April 16, 2018

Ms. Nancy Ryan
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program Southeast Region
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-3128

Subject: Site Investigation Work Plan
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202
UEC Project No. 17028
BRRTS No. 02-41-553001

Dear Ms. Ryan:

On behalf of Milwaukee Holdings, LLC, United Engineering Consultants, Inc. (United) is pleased to submit this Site Investigation Work Plan for the above referenced property. The additional site investigation activities were requested by the Wisconsin Department of Natural Resources (WDNR) in a written correspondence dated March 30, 2018 to further delineate the lateral and vertical extent of the documented chlorinated solvent contamination and to provide a basis for selecting the most appropriate remedial alternative, if necessary. If you have any questions or would like to discuss any part of this submittal please contact us at (262) 785-1447.

Sincerely,
**UNITED ENGINEERING CONSULTANTS, INC.**

Nick Anderson

Nicholas Anderson, E.I.T.
Staff Engineer

Timothy J. Anderson

Timothy J. Anderson, P.E.
Principal

# SITE INVESTIGATION WORK PLAN

**PREPARED FOR:**

**FORMER COMEDY CLUB CAFE**
**615 E. BRADY STREET**
**MILWAUKEE, WISCONSIN 53202**
**BRRTS NO. 02-41-553001**

**PREPARED BY:**

**UNITED ENGINEERING CONSULTANTS, INC.**
**16237 W RYERSON ROAD**
**NEW BERLIN, WISCONSIN 53151**

## TABLE OF CONTENTS



## FIGURES



## TABLES

## 1.0 INTRODUCTION

United has prepared this Site Investigation (SI) Work Plan for the former Comedy Club Cafe property on behalf of Mr. Joshua Ivey of Milwaukee Holdings LLC, the current property owner. The work plan summarizes a review of all information pertaining to the subject property and the methodology to complete the requested additional site investigation activities to further delineate the lateral and vertical extent of the documented Trichloroethene (TCE) and Tetrachloroethene (PCE) contamination and to coordinate any required remediation per WDNR guidelines. This work plan has been prepared in general accordance with Wisconsin Administrative Code (WAC) NR 716.09.

Contact information for the responsible party, consultant and drilling and analytical service commodity providers for this project are indicated below:

| | |
|---|---|
| Responsible Party: | Mr. Joshua Ivey<br>Milwaukee Holdings LLC<br>913 29th Street<br>Des Moines, Iowa 50312<br>Phone: (319) 530-0289 |
| Consultant: | Mr. Timothy J. Anderson, P.E.<br>United Engineering Consultants, Inc.<br>16237 W. Ryerson Road<br>New Berlin, Wisconsin 53151<br>Phone: (262) 785-1447 |
| Drilling Commodity Provider: | Probe Technologies, Inc.<br>7781 Pathfinder Lane<br>West Bend, Wisconsin 53090<br>Phone: (262) 470-4768 |
| Analytical Commodity Provider: | Environmental Monitoring and Technologies, Inc.<br>8100 Austin Avenue<br>Morton Grove, Illinois 60053<br>Phone: (800) 246-0663 |

## 1.1 PURPOSE

The purpose of this work plan is to outline the proposed sample locations and laboratory analytical methodologies to complete the additional site investigation activities requested by the WDNR. United will evaluate spatial and analytical information to determine the horizontal and vertical extent of the chlorinated solvent impacted subsurface media. After all information has been evaluated, a supplemental site investigation report including the requested items in the WDNR's previous case closure denials and March 30, 2018 correspondence as well as conclusions and recommendations for remediation and/or site closure will be provided to Milwaukee Holdings LLC and appropriate regulatory agencies.

## 1.2 SITE LOCATION

The subject property is located at 615 E. Brady Street which is within the Northwest ¼ of the Southwest ¼ of Section 21, Township 7 North, Range 22 East of the City of Milwaukee in Milwaukee County, Wisconsin (See Figure 1 – Site Location Map). The parcel's Wisconsin Transverse Mercator (WTM) X and Y coordinates are 690681 and 288806, respectively, as noted by the Bureau for Remediation and Redevelopment Tracking System (BRRTS). The active BRRTS number for the site is 02-41-553001.

The site is bordered to the north by the N. Water Street and E. Brady Street right-of-ways followed by an undeveloped property (1701 N. Water Street) and Brady Street Park (1711 N. Van Buren Street), to the south by multi-level residential properties, to the west by the N. Jackson Street right-of-way followed by an undeveloped property and the N. Water Street right-of-way and to the east by a public alleyway followed by a multi-tenant commercial building consisting of the Polished Nail Bar (621 E. Brady Street), Digicopy (1681 N. Van Buren Street) and Wing Zone (1683 N. Van Buren Street) and the N. Van Buren Street right-of-way.

## 1.3 SITE FEATURES

The subject property is approximately 0.20 acres in size and is currently occupied by a duplex approximately eleven hundred seventy four (1,174) square feet in plan dimension. The basement of the duplex was most recently utilized as a break room, office and storage for the former Comedy Club Cafe. The first floor contains three (3) bedrooms and one (1) bathroom. The second floor is approximately six hundred thirty seven (637) square feet in plan dimension and consists of two (2) bedrooms and a bathroom.

The foundation for a former three thousand five hundred seventy nine (3,579) square foot commercial structure is located immediately east-northeast of the duplex. This building was formerly occupied by the Comedy Club Cafe. The foundation for a proposed eight hundred (800) square foot addition is located north of the former structure foundation. Ten (10) interior column pads and associated steel and wood framing are located within the footprint of the proposed building. Two (2) recently erected masonry block walls are located along the southern and western elevations of the proposed structure. The surface of the interior of the proposed building is covered with several inches of limestone. The remainder of the surface of the subject property is covered with concrete and asphaltic concrete (See Figure 2 – Site Plan Map).

Underground natural gas and potable water service entered the former commercial site building and enters the duplex along their respective western elevations from laterals connected to mains in the N. Jackson Street right-of-way. The natural gas and potable water service for the proposed commercial structure will enter the northwest corner of the duplex. A combined storm water and sanitary sewer lateral extends from the N. Jackson Street right-of-way to the northwest corner of the former and proposed commercial building.

An apparent abandoned catch basin is located in the N. Jackson Street right-of-way immediately adjacent to the western property line. Electric and telecommunication service is located overhead.

The site is located in the eastern ridges and lowlands physical province of Wisconsin. This province is characterized by gently rolling to moderately hilly glacial deposits interspersed with relatively flat areas underlain by glacial lake or outwash deposits.

A review of the information collected by the National Cooperative Soil Survey on behalf of the United States Department of Agriculture Natural Resources Conservation Service indicates the subject property is unmapped. The general soil profile of this area of Milwaukee County is the Ozaukee-Morley-Mequon association which consists of well drained to somewhat poorly drained soils which have a subsoil of silty clay loam and silty clay formed in thin loess and silty clay loam glacial till on moraines.

Topographic maps of the area indicate the site ranges in elevation from approximately six hundred ten (610) to six hundred twenty (620) feet above Mean Sea Level (MSL) with surrounding elevations ranging from five hundred ninety (590) feet to six hundred fifty (650) feet above MSL. The subject property is not within a designated floodplain, floodway or environmentally sensitive area.

Depth to bedrock in this region reportedly ranges from fifty (50) to one hundred (100) feet below ground surface (bgs). The uppermost bedrock unit below the subject site is believed to be of the Devonian system. This formation is characterized by dolomite and shale.

The subject site is located approximately four hundred (400) feet east of the Milwaukee River. Based on information from the previous investigative activities at the site, the depth to the water table is estimated to be greater than thirty (30) feet bgs. The shallow groundwater flow direction is expected to be west-northwest toward the Milwaukee River.

No private drinking water wells have been identified at the site. Potable water service is provided by the City of Milwaukee.

## 1.4 PROPOSED SITE DEVELOPMENT

The proposed development will include the construction of a two (2) story restaurant and bar approximately four thousand (4,000) square feet in plan dimension. The planned second floor is approximately two thousand five hundred (2500) square feet in plan dimension. An approximate twelve hundred (1200) square foot terrace with an overhead four hundred (400) square foot patio are proposed along the western elevation of the planned restaurant and bar. A dumpster corral and walk in cooler are proposed immediately north of the duplex. The remaining existing asphaltic concrete and concrete will be removed and replaced with the exception of the asphaltic concrete beneath the proposed terrace.

The existing footings beneath the former commercial structure will be utilized for the foundation of the proposed two (2) story restaurant and bar. The proposed four thousand (4,000) square foot first floor includes an approximate eight hundred (800) square feet addition with proposed frost depth strip footings immediately north of the former commercial building footprint. The basement of the duplex will be utilized in the commercial development while the first and second floors will remain residential.

## 1.5 STORAGE TANKS

Two (2) Underground Storage Tanks (USTs) were encountered during site development activities and were removed from the subject property on March 5 and 7 of 2018 (See Figure 2 – Site Plan Map). The tanks were one thousand (1,000) and four thousand (4,000) gallons in capacity and contained waste oil and leaded gasoline, respectively.

A release from each UST was evident based on olfactory observations and petroleum staining of the underlying and adjacent soils. Approximately 27.14 tons of waste oil and gasoline impacted soil was subsequently excavated and transported to Waste Management's Metro facility in Menomonee Falls, WI. The soils were direct landfilled under profile number V128792WI.

Subsequent soil sampling beneath the former leaded gasoline UST indicated the presence of Naphthalene in the soil at concentrations ranging from one hundred sixteen (116) to one hundred sixty five (165) µg/kg. No other Petroleum Volatile Organic Compounds (PVOC) were present in the collected samples at concentrations at or above their respective detection limits. Samples were not collected beneath the waste oil tank due to the presence of a concrete slab encountered approximately two (2) feet below the bottom of the UST during impacted soil removal operations.

The releases will be reported to the WDNR on form 4400-225 in April of 2018. A UST System Closure Assessment and Limited Soil Removal report will also be submitted. If additional site investigative activities are required to delineate the lateral and vertical extent of the petroleum contaminant plumes, a separate SI work plan may be necessary.

## 2.0 PREVIOUS INVESTIGATION ACTIVITIES

A limited Phase I Environmental Site Assessment (ESA) performed by Key Engineering (Key) in November of 2005 included the advancement of three (3) soil borings and the installation of one (1) groundwater monitoring well in the paved parking area northwest of the former site building (See Figure 3 – Soil Boring and Groundwater Monitoring Well Location Map). The results of the analysis of collected soil samples indicated the presence of Chlorinated Volatile Organic Compounds (CVOC) most likely from historic dry cleaner operations at the site and "low levels" of petroleum compounds from suspected service and filling station operations at the property between 1937 and 1962. The groundwater was not impacted with CVOCs at concentrations at or above their respective detection limits. Naphthalene and total Trimethylbenzenes were present in the groundwater at concentrations below their respective Preventive Action Limits (PALs).

In March and November of 2009 and August of 2016, Key advanced twenty two (22) additional borings on the subject property, the E. Brady Street and N. Jackson Street right-of-ways and in the alleyway immediately to the east (See Figure 3 – Soil Boring and Groundwater Monitoring Well Location Map). Soil samples were collected for analysis from the near surface to approximately fifteen (15) feet below the existing grade. The results of the analysis indicated the presence of several CVOCs, PVOCs and Polycyclic Aromatic Hydrocarbons (PAH) in the soils at concentrations which exceed their respective Direct Contact Residual Contaminant Level (RCL) in the upper four (4) feet of the soil column and their Groundwater Pathway RCLs at various depths on the subject property and extending into the adjacent E. Brady Street and N. Jackson Street right-of-ways and most likely the adjacent alleyway to the east (See Table 1 – Soil Analytical Results – Volatile Organic Compounds – November 7, 2005, March 30, 2009, November 30, 2009 and August 23, 2016). Additional groundwater sampling did not indicate the presence of any CVOC and PVOC at concentrations in exceedance of their respective detection limits. Therefore it was determined that one hundred (100) percent of the total contaminated mass is estimated to be in the soil.

