene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<3.6	<0.982	<0.982	5.69	<0.982	<0.982
Trichlorofluoromethane	1.30	1.65	1.48	1.81	1.31	1.40	2.0	1.25	<1.12	1.35	1.35	1.57
Dichlorodifluoromethane	2.06	1.55	1.54	2.03	2.17	1.48	2.3	2.47	1.97	2.63	2.32	2.92
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<2.2	<1.53	<1.53	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	<1.4	<1.4	<1.40	<1.40	<1.40	<1.40	<2	<1.40	<1.40	<1.40	<1.40	<1.40
Heptane	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	3.5	<0.818	<0.818	1.30	<0.818	<0.818
Hexachloro-1,3-butadiene	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<7.8	<6.73	<6.73	<6.73	<6.73	<6.73
n-Hexane	<0.705	1.83	<0.705	<0.705	3.00	<0.705	4.8	0.833	<0.705	0.716	<2.22	<2.22
Isopropylbenzene	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<3.6	<0.983	<0.983	<0.983	<0.983	<0.983
Methylene Chloride	<0.694	<0.694	<0.694	<0.694	5.89	<0.694	5.9	1.08 J+	<0.694	<0.694	<0.694	<0.694
Methyl Butyl Ketone	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<6	<5.11	<5.11	<5.11	<5.11	<5.11
2-Butanone (MEK)	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69	5.9 J+	<3.69	<3.69	9.02	<3.69	<3.69
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<6	<5.12	<5.12	<5.12	<5.12	<5.12
Methyl methacrylate	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<1.2	<0.819	<0.819	<0.819	<0.819	<0.819
MTBE	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<5.3	<0.721	<0.721	<0.721	<0.721	<0.721
Naphthalene	<3.3	<3.3	<3.30	<3.30	<3.30	<3.30	4.1	<3.30	<3.30	<3.30	<3.30	<3.30
2-Propanol	<3.07	47.3	<3.07	<3.07	14.7	<3.07	<3.6	3.39	<3.07	<3.07	3.91	<3.07
Propene	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.5	<0.689	<0.689	<0.689	<0.689	<2.15
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<1.2	5.47	<0.851	<0.851	<0.851	<0.851
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1	<1.37	<1.37	<1.37	<1.37	<1.37
Tetrachloroethylene	1,500	849	1,680	2,150	773	300	702	1,640	475	147	788	1,850
Tetrahydrofuran	<0.59	3.96	<0.590	<0.590	<0.590	<0.590	3.0	<0.590	<0.590	18.7	<0.590	<0.590
Toluene	1.94	1.92	<0.753	<0.753	<0.753	<0.753	6.0	6.88	<0.753	11.1	<1.88	<1.88
1,2,4-Trichlorobenzene	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<10.9	<4.66	<4.66	<4.66	<4.66	<4.66
1,1,1-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.6	<1.09	<1.09	<1.09	<1.09	<1.09
1,1,2-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<0.8	<1.09	<1.09	<1.09	<1.09	<1.09
Trichloroethylene	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<0.79	<1.07	<1.07	<1.07	<1.07	<1.07
1,2,4-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	8.9	<0.982	<0.982	6.87	<0.982	<0.982
1,3,5-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	1.6	<0.982	<0.982	2.13	<0.982	<0.982
2,2,4-Trimethylpentane	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<3.4	<0.934	<0.934	1.14	<0.934	<0.934
Vinyl Chloride	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.37	<0.511	<0.511	<0.511	<0.511	<0.511
Vinyl Bromide	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<1.3	<0.875	<0.875	<0.875	<0.875	<0.875
Vinyl Acetate	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<1	<0.704	<0.704	<0.704	<0.704	<0.704
m&p-Xylene	<1.73	9.44	<1.73	<1.73	<1.73	<1.73	17.4	<1.73	<1.73	10.6	<1.73	<1.73
o-Xylene	<0.867	2.96	<0.867	<0.867	<0.867	<0.867	<1.3	<0.867	<0.867	4.47	<0.867	<0.867
TPHg	897	1,480	1,040	1,500	698	337 J+	1,570	755 J+	399	<826	<1650	2,850 J+

See notes at end of table.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	VP-A	VP-A	VP-A	VP-A	VP-A	VP-A	VP-A	VP-B	VP-B	VP-B	VP-B	VP-B
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5	5
Date	1/26/2022	7/18/2022	8/18/2022	1/18/2023	4/3/2023	8/22/2023	12/20/2023	5/12/2014	7/13/2014	9/15/2014	11/11/2014	3/16/2015
Acetone	<2.97	3.85	<2.97	3.66	<2.97	<1.39	4.25	11	<59	<59	<48	4.3
Allyl Chloride	<0.626	<0.626	<0.626	<0.626	<0.626	<0.357	<0.626	<0.63	<13	<13	<10	<0.63
Benzene	<0.639	<0.639	<0.639	<0.639	<0.639	<0.228	<0.639	0.77	<13	<13	<10	0.89
Benzyl Chloride	<1.04	<1.04	<1.04	<1.04	<1.04	<0.311	<1.04	<1.0	<21	<21	<17	<1.0
Bromodichloromethane	<1.34	<1.34	<1.34	<1.34	<1.34	<0.471	<1.34	<1.3	<27	<27	<21	<1.3
Bromoform	<6.21	<6.21	<6.21	<6.21	<6.21	<0.757	<6.21	<6.2	<120	<120	<99	<6.2
Bromomethane	<0.776	<0.776	<0.776	<0.776	<0.776	<0.381	<0.776	<0.78	<16	<16	<12	<0.78
1,3-Butadiene	<4.43	<4.43	<4.43	<4.43	<4.43	<0.230	<4.43	<4.4	<89	<89	<71	<4.4
Carbon Disulfide	<0.622	<0.622	<0.622	<0.622	<0.622	<0.317	<0.622	<0.62	<12	<12	<10	<0.62
Carbon Tetrachloride	<1.26	<1.26	<1.26	<1.26	<1.26	<0.461	<1.26	<1.3	<25	<25	<20	<1.3
Chlorobenzene	<0.924	<0.924	<0.924	<0.924	<0.924	<0.385	<0.924	<0.92	<18	<18	<15	<0.92
Chloroethane	<0.528	<0.528	<0.528	<0.528	<0.528	<0.263	<0.528	<0.53	<11	<11	<8.4	<0.53
Chloroform	<0.973	<0.973	<0.973	<0.973	<0.973	<0.349	<0.973	<0.97	<19	<19	<16	<0.97
Chloromethane	<0.413	<0.413	<0.413	<0.413	<0.413	<0.213	<0.413	1.4	<8.3	<8.3	<6.6	<0.41
2-Chlorotoluene	<1.03	<1.03	<1.03	<1.03	<1.03	<0.427	<1.03	<1.0	<21	<21	<16	<1.0
Cyclohexane	<0.689	<0.689	<0.689	<0.689	<0.689	<0.259	<0.689	<0.69	<14	<14	<11	1.2
Dibromochloromethane	<1.70	<1.70	<1.70	<1.70	<1.70	<0.618	<1.70	<1.7	<34	<34	<27	<1.7
1,2-Dibromoethane	<1.54	<1.54	<1.54	<1.54	<1.54	<0.554	<1.54	<1.5	<31	<31	<25	<1.5
1,2-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.20	<0.770	<1.20	<1.2	<24	<24	<19	<1.2
1,3-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.20	<1.09	<1.20	<1.2	<24	<24	<19	2.0 M
1,4-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.20	<0.335	<1.20	<1.2	<24	<24	<19	<1.2
1,2-Dichloroethane	<0.810	<0.810	<0.810	<0.810	<0.810	<0.283	<0.810	<0.81	<16	<16	<13	<0.81
1,1-Dichloroethane	<0.802	<0.802	<0.802	<0.802	<0.802	<0.290	<0.802	<0.80	<16	<16	<13	<0.80
1,1-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.302	<0.793	<0.79	<16	<16	<13	<0.79
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	1.08	<0.793	<0.311	<0.793	<0.79	<16	<16	<13	<0.79
trans-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.267	<0.793	1.3	<16	<16	<13	<0.79
1,2-Dichloropropane	<0.924	<0.924	<0.924	<0.924	<0.924	<0.351	<0.924	<0.92	<18	<18	<15	<0.92
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.313	<0.908	<0.91	<18	<18	<15	<0.91
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.331	<0.908	<0.91	<18	<18	<15	<0.91
1,4-Dioxane	<0.721	<0.721	<0.721	<0.721	<0.721	<0.300	<2.27	<0.72	<14	<14	<12	<0.72
Ethanol	<2.36	2.49	<2.36	<2.36	<4.71	<0.500	9.48 J+	12	<24	<24	<19	47 M
Ethylbenzene	<0.867	<0.867	<0.867	<0.867	<0.867	<0.362	<0.867	<0.87	<17	<17	<14	1.3
4-Ethyltoluene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.384	<0.982	<0.98	<20	<20	<16	1.4
Trichlorofluoromethane	1.26	2.13	1.61	1.32	1.62	1.20	1.47	1.5	<22	<22	<18	2.6
Dichlorodifluoromethane	2.65	2.43	2.37	3.01	3.36	1.96	2.65	2.4	<20	<20	<16	2.6
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<1.53	<1.53	<1.53	<0.608	<1.53	<1.5	<31	<31	<25	<1.5
1,2-Dichlorotetrafluoroethane	<1.40	<1.40	<1.40	<1.40	4.58	<0.622	<1.40	<1.4	<28	<28	<22	<1.4
Heptane	<0.818	<0.818	<0.818	<0.818	<0.818	<0.425	<0.818	<0.82	<16	<16	<13	1.3
Hexachloro-1,3-butadiene	<6.73	<6.73	<6.73	<6.73	<6.73	<1.12	<6.73	<6.7	<130	<130	<110	<6.7
n-Hexane	<2.22	<2.22	<2.22	<2.22	<2.22	<0.726	<2.22	1.1	<14	<14	<11	1.9
Isopropylbenzene	<0.983	<0.983	<0.983	<0.983	<0.983	<0.382	<0.983	<0.98	<20	<20	<16	<0.98
Methylene Chloride	<0.694	<0.694	<0.694	<0.694	<0.694	<0.340	0.882	8.7	<14	<14	<11	<0.69
Methyl Butyl Ketone	<5.11	<5.11	<5.11	<5.11	<5.11	<0.544	<5.11	<5.1	<100	<100	<82	<5.1
2-Butanone (MEK)	<3.69	<3.69	<3.69	<3.69	<3.69	<0.240	<3.69	<3.7	<74	<74	<60	<3.7
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<5.12	<5.12	<5.12	<0.313	<5.12	<5.1	<100	<100	<82	<5.1
Methyl methacrylate	<0.819	<0.819	<0.819	<0.819	<0.819	<0.359	<0.819	<0.82	<16	<16	<13	<0.82
MTBE	<0.721	<0.721	<0.721	<0.721	<0.721	<0.233	<0.721	<0.72	<14	<14	<12	<0.72
Naphthalene	<3.30	<3.30	<3.30	<3.30	<3.30	<1.83	<3.30	8.9	<66	<66	<53	<3.3
2-Propanol	7.55	<3.07	<3.07	<3.07	6.64	<0.649	<3.07	<3.1	<61	<61	<49	34 M
Propene	<2.15	<2.15	<2.15	<2.15	<2.15	<0.160	<2.15	1.1	<14	<14	<11	1.9
n-Propylbenzene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.379	<0.982	--	--	--	--	--
Styrene	<0.851	<0.851	3.84	<0.851	<0.851	<0.335	<0.851	<0.85	<17	<17	<14	<0.85
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<1.37	<1.37	<1.37	<0.511	<1.37	<1.4	<27	<27	<22	<1.4
Tetrachloroethylene	461	1,700	1,120	354	310	1,390	146	100	20,000	110,000	46,000	10,000
Tetrahydrofuran	<0.590	<0.590	<0.590	<0.590	<0.590	<0.216	<0.590	<0.59	<12	<12	<9.4	1.4
Toluene	<1.88	<1.88	<1.88	<1.88	<1.88	<0.328	5.91	2.9	<15	<15	<12	6.4
1,2,4-Trichlorobenzene	<4.66	<4.66	<4.66	<4.66	<4.66	<1.10	<4.66	<4.7	<93	<93	<75	<4.7
1,1,1-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<1.09	<0.400	<1.09	<1.1	<22	<22	<17	1.4
1,1,2-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<1.09	<0.422	<1.09	<1.1	<22	<22	<17	<1.1
Trichloroethylene	<1.07	<1.07	<1.07	27.4	<1.07	<0.364	<1.07	<1.1	<21	<21	<17	1.2
1,2,4-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.375	<0.982	3.4	<20	<20	<16	4.4
1,3,5-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.382	<0.982	<0.98	<20	<20	<16	1.4
2,2,4-Trimethylpentane	<0.934	<0.934	<0.934	<0.934	<0.934	<0.621	<0.934	<0.93	<19	<19	<15	<0.93
Vinyl Chloride	<0.511	<0.511	<0.511	<0.511	<0.511	<0.243	<0.511	<0.51	<10	<10	<8.2	<0.51
Vinyl Bromide	<0.875	<0.875	<0.875	<0.875	<0.875	<0.373	<0.875	<0.87	<17	<17	<14	<0.87
Vinyl Acetate	<0.704	<0.704	<0.704	<0.704	<0.704 UJ	<0.408	<2.22	<0.70	<14	<14	<11	<0.70
m&p-Xylene	<1.73	<1.73	<1.73	<1.73	<1.73	<0.585	<1.73	3.4	<35	<35	<28	10
o-Xylene	<0.867	<0.867	<0.867	<0.867	<0.867	<0.359	<0.867	1.0	<17	<17	<14	3.9
TPHg	<826	1,750	1,810	<826	<826	876 J+	<826	<210	26,000	37,000	17,000	1,400

See notes at end of table.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	VP-B	VP-B	VP-B	VP-B	VP-B	VP-B	VP-B	VP-B	VP-B	VP-B	VP-B	VP-B
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5	5
Date	12/14/2015	3/7/2016	6/9/2016	9/12/2016	12/12/2016	3/30/2017	6/26/2017	9/29/2017	11/20/2017	2/8/2018	5/21/2018	8/3/2018
Acetone	26.5	6.16	5.77	< 2.97	< 2.97	< 2.97	3.56	< 2.97	< 2.97	53.1	3.84	< 2.97
Allyl Chloride	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626
Benzene	0.744	< 0.639	0.783	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639
Benzyl Chloride	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04
Bromodichloromethane	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34
Bromoform	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21
Bromomethane	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776
1,3-Butadiene	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43
Carbon Disulfide	< 0.622	< 0.622	0.741	< 0.622	2.25	0.969	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622	1.24
Carbon Tetrachloride	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26
Chlorobenzene	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924
Chloroethane	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528
Chloroform	1.24	1.20	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973	< 0.973
Chloromethane	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413
2-Chlorotoluene	< 1.03	< 1.03	39.9	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03
Cyclohexane	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	2.61	< 0.689	< 0.689	< 0.689
Dibromochloromethane	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70
1,2-Dibromoethane	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54
1,2-Dichlorobenzene	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,3-Dichlorobenzene	2.38	6.24	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,4-Dichlorobenzene	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,2-Dichloroethane	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810
1,1-Dichloroethane	< 0.802	2.69	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802
1,1-Dichloroethene	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793
cis-1,2-Dichloroethene	< 0.793	< 0.793	< 0.793	1.07	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793
trans-1,2-Dichloroethene	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793
1,2-Dichloropropane	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924
cis-1,3-Dichloropropene	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908
trans-1,3-Dichloropropene	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908
1,4-Dioxane	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721
Ethanol	26.4	8.43	23.6	4.25	< 1.19	3.84	2.10	1.45	2.68	2.63	< 1.19	< 1.19
Ethylbenzene	0.885	1.17	< 0.867	< 0.867	< 0.867	< 0.867	< 0.867	< 0.867	1.05	3.54	< 0.867	< 0.867
4-Ethyltoluene	< 0.982	2.68	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982
Trichlorofluoromethane	1.37	4.91	2.1	1.26	1.18	1.42	1.60	1.33	1.13	1.48	1.35	1.44
Dichlorodifluoromethane	1.64	2.17	1.6	1.57	2.10	1.41	1.57	1.47	1.27	1.32	1.35	1.80
1,1,2-Trichlorotrifluoroethane	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53
1,2-Dichlorotetrafluoroethane	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40
Heptane	< 0.818	< 0.818	< 0.818	< 0.818	< 0.818	< 0.818	< 0.818	< 0.818	< 0.818	< 0.818	< 0.818	< 0.818
Hexachloro-1,3-butadiene	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73
n-Hexane	1.56	< 0.705	2.03	< 0.705	< 0.705	< 0.705	< 0.705	< 0.705	< 0.705	1.96	< 0.705	< 0.705
Isopropylbenzene	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983
Methylene Chloride	< 0.694	< 0.694	1.16	< 0.694	< 0.694	< 0.694	< 0.694	< 0.694	< 0.694	< 0.694	< 0.694	< 0.694
Methyl Butyl Ketone	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11
2-Butanone (MEK)	22.3	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69
4-Methyl-2-pentanone (MIBK)	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12
Methyl methacrylate	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819
MTBE	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721
Naphthalene	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30
2-Propanol	39.3	14.2	< 3.07	29.1	< 3.07	< 3.07	< 3.07	< 3.07	< 3.07	42.7	< 3.07	< 3.07
Propene	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	< 0.851	1.70	< 0.851	< 0.851	< 0.851	< 0.851	< 0.851	< 0.851	< 0.851	< 0.851	< 0.851	< 0.851
1,1,2,2-Tetrachloroethane	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37
Tetrachloroethylene	186	4,150	7,730 M	5,660	1,580	1,450	2,810	3,520	884	620	1,490	4,470
Tetrahydrofuran	2.77	1.27	2.49	1.41	< 0.590	< 0.590	< 0.590	< 0.590	10.1	3.18	< 0.590	< 0.590
Toluene	3.69	3.85	3.34	1.57	< 0.753	3.13	< 0.753	< 0.753	2.67	1.60	< 0.753	< 0.753
1,2,4-Trichlorobenzene	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66
1,1,1-Trichloroethane	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09
1,1,2-Trichloroethane	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09
Trichloroethylene	5.94	2.09	< 1.07	< 1.07	< 1.07	< 1.07	< 1.07	< 1.07	< 1.07	< 1.07	< 1.07	5.23
1,2,4-Trimethylbenzene	1.55	3.44	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	2.80	< 0.982	< 0.982	< 0.982
1,3,5-Trimethylbenzene	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982
2,2,4-Trimethylpentane	1.35	< 0.934	1.69	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934
Vinyl Chloride	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511
Vinyl Bromide	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875
Vinyl Acetate	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704
m&p-Xylene	3.67	5.89	< 1.73	< 1.73	< 1.73	< 1.73	< 1.73	< 1.73	4.54	14.2	< 1.73	< 1.73
o-Xylene	1.38	2.22	< 0.867	< 0.867	< 0.867	< 0.867	< 0					

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	VP-B	VP-B	VP-B	VP-B	VP-B	VP-B	VP-B	VP-B	VP-B	VP-B	VP-B
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5
Date	11/19/2018	3/18/2019	5/13/2019	8/19/2019	11/4/2019	2/24/2020	11/4/2020	8/31/2021	1/26/2022	7/18/2022	8/18/2022
Acetone	5.56	4.92	42.5	7.88	<2.97	<2.97	12.4	<2.97	6.82	3.80	2.99
Allyl Chloride	<0.626	<0.626	<2.4	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626
Benzene	<0.639	<0.639	<0.48	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	0.799	<0.639
Benzyl Chloride	<1.04	<1.04	<3.9	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04
Bromodichloromethane	<1.34	<1.34	<2	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34
Bromoform	<6.21	<6.21	<7.8	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21
Bromomethane	<0.776	<0.776	<1.2	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776
1,3-Butadiene	<4.43	<4.43	<0.67	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43
Carbon Disulfide	<0.622	<0.622	<0.94	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622
Carbon Tetrachloride	<1.26	<1.26	<1.9	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26
Chlorobenzene	<0.924	<0.924	<1.4	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
Chloroethane	<0.528	<0.528	<0.8	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528
Chloroform	<0.973	<0.973	4.60	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973
Chloromethane	<0.413	0.778	<0.63	<0.413	<0.413	<0.413	0.535	<0.413	<0.413	1.01	0.467
2-Chlorotoluene	<1.03	<1.03	--	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Cyclohexane	<0.689	<0.689	<2.6	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689
Dibromochloromethane	<1.70	<1.70	<2.6	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70
1,2-Dibromoethane	<1.54	<1.54	<1.2	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	<1.20	<1.20	<1.8	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,3-Dichlorobenzene	<1.20	<1.20	<1.8	<1.20	<1.20	1.64	<1.20	<1.20	<1.20	<1.20	<1.20
1,4-Dichlorobenzene	<1.20	<1.20	<4.6	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dichloroethane	<0.810	<0.810	<0.61	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810
1,1-Dichloroethane	<0.802	<0.802	<1.2	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802
1,1-Dichloroethene	<0.793	<0.793	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<0.793	<0.793	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	3.73	3.66
trans-1,2-Dichloroethene	<0.793	<0.793	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
1,2-Dichloropropane	<0.924	<0.924	<1.4	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<0.908	<0.908	<1.4	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<0.908	<0.908	<1.4	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
1,4-Dioxane	<0.721	<0.721	<5.5	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Ethanol	6.21	8.90	10.6	1.43	4.88	3.98	56.60	<2.36	<2.36	15.4	5.20
Ethylbenzene	<0.867	<0.867	<1.3	<0.867	<0.867	1.56	<0.867	<0.867	<0.867	<0.867	<0.867
4-Ethyltoluene	<0.982	<0.982	<3.7	<0.982	<0.982	3.58	<0.982	<0.982	<0.982	<0.982	<0.982
Trichlorofluoromethane	1.38	1.31	<1.7	1.27	<1.12	1.43	1.51	1.47	1.17	1.87	1.42
Dichlorodifluoromethane	1.92	1.41	2.3	2.57	2.02	2.64	2.53	2.72	2.45	2.39	3.12
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<2.3	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	<1.40	<1.40	<2.1	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Heptane	<0.818	<0.818	<1.2	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	0.855
Hexachloro-1,3-butadiene	<6.73	<6.73	<8.1	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73
n-Hexane	7.38	<0.705	<1.1	<0.705	1.63	<0.705	<2.22	<2.22	<2.22	<2.22	2.63
Isopropylbenzene	<0.983	<0.983	<3.7	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983
Methylene Chloride	14.4	0.810	7.6	<0.694	1.32	<0.694	1.92	<0.694	<0.694	2.42	<0.694
Methyl Butyl Ketone	<5.11	<5.11	<6.2	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11
2-Butanone (MEK)	<3.69	<3.69	8.8	<3.69	<3.69	4.69	5.13	<3.69	<3.69	<3.69	<3.69
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<6.2	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12
Methyl methacrylate	<0.819	<0.819	2.3	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819
MTBE	<0.721	<0.721	<5.5	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Naphthalene	<3.30	<3.30	<4	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30
2-Propanol	<3.07	<3.07	4.5	<3.07	<3.07	<3.07	6.29	<3.07	<3.07	<3.07	<3.07
Propene	<0.689	<0.689	<0.52	<0.689	<0.689	<0.689	0.768	<2.15	<2.15	<2.15	<2.15
n-Propylbenzene	--	--	--	--	--	--	--	--	<0.982	<0.982	<0.982
Styrene	<0.851	<0.851	<1.3	1.26	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	2.02
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<1	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37
Tetrachloroethylene	711	307	693	1,590	331	433	754	1,830	333	1,570	1,550
Tetrahydrofuran	1.12	<0.590	<0.89	<0.590	1.48	10.7	<0.590	<0.590	<0.590	<0.590	1.52
Toluene	0.97	<0.753	<1.1	<0.753	0.945	6.44	4.37	<1.88	<1.88	<1.88	<1.88
1,2,4-Trichlorobenzene	<4.66	<4.66	<11.2	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66
1,1,1-Trichloroethane	<1.09	<1.09	<1.7	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
1,1,2-Trichloroethane	<1.09	<1.09	<0.83	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
Trichloroethylene	<1.07	<1.07	1.6	2.67	<1.07	<1.07	<1.07	<1.07	<1.07	4.33	6.86
1,2,4-Trimethylbenzene	<0.982	<0.982	<1.5	<0.982	1.25	4.43	<0.982	<0.982	<0.982	<0.982	<0.982
1,3,5-Trimethylbenzene	<0.982	<0.982	<1.5	<0.982	<0.982	1.35	<0.982	<0.982	<0.982	<0.982	<0.982
2,2,4-Trimethylpentane	<0.934	<0.934	<3.5	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934
Vinyl Chloride	<0.511	<0.511	<0.39	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511
Vinyl Bromide	<0.875	<0.875	<1.3	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875
Vinyl Acetate	<0.704	<0.704	<1.1	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704
m&p-Xylene	<1.73	<1.73	<2.6	<1.73	<1.73	6.37	<1.73	<1.73	<1.73	<1.73	<1.73
o-Xylene	<0.867	<0.867	<1.3	<0.867	<0.867	2.76	<0.867	<0.867	<0.867	<0.867	<0.867
TPH _g	670	350 J+	2,220	2,870	349	<826	<1650	2,270 J+	<826	1,660	1330 J+

See notes at end of table.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	VP-B	VP-B	VP-B	VP-B	VP-B	VP-B	VP-D	VP-D	VP-D DUP	VP-D	VP-D DUP	VP-D
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5	5
Date	1/18/2023	4/3/2023	8/22/2023	12/20/2023	7/23/2024	7/16/2025	5/12/2014	7/16/2014	7/16/2014	9/15/2014	9/15/2014	11/11/2014
Acetone	3.73	<2.97	<1.39	<2.97	8.41	7.24	<12	<24	<24	14 M	20 M	26
Allyl Chloride	<0.626	<0.626	<0.357	<0.626	<0.626	<0.626	<2.5	<5.0	<5.0	<0.63	<0.63	<2.5
Benzene	<0.639	<0.639	<0.228	<0.639	<0.639	<0.639	<2.6	<5.1	<5.1	1.4 M	1.9 M	<2.6
Benzyl Chloride	<1.04	<1.04	<0.311	<1.04	<1.04	<1.04	<4.2	<8.3	<8.3	<1.0	<1.0	<4.2
Bromodichloromethane	<1.34	<1.34	<0.471	<1.34	<1.34	<1.34	<5.4	<11	<11	<1.3	<1.3	<5.4
Bromoform	<6.21	<6.21	<0.757	<6.21	<6.21	<6.21	<25	<50	<50	<6.2	<6.2	<25
Bromomethane	<0.776	<0.776	<0.381	<0.776	<0.776	<0.776	<3.1	<6.2	<6.2	<0.78	<0.78	<3.1
1,3-Butadiene	<4.43	<4.43	<0.230	<4.43	<4.43	<4.43	<18	<35	<35	<4.4	<4.4	<18
Carbon Disulfide	<0.622	<0.622	<0.317	<0.622	<1.24	<1.24	<2.5	<5.0	<5.0	5.0 M	3.4 M	<2.5
Carbon Tetrachloride	<1.26	<1.26	<0.461	<1.26	<1.26	<1.26	<5.0	<10	<10	<1.3	<1.3	<5.0
Chlorobenzene	<0.924	<0.924	<0.385	<0.924	<0.924	<0.924	<3.7	<7.4	<7.4	<0.92	<0.92	<3.7
Chloroethane	<0.528	<0.528	<0.263	<0.528	<0.528	<0.528	<2.1	<4.2	<4.2	<0.53	<0.53	<2.1
Chloroform	<0.973	<0.973	<0.349	<0.973	<0.973	<0.973	<3.9	<7.8	<7.8	<0.97	<0.97	<3.9
Chloromethane	<0.413	<0.413	<0.213	<0.413	<0.413	<0.413	<1.7	<3.3	<3.3	1.1 M	<0.41 M	<1.7
2-Chlorotoluene	<1.03	<1.03	<0.427	<1.03	<1.03	<1.03	<4.1	<8.2	<8.2	<1.0	<1.0	<4.1
Cyclohexane	<0.689	<0.689	<0.259	<0.689	<0.689	<0.689	<2.8	<5.5	<5.5	<0.69	<0.69	<2.8
Dibromochloromethane	<1.7	<1.70	<0.618	<1.7	2.09	<1.7	<6.8	<14	<14	<1.7	<1.7	<6.8
1,2-Dibromoethane	<1.54	<1.54	<0.554	<1.54	<1.54	<1.54	<6.2	<12	<12	<1.5	<1.5	<6.2
1,2-Dichlorobenzene	<1.2	<1.20	<0.770	<1.2	<1.20	<1.20	<4.8	<9.6	<9.6	<1.2	<1.2	<4.8
1,3-Dichlorobenzene	<1.2	<1.20	<1.09	<1.2	<1.20	<1.20	<4.8	<9.6	<9.6	<1.2	<1.2	<4.8
1,4-Dichlorobenzene	<1.2	<1.20	<0.335	<1.2	<1.20	<1.20	<4.8	<9.6	<9.6	<1.2	<1.2	<4.8
1,2-Dichloroethane	<0.81	<0.810	<0.283	<0.81	<0.810	<0.810	<3.2	<6.5	<6.5	<0.81	<0.81	<3.2
1,1-Dichloroethane	<0.802	<0.802	<0.290	<0.802	<0.802	<0.802	<3.2	<6.4	<6.4	<0.80	<0.80	<3.2
1,1-Dichloroethene	<0.793	<0.793	<0.302	<0.793	<0.793	<0.793	<3.2	<6.3	<6.3	<0.79	<0.79	<3.2
cis-1,2-Dichloroethene	<0.793	<0.793	<0.311	<0.793	<0.793	<0.793	<3.2	<6.3	<6.3	<0.79	<0.79	<3.2
trans-1,2-Dichloroethene	<0.793	<0.793	<0.267	<0.793	<0.793	<0.793	<3.2	<6.3	<6.3	<0.79	<0.79	<3.2
1,2-Dichloropropane	<0.924	<0.924	<0.351	<0.924	<0.924	<0.924	<3.7	<7.4	<7.4	<0.92	<0.92	<3.7
cis-1,3-Dichloropropene	<0.908	<0.908	<0.313	<0.908	<0.908	<0.908	<3.6	<7.3	<7.3	<0.91	<0.91	<3.6
trans-1,3-Dichloropropene	<0.908	<0.908	<0.331	<0.908	<0.908	<0.908	<3.6	<7.3	<7.3	<0.91	<0.91	<3.6
1,4-Dioxane	<0.721	<0.721	<0.300	<2.27	<2.27	<2.27	<2.9	<5.8	<5.8	<0.72	<0.72	<2.9
Ethanol	3.22	<4.71	5.34 J+	<4.71	<4.71	6.60	8.5	<9.5	<9.5	<1.2 M	7.2 M	8.1
Ethylbenzene	<0.867	<0.867	<0.362	<0.867	<0.867	<0.867	<3.5	<6.9	<6.9	0.95	0.95	<3.5
4-Ethyltoluene	<0.982	<0.982	<0.384	<0.982	<0.982	<0.982	<3.9	9.8	<7.9	1.3	<0.98	<3.9
Trichlorofluoromethane	1.43	1.49	<0.460	1.15	1.31	<1.12	<4.5	<9.0	<9.0	1.2	<1.1	<4.5
Dichlorodifluoromethane	2.68	2.49	1.76	1.87	2.09	2.85	4.3	<7.9	<7.9	1.2	<0.99	4.7
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<0.608	<1.53	<1.53	<1.53	<6.1	<12	<12	<1.5	<1.5	<6.1
1,2-Dichlorotetrafluoroethane	<1.4	<1.40	<0.622	<1.4	<1.40	<1.40	<5.6	<11	<11	<1.4	<1.4	<5.6
Heptane	<0.818	<0.818	<0.425	<0.818	<0.818	<0.818	<3.3	<6.5	<6.5	0.98	<0.82	<3.3
Hexachloro-1,3-butadiene	<6.73	<6.73	<1.12	<6.73	<6.73	<6.73	<2.7	<5.4	<5.4	<6.7	<6.7	<2.7
n-Hexane	<2.22	<2.22	<0.726	<2.22	<2.22	<2.22	<2.8	<5.6	<5.6	1.9	1.7	<2.8
Isopropylbenzene	<0.983	<0.983	<0.382	<0.983	<0.983	<0.983	<3.9	<7.9	<7.9	<0.98	<0.98	<3.9
Methylene Chloride	0.736	<0.694	<0.340	<0.694	<0.694	<0.694	4.5	<5.6	<5.6	1.1 M	<0.69 M	<2.8
Methyl Butyl Ketone	<5.11	<5.11	<0.544	<5.11	<5.11	<5.11	<20	<41	<41	<5.1	<5.1	<20
2-Butanone (MEK)	<3.69	<3.69	<0.240	<3.69	<3.69	<3.69	<15	<29	<29	3.8	<3.7	<15
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<0.313	<5.12	<5.12	<5.12	<20	<41	<41	<5.1	<5.1	<20
Methyl methacrylate	<0.819	<0.819	<0.359	<0.819	<0.819	<0.819	<3.3	<6.6	<6.6	<0.82	<0.82	<3.3
MTBE	<0.721	<0.721	<0.233	<0.721	<0.721	<0.721	<2.9	<5.8	<5.8	7.6 M	<0.72 M	<2.9
Naphthalene	<3.3	<3.30	24.1	<3.3	<3.30	<3.30	<13	<26	<26	<3.3	<3.3	<13
2-Propanol	<3.07	<3.07	<0.649	<3.07	<3.07	3.61	<12	<25	<25	<3.1	<3.1	14
Propene	<2.15	<2.15	<0.160	<2.15	<2.15	<2.15	<2.8	<5.5	<5.5	2.6	2.6	<2.8
n-Propylbenzene	<0.982	<0.982	<0.379	<0.982	<0.982	<0.982	--	--	--	--	--	--
Styrene	<0.851	<0.851	<0.335	<0.851	<1.70	<1.70	<3.4	<6.8	<6.8	<0.85	<0.85	<3.4
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<0.511	<1.37	<1.37	<1.37	<5.5	<11	<11	<1.4	<1.4	<5.5
Tetrachloroethylene	236	279	2,760	180	1,940	1,240	17,000	12,000	11,000	7.5 M	3.8 M	25,000
Tetrahydrofuran	<0.59	<0.590	<0.216	<0.59	<0.590	<0.590	<2.4	<4.7	<4.7	2.1 M	<0.59 M	<2.4
Toluene	<1.88	<1.88	<0.328	<1.88	<1.88	<1.88	<3.0	20 M	<6.0 M	5.3	5.7	<3.0
1,2,4-Trichlorobenzene	<4.66	<4.66	<1.10	<4.66	<4.66	<4.66	<19	<37	<37	<4.7	<4.7	<19
1,1,1-Trichloroethane	<1.09	<1.09	<0.400	<1.09	<1.09	<1.09	<4.4	<8.7	<8.7	<1.1	<1.1	<4.4
1,1,2-Trichloroethane	<1.09	<1.09	<0.422	<1.09	<1.09	<1.09	<4.4	<8.7	<8.7	<1.1	<1.1	<4.4
Trichloroethylene	1.17	<1.07	2.59	<1.07	1.52	<1.07	<4.3	<8.6	<8.6	<1.1	<1.1	<4.3
1,2,4-Trimethylbenzene	<0.982	<0.982	<0.375	<0.982	<0.982	<0.982	<3.9	28 M	<7.9 M	4.8 M	2.9 M	<3.9
1,3,5-Trimethylbenzene	<0.982	<0.982	<0.382	<0.982	<0.982	<0.982	<3.9	11 M	<7.9 M	2.1 M	<0.98 M	<3.9
2,2,4-Trimethylpentane	<0.934	<0.934	<0.621	<0.934	<0.934	<0.934	<3.7	<7.5	<7.5	<0.93	1.1	<3.7
Vinyl Chloride	<0.511	<0.511	<0.243	<0.511	<0.511	<0.511	<2.0	<4.1	<4.1	<0.51	<0.51	<2.0
Vinyl Bromide	<0.875	<0.875	<0.373	<0.875	<0.875	<0.875	<3.5	<7.0	<7.0	<0.87	<0.87	<3.5
Vinyl Acetate	<0.704	<0.704 UJ	<0.408	<2.22	<2.22	<2.22	<2.8	<5.6	<5.6	<0.70	<0.70	<2.8
m&p-Xylene	<1.73	<1.73	<0.585	<1.73	<1.73	<1.73	<6.9	<14	<14	3.6	3.4	<6.9
o-Xylene	<0.867	<0.867	<0.359	<0.867	<0.867	<0.867	<3.5	<6.9	<6.9	1.5	1.2	<3.5
TPHg	<826	<826	1,410 J+	<826	1,360 J+	1,310	5,000	9,100	10,000	210	210	5,400

See notes at end of table.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	VP-D	VP-D	VP-D DUP	VP-D	VP-D DUP	VP-D	VP-D	VP-D	VP-D	VP-D	VP-D	VP-D DUP
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5	5
Date	3/16/2015	6/16/2015	6/16/2015	9/14/2015	9/14/2015	12/14/2015	3/7/2016	6/9/2016	9/12/2016	12/12/2016	3/30/2017	3/30/2017
Acetone	6.2	10	7.1	3.67	4.92	< 2.97	8.5	< 2.97	< 2.97	< 2.97	< 2.97	17.1
Allyl Chloride	< 0.63	< 0.63	< 0.63	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626	< 0.626
Benzene	< 0.64	< 0.64	< 0.64	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639	< 0.639
Benzyl Chloride	< 1.0	< 1.0	< 1.0	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04	< 1.04
Bromodichloromethane	< 1.3	< 1.3	< 1.3	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34
Bromoform	< 6.2	< 6.2	< 6.2	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21	< 6.21
Bromomethane	< 0.78	< 0.78	< 0.78	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776	< 0.776
1,3-Butadiene	< 4.4	< 4.4	< 4.4	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43	< 4.43
Carbon Disulfide	< 0.62	0.93	0.81	1.24	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622	< 0.622
Carbon Tetrachloride	< 1.3	< 1.3	< 1.3	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26	< 1.26
Chlorobenzene	< 0.92	< 0.92	< 0.92	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924
Chloroethane	< 0.53	< 0.53	< 0.53	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528
Chloroform	< 0.97	< 0.97	< 0.97	20.7	21.2	1.12	< 0.973	98.4	15.3	1.49	< 0.973	< 0.973
Chloromethane	< 0.41	0.87	< 0.41	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413	< 0.413
2-Chlorotoluene	< 1.0	< 1.0	< 1.0	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03	< 1.03
Cyclohexane	0.76	< 0.69	< 0.69	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	0.931
Dibromochloromethane	< 1.7	< 1.7	< 1.7	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70	< 1.70
1,2-Dibromoethane	< 1.5	< 1.5	< 1.5	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54	< 1.54
1,2-Dichlorobenzene	< 1.2	< 1.2	< 1.2	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,3-Dichlorobenzene	< 1.2	< 1.2	< 1.2	< 1.20	< 1.20	< 1.20	12.7	12.7	< 1.20	< 1.20	< 1.20	1.47
1,4-Dichlorobenzene	< 1.2	< 1.2	< 1.2	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20
1,2-Dichloroethane	< 0.81	< 0.81	< 0.81	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810	< 0.810
1,1-Dichloroethane	< 0.80	< 0.80	< 0.80	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802	< 0.802
1,1-Dichloroethene	< 0.79	< 0.79	< 0.79	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793
cis-1,2-Dichloroethene	< 0.79	< 0.79	< 0.79	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793
trans-1,2-Dichloroethene	< 0.79	< 0.79	< 0.79	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793
1,2-Dichloropropane	< 0.92	< 0.92	< 0.92	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924	< 0.924
cis-1,3-Dichloropropene	< 0.91	< 0.91	< 0.91	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908
trans-1,3-Dichloropropene	< 0.91	< 0.91	< 0.91	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908	< 0.908
1,4-Dioxane	< 0.72	< 0.72	< 0.72	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721
Ethanol	11 M	8.9	4.7	< 1.19	2.54	< 1.19 J3	220	< 1.19	5.09	< 1.19	1.98 J	30.9 J
Ethylbenzene	1.0	< 0.87	< 0.87	< 0.867	< 0.867	< 0.867	1.8	< 0.867	< 0.867	< 0.867	< 0.867	1.60
4-Ethyltoluene	< 0.98	< 0.98	< 0.98	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982	0.982
Trichlorofluoromethane	1.7	1.6	1.6	1.49	1.51	1.68	1.69	1.22	1.51	1.30	1.44	1.50
Dichlorodifluoromethane	2.7	2.3	2.3	1.83	2.37	2.11	2.42	1.46	2.05	2.20	1.36	1.50
1,1,2-Trichlorotrifluoroethane	< 1.5	< 1.5	< 1.5	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53
1,2-Dichlorotetrafluoroethane	< 1.4	< 1.4	< 1.4	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40
Heptane	0.90	< 0.82	< 0.82	< 0.818	< 0.818	< 0.818	< 0.818	< 0.818	< 0.818	< 0.818	< 0.818	0.952
Hexachloro-1,3-butadiene	< 6.7	< 6.7	< 6.7	< 6.73	< 6.73	< 6.73 J3	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73	< 6.73
n-Hexane	1.2	< 0.71	< 0.71	< 0.705	< 0.705	< 0.705	0.979	< 0.705	< 0.705	< 0.705	< 0.705	0.856
Isopropylbenzene	< 0.98	< 0.98	< 0.98	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983	< 0.983
Methylene Chloride	< 0.69	9.0	< 0.69	< 0.694	< 0.694	< 0.694	< 0.694	< 0.694	< 0.694	< 0.694	< 0.694	1.12 B
Methyl Butyl Ketone	< 5.1	< 5.1	< 5.1	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11	< 5.11
2-Butanone (MEK)	< 3.7	< 3.7	< 3.7	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69	< 3.69
4-Methyl-2-pentanone (MIBK)	< 5.1	< 5.1	< 5.1	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12	< 5.12
Methyl methacrylate	< 0.82	< 0.82	< 0.82	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819	< 0.819
MTBE	< 0.72	< 0.72	< 0.72	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	0.91	< 0.721	< 0.721	< 0.721
Naphthalene	< 3.3	< 3.3	< 3.3	< 3.30	< 3.30	< 3.30 J3	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30
2-Propanol	3.9 M	4.7	< 3.1	< 3.07	< 3.07	< 3.07	96.8	< 3.07	< 3.07	< 3.07	4.62 J	34.2 J
Propene	< 0.69	< 0.69	< 0.69	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689	< 0.689
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	< 0.85	< 0.85	< 0.85	< 0.851	< 0.851	< 0.851	2.57	< 0.851	< 0.851	< 0.851	< 0.851	1.39
1,1,2,2-Tetrachloroethane	< 1.4	< 1.4	< 1.4	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37
Tetrachloroethylene	3,700	5,900	5,400	22,800	17,900	1,810	691	1,230 M	1,010	222	71.4	69.3
Tetrahydrofuran	1.3	< 0.59	0.59	< 0.590	< 0.590	< 0.590	< 0.590	< 0.590	< 0.590	< 0.590	< 0.590	3.75
Toluene	4.5	1.3	1.0	< 0.753	< 0.753	< 0.753	5.35	< 0.753	1.02	< 0.753	< 0.753	11.4
1,2,4-Trichlorobenzene	< 4.7	< 4.7	< 4.7	< 4.66	< 4.66	< 4.66 J3	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66	< 4.66
1,1,1-Trichloroethane	< 1.1	< 1.1	< 1.1	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09
1,1,2-Trichloroethane	< 1.1	< 1.1	< 1.1	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09	< 1.09
Trichloroethylene	< 1.1	< 1.1	< 1.1	< 1.07	< 1.07	7.15	1.9	< 1.07	< 1.07	< 1.07	< 1.07	< 1.07
1,2,4-Trimethylbenzene	3.8	1.1	1.3	< 0.982	< 0.982	< 0.982	5.12	< 0.982	< 0.982	< 0.982	1.06	1.29
1,3,5-Trimethylbenzene	1.1	< 0.98	< 0.98	< 0.982	< 0.982	< 0.982	1.38	< 0.982	< 0.982	< 0.982	< 0.982	< 0.982
2,2,4-Trimethylpentane	< 0.93	< 0.93	< 0.93	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934
Vinyl Chloride	< 0.51	< 0.51	< 0.51	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511	< 0.511
Vinyl Bromide	< 0.87	< 0.87	< 0.87	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875	< 0.875
Vinyl Acetate	< 0.70	< 0.70	< 0.70	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704	< 0.704
m&p-Xylene	8.2	2.4	2.2	< 1.73	< 1.73	< 1.73	9.13	< 1.73	< 1.73	< 1.73	< 1.73	4.98
o-Xylene	3.1	< 0.87	< 0.87	< 0.867	< 0.867	< 0.867	3.58	< 0.867	< 0.867	< 0.867	< 0.867	1.89
TPH _g	1,100	4,500	5,400	6,060	6,230	1,030	693	1,590	1,190			