With regard to potential vapor intrusion of the CVOCs and PVOCs into the site building and adjacent structures, Key collected nine (9) sub-slab vapor samples from seven (7) sample ports in the main portion of the former Comedy Club Cafe building, the adjacent former break room and the basement of the duplex at 1680 N. Jackson Street. Ambient air samples were collected from the foyer of the former Comedy Club Cafe, the former break and laundry rooms as well as the residence at 1680 N. Jackson Street. In addition, the outdoor air was sampled between the site building and the adjacent residence at 1680 N. Jackson Street (See Figure 4 – Ambient and Sub-Slab Vapor Sample Location Map).

The results of the vapor analysis initially indicated the presence of TCE in the sub-slab samples (AS-1 and SS-4) collected from the basement of the duplex at concentrations in exceedance of its respective residential and small commercial sub-slab Vapor Risk Screening Levels (VRSLs). A subsequent sampling of SS-4B indicated the presence of TCE at a concentration only above its residential VRSL. PCE was present in the basement of the duplex at both sampled locations at concentrations exceeding its residential VRSL. PCE was also present at AS-1 at a concentration in exceedance of its small commercial VRSL.

TCE was present in the sub-slab vapor at the northeast corner of the main portion of the former Comedy Club Cafe building at a concentration in exceedance of its small commercial VRSL. The vapor analysis of sub-slab samples collected from the basement at 1680 N. Jackson Street did not indicate the presence of any compounds at concentrations in exceedance of their respective residential VRSLs (See Table 2 - Vapor Analytical Results – Volatile Organic Compounds – April 11, 2011, June 9, 2015 and November 17, 2015).

TCE and PCE were not detected in the indoor ambient air in the basement of the duplex or the former commercial building at concentrations exceeding their residential or small commercial indoor air VRSLs. The most recent indoor ambient air analysis at 1680 N. Jackson Street did not indicate the presence of any compounds at concentrations in exceedance of their respective residential indoor air VRSLs (See Table 3 - Vapor Analytical Results – Volatile Organic Compounds – October 12, 2011, June 9, 2015, September 17, 2015 and November 17, 2015).

Based on the initial sub-slab and indoor air sampling results, Key coordinated the installation of a vapor mitigation trench immediately north of the former laundry room and storage areas in the basement of the duplex. The trench is reportedly four (4) feet in depth to match the adjacent drain tile depth. The trench conduit is a slotted, schedule 40, four (4) inch diameter PVC pipe connected to a former low voltage fan which discharged approximately two (2) feet above the Comedy Club Cafe roof line. The trench is reportedly filled with two (2) feet of pea gravel overlain by traffic bond and about four (4) inches of asphaltic concrete.

The results of the SI and remedial activities were submitted by Key to the WDNR with a Case Closure GIS Registry submittal on March 6, 2014. The WDNR rejected the site closure request on March 18, 2014 due to an incomplete NR 716 site investigation. The case closure denial letter requested the performance of additional soil sampling in the paved area of the property, specifically adjacent to GP-4, GP-19 and GP-20 and additional vapor intrusion pathway assessment of the Comedy Club Cafe building, the property to the east and the residence to the south. The assessment of the potential for migration of contaminants along utility lines was also requested. It was recommended that the requested additional site investigation activities be summarized in a SI Work Plan to be submitted to the WDNR for review prior to initiation of the investigative activities. The WDNR considered this closure request substantially incomplete and the fee submitted for the case closure review was applied to review of the SI report. The WDNR stated that an additional closure review fee would be required.

A second closure request was submitted to the WDNR by Key on December 8, 2016. The case closure was again denied on December 21, 2016 due to several remaining outstanding issues including but not limited to the completion of the previously requested additional soil sampling and analysis adjacent to GP-4, GP-19 and GP-20 and subsequent assessment of any pathways of concern related to residual soil contamination. Further discussion of the extent and degree of the residual soil contamination to the east was also recommended.

Additional vapor sampling was also requested including sub-slab sampling of existing vapor ports, if they remain at AS-1, SS-1, SS-3 and SS-4 and at additional locations in the main portion of the former Comedy Club Cafe building. The WDNR requested that the samples be collected at AS-1 and SS-4 a minimum of one (1) week subsequent to ceasing operation of the trench mitigation fan. The WDNR stated that a sub-slab depressurization system under the former commercial building would most likely be required to allow for future occupancy of the entire structure.

Additional evaluation and discussion of the sub-slab vapor and indoor ambient air results at the adjacent residence to the south at 1680 N. Jackson Street and the potential for vapor intrusion form the adjacent alley to the east into the building located at 1681-1683 E. Brady Street was also requested. The WDNR will require that the City of Milwaukee by re-notified regarding the actual soil impacts in the adjacent E. Brady Street and N. Jackson Street right-of-ways.

Based on the WDNRs repeated requests for additional soil sampling and analysis adjacent to GP-4, GP-19 and GP-20, United advanced nine (9) boreholes to approximate depths ranging from four (4) to twenty four (24) feet on September 12, and October 19, 2017. Soil samples were collected from various sample intervals ranging from one (1) to two (2) feet and twenty three (23) to twenty four (24) feet. The samples were analyzed for the presence of PAH and/or VOC depending on approximate depth and location (See Table 4 - Soil Analytical Results – Volatile Organic Compounds – September 12, 2017 and Table 5 – Soil Analytical Results – Volatile Organic Compounds – October 19, 2017). Based on the additional analytical results, the lateral and vertical extent of the TCE and PCE impacted soil with concentrations exceeding their respective Non-Industrial, Industrial Direct Contact and Groundwater Pathway RCLs has been generally defined.

The WDNR stated they would consider waiving the requirement for additional sub-slab vapor sampling if an active sub-slab depressurization system were installed beneath the residential portion of the site building. In addition, a vapor mitigation system would be required in the commercial portion of the structure if it was to be occupied. Since the planned development includes the removal of the walls and roof of the commercial building and continued commercial occupancy of the basement of the duplex, a sub-slab depressurization system will be necessary beneath the duplex basement floor slab and the concrete slab for the planned bar and restaurant. Therefore, no additional sub-slab vapor sampling was performed.

The additional requested investigative activities will include the collection of soil samples from the three (3) to four (4) and seven (7) to eight (8) foot intervals in the area north of the duplex and south of GP-20, GP-35 and GP-36, immediately adjacent to the former floor drain connected to the combined sewer at the northwest corner of the former structure and within the former building footprint adjacent to the alley. These samples will be collected to confirm the presence or absence of elevated concentrations of TCE and PCE (See Figure 5 - Proposed Soil Boring Location Map).

# 3.0 FIELD SAMPLING PLAN

The following sections discuss the requested additional soil investigation activities including soil boring advancement and analytical sampling, sample handling, site survey and schedule.

## 3.1 SOIL INVESTIGATION

### 3.1.1 Soil Boring Advancement

As requested by the WDNR, soil borings will be advanced in the area north of the duplex and south of GP-20, GP-35 and GP-36, adjacent to the former interior floor drain located at the northwest corner of the former commercial structure and within the building footprint adjacent to the alleyway to the east. Soil borings will be advanced on April 18, 2018 by an all-terrain vehicle or track mounted geo-probe utilizing direct push methods. Soil samples will be obtained continuously in four (4) foot lengths using a geo-probe sampler.

United personnel will log the soil borings using the Unified Soil Classification System. In addition, visual and olfactory observations such as staining and odor will be recorded along with other pertinent information.

### 3.1.2 Soil Analytical Sampling

The soil samples will be collected in accordance with NR 716.13 and two (2) samples from each soil boring will be submitted to a state-certified laboratory. Based on the results of the previous investigative activities, soil samples will be submitted for VOC analysis.

## 3.2 SAMPLE HANDLING

Samples will be collected in containers provided by the laboratory and following WDNR field sampling protocol and standard chain-of-custody procedures. Applicable field preservatives will be used as directed by laboratory methods. Additionally, soil samples will be preserved on ice. Chain-of-custody forms will be included in the investigative report.

## 3.3 SITE SURVEY

United will revise the site survey to include the additional soil boring locations and elevations. This information will be incorporated into the required figures and maps in a supplemental SI report.

## 3.4 REPORTING

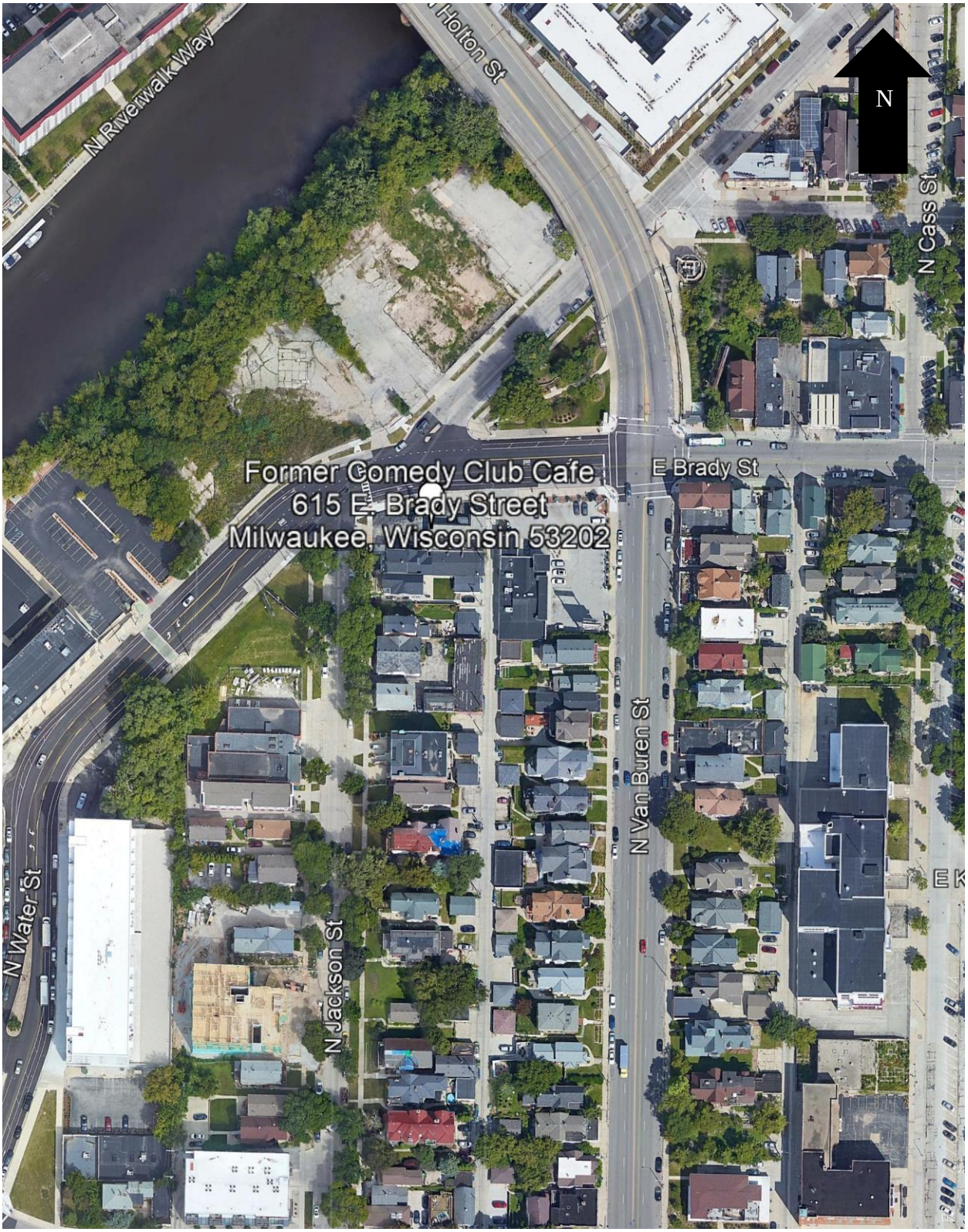
Upon completion of the requested additional investigative activities, a supplemental SI report will be submitted to the WDNR summarizing the investigation methods, analytical results and other pertinent field information collected during the additional investigative activities. The supplemental SI report will also include the requested items in the WDNR's previous case closure denials and March 30, 2018 correspondence as well as conclusions and recommendations for remediation and/or site closure.

## 4.0 REFERENCES

Wisconsin Administrative Code: Chapter NR 716
Depth To Bedrock In Wisconsin - Compiled by L. C. Trotta and R. D. Cotter, 1973
Bedrock Geology of Wisconsin - Geological and Natural History Survey, Revised 2006

# FIGURES

# FIGURE 1
# SITE LOCATION MAP



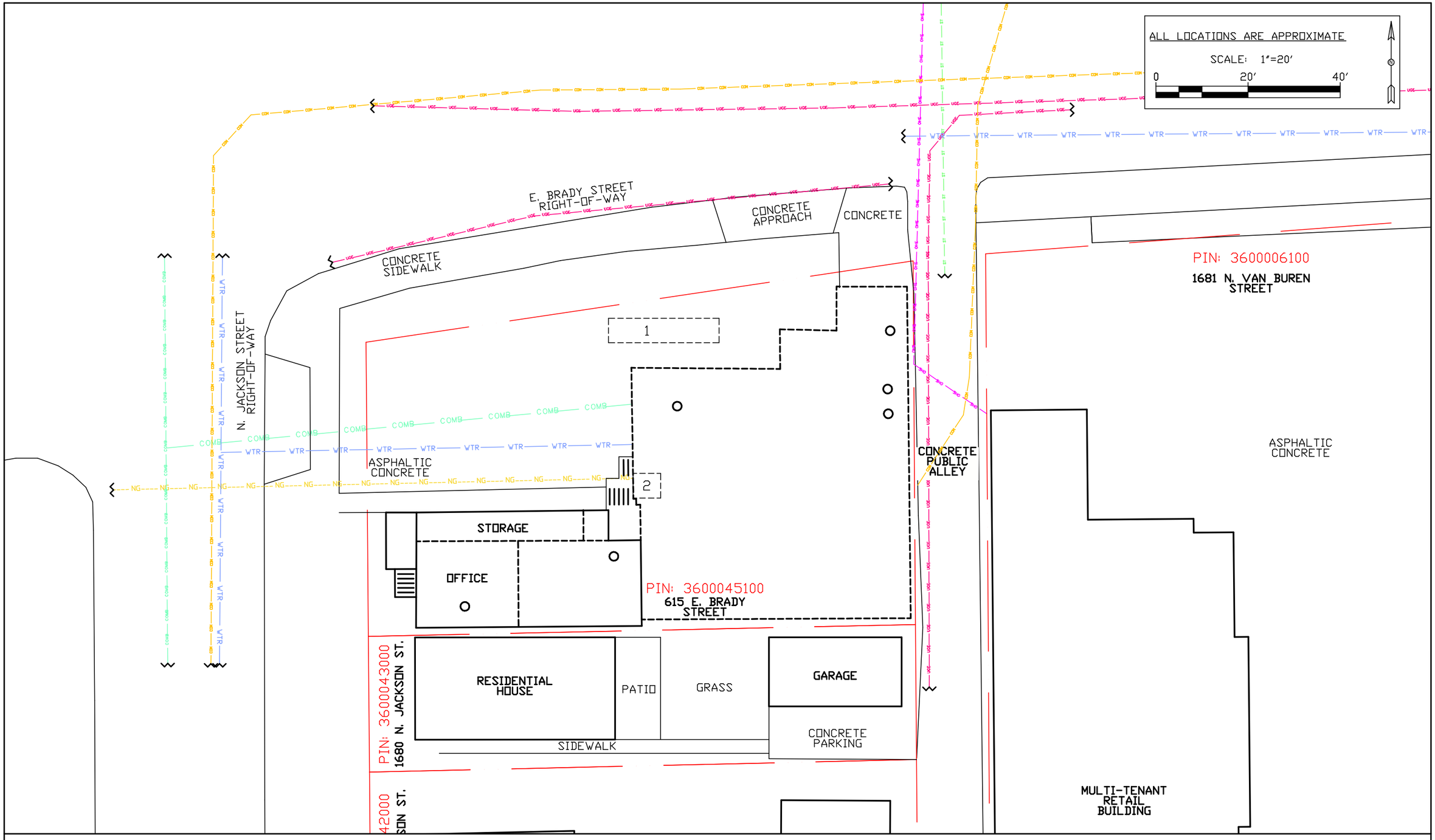



**Figure 2: Site Plan Map**

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#17028

DRAWN BY: NJA

DATE: 04/10/2018

**Site Investigation Work Plan**
**Former Comedy Club Cafe**
**615 E. Brady Street**
**Milwaukee, WI 53202**

## Legend

- Property Line
- Underground Natural Gas Line
- Underground Water Line
- Overhead Electric Line
- Underground Electric Line
- Underground Communication Line
- Underground Storm Sewer Line
- Combined Sewer Line
- Former Underground Storage Tank Location
- Former or Existing Floor Drain

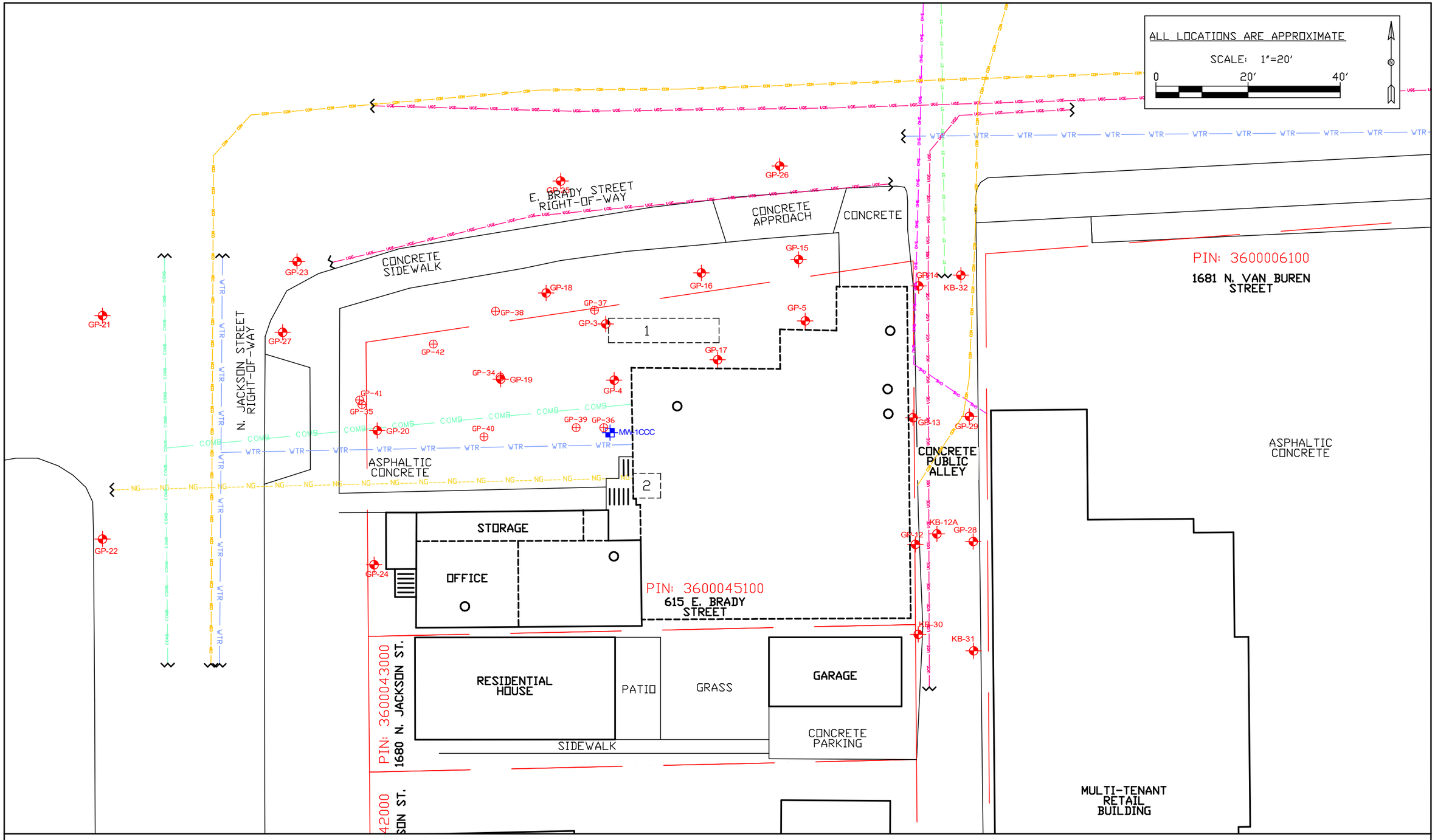


**Figure 3: Soil Boring and Groundwater Monitoring Well Location Map**

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## Legend

- Property Line
- Underground Natural Gas Line
- Underground Water Line
- Overhead Electric Line
- Underground Electric Line
- Underground Communication Line
- Underground Storm Sewer Line
- Combined Sewer Line
- GP-3 Soil Sample Location (KEY)
- GP-34 Soil Probe Location (UEC)
- MW-1CCC Groundwater Monitoring Well Location (KEY)
- 1 Former Underground Storage Tank Location
- Former or Existing Floor Drain