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	VP-D	VP-D DUP	VP-D	VP-D DUP	VP-D	VP-D DUP	VP-D	VP-D DUP	VP-D	VP-D DUP	VP-D	VP-D DUP
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5	5
Date	6/26/2017	6/26/2017	9/29/2017	9/29/2017	11/20/2017	11/20/2017	2/8/2018	2/8/2018	5/21/2018	5/21/2018	8/3/2018	8/3/2018
Acetone	9.21	9.65	<2.97	8.04	<2.97	<2.97	53.8 J	33.3 J	294 J	<2.97	<2.97	3.94
Allyl Chloride	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626
Benzene	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639
Benzyl Chloride	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04
Bromodichloromethane	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34
Bromoform	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21
Bromomethane	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776
1,3-Butadiene	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43
Carbon Disulfide	<0.622	<0.622	<0.622	3.65	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622
Carbon Tetrachloride	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26
Chlorobenzene	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
Chloroethane	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528
Chloroform	27.3	29.2	14.0	13.0	4.03	4.09	<0.973	1.09	<0.973	<0.973	24.4	23.6
Chloromethane	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413	0.636	<0.413	<0.413	<0.413
2-Chlorotoluene	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Cyclohexane	<0.689	<0.689	1.66 J	23.8 J	2.43	2.40	0.833	<0.689	<0.689	<0.689	<0.689	<0.689
Dibromochloromethane	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70
1,2-Dibromoethane	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,3-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,4-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dichloroethane	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810
1,1-Dichloroethane	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802
1,1-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
trans-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
1,2-Dichloropropane	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
1,4-Dioxane	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Ethanol	7.96 J	26.2 J	6.58 J	12.4 J	<1.19	1.58	7.20 J	2.33 J	6.35 J	1.83 J	<1.19	3.45
Ethylbenzene	<0.867	<0.867	<0.867	4.85	<0.867	<0.867	2.68 J	1.57 J	<0.867	<0.867	<0.867	<0.867
4-Ethyltoluene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	3.04	<0.982	<0.982	<0.982
Trichlorofluoromethane	1.48	1.49	1.38	1.38	1.21	1.20	1.22	1.51	1.24	1.20	1.62	1.59
Dichlorodifluoromethane	1.45	1.45	1.32	1.38	1.25	1.22	1.45	1.28	1.28	1.33	1.74	1.76
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Heptane	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818
Hexachloro-1,3-butadiene	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73
n-Hexane	<0.705	0.865	<0.705	0.742	<0.705	<0.705	2.31 J	1.17 J	<0.705	<0.705	<0.705	<0.705
Isopropylbenzene	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983
Methylene Chloride	1.65 B, J	0.713 B, J	1.06 J	2.10 J	0.725	<0.694	<0.694	<0.694	<0.694	0.856	<0.694	<0.694
Methyl Butyl Ketone	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11
2-Butanone (MEK)	<3.69	<3.69	<3.69	7.39	<3.69	<3.69	<3.69	<3.69	50.3	<3.69	<3.69	<3.69
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12
Methyl methacrylate	<0.819	1.47	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819
MTBE	1.11	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Naphthalene	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30
2-Propanol	10.6 J	5.10 J	<3.07	12.0	<3.07	<3.07	41.6	34.9	5.24	<3.07	<3.07	<3.07
Propene	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	<0.851	<0.851	<0.851	2.30	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37
Tetrachloroethylene	158	163	554	483	325	323	195 J	298 J	247	235	449	438
Tetrahydrofuran	1.64 J	2.83 J	<0.590	<0.590	<0.590	<0.590	4.48 J	2.53 J	0.601 J	1.08 J	<0.590	<0.590
Toluene	<0.753	3.29	1.72 J	21.0 J	<0.753	<0.753	15.4 J	1.27 J	2.74 J	1.09 J	<0.753	<0.753
1,2,4-Trichlorobenzene	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66
1,1,1-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
1,1,2-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
Trichloroethylene	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07
1,2,4-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	7.17	<0.982	<0.982	<0.982
1,3,5-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	2.17	<0.982	<0.982	<0.982
2,2,4-Trimethylpentane	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934
Vinyl Chloride	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511
Vinyl Bromide	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875
Vinyl Acetate	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704
m&p-Xylene	<1.73	<1.73	<1.73	14.1	<1.73	<1.73	10.9 J	6.18 J	2.36	<1.73	<1.73	<1.73
o-Xylene	<0.867	<0.867	<0.867	3.75	<0.867	<0.867	3.29 J	1.96 J	1.51	<0.867	<0.867	<0.867
TPHg	401 J	248 J	562	703	423	364	369 J+	481	418 J+	244 J+	410	411

See notes at end of table.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	VP-D	VP-D	VP-D DUP	VP-D	VP-D DUP	VP-D	VP-D DUP	VP-D	VP-D DUP	VP-D	VP-D DUP
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5
Date	11/19/2018	3/18/2019	3/18/2019	5/13/2019	5/13/2019	8/19/2019	8/19/2019	11/4/2019	11/4/2019	2/24/2020	2/24/2020
Acetone	6.86	<2.97	3.61	7.6 M	279 M	7.51 M	23.8 M	<2.97	<2.97	<2.97	<2.97
Allyl Chloride	<0.626	<0.626	<0.626	<2.3	<2.4	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626
Benzene	<0.639	<0.639	<0.639	0.91	<0.48	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639
Benzyl Chloride	<1.04	<1.04	<1.04	<3.8	<3.9	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04
Bromodichloromethane	<1.34	<1.34	<1.34	<2	<2	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34
Bromoform	<6.21	<6.21	<6.21	<7.7	<7.8	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21
Bromomethane	<0.776	<0.776	<0.776	<1.2	<1.2	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776
1,3-Butadiene	<4.43	<4.43	<4.43	<0.66	<0.67	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43
Carbon Disulfide	0.637	<0.622	<0.622	<0.92	<0.94	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622
Carbon Tetrachloride	<1.26	<1.26	<1.26	<1.9	<1.9	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26
Chlorobenzene	<0.924	<0.924	<0.924	<1.4	<1.4	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
Chloroethane	<0.528	<0.528	<0.528	<0.78	<0.8	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528
Chloroform	3.11	4.34	4.03	2.0	1.8	<0.973	<0.973	18.0	17.5	1.34	1.23
Chloromethane	0.787	<0.413	<0.413	<0.61	<0.63	1.11 M	3.52 M	<0.413	<0.413	<0.413	<0.413
2-Chlorotoluene	<1.03	<1.03	<1.03	–	–	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Cyclohexane	<0.689	<0.689	<0.689	<2.6	<2.6	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689
Dibromochloromethane	<1.70	<1.70	<1.70	<2.5	<2.6	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70
1,2-Dibromoethane	<1.54	<1.54	<1.54	<1.1	<1.2	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	<1.20	<1.20	<1.20	<1.8	<1.8	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,3-Dichlorobenzene	<1.20	<1.20	<1.20	<1.8	<1.8	<1.20	<1.20	<1.20	<1.20	1.77	1.36
1,4-Dichlorobenzene	<1.20	<1.20	<1.20	<4.5	<4.6	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dichloroethane	<0.810	<0.810	<0.810	<0.6	<0.61	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810
1,1-Dichloroethane	<0.802	<0.802	<0.802	<1.2	<1.2	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802
1,1-Dichloroethene	<0.793	<0.793	<0.793	<1.2	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	<1.2	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
trans-1,2-Dichloroethene	<0.793	<0.793	<0.793	<1.2	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
1,2-Dichloropropane	<0.924	<0.924	<0.924	<1.4	<1.4	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	<1.3	<1.4	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	<1.3	<1.4	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
1,4-Dioxane	<0.721	<0.721	<0.721	<5.3	<5.5	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Ethanol	9.57	3.08	3.42	4.3 M	82.0 M	4.00 M	19.8 M	<1.19	<1.19	3.43	4.37
Ethylbenzene	<0.867	<0.867	<0.867	<1.3	17.2	<0.867	<0.867	<0.867	<0.867	1.33	0.954
4-Ethyltoluene	<0.982	<0.982	<0.982	<3.6	4.4	<0.982	<0.982	<0.982	<0.982	2.75	2.28
Trichlorofluoromethane	1.34	1.39	1.28	<1.7	<1.7	1.23	1.39	1.14	1.20	1.55	1.61
Dichlorodifluoromethane	1.88	1.39 M	2.30 M	2.0	2.0	2.40	2.67	2.00	2.12	<0.989	2.82
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<1.53	<2.3	<2.3	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	<1.40	<1.40	<1.40	<2.1	<2.1	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Heptane	<0.818	<0.818	<0.818	<1.2	<1.2	<0.818	<0.818	<0.818	<0.818	0.830	<0.818
Hexachloro-1,3-butadiene	<6.73	<6.73	<6.73	<7.9	<8.1	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73
n-Hexane	<0.705	1.10	1.39	<1	1.8	0.834	<0.705	<0.705	<0.705	<0.705	<0.705
Isopropylbenzene	<0.983	<0.983	<0.983	<3.6	4.8	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983
Methylene Chloride	<0.694	3.92	4.87	<5.2	8.3	0.696 J+	0.744 J+	<0.694	<0.694	<0.694	<0.694
Methyl Butyl Ketone	<5.11	<5.11	<5.11	<6.1	<6.2	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11
2-Butanone (MEK)	<3.69	<3.69	<3.69	<4.4	60.5	<3.69	<3.69	<3.69	<3.69	3.92	<3.69
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<5.12	<6.1	<6.2	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12
Methyl methacrylate	<0.819	<0.819	<0.819	<1.2	<1.2	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819
MTBE	<0.721	<0.721	<0.721	<5.3	<5.5	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Naphthalene	<3.30	<3.30	<3.30	<3.9	<4	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30
2-Propanol	<3.07	<3.07	<3.07	<3.6	38.1	<3.07	<3.07	<3.07	<3.07	<3.07	<3.07
Propene	<0.689	<0.689	<0.689	<0.51	<0.52	<0.689	3.25	<0.689	<0.689	<0.689	<0.689
n-Propylbenzene	–	–	–	–	–	–	–	–	–	–	–
Styrene	<0.851	<0.851	<0.851	<1.3	<1.3	<0.851	2.12	<0.851	<0.851	<0.851	<0.851
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<1.37	<1	<1	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37
Tetrachloroethylene	89.2	252 M	170 M	107	93.2	<1.36	2.41	19.9	18.7	9.91	5.95
Tetrahydrofuran	<0.590	<0.590	<0.590	<0.88	7.3	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590
Toluene	<0.753	<0.753	0.904	7.7	6.6	1.23 M	2.54 M	<0.753	<0.753	6.52	4.14
1,2,4-Trichlorobenzene	<4.66	<4.66	<4.66	<11	<11.2	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66
1,1,1-Trichloroethane	<1.09	<1.09	<1.09	<1.6	<1.7	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
1,1,2-Trichloroethane	<1.09	<1.09	<1.09	<0.81	<0.83	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
Trichloroethylene	<1.07	1.30	<1.07	9.8	<0.81	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07
1,2,4-Trimethylbenzene	<0.982	<0.982	<0.982	4.4 M	8.9 M	<0.982	<0.982	<0.982	<0.982	3.25	2.78
1,3,5-Trimethylbenzene	<0.982	<0.982	<0.982	<1.5	3.9	<0.982	<0.982	<0.982	<0.982	1.03	<0.982
2,2,4-Trimethylpentane	<0.934	<0.934	<0.934	<3.5	<3.5	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934
Vinyl Chloride	<0.511	<0.511	<0.511	<0.38	<0.39	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511
Vinyl Bromide	<0.875	<0.875	<0.875	<1.3	<1.3	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875
Vinyl Acetate	<0.704	<0.704	<0.704	<1	<1.1	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704
m&p-Xylene	<1.73	<1.73	<1.73	9.6 M	57.5 M	<1.73	<1.73	<1.73	<1.73	5.42	3.82
o-Xylene	<0.867	<0.867	<0.867	3.2 M	17.0 M	<0.867	<0.867	<0.867	<0.867	2.10	1.57
TPHg	<207	270 J+	<207	<152	1,930	<207	<207	<207	<207	<826	<826

See notes at end of table.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	VP-D	VP-D DUP	VP-D	VP-D	VP-D DUP						
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5
Date	11/4/2020	11/4/2020	8/31/2021	1/26/2022	1/26/2022	7/18/2022	7/18/2022	8/18/2022	8/18/2022	1/18/2023	1/18/2023
Acetone	4.90	6.58	<2.97	3.83	4.75	<2.97	3.21	<2.97	<2.97	<2.97	<2.97
Allyl Chloride	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626
Benzene	<0.639	<0.639	<0.639	<0.639	0.763	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639
Benzyl Chloride	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04
Bromodichloromethane	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34
Bromoform	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21
Bromomethane	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776
1,3-Butadiene	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43
Carbon Disulfide	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622
Carbon Tetrachloride	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26
Chlorobenzene	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
Chloroethane	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528
Chloroform	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973
Chloromethane	<0.413	<0.413	<0.413	<0.413	1.22	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413
2-Chlorotoluene	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Cyclohexane	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689
Dibromochloromethane	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70
1,2-Dibromoethane	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,3-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,4-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dichloroethane	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810
1,1-Dichloroethane	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802
1,1-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
trans-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	1.03	<0.793	<0.793
1,2-Dichloropropane	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
1,4-Dioxane	0.973	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Ethanol	11.40	8.45	<2.36	13.4 M	6.49 M	3.09 M	6.64 M	<2.36	3.94	8.58	7.73
Ethylbenzene	1.27	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867
4-Ethyltoluene	2.56	1.68	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982
Trichlorofluoromethane	1.55	1.57	1.62	1.34	1.33	1.70	1.88	1.44	1.50	1.45	1.43
Dichlorodifluoromethane	2.93	2.45	2.70	2.43	2.59	2.33	2.38	2.78	2.72	2.57	2.51
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Heptane	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818
Hexachloro-1,3-butadiene	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73
n-Hexane	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22
Isopropylbenzene	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983
Methylene Chloride	<0.694	<0.694	<0.694	2.33	<0.694	<0.694	1.22	<0.694	<0.694	<0.694	0.712
Methyl Butyl Ketone	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11
2-Butanone (MEK)	6.90	3.77	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12
Methyl methacrylate	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819
MTBE	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Naphthalene	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30
2-Propanol	<3.07	<3.07	<3.07	37.1	<3.07	<3.07	<3.07	<3.07	<3.07	<3.07	<3.07
Propene	<0.689	<0.689	<2.15	<2.15	<2.15	<2.15	<2.15	<2.15	<2.15	<2.15	<2.15
n-Propylbenzene	--	--	--	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982
Styrene	1.02	<0.851	<0.851	<0.851	<0.851	2.22	<0.851	1.39 M	3.65 M	<0.851	<0.851
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37
Tetrachloroethylene	102	116	66.3	19.0	<1.36	40.2	43.7	58.5	52.5	60.2	58.7
Tetrahydrofuran	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590
Toluene	4.90	2.02	<1.88	2.78 M	1.94 M	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88
1,2,4-Trichlorobenzene	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66
1,1,1-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
1,1,2-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
Trichloroethylene	3.16	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07
1,2,4-Trimethylbenzene	3.47	2.38	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982
1,3,5-Trimethylbenzene	1.14	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982
2,2,4-Trimethylpentane	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934
Vinyl Chloride	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511
Vinyl Bromide	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875
Vinyl Acetate	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704
m&p-Xylene	5.07	2.48	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73
o-Xylene	2.27	1.17	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867
TPHg	<826	<826	<826	<826	<826	<826	<826	<826	<826	<826	<826