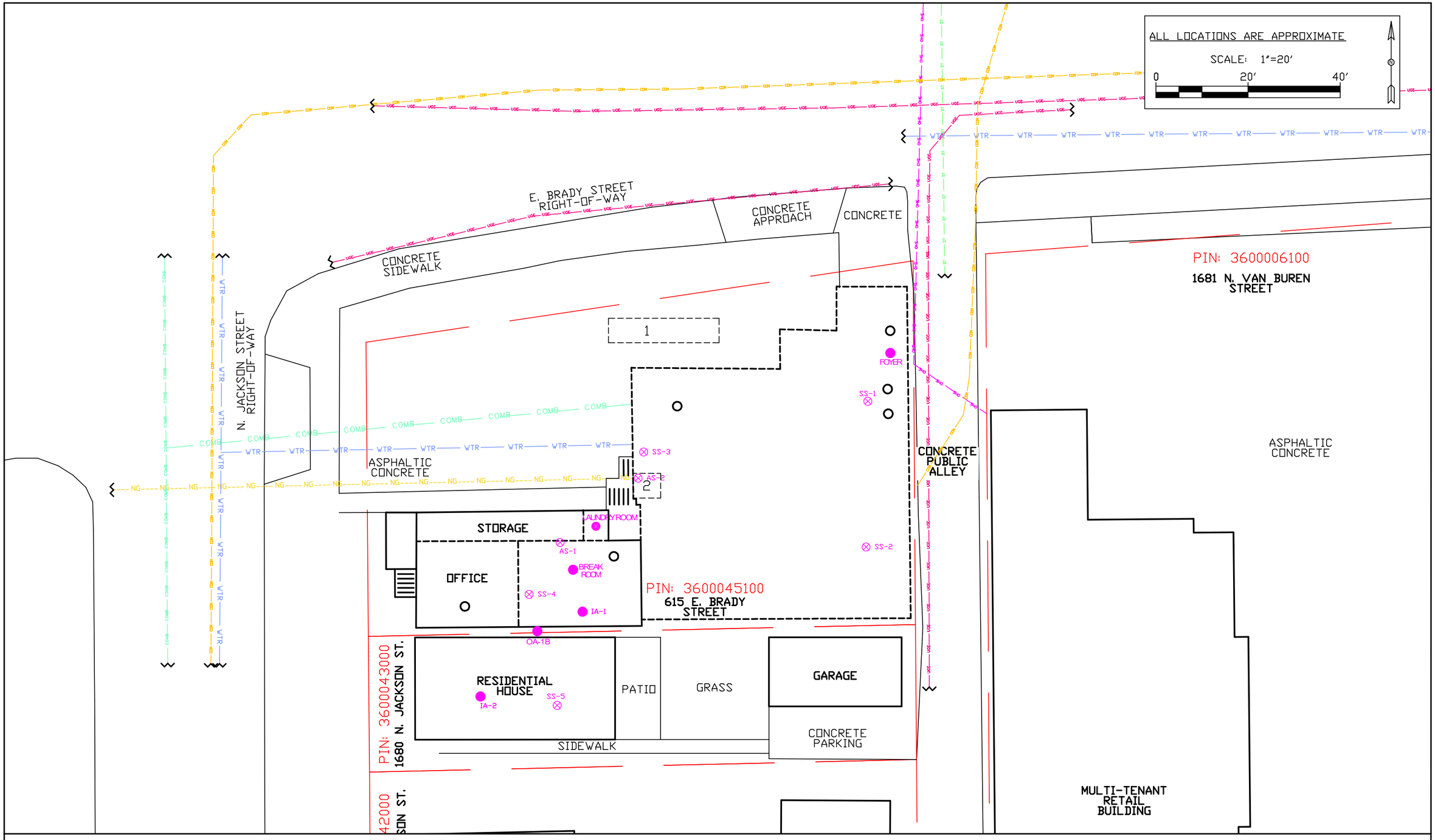


**Figure 4: Ambient and Sub-Slab Vapor Sample Location Map**

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**Site Investigation Work Plan**
**Former Comedy Club Cafe**
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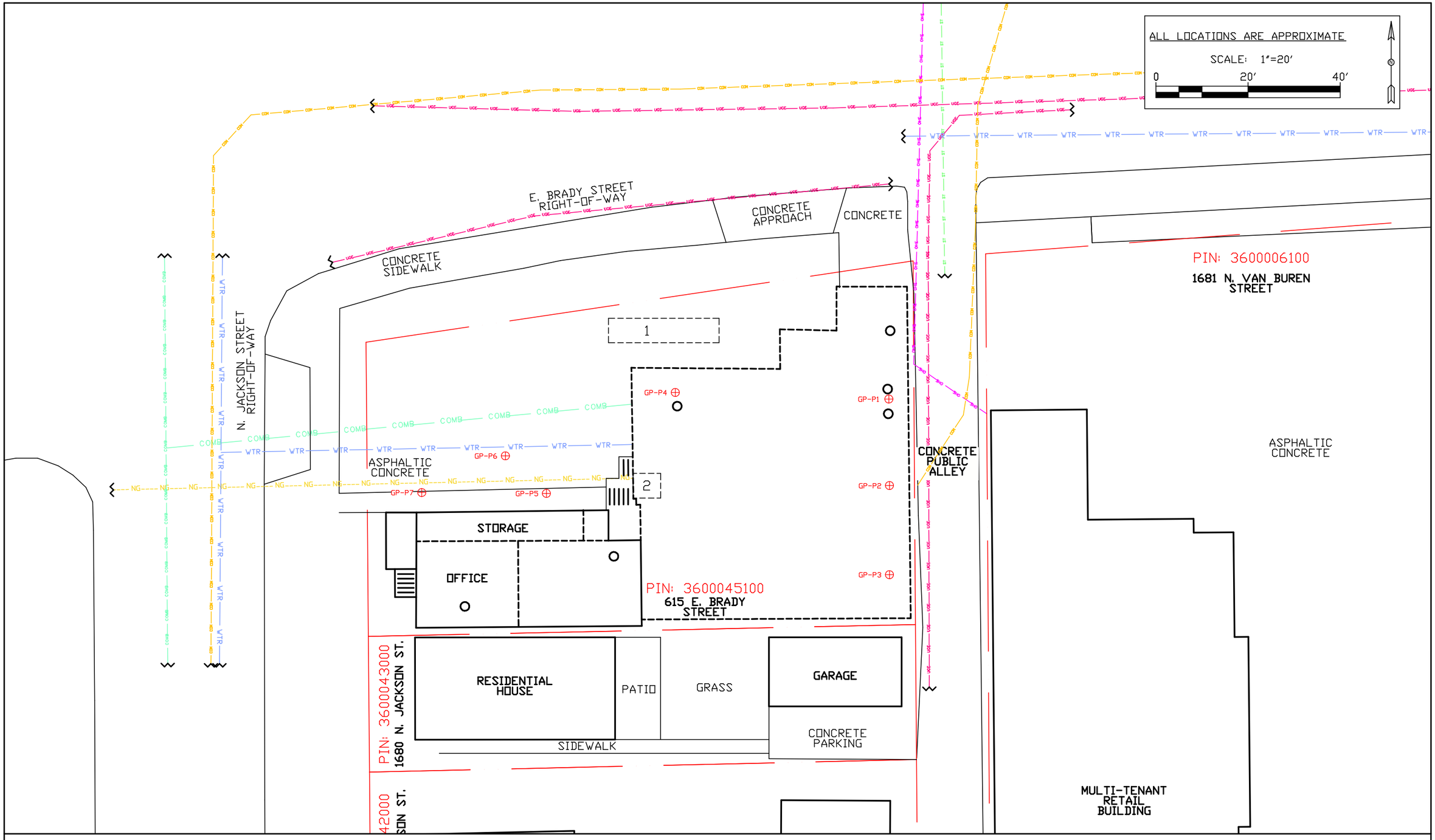
## Legend

- Property Line
- Underground Natural Gas Line
- Underground Water Line
- Overhead Electric Line
- Underground Electric Line
- Underground Communication Line
- Underground Storm Sewer Line
- Combined Sewer Line
- BREAK ROOM — Ambient-Air Vapor Sample Location (KEY)
- IA-1 — Sub-Slab Vapor Sample Location (KEY)
- 1 — Former Underground Storage Tank Location
- Former or Existing Floor Drain




## Figure 5: Proposed Soil Boring Location Map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### Legend

- Property Line
- Underground Natural Gas Line
- Underground Water Line
- Overhead Electric Line
- Underground Electric Line
- Underground Communication Line
- Underground Storm Sewer Line
- Combined Sewer Line
- Former or Existing Floor Drain
- GP-P1 Proposed Soil Sample Location (UEC)
- 1 Former Underground Storage Tank Location

# TABLES

Table 1
Soil Analytical Results - Volatile Organic Compounds
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202

| Sample Identification | GP-3 | GP-3 | GP-4 | GP-4 | GP-4R | GP-5 | GP-5R | GP-12 | GP-12 | KB-12A | GP-13 | GP-13 | GP-14 | RCL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Depth | 7'-8' | 11'-12' | 1'-2' | 7'-8' | 11'-13' | 3'-4' | 6'-8' | 1'-2.5' | 7'-9' | 11'-13' | 1'-2.5' | 7.5'-10' | 1'-2.5' | GWP | NIDC | IDC |
| Sample Date | 11/7/05 | 11/7/05 | 11/7/05 | 11/7/05 | 3/30/09 | 11/7/05 | 3/30/09 | 3/30/09 | 3/30/09 | 8/23/16 | 3/30/09 | 3/30/09 | 3/30/09 | | | |
| **Volatile Organic Compounds (VOC)** | | | | | | | | | | | | | | | | |
| Benzene | <500 | <25 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 5.1 | 1600 | 7070 |
| sec-Butylbenzene | 4400 | <25 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | 145000 | 145000 |
| n-Butylbenzene | 21800 | <25 | <25 | <25 | <40.4 | <25 | <40.4 | <40.4 | <40.4 | <25.0 | <40.4 | <25.0 | <40.4 | - | 108000 | 108000 |
| 1,1-Dichloroethane | <500 | <25 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | 41.5J | <25.0 | <25.0 | <25.0 | <25.0 | 483.4 | 5060 | 22200 |
| cis-1,2-Dichloroethene | <500 | <25 | <25 | <25 | <25.0 | <25 | <25.0 | 34.1J | 417 | <25.0 | <25.0 | <25.0 | <25.0 | 41.2 | 156000 | 2340000 |
| trans-1,2-Dichloroethene | <500 | <25 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 62.6 | 1560000 | 1850000 |
| Ethylbenzene | **53000** | 34 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 1570 | 8020 | 35400 |
| Isopropylbenzene | 7400 | <25 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | - | - |
| p-Isopropyltoluene | 980 | <25 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | 162000 | 162000 |
| Naphthalene | **13600** | <25 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | <25.0 | <40.0 | <40.0 | <40.0 | <25.0 | 658.2 | 5520 | 24100 |
| n-Propylbenzene | 40000 | <25 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | - | - |
| Tetrachloroethene | <500 | <25 | 10000 | 34J | <25.0 | 87 | <25.0 | 258 | 7830 | <25.0 | 584 | 2350 | <25.0 | 4.5 | 33000 | 145000 |
| Toluene | <500 | <25 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 1107.2 | 818000 | 818000 |
| 1,1,1-Trichloroethane | <500 | <25 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | 38.1 | <25.0 | <25.0 | <25.0 | <25.0 | 140.2 | 640000 | 640000 |
| Trichloroethene | <500 | <25 | 41J | <25 | <25.0 | 60 | <25.0 | 47.8J | 479 | <25.0 | 34.2 | 229 | <25.0 | 3.6 | 1300 | 8410 |
| 1,2,4 -Trimethylbenzene | 4600 | 41 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | 219000 | 219000 |
| 1,3,5 -Trimethylbenzene | 17000 | 34 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | 182000 | 182000 |
| Total Trimethylbenzenes | 21600 | 75 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 1382.1 | - | - |
| Vinyl Chloride | <500 | <25 | <25 | <25 | <25.0 | <25 | <25.0 | <25.0 | 42.1J | <25.0 | <25.0 | <25.0 | <25.0 | 0.1 | 67 | 2080 |
| Total Xylenes | 46780 | 78J | <25 | <25 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 3960 | 260000 | 260000 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Cumulative Hazard Index** | 0.3218 | 0.0058 | 0.1 | 0.0057 | 0.0057 | 0.0124 | 0.0057 | 0.0119 | 0.1599 | 0.0057 | 0.0125 | 0.063 | 0.0057 |
| **Cumulative Cancer Risk** | 1.70E-05 | 4.20E-07 | 7.40E-07 | 4.20E-07 | 4.20E-07 | 4.50E-07 | 4.20E-07 | 4.50E-07 | 1.30E-06 | 4.20E-07 | 4.40E-07 | 6.50E-07 | 4.20E-07 |

Notes:
All samples collected from the unsaturated zone
All results expressed as µg/kg
RCL Residual Contaminant Level (3/2017 RCL Spreadsheet)
GWP Groundwater Pathway RCL (Exceedances in underline)
NIDC Non-Industrial Direct Contact RCL (Exceedances in **bold**)
IDC Industrial Direct Contact Pathway RCL (Exceedances in **bold** and shaded)
\- RCL not established for this compound
J Analyte detected above limit of detection (LOD) and below limit of quantitation (LOQ)
< Compound not detected at or above Limit of Detection (LOD)

Table 1
Soil Analytical Results - Volatile Organic Compounds
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202

| Sample Identification | GP-14 | GP-15 | GP-15 | GP-15R | GP-16 | GP-16 | GP-17 | GP-17 | GP-18 | GP-18 | GP-19 | RCL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Depth | 7.5'-10' | 2.5'-5' | 9'-11' | 11'-12' | 1'-2.5' | 10.5'-12 | 2.5'-5' | 10.5'-12' | 1'-2.5' | 10'-12' | 1'-2.5' | GWP | NIDC | IDC |
| Sample Date | 3/30/09 | 3/30/09 | 3/30/09 | 11/30/09 | 03/30/09 | 03/30/09 | 03/30/09 | 03/30/09 | 03/30/09 | 03/30/09 | 03/30/09 | | | |
| **Volatile Organic Compounds (VOC)** | | | | | | | | | | | | | | |
| Benzene | <25.0 | <25.0 | 684 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 362J | <25.0 | <500 | 5.1 | 1600 | 7070 |
| sec-Butylbenzene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 149 | <25.0 | 1520 | <25.0 | 3850 | - | 145000 | 145000 |
| n-Butylbenzene | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | <404 | <40.4 | <808 | - | 108000 | 108000 |
| 1,1-Dichloroethane | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <250 | <25.0 | <500 | 483.4 | 5060 | 22200 |
| cis-1,2-Dichloroethene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <250 | <25.0 | <500 | 41.2 | 156000 | 2340000 |
| trans-1,2-Dichloroethene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <250 | <25.0 | <500 | 62.6 | 1560000 | 1850000 |
| Ethylbenzene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 86.8 | <25.0 | **30000** | <25.0 | **8650** | 1570 | 8020 | 35400 |
| Isopropylbenzene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 3550 | <25.0 | 2390 | - | - | - |
| p-Isopropyltoluene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 2220 | <25.0 | 9870 | - | 162000 | 162000 |
| Naphthalene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | **22600** | <25.0 | **14000** | 658.2 | 5520 | 24100 |
| n-Propylbenzene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 239 | <25.0 | 13600 | <25.0 | 8190 | - | - | - |
| Tetrachloroethene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <250 | <25.0 | <500 | 4.5 | 33000 | 145000 |
| Toluene | <25.0 | <25.0 | <25.0 | <25.0 | 31.8J | <25.0 | <25.0 | <25.0 | 381J | <25.0 | <500 | 1107.2 | 818000 | 818000 |
| 1,1,1-Trichloroethane | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <250 | <25.0 | <500 | 140.2 | 640000 | 640000 |
| Trichloroethene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <250 | <25.0 | <500 | 3.6 | 1300 | 8410 |
| 1,2,4 -Trimethylbenzene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 35.4J | <25.0 | 45900 | <25.0 | <500 | - | 219000 | 219000 |
| 1,3,5 -Trimethylbenzene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 595J | <25.0 | 1830J | - | 182000 | 182000 |
| Total Trimethylbenzenes | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 35.4J | <25 | 46495 | <25.0 | 1830J | 1382.1 | - | - |
| Vinyl Chloride | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <250 | <25.0 | <500 | 0.1 | 67 | 2080 |
| Total Xylenes | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 14160 | <25.0 | <500 | 3960 | 260000 | 260000 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Cumulative Hazard Index** | 0.0057 | 0.0057 | 0.0119 | 0.0057 | 0.0057 | 0.0057 | 0.0057 | 0.0057 | 0.3311 | 0.0057 | 0.1954 |
| **Cumulative Cancer Risk** | 4.20E-07 | 4.20E-07 | 8.30E-07 | 4.20E-07 | 4.20E-07 | 4.20E-07 | 4.30E-07 | 4.20E-07 | **1.20E-05** | 4.20E-07 | **1.20E-05** |