See notes at end of table.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Sample Location	VP-D	VP-D DUP	VP-D	VP-D	VP-D	VP-D	VP-D DUP
Depth (ft bgs)	5	5	5	5	5	5	5
Date	4/3/2023	4/3/2023	8/22/2023	12/20/2023	7/23/2024	1/24/2025	7/16/2025
Acetone	<2.97	5.06	<1.39	<2.97	4.85	<2.97	3.18
Allyl Chloride	<0.626	<0.626	<0.357	<0.626	<0.626	<0.626	<0.626
Benzene	<0.639	<0.639	<0.228	<0.639	<0.639	<0.639	<0.639
Benzyl Chloride	<1.04	<1.04	<0.311	<1.04	<1.04	<1.04	<1.04
Bromodichloromethane	<1.34	<1.34	<0.471	<1.34	<1.34	<1.34	<1.34
Bromoform	<6.21	<6.21	<0.757	<6.21	<6.21	<6.52	<6.52
Bromomethane	<0.776	<0.776	<0.381	<0.776	<0.776	<0.776	<0.776
1,3-Butadiene	<4.43	<4.43	<0.230	<4.43	<4.43	<4.43	<4.43
Carbon Disulfide	<0.622	<0.622	<0.317	<0.622	<1.24	<1.24	<1.24
Carbon Tetrachloride	<1.26	<1.26	<0.461	<1.26	<1.26	<1.26	<1.26
Chlorobenzene	<0.924	<0.924	<0.385	<0.924	<0.924	<0.924	<0.924
Chloroethane	<0.528	<0.528	<0.263	<0.528	<0.528	<0.528	<0.528
Chloroform	<0.973	<0.973	<0.349	<0.973	<0.973	<0.973	<0.973
Chloromethane	<0.413	<0.413	<0.213	<0.413	<0.413	<0.413	<0.413
2-Chlorotoluene	<1.03	<1.03	<0.427	<1.03	<1.03	<1.03	<1.03
Cyclohexane	<0.689	<0.689	<0.259	<0.689	<0.689	<0.689	<0.689
Dibromochloromethane	<1.70	<1.70	<0.618	<1.7	3.12	2.6	<1.70
1,2-Dibromoethane	<1.54	<1.54	<0.554	<1.54	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	<1.20	<1.20	<0.770	<1.2	<1.20	<1.20	<1.20
1,3-Dichlorobenzene	<1.20	<1.20	<1.09	<1.2	<1.20	<1.20	<1.20
1,4-Dichlorobenzene	<1.20	<1.20	<0.335	<1.2	<1.20	<1.20	<1.20
1,2-Dichloroethane	<0.810	<0.810	<0.283	<0.81	<0.810	<0.810	<0.810
1,1-Dichloroethane	<0.802	<0.802	<0.290	<0.802	<0.802	<0.802	<0.802
1,1-Dichloroethene	<0.793	<0.793	<0.302	<0.793	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<0.793	<0.793	<0.311	<0.793	0.959	<0.793	<0.793
trans-1,2-Dichloroethene	<0.793	<0.793	<0.267	<0.793	<0.793	<0.793	<0.793
1,2-Dichloropropane	<0.924	<0.924	<0.351	<0.924	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<0.908	<0.908	<0.313	<0.908	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<0.908	<0.908	<0.331	<0.908	<0.908	<0.908	<0.908
1,4-Dioxane	<0.721	<0.721	<0.300	<2.27	<2.27	<2.27	<2.27
Ethanol	<4.71	40.2	<0.500	5.30 J+	6.30	<4.71	<4.71
Ethylbenzene	<0.867	<0.867	<0.362	<0.867	<0.867	<0.867	<0.867
4-Ethyltoluene	<0.982	<0.982	<0.384	<0.982	<0.982	<0.982	<0.982
Trichlorofluoromethane	1.47	1.47	1.40	1.26	1.31	1.29	<1.12
Dichlorodifluoromethane	2.60	2.51	2.26	1.88	3.12	2.6	2.93
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<0.608	<1.53	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	<1.40	<1.40	<0.622	<1.4	<1.40	<1.40	<1.40
Heptane	<0.818	<0.818	<0.425	<0.818	<0.818	<0.818	<0.818
Hexachloro-1,3-butadiene	<6.73	<6.73	<1.12	<6.73	<6.73	<6.73	<6.73
n-Hexane	<2.22	<2.22	<0.726	<2.22	<2.22	<2.22	<2.22
Isopropylbenzene	<0.983	<0.983	<0.382	<0.983	<0.983	<0.983	<0.983
Methylene Chloride	<0.694	2.06	<0.340	<0.694	<0.694	<0.694	<0.694
Methyl Butyl Ketone	<5.11	<5.11	<0.544	<5.11	<5.11	<5.11	<5.11
2-Butanone (MEK)	<3.69	<3.69	<0.240	<3.69	<3.69	<3.69	<3.69
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<0.313	<5.12	<5.12	<5.12	<5.12
Methyl methacrylate	<0.819	<0.819	<0.359	<0.819	<0.819	<0.819	<0.819
MTBE	<0.721	<0.721	<0.233	<0.721	<0.721	<0.721	<0.721
Naphthalene	<3.30	<3.30	<1.83	<3.30	<3.30	<3.30	<3.30
2-Propanol	<3.07	5.58	<0.649	<3.07	<3.07	<3.07	<3.07
Propene	<2.15	<2.15	<0.160	<2.15	<2.15	<2.15	<2.15
n-Propylbenzene	<0.982	<0.982	<0.379	<0.982	<0.982	<0.982	<0.982
Styrene	<0.851	<0.851	<0.335	<0.851	<1.70	<1.70	<1.70
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<0.511	<1.37	<1.37	<1.37	<1.37
Tetrachloroethylene	55.4	49.0	105	51.7	55.3	50.7	58.8
Tetrahydrofuran	<0.590	<0.590	<0.216	<0.59	<0.590	<0.590	<0.590
Toluene	<1.88	<1.88	<0.328	<1.88	<1.88	<1.88	<1.88
1,2,4-Trichlorobenzene	<4.66	<4.66	<1.10	<4.66	<4.66	<4.66	<4.66
1,1,1-Trichloroethane	<1.09	<1.09	<0.400	<1.09	<1.09	<1.09	<1.09
1,1,2-Trichloroethane	<1.09	<1.09	<0.422	<1.09	<1.09	<1.09	<1.09
Trichloroethylene	<1.07	<1.07	<0.364	<1.07	118	<1.07	<1.07
1,2,4-Trimethylbenzene	<0.982	<0.982	<0.375	<0.982	<0.982	<0.982	<0.982
1,3,5-Trimethylbenzene	<0.982	<0.982	<0.382	<0.982	<0.982	<0.982	<0.982
2,2,4-Trimethylpentane	<0.934	<0.934	<0.621	<0.934	<0.934	<0.934	<0.934
Vinyl Chloride	<0.511	<0.511	<0.243	<0.511	<0.511	<0.511	<0.511
Vinyl Bromide	<0.875	<0.875	<0.373	<0.875	<0.875	<0.875	<0.875
Vinyl Acetate	<0.704 UJ	<0.704 UJ	<0.408	<2.22	<2.22	<2.22	<2.22
m&p-Xylene	<1.73	<1.73	<0.585	<1.73	<1.73	<1.73	<1.73
o-Xylene	<0.867	<0.867	<0.359	<0.867	<0.867	<0.867	<0.867
TPHg	<826	<826	<164	<826	<826	<826	<826

See notes at end of table.

Table B-3
Soil Vapor Analytical Results – Residential
Former Ellis Dry Cleaners

Notes:

1. Results in $\mu\text{g}/\text{m}^3$ = Micrograms per cubic meter.
2. Bold values indicate concentration detected above the minimum reporting limit.
3. VOCs = Volatile organic compounds.
4. M = The relative percent difference between the primary and duplicate sample are above the quality control limit of 30%.
5. J+ = Data results are estimated values and may be biased high.
6. UJ = The not detected result is estimated at the reporting limit.

Table B-4
Soil Vapor Analytical Results – Commercial
Former Ellis Dry Cleaners

Sample Location	VP-E	VP-H	VP-I	VP-C	VP-C	VP-C	VP-C	VP-C	VP-C	VP-C	VP-C	VP-C
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5	5
Date	8/13/2013	8/13/2013	8/13/2013	5/12/2014	7/16/2014	9/15/2014	11/11/2014	3/16/2015	6/16/2015	9/14/2015	12/14/2015	3/7/2016
Acetone	140	190	810	<3.0	24	95	14	5.7	5.0	6.70	3.16	24.60
Allyl Chloride	<0.63	<0.63	<0.63	<0.63	<2.5	<0.63	<0.63	<0.63	<0.63	<0.626	<0.626	<0.626
Benzene	<0.64	1.4	0.70	<0.64	<2.6	3.1	<0.64	0.67	<0.64	<0.639	<0.639	3.1
Benzyl Chloride	<1.0	<1.0	<1.0	<1.0	<4.2	<1.0	<1.0	<1.0	<1.0	<1.04	<1.04	<1.04
Bromodichloromethane	<1.3	<1.3	<1.3	<1.3	<5.4	<1.3	<1.3	<1.3	<1.3	<1.34	<1.34	<1.34
Bromoform	<6.2	<6.2	<6.2	<6.2	<25	<6.2	<6.2	<6.2	<6.2	<6.21	<6.21	<6.21
Bromomethane	<0.78	<0.78	<0.78	<0.78	<3.1	<0.78	<0.78	<0.78	<0.78	<0.776	<0.776	<0.776
1,3-Butadiene	<4.4	<4.4	<4.4	<4.4	<18	<4.4	<4.4	<4.4	<4.4	<4.43	<4.43	<4.43
Carbon Disulfide	<0.62	<0.62	<0.62	<0.62	<2.5	1.9	2.1	<0.62	<0.62	<0.622	<0.622	<0.622
Carbon Tetrachloride	<1.3	<1.3	<1.3	<1.3	<5.0	<1.3	1.6	<1.3	<1.3	<1.26	<1.26	<1.26
Chlorobenzene	<0.92	<0.92	<0.92	<0.92	<3.7	<0.92	<0.92	<0.92	<0.92	<0.924	<0.924	<0.924
Chloroethane	<0.53	<0.53	<0.53	<0.53	<2.1	<0.53	<0.53	<0.53	<0.53	<0.528	<0.528	<0.528
Chloroform	<0.97	<0.97	<0.97	<0.97	<3.9	1.5	<0.97	<0.97	<0.97	<0.973	<0.973	<0.973
Chloromethane	<0.41	<0.41	<0.41	<0.41	<1.7	0.60	<0.41	<0.41	<0.41	<0.413	1.10	1.37
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<4.1	<1.0	<1.0	<1.0	<1.0	<1.03	<1.03	<1.03
Cyclohexane	<0.69	<0.69	<0.69	<0.69	<2.8	4.1	<0.69	0.93	<0.69	<0.689	<0.689	3.04
Dibromochloromethane	<1.7	<1.7	<1.7	<1.7	<6.8	<1.7	<1.7	<1.7	<1.7	<1.70	<1.70	<1.70
1,2-Dibromoethane	<1.5	<1.5	<1.5	<1.5	<6.2	<1.5	<1.5	<1.5	<1.5	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	<1.2	<1.2	<1.2	<1.2	<4.8	<1.2	<1.2	<1.2	<1.2	<1.20	<1.20	<1.20
1,3-Dichlorobenzene	<1.2	<1.2	<1.2	<1.2	<4.8	<1.2	<1.2	<1.2	<1.2	<1.20	<1.20	5.04
1,4-Dichlorobenzene	<1.2	<1.2	<1.2	<1.2	<4.8	<1.2	<1.2	<1.2	<1.2	<1.20	<1.20	<1.20
1,2-Dichloroethane	<0.81	<0.81	<0.81	<0.81	<3.2	2.4	<0.81	<0.81	<0.81	<0.810	<0.810	<0.810
1,1-Dichloroethane	<0.80	<0.80	<0.80	<0.80	<3.2	<0.80	<0.80	<0.80	<0.80	<0.802	<0.802	<0.802
1,1-Dichloroethene	<0.79	<0.79	<0.79	<0.79	<3.2	<0.79	<0.79	<0.79	<0.79	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<0.79	<0.79	<0.79	<0.79	<3.2	<0.79	<0.79	<0.79	<0.79	<0.793	<0.793	<0.793
trans-1,2-Dichloroethene	<0.79	<0.79	<0.79	3.1	<3.2	<0.79	<0.79	<0.79	<0.79	<0.793	<0.793	<0.793
1,2-Dichloropropane	<0.92	<0.92	<0.92	<0.92	<3.7	28	<0.92	<0.92	<0.92	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<0.91	<0.91	<0.91	<0.91	<3.6	<0.91	<0.91	<0.91	<0.91	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<0.91	<0.91	<0.91	<0.91	<3.6	<0.91	<0.91	<0.91	<0.91	<0.908	<0.908	<0.908
1,4-Dioxane	<0.72	<0.72	<0.72	<0.72	<2.9	<0.72	<0.72	<0.72	<0.72	<0.721	<0.721	<0.721
Ethanol	17	8.3	11	2.5	<4.8	66	1.8	14 M	1.4	204	5.09	45.8
Ethylbenzene	<0.87	1.3	4.1	<0.87	<3.5	6.5	<0.87	1.1	<0.87	0.986	<0.867	5.52
4-Ethyltoluene	<0.98	<0.98	<0.98	<0.98	4.9	1.7	<0.98	1.1	<0.98	<0.982	<0.982	5.84
Trichlorofluoromethane	1.6	<1.1	2.9	2.9	<4.5	2.7	4.2	2.7	2.1	2.15	1.45	1.25
Dichlorodifluoromethane	2.7	1.8	5.4	2.6	4.9	2.0	3.8	3.2	<0.99	2.16	1.69	1.74
1,1,2-Trichlorotrifluoroethane	<1.5	<1.5	<1.5	<1.5	<6.1	<1.5	<1.5	<1.5	<1.5	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	<1.4	<1.4	<1.4	<1.4	<5.6	<1.4	<1.4	<1.4	<1.4	<1.40	<1.40	<1.40
Heptane	<0.82	2.1	1.6	<0.82	<3.3	4.5	<0.82	1.1	<0.82	<0.818	<0.818	7.81
Hexachloro-1,3-butadiene	<6.7	<6.7	<6.7	<6.7	<27	<6.7	<6.7	<6.7	<6.7	<6.73	<6.73	<6.73
n-Hexane	<0.71	7.4	2.4	<0.71	<2.8	5.6	<0.71	1.5	<0.71	0.837	<0.705	9.70
Isopropylbenzene	<0.98	<0.98	<0.98	<0.98	<3.9	13	<0.98	<0.98	1.8	<0.983	<0.983	<0.983
Methylene Chloride	2.4	1.8	5.2	<0.69	3.0	2.2	<0.69	<0.69	1.9	<0.694	<0.694	<0.694
Methyl Butyl Ketone	5.3	<5.1	<5.1	<5.1	<20	<5.1	<5.1	<5.1	<5.1	<5.11	<5.11	<5.11
2-Butanone (MEK)	16	<3.7	8.6	<3.7	<15	23	<3.7	4.1	<3.7	<3.69	<3.69	3.88
4-Methyl-2-pentanone (MIBK)	9.4	<5.1	7.0	<5.1	<20	6.6	<5.1	<5.1	<5.1	<5.12	<5.12	<5.12
Methyl methacrylate	<0.82	<0.82	<0.82	<0.82	<3.3	1.9	<0.82	<0.82	<0.82	<0.819	<0.819	<0.819
MTBE	<0.72	<0.72	0.72	<0.72	<2.9	7.2	<0.72	<0.72	1.7	1.21	<0.721	<0.721
Naphthalene	<3.3	<3.3	<3.3	<3.3	<13	<3.3	<3.3	<3.3	<3.3	<3.30	<3.30	<3.30
2-Propanol	3.2	3.2	5.4	<3.1	<12	61	<3.1	<3.1	<3.1	6.06	<3.07	16.2
Propene	<0.69	<0.69	2.6	<0.69	<2.8	<0.69	<0.69	<0.69	<0.69	<0.689	<0.689	0.902
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	<0.85	<0.85	1.2	<0.85	<3.4	4.7	<0.85	<0.85	<0.85	<0.851	<0.851	2.55
1,1,2,2-Tetrachloroethane	<1.4	<1.4	<1.4	<1.4	<5.5	<1.4	<1.4	<1.4	<1.4	<1.37	<1.37	<1.37
Tetrachloroethylene	6,000	1,400	5,800	3,400	4,100	7,500	5,400	1,900	3,000	5,050	1.70	23.0
Tetrahydrofuran	1.1	<0.59	<0.59	<0.59	<2.4	2.0	<0.59	1.6	<0.59	<0.590	<0.590	2.12
Toluene	1.2	9.8	9.0	2.3	8.7	250	<0.75	5.3	<0.75	2.97	1.49	5.2
1,2,4-Trichlorobenzene	<4.7	<4.7	<4.7	<4.7	<19	<4.7	<4.7	<4.7	<4.7	<4.66	<4.66	<4.66
1,1,1-Trichloroethane	<1.1	<1.1	2.6	<1.1	<4.4	<1.1	1.3	<1.1	<1.1	<1.09	<1.09	<1.09
1,1,2-Trichloroethane	<1.1	<1.1	<1.1	<1.1	<4.4	<1.1	<1.1	<1.1	<1.1	<1.09	<1.09	<1.09
Trichloroethylene	1.1	<1.1	<1.1	<1.1	<4.3	1.3	2.5	<1.1	<1.1	<1.07	<1.07	<1.07
1,2,4-Trimethylbenzene	1.0	1.0	2.2	1.5	15	4.8	<0.98	3.9	<0.98	3.09	<0.982	5.94
1,3,5-Trimethylbenzene	<0.98	<0.98	<0.98	<0.98	5.4	1.8	<0.98	1.1	<0.98	<0.982	<0.982	1.83
2,2,4-Trimethylpentane	<0.93	<0.93	0.98	<0.93	<3.7	1.4	<0.93	<0.93	<0.93	<0.934	<0.934	18.7
Vinyl Chloride	<0.51	<0.51	<0.51	<0.51	<2.0	<0.51	<0.51	<0.51	<0.51	<0.511	<0.511	<0.511
Vinyl Bromide	<0.87	<0.87	<0.87	<0.87	<3.5	<0.87	<0.87	<0.87	<0.87	<0.875	<0.875	<0.875
Vinyl Acetate	<0.70	<0.70	<0.70	<0.70	<2.8	<0.70	<0.70	<0.70	<0.70	<0.704	<0.704	<0.704
m&p-Xylene	<1.7	5.2	15	1.8	<6.9	14	<1.7	8.7	<1.7	5.09	<1.73	18.8
o-Xylene	<0.87	2.3	6.1	1.1	<3.5	5.6	<0.87	3.3	<0.87	2.33	<0.867	6.65
TPHg	2,500	1,400	2,400	1,400	4,100	2,700	1,500	910	3,500	3,800	<207	570

See notes at end of table.

Table B-4
Soil Vapor Analytical Results – Commercial
Former Ellis Dry Cleaners

Sample Location	VP-C	VP-C	VP-C	VP-C	VP-C	VP-C	VP-C	VP-C	VP-C	VP-C	VP-C	VP-C
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5	5
Date	6/9/2016	9/12/2016	12/12/2016	3/30/2017	6/26/2017	9/29/2017	11/20/2017	2/8/2018	5/21/2018	8/3/2018	11/19/2018	3/18/2019
Acetone	7.58	< 2.97	16.5	4.19	4.21	<2.97	54.0	39.9	<2.97	3.02	<2.97	<2.97
Allyl Chloride	< 0.626	< 0.626	< 0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626
Benzene	1.12	< 0.639	< 0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639
Benzyl Chloride	< 1.04	< 1.04	< 1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04
Bromodichloromethane	< 1.34	< 1.34	< 1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34
Bromoform	< 6.21	< 6.21	< 6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21
Bromomethane	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776
1,3-Butadiene	< 4.43	< 4.43	< 4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43
Carbon Disulfide	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622
Carbon Tetrachloride	< 1.26	< 1.26	< 1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26
Chlorobenzene	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
Chloroethane	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528
Chloroform	<0.973	<0.973	<0.973	1.05	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973
Chloromethane	1.20	< 0.413	< 0.413	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413
2-Chlorotoluene	< 1.03	< 1.03	< 1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Cyclohexane	<0.689	<0.689	<0.689	<0.689	0.968	<0.689	2.33	<0.689	<0.689	<0.689	<0.689	<0.689
Dibromochloromethane	< 1.70	< 1.70	< 1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70
1,2-Dibromoethane	< 1.54	< 1.54	< 1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	< 1.20	< 1.20	< 1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,3-Dichlorobenzene	< 1.20	< 1.20	< 1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,4-Dichlorobenzene	< 1.20	< 1.20	< 1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dichloroethane	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810
1,1-Dichloroethane	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802
1,1-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
trans-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
1,2-Dichloropropane	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
1,4-Dioxane	<0.721	<0.721	1.62	<0.721	<0.721	<0.721	10.2	<0.721	<0.721	<0.721	<0.721	<0.721
Ethanol	20.9	6.6	3.10	1.55	8.12	<1.19	10.8	5.09	<1.19	4.37	1.53	4.66
Ethylbenzene	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	1.27	1.96	<0.867	<0.867	<0.867	<0.867
4-Ethyltoluene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982
Trichlorofluoromethane	1.58	1.52	1.57	1.45	1.83	1.65	1.38	1.68	1.46	1.63	1.72	1.38
Dichlorodifluoromethane	1.83	1.53	2.17	1.67	1.40	1.21	1.15	1.32	1.24	1.72	1.76	1.28
1,1,2-Trichlorotrifluoroethane	< 1.53	< 1.53	< 1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	< 1.40	< 1.40	< 1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Heptane	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818
Hexachloro-1,3-butadiene	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73
n-Hexane	0.94	<0.705	<0.705	<0.705	<0.705	<0.705	<0.705	1.61	<0.705	<0.705	<0.705	<0.705
Isopropylbenzene	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983
Methylene Chloride	0.75	<0.694	<0.694	<0.694	<0.694	<0.694	<0.694	<0.694	2.33	<0.694	<0.694	<0.694
Methyl Butyl Ketone	< 5.11	< 5.11	< 5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11
2-Butanone (MEK)	< 3.69	< 3.69	4.30	<3.69	<3.69	<3.69	10.5	<3.69	<3.69	<3.69	<3.69	<3.69
4-Methyl-2-pentanone (MIBK)	< 5.12	< 5.12	< 5.12	<5.12	<5.12	<5.12	17.7	<5.12	<5.12	<5.12	<5.12	<5.12
Methyl methacrylate	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819
MTBE	0.771	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Naphthalene	< 3.30	< 3.30	< 3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30
2-Propanol	< 3.07	< 3.07	6.62	<3.07	<3.07	<3.07	<3.07	38.6	<3.07	<3.07	<3.07	<3.07
Propene	1.17	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851
1,1,2,2-Tetrachloroethane	< 1.37	< 1.37	< 1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37
Tetrachloroethylene	229 M	2520	1760	809	1,180	1,230	1,210	558	832	849	1170	638
Tetrahydrofuran	<0.590	<0.590	0.993	<0.590	<0.590	<0.590	2.48	3.19	<0.590	<0.590	<0.590	0.640
Toluene	2.56	<0.753	<0.753	<0.753	<0.753	<0.753	<0.753	1.40	<0.753	<0.753	<0.753	<0.753
1,2,4-Trichlorobenzene	< 4.66	< 4.66	< 4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66
1,1,1-Trichloroethane	< 1.09	< 1.09	< 1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
1,1,2-Trichloroethane	< 1.09	< 1.09	< 1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
Trichloroethylene	< 1.07	< 1.07	< 1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07
1,2,4-Trimethylbenzene	<0.982	<0.982	2.24	<0.982	<0.982	<0.982	3.49	<0.982	<0.982	<0.982	<0.982	<0.982
1,3,5-Trimethylbenzene	<0.982	<0.982	1.05	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982
2,2,4-Trimethylpentane	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934
Vinyl Chloride	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511
Vinyl Bromide	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875
Vinyl Acetate	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704
m&p-Xylene	< 1.73	< 1.73	< 1.73	<1.73	<1.73	<1.73	8.89	7.83	<1.73	<1.73	<1.73	<1.73
o-Xylene	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	4.01	2.38	<0.867	<0.867	<0.867	<0.867
TPHg	< 207	1,090	921	732	877	724	794	643	712	799	767	884

See notes at end of table.