Notes:
All samples collected from the unsaturated zone
All results expressed as µg/kg
RCL Residual Contaminant Level (3/2017 RCL Spreadsheet)
GWP Groundwater Pathway RCL (Exceedances in underline)
NIDC Non-Industrial Direct Contact RCL (Exceedances in **bold**)
IDC Industrial Direct Contact Pathway RCL (Exceedances in **bold** and shaded)
- RCL not established for this compound
J Analyte detected above limit of detection (LOD) and below limit of quantitation (LOQ)
< Compound not detected at or above Limit of Detection (LOD)

Table 1
Soil Analytical Results - Volatile Organic Compounds
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202

| **Sample Identification** | **GP-19** | **GP-20** | **GP-20** | **GP-21** | **GP-21** | **GP-22** | **GP-22** | **GP-23** | **GP-24** | **GP-24** | **GP-25** | **GP-25** | **RCL** | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Depth** | 13.5'-15' | 7'-9' | 12'-13' | 7'-9' | 13'-15' | 7'-9' | 13'-15' | 7'-9' | 7'-9' | 13'-15' | 5'-7' | 10'-12' | **GWP** | **NIDC** | **IDC** |
| **Sample Date** | **03/30/09** | **3/30/09** | **3/30/09** | **11/30/09** | **11/30/09** | **11/30/09** | **11/30/09** | **11/30/09** | **11/30/09** | **11/30/09** | **11/30/09** | **11/30/09** | | | |
| **Volatile Organic Compounds (VOC)** | | | | | | | | | | | | | | | |
| Benzene | <25.0 | <312 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 5.1 | 1600 | 7070 |
| sec-Butylbenzene | <25.0 | <312 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | 145000 | 145000 |
| n-Butylbenzene | <40.4 | <505 | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | <25.0 | <40.4 | <40.4 | - | 108000 | 108000 |
| 1,1-Dichloroethane | <25.0 | <312 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 483.4 | 5060 | 22200 |
| cis-1,2-Dichloroethene | <25.0 | 3130 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 41.2 | 156000 | 2340000 |
| trans-1,2-Dichloroethene | <25.0 | 346J | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 62.6 | 1560000 | 1850000 |
| Ethylbenzene | <25.0 | <312 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 1570 | 8020 | 35400 |
| Isopropylbenzene | <25.0 | <312 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | - | - |
| p-Isopropyltoluene | <25.0 | <312 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | 162000 | 162000 |
| Naphthalene | <25.0 | <312 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 658.2 | 5520 | 24100 |
| n-Propylbenzene | <25.0 | <312 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | - | - |
| Tetrachloroethene | <25.0 | **98800** | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 27.0J | <25.0 | <25.0 | <25.0 | 4.5 | 33000 | 145000 |
| Toluene | <25.0 | <312 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 1107.2 | 818000 | 818000 |
| 1,1,1-Trichloroethane | <25.0 | <312 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 140.2 | 640000 | 640000 |
| Trichloroethene | <25.0 | **15300** | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 3.6 | 1300 | 8410 |
| 1,2,4 -Trimethylbenzene | <25.0 | <312 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | 219000 | 219000 |
| 1,3,5 -Trimethylbenzene | <25.0 | <312 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | 182000 | 182000 |
| Total Trimethylbenzenes | <25.0 | <312 | <25 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 1382.1 | - | - |
| Vinyl Chloride | <25.0 | <312 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 0.1 | 67 | 2080 |
| Total Xylenes | <25.0 | <312 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 3960 | 260000 | 260000 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Cumulative Hazard Index** | 0.0057 | **3.631** | 0.0057 | 0.0057 | 0.0057 | 0.0057 | 0.0057 | 0.0057 | 0.0057 | 0.0057 | 0.0057 | 0.0057 |
| **Cumulative Cancer Risk** | 4.20E-07 | **2.00E-05** | 4.20E-07 | 4.20E-07 | 4.20E-07 | 4.20E-07 | 4.20E-07 | 4.20E-07 | 4.20E-07 | 4.20E-07 | 4.20E-07 | 4.20E-07 |

Notes:
All samples collected from the unsaturated zone
All results expressed as µg/kg
RCL Residual Contaminant Level (3/2017 RCL Spreadsheet)
GWP Groundwater Pathway RCL (Exceedances in underline)
NIDC Non-Industrial Direct Contact RCL (Exceedances in **bold**)
IDC Industrial Direct Contact Pathway RCL (Exceedances in **bold** and shaded)
\- RCL not established for this compound
J Analyte detected above limit of detection (LOD) and below limit of quantitation (LOQ)
< Compound not detected at or above Limit of Detection (LOD)

Table 1
Soil Analytical Results - Volatile Organic Compounds
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202

| Sample Identification | GP-26 | GP-26 | GP-27 | GP-27 | GB-28 | GB-28 | GB-29 | GB-29 | KB-30 | KB-30 | KB-31 | KB-32 | RCL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Depth | 3'-5' | 9'-11' | 7'-9' | 13'-15' | 1'-3' | 9'-11' | 1'-3' | 7'-9' | 1'-3' | 13'-15' | 1'-3' | 1'-3' | GWP | NIDC | IDC |
| Sample Date | 11/30/09 | 11/30/09 | 11/30/09 | 11/30/09 | 11/30/09 | 11/30/09 | 11/30/09 | 11/30/09 | 08/23/16 | 08/23/16 | 08/23/16 | 08/23/16 | | | |
| **Volatile Organic Compounds (VOC)** | | | | | | | | | | | | | | | |
| Benzene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 5.1 | 1600 | 7070 |
| sec-Butylbenzene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | 145000 | 145000 |
| n-Butylbenzene | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | <40.4 | - | 108000 | 108000 |
| 1,1-Dichloroethane | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 483.4 | 5060 | 22200 |
| cis-1,2-Dichloroethene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 36.4J | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 41.2 | 156000 | 2340000 |
| trans-1,2-Dichloroethene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 62.6 | 1560000 | 1850000 |
| Ethylbenzene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 1570 | 8020 | 35400 |
| Isopropylbenzene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | - | - |
| p-Isopropyltoluene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | 162000 | 162000 |
| Naphthalene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 658.2 | 5520 | 24100 |
| n-Propylbenzene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | - | - |
| Tetrachloroethene | 113 | <25.0 | <25.0 | <25.0 | 205 | <25.0 | 377 | <25.0 | <25.0 | <25.0 | 67 | <25.0 | 4.5 | 33000 | 145000 |
| Toluene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 1107.2 | 818000 | 818000 |
| 1,1,1-Trichloroethane | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 140.2 | 640000 | 640000 |
| Trichloroethene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 43.9J | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 3.6 | 1300 | 8410 |
| 1,2,4 -Trimethylbenzene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | 219000 | 219000 |
| 1,3,5 -Trimethylbenzene | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | - | 182000 | 182000 |
| Total Trimethylbenzenes | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 1382.1 | - | - |
| Vinyl Chloride | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 0.1 | 67 | 2080 |
| Total Xylenes | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 3960 | 260000 | 260000 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Cumulative Hazard Index** | 0.0065 | 0.0057 | 0.0057 | 0.0057 | 0.0057 | 0.0057 | 0.0123 | 0.0057 | 0.0057 | 0.0057 | 0.006 | 0.0057 |
| **Cumulative Cancer Risk** | 4.30E-07 | 4.20E-07 | 4.20E-07 | 4.20E-07 | 4.20E-07 | 4.20E-07 | 4.50E-07 | 4.20E-07 | 4.20E-07 | 4.20E-07 | 4.20E-07 | 4.20E-07 |

Notes:
All samples collected from the unsaturated zone
All results expressed as µg/kg
RCL Residual Contaminant Level (3/2017 RCL Spreadsheet)
GWP Groundwater Pathway RCL (Exceedances in underline)
NIDC Non-Industrial Direct Contact RCL (Exceedances in **bold**)
IDC Industrial Direct Contact Pathway RCL (Exceedances in **bold** and shaded)
- RCL not established for this compound
J Analyte detected above limit of detection (LOD) and below limit of quantitation (LOQ)
< Compound not detected at or above Limit of Detection (LOD)

Table 2
Vapor Analytical Results - Volatile Organic Compounds
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202