Table B-4
Soil Vapor Analytical Results – Commercial
Former Ellis Dry Cleaners

Sample Location	VP-C											
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5	5
Date	5/13/2019	8/19/2019	11/4/2019	2/24/2020	11/4/2020	8/31/2021	1/26/2022	7/18/2022	8/18/2022	1/18/2023	4/3/2023	8/22/2023
Acetone	7.2	4.13	<2.97	<2.97	<2.97	3.87	6.15	3.97	6.89	6.91	7.72	9.39
Allyl Chloride	<2.5	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626
Benzene	<0.5	<0.639	<0.639	<0.639	<0.639	<0.639	0.923	0.648	<0.639	0.984	0.731	<0.639
Benzyl Chloride	<4.1	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04
Bromodichloromethane	<2.1	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34
Bromoform	<8.1	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.52
Bromomethane	<1.2	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776
1,3-Butadiene	<0.7	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43
Carbon Disulfide	<0.98	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<1.24
Carbon Tetrachloride	<2	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26
Chlorobenzene	<1.5	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
Chloroethane	<0.83	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	1.31	<0.528	<0.528
Chloroform	<0.77	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973
Chloromethane	<0.65	<0.413	<0.413	<0.413	<0.413	0.944	1.03	1.24	1.20	<0.413	1.20	<0.413
2-Chlorotoluene	-	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Cyclohexane	<2.7	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689
Dibromochloromethane	<2.7	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70
1,2-Dibromoethane	<1.2	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	<1.9	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,3-Dichlorobenzene	<1.9	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,4-Dichlorobenzene	<4.7	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dichloroethane	<0.64	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810
1,1-Dichloroethane	<1.3	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802
1,1-Dichloroethene	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
trans-1,2-Dichloroethene	<1.2	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
1,2-Dichloropropane	<1.5	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<1.4	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<1.4	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
1,4-Dioxane	<5.7	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<2.27
Ethanol	<3	1.37	<1.19	<1.19	2.30	3.09 J+	<2.36	3.77	6.15	3.56	26.8	<4.71
Ethylbenzene	<1.4	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867
4-Ethyltoluene	<3.9	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982
Trichlorofluoromethane	<1.8	1.39	1.20	1.51	1.60	1.55	1.37	1.88	1.42	1.38	1.44	<1.12
Dichlorodifluoromethane	1.9	2.58	1.82	2.66	2.22	2.36	2.61	2.57	2.69	2.63	2.50	2.34
1,1,2-Trichlorotrifluoroethane	<2.4	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	<2.2	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Heptane	<1.3	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818
Hexachloro-1,3-butadiene	<8.4	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73
n-Hexane	<1.1	<0.705	<0.705	<0.705	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	2.69	<2.22
Isopropylbenzene	<3.9	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.382
Methylene Chloride	<5.5	<0.694	<0.694	<0.694	<0.694	<0.694	1.66	<0.694	<0.694	1.26	2.72	<0.340
Methyl Butyl Ketone	<6.4	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<0.544
2-Butanone (MEK)	<4.6	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69	3.83	<3.69	<3.69	<0.240
4-Methyl-2-pentanone (MIBK)	<6.4	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<0.313
Methyl methacrylate	<1.3	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.359
MTBE	<5.7	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.233
Naphthalene	<4.1	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<1.83
2-Propanol	<3.9	<3.07	<3.07	<3.07	<3.07	<3.07	<3.07	<3.07	<3.07	<3.07	3.79	<0.649
Propene	<0.54	<0.689	<0.689	<0.689	<0.689	<2.15	2.62 J+	<2.15	<2.15	<2.15	<2.15	<0.160
n-Propylbenzene	-	-	-	-	-	-	<0.982	<0.982	<0.982	<0.982	<0.982	<0.379
Styrene	<1.3	1.80	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	2.00	<0.851	<0.851	<0.335
1,1,2,2-Tetrachloroethane	<1.1	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37
Tetrachloroethylene	602	532	202	137	337	111	<1.36	20.9	<1.36	17.7	<1.36	265
Tetrahydrofuran	<0.93	<0.590	0.858	<0.590	<0.590	<0.590	<0.590	<0.590	11.3	<0.590	<0.590	<0.590
Toluene	<1.2	<0.753	<0.753	<0.753	<1.88	<1.88	2.28	<1.88	4.07	2.10	<1.88	<0.328
1,2,4-Trichlorobenzene	<11.7	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<1.10
1,1,1-Trichloroethane	<1.7	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<0.400
1,1,2-Trichloroethane	<0.86	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<0.422
Trichloroethylene	<0.85	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	5.18	<1.07	<0.364
1,2,4-Trimethylbenzene	<1.5	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.375
1,3,5-Trimethylbenzene	<1.5	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.382
2,2,4-Trimethylpentane	<3.7	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.621
Vinyl Chloride	<0.4	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.243
Vinyl Bromide	<1.4	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.373
Vinyl Acetate	<1.1	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704 UJ	<0.408
m&p-Xylene	<2.7	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<0.585
o-Xylene	<1.4	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.359
TPHg	871	608 J+	208	<826	<826	<826	<826	<826	<826	<826	<826	<164

See notes at end of table.

Table B-4
Soil Vapor Analytical Results – Commercial
Former Ellis Dry Cleaners

Sample Location	VP-C	VP-C	VP-C	VP-J	VP-J DUP	VP-J	VP-J DUP	VP-J	VP-J DUP	VP-J	VP-J	VP-J
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5.00	5.00	5.00
Date	12/20/2023	7/23/2024	7/16/2025	11/4/2013	11/4/2013	4/3/2014 ⁴	4/3/2014	5/12/2014	5/12/2014	6/9/2016	9/16/2016	3/30/2017
Acetone	<2.97	5.42	9.39	< 24	< 24	--	130	3,600	3,800	24.4	7.97	<2.97
Allyl Chloride	<0.626	<0.626	<0.626	< 5.0	< 5.0	--	< 3.1	< 50	< 50	< 0.626	< 0.626	<0.626
Benzene	<0.639	<0.639	<0.639	< 5.1	< 5.1	< 6.4	< 3.2	< 51	< 51	13.30	0.901	<0.639
Benzyl Chloride	<1.04	<1.04	<1.04	< 8.3	< 8.3	--	< 5.2	< 83	< 83	< 1.04	< 1.04	<1.04
Bromodichloromethane	<1.34	<1.34	<1.34	< 11	< 11	--	< 6.7	< 110	< 110	< 1.34	< 1.34	<1.34
Bromoform	<6.21	<6.21	<6.21	< 50	< 50	--	< 31	< 500	< 500	< 6.21	< 6.21	<6.21
Bromomethane	<0.776	<0.776	<0.776	< 6.2	< 6.2	--	< 3.9	< 62	< 62	< 0.776	< 0.776	<0.776
1,3-Butadiene	<4.43	<4.43	<4.43	< 35	< 35	--	< 22	< 350	< 350	< 4.43	< 4.43	<4.43
Carbon Disulfide	<0.622	<1.24	<1.24	20	18	--	< 3.1	140	130	< 0.622	< 0.622	3.26
Carbon Tetrachloride	<1.26	<1.26	<1.26	< 10	< 10	< 13	< 6.3	< 100	< 100	< 1.26	< 1.26	<1.26
Chlorobenzene	<0.924	<0.924	<0.924	< 7.4	< 7.4	--	< 4.6	< 74	< 74	< 0.924	< 0.924	<0.924
Chloroethane	<0.528	<0.528	<0.528	< 4.2	< 4.2	< 11	< 2.6	< 42	< 42	< 0.528	< 0.528	<0.528
Chloroform	<0.973	<0.973	<0.973	9.2	8.3	< 9.7	< 4.9	< 78	< 78	< 0.973	< 0.973	<0.973
Chloromethane	<0.413	<0.413	<0.413	< 3.3	< 3.3	< 6.2	< 2.1	< 33	< 33	< 0.413	< 0.413	<0.413
2-Chlorotoluene	<1.03	<1.03	<1.03	< 8.2	< 8.2	--	< 5.2	< 82	< 82	2.51	1.98	<1.03
Cyclohexane	<0.689	<0.689	<0.689	< 5.5	< 5.5	--	< 3.4	< 55	< 55	16	0.881	<0.689
Dibromochloromethane	<1.7	<1.70	<1.70	< 14	< 14	--	< 8.5	< 140	< 140	< 1.70	< 1.70	<1.7
1,2-Dibromoethane	<1.54	<1.54	<1.54	< 12	< 12	< 15	< 7.7	< 120	< 120	< 1.54	< 1.54	<1.54
1,2-Dichlorobenzene	<1.2	<1.20	<1.20	< 9.6	< 9.6	--	< 6.0	< 96	< 96	< 1.20	< 1.20	<1.2
1,3-Dichlorobenzene	<1.2	<1.20	<1.20	< 9.6	< 9.6	--	< 6.0	< 96	< 96	70.7	< 1.20	<1.2
1,4-Dichlorobenzene	<1.2	<1.20	<1.20	< 9.6	< 9.6	< 12	< 6.0	< 96	< 96	< 1.20	< 1.20	<1.2
1,2-Dichloroethane	<0.81	<0.810	<0.810	< 6.5	< 6.5	--	< 4.0	< 65	< 65	< 0.810	< 0.810	<0.81
1,1-Dichloroethane	<0.802	<0.802	<0.802	< 6.4	< 6.4	< 8.0	< 4.0	< 64	< 64	< 0.802	< 0.802	<0.802
1,1-Dichloroethene	<0.793	<0.793	<0.793	< 6.3	< 6.3	< 7.9	< 4.0	< 63	< 63	< 0.793	< 0.793	<0.793
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	< 6.3	< 6.3	< 7.9	< 4.0	< 63	< 63	< 0.793	< 0.793	<0.793
trans-1,2-Dichloroethene	1.72	<0.793	<0.793	< 6.3	< 6.3	< 7.9	< 4.0	< 63	< 63	< 0.793	< 0.793	<0.793
1,2-Dichloropropane	<0.924	<0.924	<0.924	< 7.4	< 7.4	< 14	< 4.6	< 74	< 74	< 0.924	< 0.924	<0.924
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	< 7.3	< 7.3	< 9.1	< 4.5	< 73	< 73	< 0.908	< 0.908	<0.908
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	< 7.3	< 7.3	< 14	< 4.5	< 73	< 73	< 0.908	< 0.908	<0.908
1,4-Dioxane	<2.27	<2.27	<2.27	< 5.8	< 5.8	--	< 3.6	< 58	< 58	< 0.721	< 0.721	<0.721
Ethanol	<4.71	<4.71	<4.71	11	< 9.5	--	120	1,500	1,700	39.8	24.9	3.87
Ethylbenzene	<0.867	<0.867	<0.867	< 6.9	< 6.9	22	< 4.3	< 69	< 69	6.18	1.47	<0.867
4-Ethyltoluene	<0.982	<0.982	<0.982	< 7.9	< 7.9	--	< 4.9	< 79	< 79	8.27	< 0.982	<0.982
Trichlorofluoromethane	1.55	1.29	1.29	< 9.0	< 9.0	--	< 5.6	< 90	< 90	1.49	1.30	1.52
Dichlorodifluoromethane	1.51	1.93	1.93	< 7.9	< 7.9	--	< 4.9	< 79	< 79	1.7	2.29	1.81
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<1.53	< 12	< 12	--	< 7.7	< 120	< 120	< 1.53	< 1.53	<1.53
1,2-Dichlorotetrafluoroethane	<1.4	<1.40	<1.40	< 11	< 11	--	< 7.0	< 110	< 110	< 1.40	< 1.40	<1.4
Heptane	<0.818	<0.818	<0.818	< 6.5	< 6.5	--	< 4.1	< 65	< 65	12.5	1.02	<0.818
Hexachloro-1,3-butadiene	<6.73	<6.73	<6.73	< 54	< 54	--	< 34	< 540	< 540	< 6.73	< 6.73	<6.73
n-Hexane	<2.22	<2.22	<2.22	< 5.6	< 5.6	--	< 3.5	530 M	3,400M	64.7	3.12	<0.705
Isopropylbenzene	<0.983	<0.983	<0.983	< 7.9	< 7.9	--	< 4.9	< 79	< 79	< 0.983	< 0.983	<0.983
Methylene Chloride	<0.694	<0.694	<0.694	< 5.6	< 5.6	--	< 3.5	59	73	< 0.694	< 0.694	<0.694
Methyl Butyl Ketone	<5.11	<5.11	<5.11	< 41	< 41	--	< 26	< 410	< 410	6.11	< 5.11	<5.11
2-Butanone (MEK)	<3.69	<3.69	<3.69	< 29	< 29	--	97	350	350	27.7	< 3.69	<3.69
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<5.12	< 41	< 41	--	57	< 410	< 410	< 5.12	< 5.12	<5.12
Methyl methacrylate	<0.819	<0.819	<0.819	< 6.6	< 6.6	--	< 4.1	70	82	< 0.819	< 0.819	<0.819
MTBE	<0.721	<0.721	<0.721	< 5.8	< 5.8	--	< 3.6	< 58	< 58	< 0.721	< 0.721	<0.721
Naphthalene	<3.3	<3.30	<3.30	< 26	< 26	--	< 16	< 260	< 260	< 3.30	< 3.30	<3.3
2-Propanol	<3.07	<3.07	<3.07	< 25	< 25	--	88	< 250	< 250	40.1	8.82	<3.07
Propene	<2.15	<2.15	<2.15	13	14	--	< 3.4	< 55	< 55	0.975	< 0.689	<0.689
n-Propylbenzene	<0.982	<0.982	<0.982	--	--	--	--	--	--	--	--	--
Styrene	<0.851	<1.70	<1.70	< 6.8	< 6.8	--	< 4.3	< 68	< 68	< 0.851	1.15	<0.851
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<1.37	< 11	< 11	< 14	< 6.9	< 110	< 110	< 1.37	< 1.37	<1.37
Tetrachloroethylene	221	197	265	81,000	67,000	1,100	1,900	120,000	140,000	9.85 M	36.9	12.6
Tetrahydrofuran	<0.59	<0.590	<0.590	< 4.7	< 4.7	--	32	< 47	< 47	17	1.57	<0.59
Toluene	3.30	<1.88	<1.88	< 6.0	< 6.0	--	14	900	1,100	23.7	5.08	<0.753
1,2,4-Trichlorobenzene	<4.66	<4.66	<4.66	< 37	< 37	--	< 23	< 370	< 370	< 4.66	< 4.66	<4.66
1,1,1-Trichloroethane	<1.09	<1.09	<1.09	< 8.7	< 8.7	< 11	< 5.4	< 87	< 87	< 1.09	< 1.09	<1.09
1,1,2-Trichloroethane	<1.09	<1.09	<1.09	< 8.7	< 8.7	< 16	< 5.4	< 87	< 87	< 1.09	< 1.09	<1.09
Trichloroethylene	<1.07	<1.07	<1.07	110	110	12	5.9	96	91	< 1.07	< 1.07	<1.07
1,2,4-Trimethylbenzene	<0.982	<0.982	<0.982	< 7.9	< 7.9	--	9.8	< 79	< 79	9.05	1.59	<0.982
1,3,5-Trimethylbenzene	<0.982	<0.982	<0.982	< 7.9	< 7.9	--	< 4.9	< 79	< 79	2.87	< 0.982	<0.982
2,2,4-Trimethylpentane	<0.934	<0.934	<0.934	< 7.5	< 7.5	--	< 4.7	< 75	< 75	29.1	< 0.934	<0.934
Vinyl Chloride	<0.511	<0.511	<0.511	< 4.1	< 4.1	< 5.1	< 2.6	< 41	< 41	< 0.511	< 0.511	<0.511
Vinyl Bromide	<0.875	<0.875	<0.875	< 7.0	< 7.0	--	< 4.4	< 70	< 70	< 0.875	< 0.875	<0.875
Vinyl Acetate	<2.22	<2.22	<2.22	< 5.6	< 5.6	< 7.0	< 3.5	< 56	< 56	< 0.704	< 0.704	<0.704
m&p-Xylene	<1.73	<1.73	<1.73	< 14	< 14	--	12	< 140	< 140	23.4	5.09	<1.73
o-Xylene	<0.867	<0.867	<0.867	< 6.9	< 6.9	--	4.8	< 69	< 69	7.81	1.71	<0.867
TPHg	<826	<826	<826	15,000	15,000	--	1,700	74,000	74,000	1,040	208	475

See notes at end of table.