| Sample Identification | AS-1 | SS-4 | SS-4B | SS-5 | SS-5B | AS-2 | SS-1 | SS-2 | SS-3 | Residential | Small Commercial |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Type | SS | SS | SS | SS | SS | SS | SS | SS | SS | | |
| Sample Date | 04/11/11 | 06/09/15 | 11/17/15 | 06/09/15 | 11/17/15 | 04/11/11 | 06/09/15 | 06/09/15 | 11/17/15 | | |
| Sample Duration (Hours) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | |
| Location | Basement Break Room | Basement Break Room | Basement Break Room | 1680 N. Jackson Basement | 1680 N. Jackson Basement | W Entry of Club | NE Club | SE Club | W Central Club | Sub-Slab VRSL | Sub-Slab VRSL |
| **Volatile Organic Compounds (VOC) (Method: TO-15)** | | | | | | | | | | | |
| Acetone | 55.1 | 40.9 | 23.9 | 85.6 | 16.5 | 24.8 | 134 | 70.5 | 10.2 | 1066667 | 4666667 |
| Allyl chloride | - | - | - | - | - | - | - | - | - | 33 | 147 |
| Benzene | 7.5 | 2.7 | 1.4 | 3.6 | <0.25 | 2 | 5.1 | 5.2 | 0.75 | 120 | 530 |
| Benzyl Chloride | <1.4 | <0.27 | <0.27 | <0.28 | <0.33 | <1.4 | <0.28 | <0.25 | <0.28 | 19 | 83 |
| Bromodichloromethane | <1.9 | <0.31 | <0.31 | <0.33 | <0.39 | <1.9 | <0.33 | <0.29 | <0.33 | 25 | 110 |
| Bromoform | <2.8 | <1.5 | <1.5 | <1.5 | <1.8 | <2.8 | <1.5 | <1.3 | <1.5 | 867 | 3667 |
| Bromomethane | <1.1 | <0.50 | <0.50 | <0.52 | <0.62 | <1.1 | <0.52 | <0.46 | <0.52 | 17 | 733 |
| 1,3-Butadiene | <0.60 | <0.28 | <0.28 | <0.30 | <0.35 | <0.60 | <0.30 | <0.26 | <0.30 | 31 | 137 |
| 2-Butanone | 9.5 | 4.0 | 1.9J | 10.3 | 0.92J | 6.2 | 19.9 | 7.6 | 0.62J | 173333 | 733333 |
| Carbon Disulfide | 2.30 | 2.1 | <0.16 | 4.80 | <0.20 | 2.4 | 5.3 | 2.4 | <0.17 | 24333 | 103333 |
| Carbon tetrachloride | 0.9 | <0.31 | <0.31 | <0.32 | <0.39 | 1.3 | <0.32 | <0.29 | <0.32 | 160 | 670 |
| Chlorobenzene | <1.3 | <0.22 | <0.22 | <0.23 | <0.27 | <1.3 | <0.23 | <0.20 | <0.23 | 1733 | 7333 |
| Chloroethane | <0.72 | <0.31 | <0.31 | <0.33 | <0.39 | <0.72 | <0.33 | <0.29 | <0.33 | - | - |
| Chloroform | <1.3 | 1.1 | <0.31 | 8.1 | 8.3 | <1.3 | 2.3 | <0.28 | <0.32 | 40 | 180 |
| Chloromethane | 3.5 | <0.1 | <0.17 | <0.18 | <0.22 | <0.56 | <0.18 | <0.16 | 0.18 | 3100 | 13000 |
| 2-Chlorotoluene | - | - | - | - | - | - | - | - | - | - | - |
| Cyclohexane | 45.9 | 3.9 | 2.5 | 4.7 | <0.64 | 30.5 | 9.2 | 13 | 2.4 | 210000 | 866667 |
| Dibromochloromethane | <2.3 | <1.4 | <1.4 | <1.4 | <1.7 | <2.3 | <1.4 | 1.3 | <1.4 | - | - |
| 1,2-Dibromoethane | <2.1 | <1.2 | <1.2 | <1.3 | <1.6 | <2.1 | <1.3 | <1.2 | <1.3 | 2 | 7 |
| 1,2-Dichlorobenzene | <1.6 | <0.82 | <0.82 | <0.86 | <1.0 | <1.6 | <0.86 | <0.76 | <0.86 | 7000 | 29333 |
| 1,3-Dichlorobenzene | <1.6 | <0.85 | <0.85 | <0.89 | <1.1 | <1.6 | <0.80 | <0.79 | <0.89 | - | - |
| 1,4-Dichlorobenzene | <1.6 | <0.80 | <0.80 | <0.84 | 1.4J | <1.6 | <0.84 | <0.74 | <0.84 | 87 | 367 |
| Dichlorodifluoromethane | 2.3 | 2.7 | 2.0 | <0.81 | 1.7J | <1.3 | 1.9 | 2.8 | 1.8 | 3300 | 15000 |
| 1,1-Dichloroethane | <1.1 | <0.25 | <0.25 | <0.34 | <0.32 | <1.1 | 1.0J | <0.23 | <0.26 | 600 | 2600 |
| 1,2-Dichloroethane | <0.55 | <0.33 | <0.33 | <0.34 | <0.41 | <0.55 | <0.34 | <0.31 | <0.34 | 37 | 160 |
| 1,1-Dichloroethene | 5.6 | <0.38 | <0.38 | <0.40 | <0.48 | <1.1 | <0.40 | <0.35 | <0.40 | 7000 | 29000 |
| cis-1,2-Dichloroethene | 5010 | 107 | 36 | 1.5 | <0.49 | 5.1 | 25.6 | 0.61J | <0.41 | - | - |
| trans-1,2-Dichloroethene | 40.5 | 2.1 | 0.68J | <0.65 | <0.77 | <1.1 | 31.7 | <0.57 | <0.65 | - | - |
| 1,2-Dichloropropane | <1.3 | <0.43 | <0.43 | <0.45 | <0.54 | <1.3 | <0.45 | <0.40 | <0.45 | 25 | 110 |
| cis-1,3-Dichloropropene | <1.2 | <0.59 | <0.59 | <0.62 | <0.74 | <1.2 | <0.62 | <0.55 | <0.62 | - | - |
| trans-1,2-Dichloropropene | <1.2 | <0.42 | <0.42 | <0.44 | <0.52 | <1.2 | <0.44 | <0.39 | <0.44 | - | - |
| Dichlorotetrafluoroethane | <1.9 | <0.50 | <0.50 | <0.52 | <0.62 | <1.9 | <0.52 | <0.46 | <0.52 | - | - |
| 1,2-Dichlorotetrafluoroethane | - | - | - | - | - | - | - | - | - | - | - |
| 1,4-Dioxane | - | - | - | - | - | - | - | - | - | 187 | 833 |
| Ethanol | 273 | 74.4 | 14.7 | 11.6 | 107 | 25.2 | 6.6 | 51.3 | 330 | - | - |
| Ethyl acetate | <0.98 | <0.56 | <0.56 | <0.58 | 1.5J | <0.98 | <0.58 | <0.52 | <0.58 | 2433 | 10333 |
| Ethylbenzene | 6.1 | 12.8 | <0.68 | 16.7 | 1.1J | 4.7 | 15.5 | 15.1 | <0.71 | 370 | 1600 |
| 4-Ethyltoluene | <3.4 | 9.9 | <0.30 | 11.9 | <0.38 | <3.4 | 10.7 | 10.1 | <0.32 | - | - |
| N-Heptane | 9.9 | 5.1 | 1.6 | 5.9 | <0.56 | 2.3 | 6.6 | 19.9 | <0.78J | 14000 | 60000 |
| Heptane | - | - | - | - | - | - | - | - | - | - | - |
| Hexachloro-1,3-butadiene | <2.9 | <1.0 | <1.0 | <1.1 | <1.3 | <2.9 | <1.1 | <0.97 | <1.1 | - | - |
| N-Hexane | 12.1 | 4.4 | 39.6 | 7.8 | <0.72 | 12.9 | 9.4 | 24.2 | <0.60 | 24333 | 103333 |
| 2-Hexanone | <1.1 | 2.1 | <0.66 | 3 | <0.82 | <1.1 | 5.6 | 2.1 | <0.69 | 1033 | 4333 |
| Isopropylbenzene | - | - | - | - | - | - | - | - | - | - | - |
| Methylene chloride | <0.95 | 7.3 | 188 | 12.2 | <1.1 | 328 | 13.3 | 6.7 | 1.1J | 21000 | 87000 |
| Methyl Butyl Ketone | - | - | - | - | - | - | - | - | - | - | - |
| 4-Methyl-2-pentanone | 5.2 | 1.8 | <0.35 | 4.3 | <0.44 | 3.2 | 10 | 2.9 | <0.36 | 103333 | 433333 |
| Methyl tert-butyl ether | <0.98 | <0.49 | <0.49 | <0.51 | <0.61 | <0.98 | <0.51 | <0.45 | <0.51 | 3700 | 16000 |
| Methyl methacrylate | - | - | - | - | - | - | - | - | - | 24333 | 103333 |
| Naphthalene | <3.6 | 13.4 | <0.49 | 11 | <0.61 | 15.8 | 12.8 | 15.9 | <0.51 | 28 | 120 |
| 2-Propanol | 22.9 | 5.9 | <0.39 | 4.5 | <0.48 | 5.1 | 1.3J | 1.7J | 3.5J | - | - |
| Propylene | <0.47 | <0.22 | <0.22 | <0.23 | <0.27 | <0.47 | <0.23 | <0.20 | <0.23 | 103333 | 433333 |
| Styrene | 4.9 | 8.1 | <0.31 | 8 | 0.92J | 4.5 | 6.5 | 5.6 | 7.9 | 33333 | 146667 |
| 1,1,2,2-Tetrachloroethane | <0.94 | <0.53 | <0.53 | <0.55 | <0.66 | <0.94 | <0.55 | <0.49 | <0.55 | 16 | 70 |
| Tetrachloroethene | **43700** | 1730 | 1220 | 41.1 | 46.3 | 137 | 4730 | 591 | 3450 | 1400 | 6000 |
| Tetrahydrofuran | <0.80 | <0.19 | <0.19 | 1.1 | <0.24 | <0.80 | <0.20 | 1.2 | <0.20 | - | - |
| Toluene | 31.9 | 37.3 | 23.6 | 57.2 | 0.80J | 17.6 | 48.4 | 45.6 | 1.4 | 173333 | 733333 |
| 1,2,4-Trichlorobenzene | <1.3 | <1.5 | <1.5 | <0.55 | <1.8 | <1.3 | <1.5 | <1.4 | <1.5 | 70 | 293 |
| 1,1,1-Trichloroethane | <1.5 | 18.8 | <0.40 | 51.6 | 4.4 | <1.5 | 31.4 | 24.5 | <0.41 | 173333 | 733333 |
| 1,1,2-Trichloroethane | <0.74 | <0.40 | <0.40 | <0.41 | <0.49 | <0.74 | <0.41 | <0.37 | <0.41 | 7 | 29 |
| Trichloroethene | **12300** | **347** | 175 | 6.1 | 1.4 | 32.5 | **1000** | 50.7 | 7 | 70 | 290 |
| Trichlorofluoromethane | <1.5 | 3.4 | 3.1 | 1.6J | 1.3J | <1.5 | 1.4J | 1.8 | 3.6 | - | - |
| 1,1,2-Trichlorotrifluoroethane | <2.1 | <0.48 | <0.48 | <0.51 | <0.61 | <2.1 | <0.51 | <0.45 | <0.51 | - | - |
| 1,2,4 -Trimethylbenzene | 6.2 | 36.2 | 0.2 | 43.1 | 1.6J | 5.3 | 41.4 | 38.8 | <0.21 | 2100 | 8700 |
| 1,3,5 -Trimethylbenzene | 2 | 8.8 | <0.29 | 10.2 | <0.37 | 2.2 | 10.6 | 8.9 | <0.31 | 2100 | 8700 |
| Total Trimethylbenzenes | 8.2 | 45.0 | 0.2/ <0.29 | 53.3 | 1.6J/ <0.37 | 7.5 | 52.0 | 47.7 | <0.21/ <0.31 | - | - |
| 2,2,4-Trimethylpentane | - | - | - | - | | - | - | - | - | - | - |

Table 2
Vapor Analytical Results - Volatile Organic Compounds
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202

| Sample Identification | AS-1 | SS-4 | SS-4B | SS-5 | SS-5B | AS-2 | SS-1 | SS-2 | SS-3 | Residential Sub-Slab VRSL | Small Commercial Sub-Slab VRSL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds (VOC) (Method: TO-15)** | | | | | | | | | | | |
| Vinyl Acetate | <0.95 | <0.53 | <0.53 | 1.4 | <0.66 | <0.95 | <0.55 | <0.49 | <0.55 | 7000 | 29333 |
| Vinyl Bromide | - | - | - | - | - | - | - | - | - | 29 | 127 |
| Vinyl Chloride | 9.8 | <0.31 | <0.31 | <0.33 | <0.39 | <0.35 | <0.33 | <0.29 | <0.33 | 57 | 930 |
| m&p-Xylene | 15.3 | 51.3 | 1.5J | 72.4 | 3.7 | 12.7 | 63.3 | 52.1 | 1.4J | 3300 | 15000 |
| o-Xylene | 4.9 | 17.5 | <0.57 | 23.1 | 1.5J | 3.8 | 20.8 | 17.4 | <0.59 | 3300 | 15000 |
| Total Xylenes | 20.2 | 68.8 | 1.5J/ <0.57 | 95.5 | 3.7/ 1.5J | 16.5 | 84.1 | 69.5 | 1.4J/ <0.59 | 3300 | 15000 |

Notes: All results expressed as µg/m3

VRSL Vapor Risk Screening Level (June 2017 Version)

Residential Sub-slab VRSL exceedances in underline (AF=0.03)

Commercial Sub-slab VRSL exceedances in **bold** (AF=0.03)

\- Sub-slab VRSL not established for this compound

J Analyte detected below limit of quatitation

E Concentration exceeded the calibration range, the reported result is estimated

Time period for sample collection, method and results of leak detection, date, method and results of communication testing unknown