Table B-4
Soil Vapor Analytical Results – Commercial
Former Ellis Dry Cleaners

Sample Location	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5	5
Date	9/29/2017	11/20/2017	2/8/2018	5/21/2018	8/3/2018	11/19/2018	3/19/2019	5/13/2019	8/19/2019	11/4/2019	2/25/2020	11/4/2020
Acetone	<2.97	22.8	43.2	<2.97	<2.97	<2.97	<2.97	95.6	<2.97	<2.97	5.32	6.46
Allyl Chloride	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<2.3	<0.626	<0.626	<0.626	<0.626
Benzene	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.47	<0.639	<0.639	<0.639	<0.639
Benzyl Chloride	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<3.8	<1.04	<1.04	<1.04	<1.04
Bromodichloromethane	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<2	<1.34	<1.34	<1.34	<1.34
Bromoform	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<7.6	<6.21	<6.21	<6.21	<6.21
Bromomethane	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<1.1	<0.776	<0.776	<0.776	<0.776
1,3-Butadiene	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<0.65	<4.43	<4.43	<4.43	<4.43
Carbon Disulfide	<0.622	<0.622	<0.622	<0.622	1.66	<0.622	<0.622	<0.91	<0.622	<0.622	<0.622	<0.622
Carbon Tetrachloride	<1.26	<1.26	<1.26	<1.26	<1.26	4.4	<1.26	<1.8	<1.26	<1.26	<1.26	<1.26
Chlorobenzene	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<1.3	<0.924	<0.924	<0.924	<0.924
Chloroethane	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.77	<0.528	<0.528	<0.528	<0.528
Chloroform	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.71	<0.973	<0.973	<0.973	<0.973
Chloromethane	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413	<0.6	<0.413	<0.413	<0.413	<0.413
2-Chlorotoluene	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	--	<1.03	<1.03	<1.03	<1.03
Cyclohexane	<0.689	2.41	<0.689	<0.689	<0.689	<0.689	<0.689	<2.5	<0.689	<0.689	<0.689	<0.689
Dibromochloromethane	<1.70	<1.7	<1.7	<1.70	<1.70	<1.70	<1.70	<2.5	<1.70	<1.70	<1.70	<1.70
1,2-Dibromoethane	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.1	<1.54	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	<1.20	<1.2	<1.2	<1.20	<1.20	<1.20	<1.20	<1.8	<1.20	<1.20	<1.20	<1.20
1,3-Dichlorobenzene	<1.20	<1.2	<1.2	<1.20	<1.20	<1.20	<1.20	<1.8	<1.20	<1.20	<1.20	<1.20
1,4-Dichlorobenzene	<1.20	<1.2	<1.2	<1.20	<1.20	<1.20	<1.20	<4.4	<1.20	<1.20	<1.20	<1.20
1,2-Dichloroethane	<0.810	<0.81	<0.81	<0.810	<0.810	<0.810	<0.810	<0.59	<0.810	<0.810	<0.810	<0.810
1,1-Dichloroethane	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<1.2	<0.802	<0.802	<0.802	<0.802
1,1-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<1.2	<0.793	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	1.46	<0.793	<1.2	<0.793	<0.793	<0.793	<0.793
trans-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<1.2	<0.793	<0.793	<0.793	<0.793
1,2-Dichloropropane	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<1.4	<0.924	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<1.3	<0.908	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<1.3	<0.908	<0.908	<0.908	<0.908
1,4-Dioxane	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<5.3	<0.721	<0.721	<0.721	<0.721
Ethanol	<1.19	2.12	2.27	3.93	<1.19	3.16	2.43	20.3	<1.19	3.62	4.30	3.81
Ethylbenzene	<0.867	<0.867	1.90	<0.867	<0.867	<0.867	<0.867	<1.3	<0.867	<0.867	<0.867	<0.867
4-Ethyltoluene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<3.6	<0.982	<0.982	<0.982	<0.982
Trichlorofluoromethane	1.30	1.17	1.58	1.29	1.44	6.66	1.25	<1.6	1.33	1.19	1.51	1.58
Dichlorodifluoromethane	1.88	1.45	1.35	1.48	1.94	13.2	1.36	2.1	2.56	2.04	<0.989	2.66
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<2.2	<1.53	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	<1.40	<1.4	<1.4	<1.40	<1.40	<1.40	<1.40	<2	<1.40	<1.40	<1.40	<1.40
Heptane	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<1.2	<0.818	<0.818	<0.818	<0.818
Hexachloro-1,3-butadiene	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<7.8	<6.73	<6.73	<6.73	<6.73
n-Hexane	<0.705	<0.705	1.88	<0.705	<0.705	<0.705	<0.705	<1	<0.705	1.04	<0.705	<2.22
Isopropylbenzene	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<3.6	<0.983	<0.983	<0.983	<0.983
Methylene Chloride	<0.694	<0.694	<0.694	1.17	<0.694	0.77	<0.694	9.2	<0.694	0.92	<0.694	<0.694
Methyl Butyl Ketone	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<6	<5.11	<5.11	<5.11	<5.11
2-Butanone (MEK)	<3.69	5.70	<3.69	<3.69	<3.69	<3.69	<3.69	18.2	<3.69	<3.69	<3.69	<3.69
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<6	<5.12	<5.12	<5.12	<5.12
Methyl methacrylate	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<1.2	<0.819	<0.819	<0.819	<0.819
MTBE	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<5.3	<0.721	<0.721	<0.721	<0.721
Naphthalene	<3.30	<3.3	<3.3	<3.30	<3.30	<3.30	<3.30	<3.8	<3.30	<3.30	<3.30	<3.30
2-Propanol	<3.07	<3.07	39.7	<3.07	<3.07	<3.07	<3.07	6.7	<3.07	<3.07	<3.07	<3.07
Propene	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.5	<0.689	<0.689	<0.689	<0.689
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<1.2	0.974	<0.851	<0.851	<0.851
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1	<1.37	<1.37	<1.37	<1.37
Tetrachloroethylene	32.0	3.09	8.16	6.52	67.8	3.910	19.1	23.6	31.1	23.0	4.58	330
Tetrahydrofuran	<0.590	<0.59	3.04	<0.590	1.44	<0.590	1.34	1.5	<0.590	<0.590	<0.590	<0.590
Toluene	<0.753	<0.753	1.92	<0.753	<0.753	<0.753	<0.753	1.5	<0.753	<0.753	<0.753	<1.88
1,2,4-Trichlorobenzene	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<10.9	<4.66	<4.66	<4.66	<4.66
1,1,1-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<1.09	1.92	<1.09	<1.6	<1.09	<1.09	<1.09	<1.09
1,1,2-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<0.8	<1.09	<1.09	<1.09	<1.09
Trichloroethylene	<1.07	<1.07	<1.07	<1.07	<1.07	4.09	<1.07	<0.79	<1.07	<1.07	<1.07	<1.07
1,2,4-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<1.4	<0.982	<0.982	<0.982	<0.982
1,3,5-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<1.4	<0.982	<0.982	<0.982	<0.982
2,2,4-Trimethylpentane	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<3.4	<0.934	<0.934	<0.934	<0.934
Vinyl Chloride	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.37	<0.511	<0.511	<0.511	<0.511
Vinyl Bromide	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<1.3	<0.875	<0.875	<0.875	<0.875
Vinyl Acetate	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<1	<0.704	<0.704	<0.704	<0.704
m&p-Xylene	<1.73	<1.73	6.97	<1.73	<1.73	<1.73	<1.73	<2.5	<1.73	<1.73	<1.73	<1.73
o-Xylene	<0.867	<0.867	2.55	<0.867	<0.867	<0.867	<0.867	<1.3	<0.867	<0.867	<0.867	<0.867
TPHg	257	312	4,480	<207	<207	1,600	<207	1,130	<207	<207	<826	<826

See notes at end of table.

Table B-4
Soil Vapor Analytical Results – Commercial
Former Ellis Dry Cleaners

Sample Location	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	
Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	10	10	10
Date	8/31/2021	1/26/2022	7/18/2022	8/18/2022	1/18/2023	4/3/2023	12/20/2023	7/23/2024	7/16/2025	11/4/2013	4/3/2014 ^a	5/12/2014	
Acetone	<2.97	<2.97	4.51	<2.97	<2.97	3.33	<2.97	18.5	3.94	< 59	--	10,000	
Allyl Chloride	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	< 13	--	< 50	
Benzene	<0.639	<0.639	<0.639	<0.639	0.668	<0.639	<0.639	<0.639	<0.639	< 13	< 26	< 51	
Benzyl Chloride	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	< 21	--	< 83	
Bromodichloromethane	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	< 27	--	< 110	
Bromoform	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.52	< 120	--	< 500	
Bromomethane	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	< 16	--	< 62	
1,3-Butadiene	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	< 89	--	< 350	
Carbon Disulfide	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<1.24	<1.24	< 12	--	160	
Carbon Tetrachloride	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	< 25	< 50	< 100	
Chlorobenzene	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	< 18	--	< 74	
Chloroethane	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	< 11	< 42	< 42	
Chloroform	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	< 19	< 39	< 78	
Chloromethane	<0.413	<0.413	<0.413	<0.413	0.698	<0.413	<0.413	<0.413	<0.413	< 8.3	< 25	< 33	
2-Chlorotoluene	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	< 21	--	< 82	
Cyclohexane	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	< 14	--	< 55	
Dibromochloromethane	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	< 34	--	< 140	
1,2-Dibromoethane	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	< 31	< 62	< 120	
1,2-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	< 24	--	< 96	
1,3-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	< 24	--	< 96	
1,4-Dichlorobenzene	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	< 24	< 48	< 96	
1,2-Dichloroethane	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	< 16	--	< 65	
1,1-Dichloroethane	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	< 16	< 32	< 64	
1,1-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	< 16	< 32	< 63	
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	< 16	< 32	< 63	
trans-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.924	<0.793	<0.793	<0.793	<0.793	< 16	< 32	< 63	
1,2-Dichloropropane	<0.924	<0.924	<0.924	<0.924	<0.908	<0.924	<0.924	<0.924	<0.924	< 18	< 55	< 74	
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	< 18	< 36	< 73	
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.721	<0.908	<0.908	<0.908	<0.908	< 18	< 54	< 73	
1,4-Dioxane	<0.721	<0.721	<0.721	<0.721	<2.36	<0.721	<2.27	<2.27	<2.27	< 14	--	< 58	
Ethanol	<2.36	<2.36	37.0	<2.36	53.7	<4.71	10.1	<4.71	<4.71	< 24	--	1,800	
Ethylbenzene	<0.867	<0.867	<0.867	<0.867	<0.982	<0.867	<0.867	<0.867	<0.867	< 17	< 52	< 69	
4-Ethyltoluene	<0.982	<0.982	<0.982	<0.982	<1.12	<0.982	<0.982	<0.982	<0.982	< 20	--	< 79	
Trichlorofluoromethane	1.58	1.30	1.75	1.38	1.65	2.66	1.45	<1.12	1.25	< 22	--	< 90	
Dichlorodifluoromethane	2.83	2.60	2.46	2.41	7.67	25.1	1.83	2.40	2.81	< 20	--	< 79	
1,1,2-Trichlorotrifluoroethane	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	< 31	--	< 120	
1,2-Dichlorotetrafluoroethane	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	< 28	--	< 110	
Heptane	<0.818	<0.818	<0.818	<0.818	1.66	<0.818	<0.818	<0.818	<0.818	< 16	--	< 65	
Hexachloro-1,3-butadiene	<6.73	<6.73	<6.73	<6.73	<2.22	<6.73	<6.73	<6.73	<6.73	< 130	--	< 540	
n-Hexane	<2.22	<2.22	<2.22	<2.22	7.47	<2.22	<2.22	<2.22	<2.22	< 14	--	1,800	
Isopropylbenzene	<0.983	<0.983	<0.983	<0.983	<0.694	<0.983	<0.983	<0.983	<0.983	< 20	--	< 79	
Methylene Chloride	<0.694	<0.694	2.58	<0.694	15.2	<0.694	1.21	<0.694	<0.694	< 14	--	76	
Methyl Butyl Ketone	<5.11	<5.11	<5.11	<5.11	<3.69	<5.11	<5.11	<5.11	<5.11	< 100	--	< 410	
2-Butanone (MEK)	<3.69	<3.69	<3.69	<3.69	<5.12	<3.69	<3.69	<3.69	<3.69	< 74	--	380	
4-Methyl-2-pentanone (MIBK)	<5.12	<5.12	<5.12	<5.12	<0.819	<5.12	<5.12	<5.12	<5.12	< 100	--	< 410	
Methyl methacrylate	<0.819	<0.819	<0.819	<0.819	<0.721	<0.819	<0.819	<0.819	<0.819	< 16	--	98	
MTBE	<0.721	<0.721	<0.721	<0.721	<3.30	<0.721	<0.721	<0.721	<0.721	< 14	--	< 58	
Naphthalene	<3.30	<3.30	<3.30	<3.30	<3.07	<3.30	<3.30	<3.30	<3.30	< 66	--	< 260	
2-Propanol	<3.07	<3.07	3.44	<3.07	5.75	<3.07	<3.07	<3.07	<3.07	< 61	--	< 250	
Propene	<2.15	<2.15	<2.15	<2.15	<0.982	<2.15	<2.15	<2.15	<2.15	16	--	< 55	
n-Propylbenzene	--	<0.982	<0.982	<0.982	<0.851	<0.982	<0.982	<0.982	<0.982	--	--	--	
Styrene	<0.851	<0.851	<0.851	1.08	<1.37	<0.851	<0.851	<1.70	<1.70	< 17	--	< 68	
1,1,2,2-Tetrachloroethane	<1.37	<1.37	<1.37	<1.37	<1.36	<1.37	<1.37	<1.37	<1.37	< 27	< 55	< 110	
Tetrachloroethylene	25.5	10.8	47.3	46.4	445	876	3.84	5.87	19.6	120,000	49,000	240,000	
Tetrahydrofuran	<0.590	<0.590	<0.590	<0.590	<1.88	<0.590	<0.590	<0.590	<0.590	< 12	--	< 47	
Toluene	<1.88	<1.88	<1.88	<1.88	3.54	<1.88	<1.88	<1.88	<1.88	< 15	--	1,100	
1,2,4-Trichlorobenzene	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	< 93	--	< 370	
1,1,1-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	< 22	< 44	< 87	
1,1,2-Trichloroethane	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	< 22	< 65	< 87	
Trichloroethylene	1.25	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	91	< 43	170	
1,2,4-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	< 20	--	< 79	
1,3,5-Trimethylbenzene	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	< 20	--	< 79	
2,2,4-Trimethylpentane	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	< 19	--	< 75	
Vinyl Chloride	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	< 10	< 20	< 41	
Vinyl Bromide	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	< 17	--	< 70	
Vinyl Acetate	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704 UJ	<2.22	<2.22	<2.22	< 14	< 28	< 56	
m&p-Xylene	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	< 35	--	< 140	
o-Xylene	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	< 17	--	< 69	
TPHg	<826	<826	<826	<826	<826	983	<826	<826	<826	31,000	--	110,000	

See notes at end of table.

Table B-4
Soil Vapor Analytical Results – Commercial
Former Ellis Dry Cleaners

Sample Location	VP-J	VP-J	VP-J	VP-J DUP	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J
Depth (ft bgs)	15	15	15	15	15	15	15	15	15	15	15	15
Date	6/9/2016	9/16/2016	12/12/2016	12/12/2016	3/30/2017	9/29/2017	11/20/2017	2/8/2018	5/21/2018	8/3/2018	11/19/2018	3/19/2019
Acetone	8.77	15.4	16.7	9.62	<2.97	7.58	4.48	31.2	<2.97	<2.97	12.1	4.03
Allyl Chloride	< 0.626	< 0.626	< 0.626	< 0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626
Benzene	2.42	1.16	< 0.639	< 0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	1.06	<0.639
Benzyl Chloride	< 1.04	< 1.04	< 1.04	< 1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04
Bromodichloromethane	< 1.34	< 1.34	< 1.34	< 1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34
Bromoform	< 6.21	< 6.21	< 6.21	< 6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21
Bromomethane	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776
1,3-Butadiene	< 4.43	< 4.43	< 4.43	< 4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43
Carbon Disulfide	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	2.58	<0.622	<0.622
Carbon Tetrachloride	< 1.26	< 1.26	< 1.26	< 1.26	4.65	<1.26	<1.26	<1.26	<1.26	1.52	<1.26	<1.26
Chlorobenzene	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
Chloroethane	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528
Chloroform	<0.973	17.8	1.30	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973
Chloromethane	0.948	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413	<0.413
2-Chlorotoluene	< 1.03	2.23	< 1.03	< 1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Cyclohexane	<0.689	0.976	<0.689	<0.689	<0.689	<0.689	2.46	<0.689	<0.689	<0.689	0.967	<0.689
Dibromochloromethane	< 1.70	< 1.70	< 1.70	< 1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70
1,2-Dibromoethane	< 1.54	< 1.54	< 1.54	< 1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	< 1.20	< 1.20	< 1.20	< 1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,3-Dichlorobenzene	84.5	< 1.20	1.35	< 1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	10.6	<1.20
1,4-Dichlorobenzene	< 1.20	< 1.20	< 1.20	< 1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dichloroethane	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810
1,1-Dichloroethane	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802
1,1-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	1.94	<0.793	<0.793	1.08	<0.793	<0.793	<0.793	<0.793
trans-1,2-Dichloroethene	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
1,2-Dichloropropane	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
1,4-Dioxane	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Ethanol	16	56.5	2.05	1.42 M	2.00	22.9	<1.19	2.21	1.30	<1.19	25.00	2.49
Ethylbenzene	3.25	1.68	<0.867	<0.867	<0.867	<0.867	<0.867	1.55	<0.867	<0.867	1.72	<0.867
4-Ethyltoluene	1.7	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	3.5	<0.982
Trichlorofluoromethane	1.35	1.83	1.78	1.35	5.27	1.92	1.97	2.31	1.43	3.97	1.8	2.14
Dichlorodifluoromethane	1.83	4.31	4.9	2.59	11.6	3.25	4.45	3.62	1.71	11.7	3.05	4.05
1,1,2-Trichlorotrifluoroethane	< 1.53	< 1.53	< 1.53	< 1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	< 1.40	< 1.40	< 1.40	< 1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Heptane	2.72	0.969	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	1.49	<0.818
Hexachloro-1,3-butadiene	< 6.73	< 6.73	< 6.73	< 6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73
n-Hexane	3.54	4.13	<0.705	<0.705	<0.705	<0.705	<0.705	2.07	<0.705	<0.705	3.26	<0.705
Isopropylbenzene	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983
Methylene Chloride	0.813	<0.694	<0.694	<0.694	<0.694	<0.694	<0.694	<0.694	<0.694	<0.694	3.47	<0.694
Methyl Butyl Ketone	< 5.11	< 5.11	< 5.11	< 5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11
2-Butanone (MEK)	7.53	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69	7.32	<3.69
4-Methyl-2-pentanone (MIBK)	< 5.12	< 5.12	< 5.12	< 5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12
Methyl methacrylate	0.927	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819
MTBE	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Naphthalene	< 3.30	< 3.30	< 3.30	< 3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30
2-Propanol	16.7	7.44	< 3.07	< 3.07	<3.07	<3.07	<3.07	37.2	<3.07	<3.07	6.34	<3.07
Propene	<0.689	0.762	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	1.11	0.95	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851
1,1,2,2-Tetrachloroethane	< 1.37	< 1.37	< 1.37	< 1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37
Tetrachloroethylene	109 M	325	340	278 M	3,480	1,240	695	1,810	339	1,010	262	950
Tetrahydrofuran	25.2	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	2.93	<0.590	<0.590	13.7	<0.590
Toluene	17	5.32	<0.753	<0.753	<0.753	<0.753	<0.753	1.64	<0.753	<0.753	6.58	<0.753
1,2,4-Trichlorobenzene	< 4.66	< 4.66	< 4.66	< 4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66
1,1,1-Trichloroethane	< 1.09	< 1.09	< 1.09	< 1.09	2.20	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
1,1,2-Trichloroethane	< 1.09	< 1.09	< 1.09	< 1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
Trichloroethylene	< 1.07	< 1.07	< 1.07	< 1.07	2.62	2.10	<1.07	1.79	<1.07	<1.07	<1.07	1.24
1,2,4-Trimethylbenzene	6.02	1.61	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	4.59	<0.982
1,3,5-Trimethylbenzene	1.7	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	1.34	<0.982
2,2,4-Trimethylpentane	1.99	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934
Vinyl Chloride	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511
Vinyl Bromide	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875
Vinyl Acetate	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704
m&p-Xylene	14.1	6.13	<1.73	<1.73	<1.73	<1.73	<1.73	6.36	<1.73	<1.73	7.07	<1.73
o-Xylene	4.89	1.99	<0.867	<0.867	<0.867	<0.867	<0.867	2.02	<0.867	<0.867	2.96	<0.867
TPHg	495	511	1,270	651	2,060	812	575	2,220	431 J+	1,010	467	1,580

See notes at end of table.