All analysis completed by Pace Analytical Services

Tracer gas was not present in any samples

Table 3
Vapor Analytical Results - Volatile Organic Compounds
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202

| Sample Identification | BREAK ROOM | LAUNDRY ROOM | IA-1 | IA-1B | IA-1C | IA-2 | IA-2B | IA-2C | OA-1B | OA-1B | FOYER | Residential | Small Commercial |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample Type** | **AA** | **AA** | **AA** | **AA** | **AA** | **AA** | **AA** | **AA** | **AA** | **AA** | **AA** | | |
| **Sample Date** | **10/12/11** | **10/12/11** | **06/09/15** | **09/17/15** | **11/17/15** | **06/09/15** | **09/17/15** | **11/17/15** | **09/17/15** | **11/17/15** | **10/12/11** | | |
| **Sample Duration (Hours)** | 8 | 8 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 8 | | |
| **Location** | Basement Break Room | Basement Laundry Room | Basement Break Room | Basement Break Room | Basement Break Room | 1680 N. Jackson Basement | 1680 N. Jackson Basement | 1680 N. Jackson Basement | Outside Between Buildings | Outside Between Buildings | Foyer of Club | **Indoor Air** | **Indoor Air** |
| **Volatile Organic Compounds (VOC) (Method: TO-15)** | | | | | | | | | | | | | |
| Acetone | 63.7 | 35.7 | 66.9 | 30.2 | 10.7 | 89.6 | 62.8 | 20.6 | 13 | 7.1 | 12 | 32000 | 140000 |
| Allyl chloride | - | - | - | - | - | - | - | - | - | - | - | 1 | 4.4 |
| Benzene | <0.87 | <2.2 | 0.86 | 0.64 | <0.18 | 1.1 | 0.91 | 0.59 | <0.19 | <0.18 | <0.44 | 3.6 | 16 |
| Benzyl Chloride | <2.8 | <7.0 | <0.26 | <0.24 | <0.24 | <0.25 | <0.25 | <0.25 | <0.26 | <0.24 | <1.4 | 0.57 | 2.5 |
| Bromodichloromethane | <3.8 | <9.4 | <0.30 | <0.28 | <0.28 | <0.29 | <0.29 | <0.29 | <0.30 | <0.28 | <1.9 | 0.76 | 3.3 |
| Bromoform | <5.6 | <14.1 | <1.4 | <1.36 | <1.3 | <1.3 | <1.3 | <1.3 | <1.4 | <1.3 | <2.8 | 26 | 110 |
| Bromomethane | <2.1 | <5.3 | <0.48 | <0.45 | <0.45 | <0.46 | <0.46 | <0.46 | <0.48 | <0.45 | <1.1 | 5.2 | 22 |
| 1,3-Butadiene | <1.2 | <3.0 | <0.27 | <0.25 | <0.25 | <0.26 | <0.26 | <0.26 | <0.27 | <0.25 | <0.60 | 0.94 | 4.1 |
| 2-Butanone | 4.7 | 8.7 | 13.7 | 3.3 | 1.4J | 9.9 | 9.4 | 3.5J | 2.3 | 1.9J | 4.1 | 5200 | 22000 |
| Carbon Disulfide | <1.7 | <4.2 | <0.16 | <0.15 | <0.15 | 0.79J | 0.59J | <0.15 | <0.16 | <0.15 | <0.84 | 730 | 3100 |
| Carbon tetrachloride | <1.7 | <4.3 | <0.30 | <0.28 | <0.28 | <0.29 | <0.29 | <0.29 | <0.30 | <0.28 | <0.86 | 4.7 | 20 |
| Chlorobenzene | <2.5 | <6.3 | <0.21 | <0.19 | <0.19 | <0.20 | <0.20 | <0.20 | <0.21 | <0.19 | <1.3 | 52 | 220 |
| Chloroethane | <1.4 | <3.6 | <0.30 | <0.28 | <0.28 | <0.298 | <0.29 | <0.29 | <0.30 | <0.28 | <0.72 | - | - |
| Chloroform | <2.7 | <6.6 | <0.29 | <0.27 | <0.27 | <0.28 | <0.28 | <0.28 | <0.29 | <0.27 | <1.3 | 1.2 | 5.3 |
| Chloromethane | <1.1 | <2.8 | 1.2 | 1.1 | 0.8 | 2.0 | <0.16 | 0.73 | 0.7 | <0.69 | <0.56 | 94 | 390 |
| 2-Chlorotoluene | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cyclohexane | <1.8 | <4.6 | 1.3 | 3.7 | 1.1 | 2.3 | <0.47 | <0.47 | <0.49 | <0.46 | <0.91 | 6300 | 26000 |
| Dibromochloromethane | <4.6 | <11.4 | <1.3 | <1.2 | <1.2 | <1.3 | <1.3 | <1.3 | <1.3 | <1.2 | <2.3 | - | - |
| 1,2-Dibromoethane | <4.3 | <10.7 | <1.2 | <1.1 | <1.1 | <1.2 | <1.2 | <1.2 | <1.2 | <1.1 | <2.1 | 0.047 | 0.2 |
| 1,2-Dichlorobenzene | <3.2 | <8.0 | <0.79 | <0.74 | <0.74 | <0.76 | <0.76 | <0.76 | <0.79 | <0.74 | <1.6 | 210 | 880 |
| 1,3-Dichlorobenzene | <3.2 | <8.0 | <0.82 | <0.76 | <0.76 | <0.79 | <0.79 | <0.79 | <0.82 | <0.076 | <1.6 | - | - |
| 1,4-Dichlorobenzene | <3.2 | <8.0 | <0.77 | 2.2 | <0.72 | <0.74 | <0.74 | <0.74 | <0.77 | <0.72 | <1.6 | 2.6 | 11 |
| Dichlorodifluoromethane | <2.7 | <6.7 | 3.2 | 3.4 | 2.4 | <0.72 | 2.4 | 1.4J | 1.5J | 1.4J | <1.3 | 100 | 440 |
| 1,1-Dichloroethane | <2.2 | <5.5 | <0.24 | <0.34 | <0.23 | <0.23 | <0.23 | <0.23 | <0.24 | <0.23 | <1.1 | 18 | 77 |
| 1,2-Dichloroethane | <1.1 | <2.7 | <0.32 | <0.30 | <0.30 | *1.9* | *1.5* | 0.74 | <0.32 | <0.30 | <0.55 | 1.1 | 4.7 |
| 1,1-Dichloroethene | <2.2 | <5.4 | <0.37 | <0.34 | 0.34 | <0.35 | <0.35 | <0.35 | <0.37 | <0.34 | <1.1 | 210 | 880 |
| cis-1,2-Dichloroethene | <2.2 | <5.4 | <0.38 | <0.35 | <0.35 | <0.37 | <0.37 | <0.37 | <0.38 | <0.35 | <1.1 | - | - |
| trans-1,2-Dichloroethene | <2.2 | <5.4 | <0.60 | <0.55 | <0.55 | <0.57 | <0.57 | <0.57 | <0.60 | <0.55 | <1.1 | - | - |
| 1,2-Dichloropropane | <2.5 | <6.3 | <0.42 | <0.39 | <0.39 | <0.40 | <0.40 | <0.40 | <0.42 | <0.39 | <1.3 | 0.76 | 3.3 |
| cis-1,3-Dichloropropene | <2.5 | <6.2 | <0.57 | <0.53 | <0.53 | <0.55 | <0.55 | <0.55 | <0.57 | <0.53 | <1.2 | - | - |
| trans-1,2-Dichloropropene | <2.5 | <6.2 | <0.40 | <0.37 | <0.37 | <0.39 | <0.39 | <0.39 | <0.40 | <0.37 | <1.2 | - | - |
| Dichlorotetrafluoroethane | <3.8 | <9.4 | <0.48 | <0.45 | <0.45 | <0.46 | <0.46 | <0.46 | <0.48 | <0.45 | <1.9 | - | - |
| 1,2-Dichlorotetrafluoroethane | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1,4-Dioxane | - | - | - | - | - | - | - | - | - | - | - | 5.6 | 25 |
| Ethanol | 649 | 515 | 231 | 55.5 | 14.5 | 67.9 | 2720 | 1080 | 3.5 | 3.8 | 206 | - | - |
| Ethyl acetate | <2.0 | <4.9 | 1.6 | <0.50 | <0.50 | 2.4 | 1.7 | 0.84J | <0.54 | <0.50 | 1.2 | 73 | 310 |
| Ethylbenzene | <2.4 | <5.9 | <0.66 | <0.61 | <0.61 | 1.4 | 1.0J | <0.63 | <0.66 | <0.61 | <1.2 | 11 | 49 |
| 4-Ethyltoluene | <6.7 | <16.8 | <0.29 | <0.27 | <0.27 | <0.28 | <0.28 | <0.28 | <0.29 | <0.27 | <3.4 | - | - |
| N-Heptane | <2.2 | <5.6 | 0.84J | <0.40 | <0.40 | <0.42 | <0.42 | <0.42 | <0.43 | <0.40 | <1.1 | 420 | 1800 |
| Heptane | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Hexachloro-1,3-butadiene | <5.9 | <14.7 | <1.0 | <0.94 | <0.94 | <0.97 | <0.97 | <0.97 | <1.0 | <0.94 | <2.9 | - | - |
| N-Hexane | <1.9 | <4.8 | 3.5 | 1.6 | 0.72J | 3.1 | <0.42 | <0.53 | <0.55 | <0.51 | 0.98 | 730 | 3100 |
| 2-Hexanone | <2.2 | <5.6 | 3.6 | <0.59 | <0.59 | 2.1 | 1.8J | 0.75J | <0.64 | <0.59 | <1.1 | 31 | 130 |
| Isopropylbenzene | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Methylene chloride | 24.1 | <4.8 | 4.7J | 7.8 | 1.5J | 4.3J | 2.0J | 0.96J | 2.5J | 1.6J | 9.5 | 630 | 2600 |
| Methyl Butyl Ketone | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4-Methyl-2-pentanone | <2.2 | <5.6 | 1.7 | <0.31 | <0.31 | 2.1 | <0.32 | <0.32 | <0.34 | <0.31 | <1.1 | 3100 | 13000 |
| Methyl tert-butyl ether | <2.0 | <4.9 | <0.47 | <0.44 | <0.44 | <0.45 | <0.45 | <0.45 | <0.47 | <0.44 | <0.98 | 110 | 470 |
| Methyl Methacrylate | - | - | - | - | - | - | - | - | - | - | - | 730 | 3100 |
| Naphthalene | **8.3** | <18.1 | 3.3J | <0.44 | <0.44 | 3.5J | 3.2J | <0.45 | <0.47 | <0.44 | <3.6 | 0.83 | 3.6 |
| 2-Propanol | 27.9 | 143 | 31.5 | 14.3 | 3.7 | 3.5 | <0.36 | 6.5 | 17.8 | 0.61J | 6.7 | - | - |
| Propylene | <0.94 | <2.3 | <0.21 | <0.19 | <0.19 | <0.20 | <0.20 | <0.20 | <0.21 | <0.19 | <0.47 | 3100 | 13000 |
| Styrene | 7.1 | 9.7 | 0.84J | 2.1 | <0.28 | 4.7 | 3.8 | 1.0J | <0.30 | <0.28 | 2 | 1000 | 4400 |
| 1,1,2,2-Tetrachloroethane | <1.9 | <4.7 | <0.51 | <0.47 | <0.47 | <0.49 | <0.49 | <0.49 | <0.51 | <0.47 | <0.94 | 0.48 | 2.1 |
| Tetrachloroethene | <1.8 | 12.9 | 16.3 | 9.0 | 4.9 | 1.7 | 1.1 | 1.4 | <0.43 | <0.40 | <0.92 | 42 | 180 |
| Tetrahydrofuran | <1.6 | <4.0 | <0.18 | <0.17 | <0.17 | 6.9 | 5.5 | <0.18 | <0.18 | <0.17 | <0.80 | - | - |
| Toluene | 184 | 272 | 3 | 4.0 | 0.97J | 11 | 6.1 | 2.7 | 1.4 | 0.58J | 44.4 | 5200 | 22000 |
| 1,2,4-Trichlorobenzene | <2.7 | <6.6 | <1.4 | <1.3 | <1.3 | <1.4 | <1.4 | <1.4 | <1.4 | <1.3 | <1.3 | 2.1 | 8.8 |
| 1,1,1-Trichloroethane | <2.9 | <7.4 | <0.38 | <0.36 | <0.36 | <0.37 | <0.37 | <0.37 | <0.38 | <0.36 | <1.5 | 5200 | 22000 |
| 1,1,2-Trichloroethane | <1.5 | <3.7 | <0.38 | <0.35 | <0.35 | <0.37 | <0.37 | <0.37 | <0.38 | <0.35 | <0.74 | 0.21 | 0.88 |
| Trichloroethene | <1.5 | <3.7 | <0.43 | <0.40 | <0.40 | <0.41 | <0.41 | <0.41 | <0.43 | <0.40 | <0.74 | 2.1 | 8.8 |
| Trichlorofluoromethane | 3.3 | <7.4 | 4.2 | 11.9 | 5.4 | 1.4J | 1.1J | 1.0J | 1.2J | 1.0J | <1.5 | - | - |
| 1,1,2-Trichlorotrifluoroethane | <4.3 | <10.7 | <0.38 | <0.43 | <0.43 | <0.45 | <0.45 | <0.45 | <0.47 | <0.43 | <2.1 | - | - |