Table B-4
Soil Vapor Analytical Results – Commercial
Former Ellis Dry Cleaners

Sample Location	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J	VP-J
Depth (ft bgs)	15	15	15	15	15	15	15	15	15	15	15
Date	5/13/2019	8/19/2019	11/4/2019	2/25/2020	11/4/2020	8/31/2021	1/26/2022	7/18/2022	8/18/2022	1/18/2023	4/3/2023
Acetone	<3.5	<59.4	7.82	<2.97	<2.97	<2.97	<2.97	<2.97	3.18	<2.97	3.59
Allyl Chloride	<2.3	<12.5	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626
Benzene	<0.47	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639	<0.639
Benzyl Chloride	<3.8	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04	<1.04
Bromodichloromethane	<2	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34	<1.34
Bromoform	<7.6	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21	<6.21
Bromomethane	<1.1	<15.5	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776	<0.776
1,3-Butadiene	<0.65	<88.5	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43	<4.43
Carbon Disulfide	<0.91	<12.4	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622	<0.622
Carbon Tetrachloride	<1.8	<25.2	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26	<1.26
Chlorobenzene	<1.3	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
Chloroethane	<0.77	<10.6	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528	<0.528
Chloroform	<0.71	<19.5	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973	<0.973
Chloromethane	<0.6	<8.26	<0.413	<0.413	<0.413	0.551	<0.413	<0.413	<0.413	<0.413	<0.413
2-Chlorotoluene	-	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Cyclohexane	<2.5	<13.8	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689	<0.689
Dibromochloromethane	<2.5	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70
1,2-Dibromoethane	<1.1	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	<1.8	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,3-Dichlorobenzene	<1.8	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,4-Dichlorobenzene	<4.4	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-Dichloroethane	<0.59	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810
1,1-Dichloroethane	<1.2	<16.0	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802	<0.802
1,1-Dichloroethene	<1.2	<15.9	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<1.2	<15.9	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
trans-1,2-Dichloroethene	<1.2	<15.9	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793
1,2-Dichloropropane	<1.4	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<1.3	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<1.3	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908	<0.908
1,4-Dioxane	<5.3	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Ethanol	<2.8	<23.8	17.10	<1.19	5.86	<2.36	<2.36	<2.36	<2.36	10.5	6.09 J+
Ethylbenzene	<1.3	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867
4-Ethyltoluene	<3.6	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982
Trichlorofluoromethane	<1.6	<22.5	1.20	1.54	1.84	1.48	<1.12	2.13	1.58	1.44	1.55
Dichlorodifluoromethane	2.1	<19.8	2.04	<0.989	4.35	2.75	2.83	2.54	2.18	3.91	5.14
1,1,2-Trichlorotrifluoroethane	<2.2	<30.7	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	<2	<28.0	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40
Heptane	<1.2	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818	<0.818
Hexachloro-1,3-butadiene	<7.8	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73	<6.73
n-Hexane	<1	<14.1	1.57	<0.705	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22	<2.22
Isopropylbenzene	<3.6	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983	<0.983
Methylene Chloride	<5.1	<13.9	1.50	<0.694	<0.694	<0.694	<0.694	<0.694	<0.694	3.09	<0.694
Methyl Butyl Ketone	<6	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11	<5.11
2-Butanone (MEK)	<4.3	<73.7	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69	<3.69
4-Methyl-2-pentanone (MIBK)	<6	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12	<5.12
Methyl methacrylate	<1.2	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819	<0.819
MTBE	<5.3	<14.4	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721	<0.721
Naphthalene	<3.8	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30	<3.30
2-Propanol	<3.6	<61.5	<3.07	<3.07	<3.07	<3.07	<3.07	<3.07	<3.07	<3.07	<3.07
Propene	<0.5	<13.8	<0.689	<0.689	<0.689	<2.15	<2.15	<2.15	<2.15	<2.15	<2.15
n-Propylbenzene	-	-	-	-	-	-	<0.982	<0.982	<0.982	<0.982	<0.982
Styrene	<1.2	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	<0.851	1.32	<0.851	<0.851
1,1,2,2-Tetrachloroethane	<1	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.37	<1.30	<1.37
Tetrachloroethylene	460	3,300	565	315	1,030	1,390	747	602	1,040	70.6	91.7
Tetrahydrofuran	<0.86	<11.8	1.36	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590	<0.590
Toluene	<1.1	<0.753	1.07	<0.753	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88	<1.88
1,2,4-Trichlorobenzene	<10.9	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66	<4.66
1,1,1-Trichloroethane	<1.6	<21.8	<1.09	<1.09	<1.09	1.19	<1.09	<1.09	<1.09	<1.09	<1.09
1,1,2-Trichloroethane	<0.8	<1.09	<1.09	<1.09	10.4	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09
Trichloroethylene	<0.79	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07
1,2,4-Trimethylbenzene	<1.4	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982
1,3,5-Trimethylbenzene	<1.4	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982	<0.982
2,2,4-Trimethylpentane	<3.4	<18.7	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934	<0.934
Vinyl Chloride	<0.37	<10.2	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511	<0.511
Vinyl Bromide	<1.3	<17.5	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875	<0.875
Vinyl Acetate	<1	<14.1	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704	<0.704 UJ
m&p-Xylene	<2.5	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73	<1.73
o-Xylene	<1.3	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867	<0.867
TPHg	653	1,920	541	<826	<4,130	1,960 J+	938	913	1,450	<826	<826

See notes at end of table.

Table B-4
Soil Vapor Analytical Results – Commercial
Former Ellis Dry Cleaners

Sample Location	VP-J	VP-J (15)	VP-J (15)	VP-J (15)
Depth (ft bgs)	15	15	15	15
Date	8/22/2023	12/20/2023	7/23/2024	7/16/2025
Acetone	4.49	<2.97	5.68	5.68
Allyl Chloride	<0.357	<0.626	<0.626	<0.626
Benzene	<0.228	<0.639	<0.639	<0.639
Benzyl Chloride	<0.311	<1.04	<1.04	<1.04
Bromodichloromethane	<0.471	<1.34	<1.34	<1.34
Bromoform	<0.757	<6.21	<6.21	<6.52
Bromomethane	<0.381	<0.776	<0.776	<0.776
1,3-Butadiene	<0.230	<4.43	<4.43	<4.43
Carbon Disulfide	<0.317	1.29	<1.24	<1.24
Carbon Tetrachloride	<0.461	<1.26	<1.26	<1.26
Chlorobenzene	<0.385	<0.924	<0.924	<0.924
Chloroethane	<0.263	<0.528	<0.528	<0.528
Chloroform	<0.349	<0.973	<0.973	<0.973
Chloromethane	<0.213	<0.413	<0.413	<0.413
2-Chlorotoluene	<0.427	<1.03	<1.03	<1.03
Cyclohexane	<0.259	<0.689	<0.689	<0.689
Dibromochloromethane	<0.618	<1.7	<1.70	<1.70
1,2-Dibromoethane	<0.554	<1.54	<1.54	<1.54
1,2-Dichlorobenzene	<0.770	<1.2	<1.20	<1.20
1,3-Dichlorobenzene	<1.09	<1.2	<1.20	<1.20
1,4-Dichlorobenzene	<0.335	<1.2	<1.20	<1.20
1,2-Dichloroethane	<0.283	<0.81	<0.810	<0.810
1,1-Dichloroethane	<0.290	<0.802	<0.802	<0.802
1,1-Dichloroethene	<0.302	<0.793	<0.793	<0.793
cis-1,2-Dichloroethene	<0.311	<0.793	<0.793	<0.793
trans-1,2-Dichloroethene	<0.267	<0.793	<0.793	<0.793
1,2-Dichloropropane	<0.351	<0.924	<0.924	<0.924
cis-1,3-Dichloropropene	<0.313	<0.908	<0.908	<0.908
trans-1,3-Dichloropropene	<0.331	<0.908	<0.908	<0.908
1,4-Dioxane	<0.300	<2.27	<2.27	<2.27
Ethanol	19.0	<4.71	<4.71	<4.71
Ethylbenzene	<0.362	<0.867	<0.867	<0.867
4-Ethyltoluene	<0.384	<0.982	<0.982	<0.982
Trichlorofluoromethane	1.15	1.12	1.50	1.71
Dichlorodifluoromethane	1.80	2.08	8.36	11.1
1,1,2-Trichlorotrifluoroethane	<0.608	<1.53	<1.53	<1.53
1,2-Dichlorotetrafluoroethane	<0.622	<1.4	<1.40	<1.40
Heptane	<0.425	<0.818	<0.818	<0.818
Hexachloro-1,3-butadiene	<1.12	<6.73	<6.73	<6.73
n-Hexane	<0.726	<2.22	<2.22	<2.22
Isopropylbenzene	<0.382	<0.983	<0.983	<0.983
Methylene Chloride	2.27	<0.694	<0.694	<0.694
Methyl Butyl Ketone	<0.544	<5.11	<5.11	<5.11
2-Butanone (MEK)	<0.240	<3.69	<3.69	<3.69
4-Methyl-2-pentanone (MIBK)	<0.313	<5.12	<5.12	<5.12
Methyl methacrylate	<0.359	<0.819	<0.819	<0.819
MTBE	<0.233	<0.721	<0.721	<0.721
Naphthalene	5.24	<3.3	<3.30	<3.30
2-Propanol	4.38	<3.07	<3.07	<3.07
Propene	<0.160	<2.15	<2.15	<2.15
n-Propylbenzene	<0.379	<0.982	<0.982	<0.982
Styrene	<0.335	<0.851	<1.70	<1.70
1,1,2,2-Tetrachloroethane	<0.511	<1.37	<1.37	<1.37
Tetrachloroethylene	2.78	492	446	371
Tetrahydrofuran	<0.216	<0.59	<0.590	<0.590
Toluene	2.05	<1.88	<1.88	<1.88
1,2,4-Trichlorobenzene	7.4	<4.66	<4.66	<4.66
1,1,1-Trichloroethane	<0.400	<1.09	<1.09	<1.09
1,1,2-Trichloroethane	<0.422	<1.09	<1.09	<1.09
Trichloroethylene	<0.364	<1.07	<1.07	<1.07
1,2,4-Trimethylbenzene	<0.375	<0.982	<0.982	<0.982
1,3,5-Trimethylbenzene	<0.382	<0.982	<0.982	<0.982
2,2,4-Trimethylpentane	<0.621	<0.934	<0.934	<0.934
Vinyl Chloride	<0.243	<0.511	<0.511	<0.511
Vinyl Bromide	<0.373	<0.875	<0.875	<0.875
Vinyl Acetate	<0.408	<2.22	<2.22	<2.22
m&p-Xylene	<0.585	<1.73	<1.73	<1.73
o-Xylene	<0.359	<0.867	<0.867	<0.867
TPHg	<164	<826	<826	<826

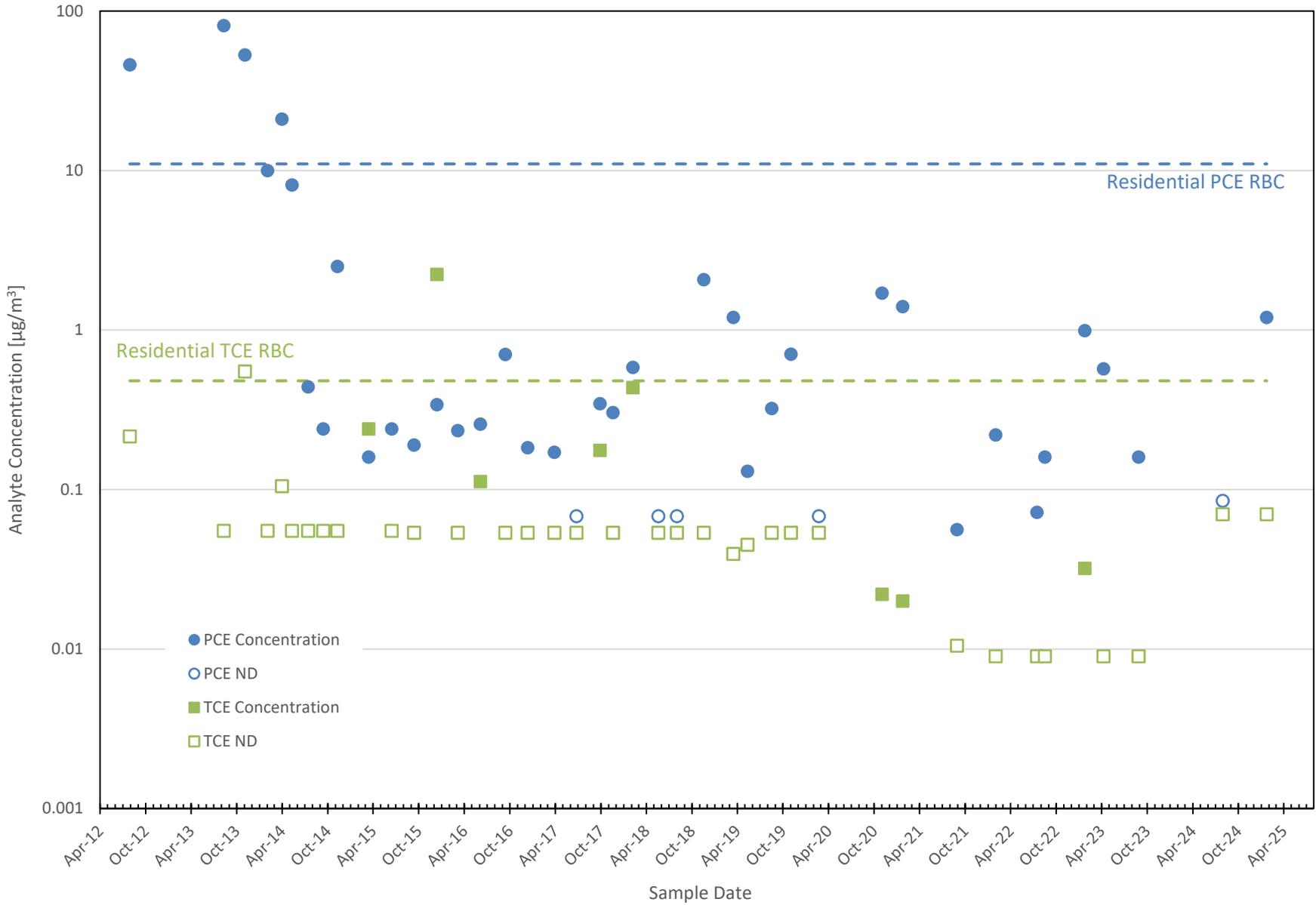
See notes at end of table.

Table B-4
Soil Vapor Analytical Results – Commercial
Former Ellis Dry Cleaners

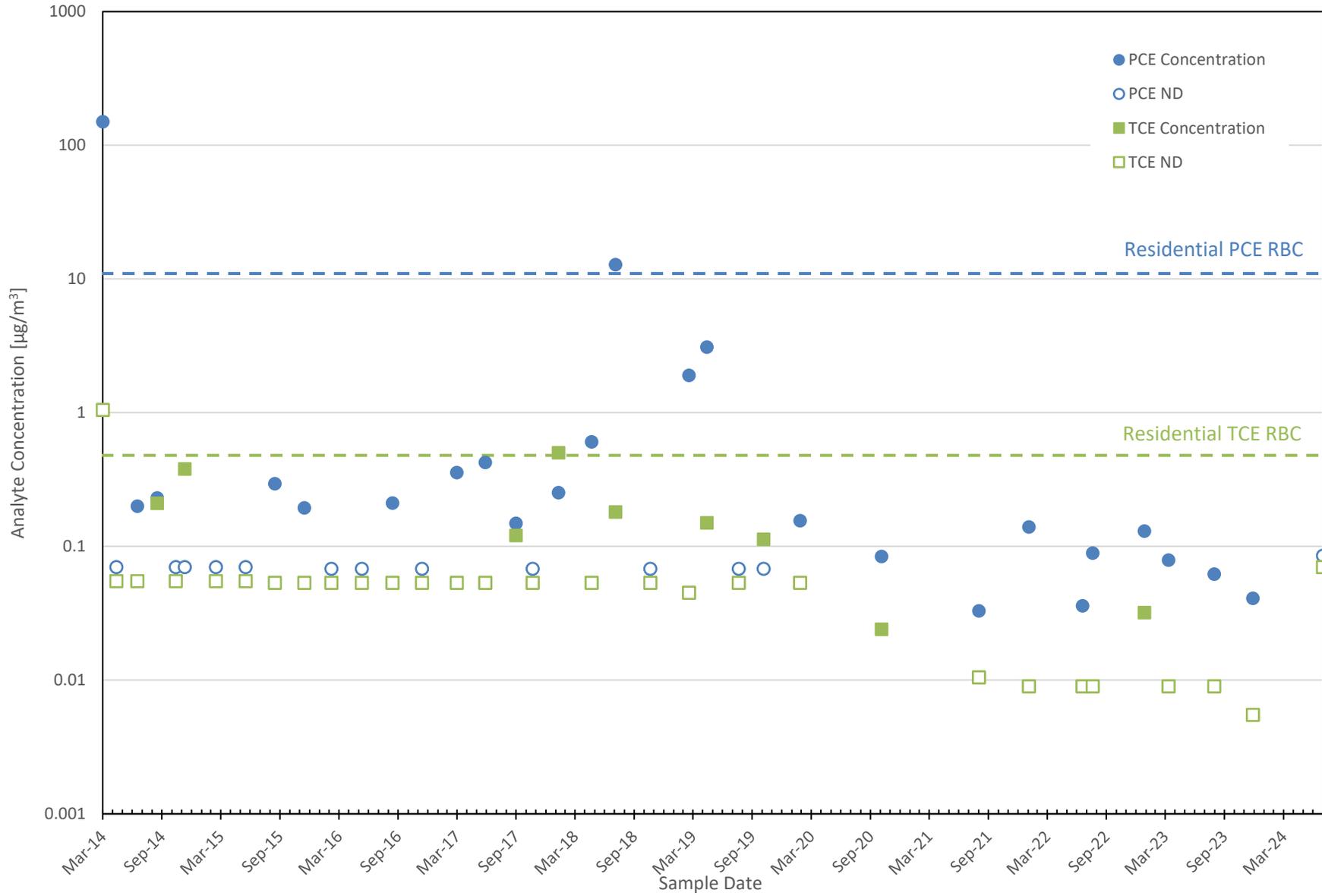
Notes:

1. $\mu\text{g}/\text{m}^3$ = Micrograms per cubic meter.
2. Bold values indicate concentration detected above the minimum reporting limit.
3. VOCs = Volatile organic compounds.
4. Sample analyzed by EPA Method TO-15 SIM.
5. M = The relative percent difference between the primary and duplicate sample are above the quality control limit of 30%.
6. J = Result is estimated.
7. J+ = Data results are estimated values and may be biased high.
8. UJ = The not detected result is estimated at the reporting limit.

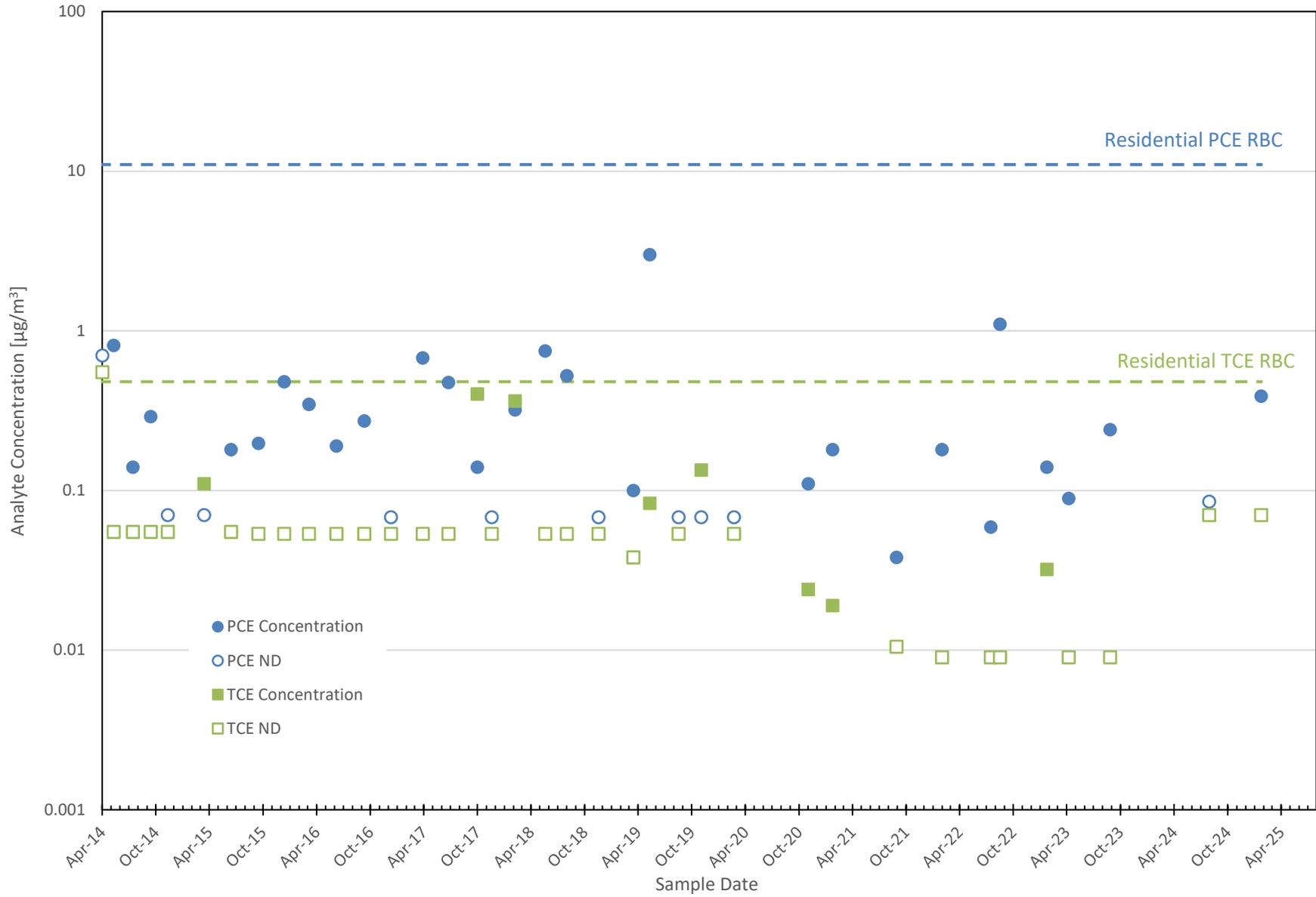
Ambient Air (Indoor): Liddy Residence - Basement



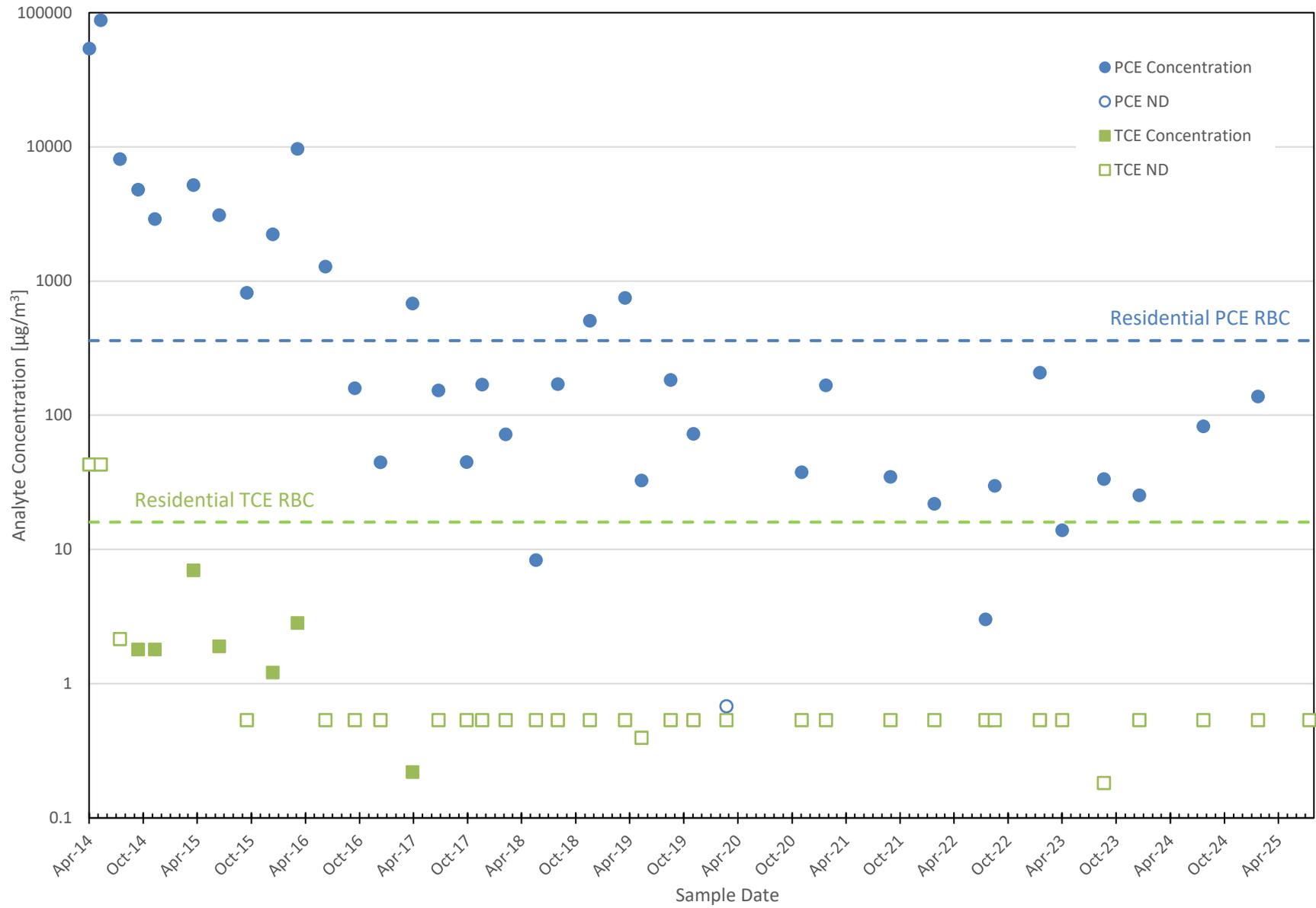
Ambient Air (Outdoor): Window Covering



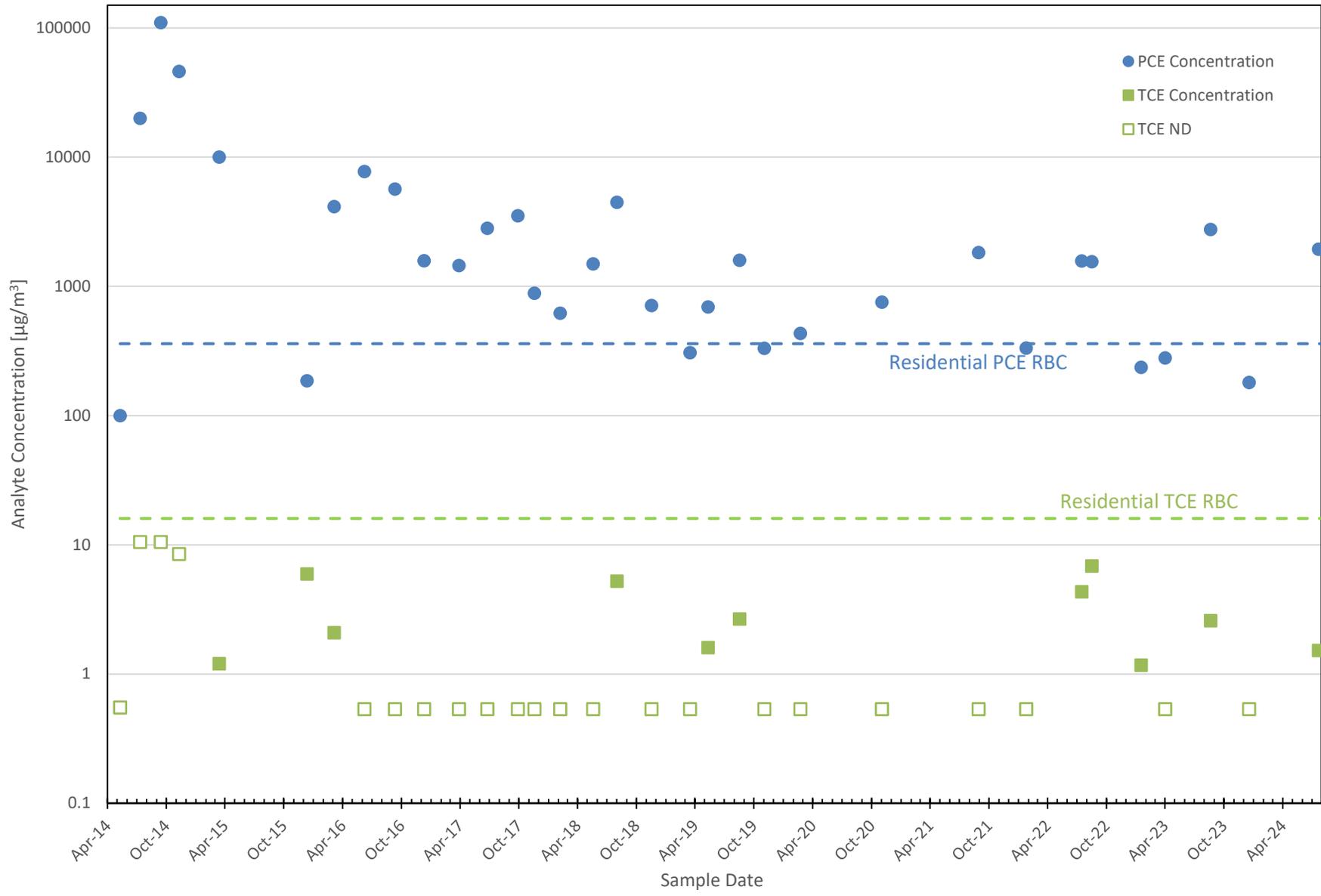
Ambient Air (Outdoor): SVE



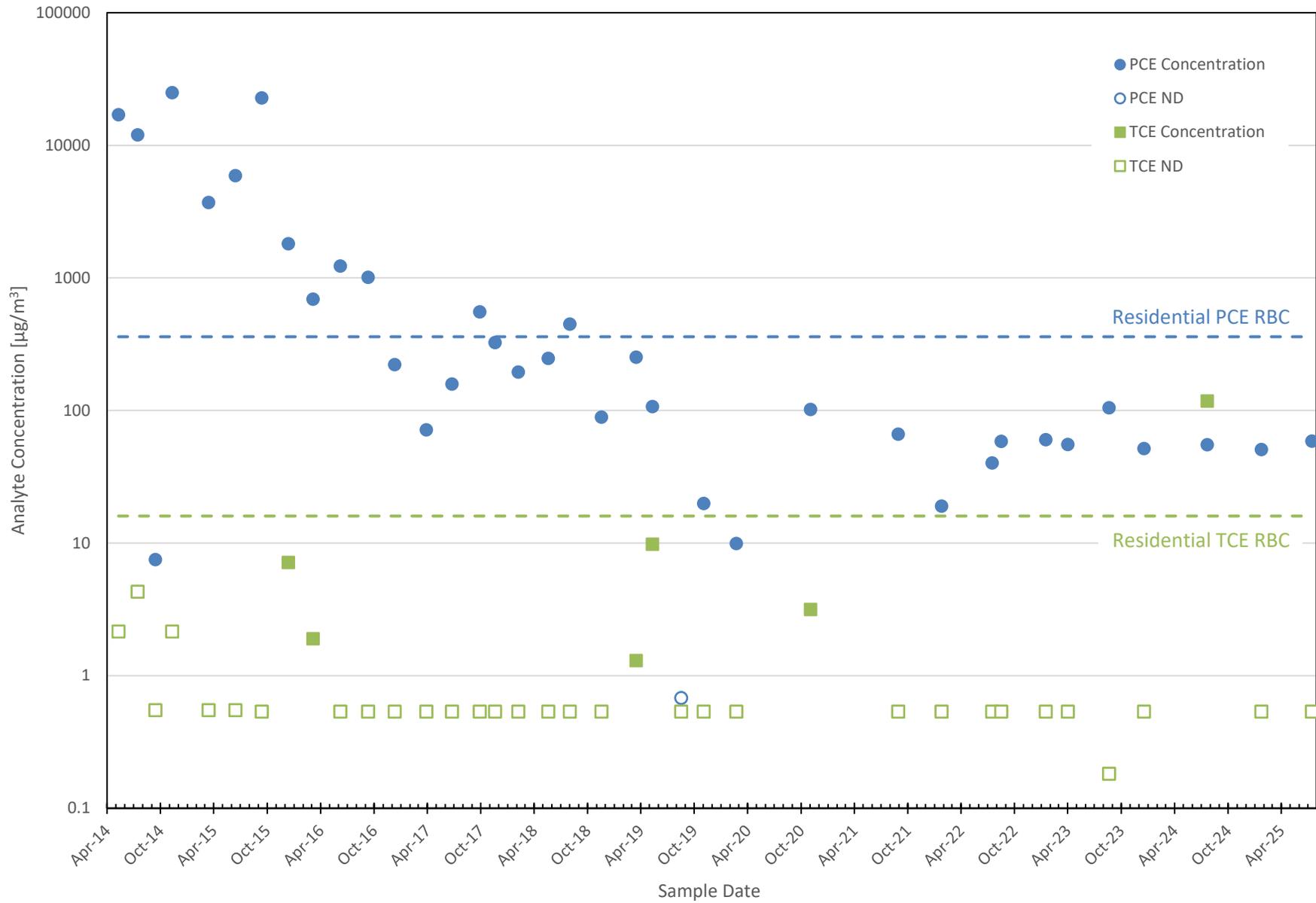
Soil Vapor: SV-12



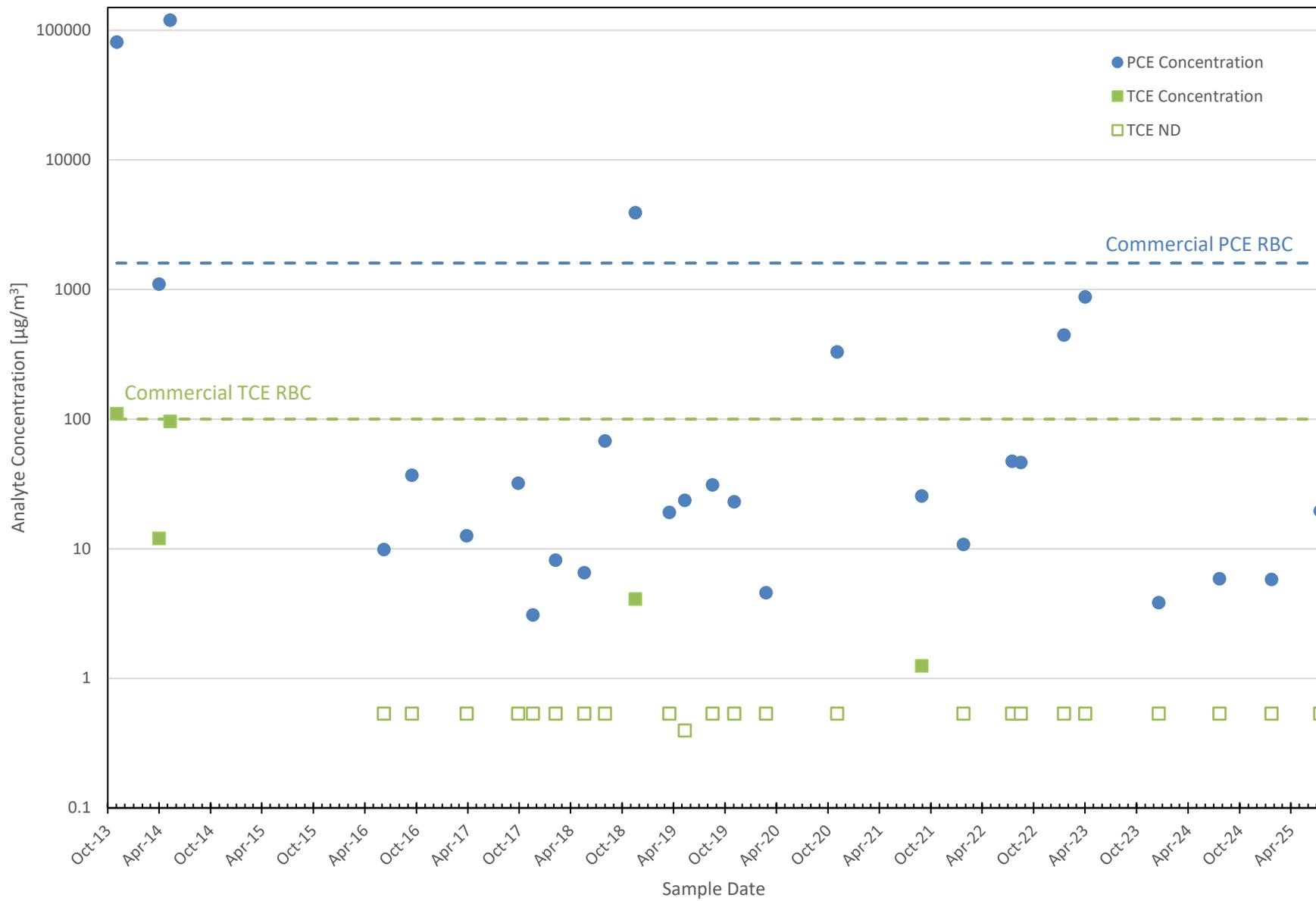
Soil Vapor: VP-B



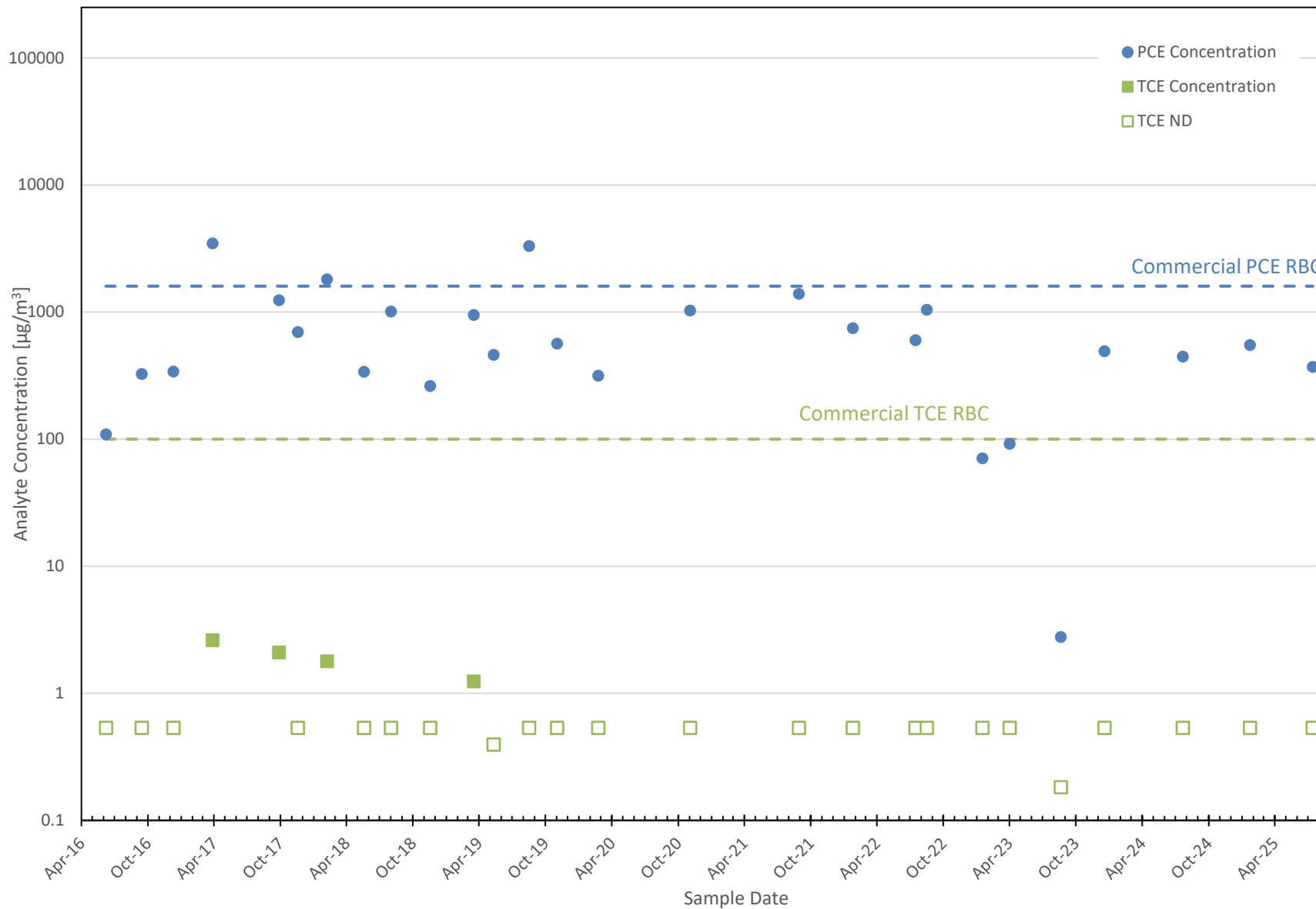
Soil Vapor: VP-D



Soil Vapor: VP-J(5)



Soil Vapor: VP-J(15)



Appendix C

SVE Ambient Air Comparison

Table C-1
Ambient Air Analytical Results – Liddy Residence
SVE Ambient Air Comparison

Sampling Date	SVE System	Liddy PCE Average Concentration	Liddy TCE Average Concentration
	As Recorded During Field Events	$\mu\text{g}/\text{m}^3$	
RBCair - Chronic Residential			
		11	0.48
3/30/2017	On	0.289	<0.107
6/26/2017	Off	0.122	0.081
9/29/2017	Off	0.311	0.121
11/20/2017	On	0.299	<0.107
2/8/2018	On	0.510	2.24
5/21/2018	On	<0.136	<0.107
July 2018 - System Shut Down			
8/3/2018	Off	0.150	<0.107
11/19/2018	Off	1.70	<0.107
3/18/2019	Off	0.817	<0.09
April 2019 - System Restarted			
5/13/2019	On	0.105	<0.09
8/19/2019	On	0.153	<0.107
11/4/2019	On	0.561	<0.107
2/24/2020	On	<0.136	0.073
June 2020 - Installation of Automatic Timer - System Runs from 8AM to 5PM			
September 2020 - System Shut Down			
November 2020 - Heat Exchanger Turned Off			
11/3/2020	Off	1.19	0.024
1/25/2021	Off	1.16	0.024
January 2021 - System Restarted			
8/25/2021	On	0.046	<0.021
2/2/2022	On	0.203	<0.018
7/18/2022	On	0.050	<0.018
8/18/2022	On	0.114	<0.018
December 2022 - System Shut Down			
1/25/2023	Off	1.20	0.036
4/3/2023	Off	0.793	0.013
June 2023 - System Restarted with Modifications - Liddy Property Wells Turned Off			
8/29/2023	On	0.123	<0.018
7/31/2024 ⁴	On	<0.17	<0.14
1/24/2025	On	1.20	<0.15
7/23/2025	On	<0.17	<0.14
Average Concentration - Based on Field Observations of SVE System			
	On	0.184	0.187
	Off	0.827	0.050

Notes:

1. $\mu\text{g}/\text{m}^3$ = Micrograms per cubic meter.
2. -- = Not Recorded.
3. Bold signifies a concentration above the RBCair - Chronic Residential
4. Samples were only taken in the basement from this date afterwards. The concentration is not an average but just one concentration.
5. Half the non-detect value is used in average calculations