Table 3
Vapor Analytical Results - Volatile Organic Compounds
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202

| Sample Identification | BREAK ROOM | LAUNDRY ROOM | IA-1 | IA-1B | IA-1C | IA-2 | IA-2B | IA-2C | OA-1B | OA-1B | FOYER | Residential Indoor Air | Small Commercial Indoor Air |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds (VOC) (Method: TO-15)** | | | | | | | | | | | | | |
| 1,2,4 -Trimethylbenzene | 2.7 | 6.8 | <0.19 | 1.0J | <0.18 | 1.7 | 0.96J | <0.19 | <0.19 | <0.18 | 1.6 | 63 | 260 |
| 1,3,5 -Trimethylbenzene | <2.7 | <6.7 | <0.28 | <0.26 | <0.26 | <0.27 | 0.76J | <0.27 | <0.28 | <0.26 | <1.3 | 63 | 260 |
| Total Trimethylbenzenes | 2.7/ <2.7 | 6.8/ <6.7 | <0.19/ <0.28 | 1.0J/ <0.26 | <0.18/ <0.26 | 1.7/ <0.27 | 0.96J/ <0.76J | <0.19/ <0.27 | <0.19/ <0.28 | <0.18/ <0.26 | 1.6/ <1.3 | - | - |
| 2,2,4-Trimethylpentane | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Vinyl Acetate | <1.9 | <4.8 | 6.5 | <0.48 | 0.80J | <0.49 | 4.2 | 1.3 | <0.51 | <0.48 | <0.95 | 210 | 880 |
| Vinyl Bromide | - | - | - | - | - | - | - | - | - | - | - | 0.88 | 3.8 |
| Vinyl Chloride | <0.7 | <1.7 | <0.30 | <0.28 | <0.28 | <0.29 | <0.29 | <0.29 | <0.30 | <0.28 | <0.35 | 2 | 28 |
| m&p-Xylene | <4.7 | <11.8 | <1.2 | 1.9J | <1.1 | 4.1 | 3.1J | 1.2J | <1.2 | <1.1 | <2.4 | 100 | 440 |
| o-Xylene | <2.4 | <5.9 | <0.54 | 0.64J | <0.51 | 1.6 | 1.2J | <0.52 | <0.54 | <0.51 | <1.2 | 100 | 440 |
| Total Xylenes | <4.7/ <2.4 | <11.8/ <5.9 | <1.2/ <0.54 | 1.9J/ 0.64J | <1.1/ <0.51 | 5.7 | 3.1J/ 1.2J | 1.2J/ <0.52 | <1.2/ <0.54 | <1.1/ <0.51 | <2.4/ <1.2 | 100 | 440 |

Notes: All results expressed as µg/m3
VAL Vapor Action Level (June 2017 Version)
Residential Indoor Air VAL exceedances in underline (AF=0.03)
Commercial Indoor Air VAL exceedances in **bold** (AF=0.03)
- Indoor Air VAL not established for this compound
J Analyte detected below limit of quatitation
E Concentration exceeded the calibration range, the reported result is estimated
Time period for sample collection, method and results of leak detection, date, method and results of communication testing unknown
All analysis completed by Pace Analytical Services
Tracer gas was not present in any samples

Table 4
Soil Analytical Results - Volatile Organic Compounds
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202

| **Sample Date** | **September 12, 2017** | | | | **RCL** | | |
|---|---|---|---|---|---|---|---|
| **Sample Identification** | **GP-35** | **GP-36** | **GP-36** | **GP-36** | **GWP** | **NIDC** | **IDC** |
| **Sample Depth** | 19'-20' | 1'-2' | 9'-10' | 14'-15' | | | |
| **Soil Type** | ML | ML | ML | ML | | | |
| **Volatile Organic Compounds (Method: 8260B)** | | | | | | | |
| Benzene | <0.03 | <0.03 | <0.03 | <0.03 | 0.0051 | 1.6 | 7.07 |
| Bromobenzene | <0.025 | <0.025 | <0.025 | <0.025 | - | 342 | 679 |
| Bromodichloromethane | <0.074 | <0.074 | <0.074 | <0.074 | 0.0003 | 0.418 | 1.83 |
| Bromoform | <0.029 | <0.029 | <0.029 | <0.029 | 0.0023 | 25.4 | 113 |
| n-Butylbenzene | <0.04 | <0.04 | <0.04 | <0.04 | - | 108 | 108 |
| sec-Butylbenzene | <0.033 | <0.033 | <0.033 | <0.033 | - | 145 | 145 |
| tert-Butylbenzene | <0.026 | <0.026 | <0.026 | <0.026 | - | 183 | 183 |
| Carbon tetrachloride | <0.016 | <0.016 | <0.016 | <0.016 | 0.0039 | 0.916 | 4.03 |
| Chlorobenzene | <0.013 | <0.013 | <0.013 | <0.013 | - | 370 | 761 |
| Chloroethane | <0.091 | <0.091 | <0.091 | <0.091 | 0.2266 | - | - |
| Chloroform | <0.035 | <0.035 | <0.035 | <0.035 | 0.0033 | 0.454 | 1.98 |
| Chloromethane | <0.076 | <0.076 | <0.076 | <0.076 | 0.0155 | 159 | 669 |
| 2-Chlorotoluene | <0.015 | <0.015 | <0.015 | <0.015 | - | - | - |
| 4-Chlorotoluene | <0.018 | <0.018 | <0.018 | <0.018 | - | - | - |
| 1,2-Dibromo-3-chloropropane | <0.058 | <0.058 | <0.058 | <0.058 | 0.0002 | 0.008 | 0.092 |
| Dibromochloromethane | <0.025 | <0.025 | <0.025 | <0.025 | 0.032 | 8.28 | 38.9 |
| 1,2-Dibromoethane | <0.023 | <0.023 | <0.023 | <0.023 | 0.0000282 | 0.05 | 0.221 |
| 1,2-Dichlorobenzene | <0.028 | <0.028 | <0.028 | <0.028 | 1.168 | 376 | 376 |
| 1,3-Dichlorobenzene | <0.037 | <0.037 | <0.037 | <0.037 | 1.1528 | 297 | 297 |
| 1,4-Dichlorobenzene | <0.037 | <0.037 | <0.037 | <0.037 | 0.144 | 3.74 | 16.4 |
| Dichlorodifluoromethane | <0.48 | <0.048 | <0.48 | <0.48 | 3.0863 | 126 | 530 |
| 1,1-Dichloroethane | <0.034 | <0.034 | <0.034 | <0.034 | 0.4834 | 5.06 | 22.2 |
| 1,2-Dichloroethane | <0.038 | <0.038 | <0.038 | <0.038 | 0.0028 | 0.652 | 2.87 |
| 1,1-Dichloroethene | <0.022 | <0.022 | <0.022 | <0.022 | 0.005 | 320 | 1190 |
| cis-1,2-Dichloroethene | <0.032 | 0.227 | <0.032 | <0.032 | 0.0412 | 156 | 2340 |
| trans-1,2-Dichloroethene | <0.028 | <0.028 | <0.028 | <0.028 | 0.0626 | 1560 | 1850 |
| 1,2-Dichloropropane | <0.035 | <0.035 | <0.035 | <0.035 | 0.0033 | 0.406 | 1.78 |
| 1,3-Dichloropropane | <0.025 | <0.025 | <0.025 | <0.025 | - | 1490 | 1490 |
| trans-1,3-Dichloropropene | <0.022 | <0.022 | <0.022 | <0.022 | 0.0003 | 1510 | 1510 |
| cis-1,3-Dichloropropene | <0.039 | <0.039 | <0.039 | <0.039 | 0.0003 | 1210 | 1210 |

Notes: All samples collected from the unsaturated zone
All results expressed as mg/kg
RCL Residual Contaminant Level (March 2017 RCL Spreadsheet Update)
IDC Industrial Direct Contact RCL (Exceedances in **bold**)
NIDC Non-Industrial Direct Contact RCL (Exceedances in **bold**)
GWP Groundwater Pathway RCL (Exceedances in **bold**)
- RCL not established for this compound
< Compound not detected at or above the limit of detection (LOD)
J Analyte detected above limit of detection (LOD) and below limit of quantitation (LOQ)

Table 4
Soil Analytical Results - Volatile Organic Compounds
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202

| **Sample Date** | **September 12, 2017** | | | | **RCL** | | |
|---|---|---|---|---|---|---|---|
| **Sample Identification** | **GP-35** | **GP-36** | **GP-36** | **GP-36** | **GWP** | **NIDC** | **IDC** |
| **Sample Depth** | 19'-20' | 1'-2' | 9'-10' | 14'-15' | | | |
| **Volatile Organic Compounds (Method: 8260B)** | | | | | | | |
| Di-isopropyl ether | <0.01 | <0.01 | <0.01 | <0.01 | - | 2260 | 2260 |
| Ethylbenzene | <0.035 | <0.035 | <0.035 | <0.035 | 1.57 | 8.02 | 35.4 |
| Hexachlorobutadiene | <0.085 | <0.085 | <0.085 | <0.085 | - | 1.63 | 7.19 |
| Isopropylbenzene | <0.034 | <0.034 | <0.034 | <0.034 | - | - | - |
| p-Isopropyltoluene | <0.029 | <0.029 | <0.029 | <0.029 | - | 162 | 162 |
| Methylene chloride | <0.15 | <0.15 | <0.15 | <0.15 | 0.0026 | 61.8 | 1150 |
| Methyl tert-butyl ether | <0.05 | <0.05 | <0.05 | <0.05 | 0.027 | 63.8 | 282 |
| Naphthalene | <0.094 | <0.094 | <0.094 | <0.094 | 0.6582 | 5.52 | 24.1 |
| n-Propylbenzene | <0.033 | <0.033 | <0.033 | <0.033 | - | - | - |
| 1,1,1,2-Tetrachloroethane | <0.028 | <0.028 | <0.028 | <0.028 | 0.0534 | 2.78 | 12.3 |
| 1,1,2,2-Tetrachloroethane | <0.028 | <0.028 | <0.028 | <0.028 | 0.0002 | 0.81 | 3.6 |
| Tetrachloroethene | <0.032 | 0.36 | <0.032 | <0.032 | 0.0045 | 33 | 145 |
| Toluene | <0.032 | <0.032 | <0.032 | <0.032 | 1.1 | 818 | 818 |
| 1,2,3-Trichlorobenzene | <0.066 | <0.066 | <0.066 | <0.066 | - | 62.6 | 934 |
| 1,2,4-Trichlorobenzene | <0.064 | <0.064 | <0.064 | <0.064 | 0.408 | 24 | 113 |
| 1,1,1-Trichloroethane | <0.03 | <0.03 | <0.03 | <0.03 | 0.1402 | 640 | 640 |
| 1,1,2-Trichloroethane | <0.033 | <0.033 | <0.033 | <0.033 | 0.0032 | 1.59 | 7.01 |
| Trichloroethene | <0.041 | **1.71** | <0.041 | <0.041 | 0.0036 | 1.3 | 8.41 |
| Trichlorofluoromethane | <0.041 | <0.041 | <0.041 | <0.041 | - | 1230 | 1230 |
| 1,2,4 -Trimethylbenzene | <0.025 | <0.025 | <0.025 | <0.025 | - | 219 | 219 |
| 1,3,5 -Trimethylbenzene | <0.032 | <0.032 | <0.032 | <0.032 | - | 182 | 182 |
| Total Trimethylbenzenes | <0.025/<0.032 | <0.025/<0.032 | <0.025/<0.032 | <0.025/<0.032 | 1.3821 | - | - |
| Vinyl Chloride | <0.019 | <0.019 | <0.019 | <0.019 | 0.0001 | 0.067 | 2.08 |
| m,p-Xylene | <0.072 | <0.072 | <0.072 | <0.072 | - | 778 | 778 |
| o-Xylene | <0.044 | <0.044 | <0.044 | <0.044 | - | 434 | 434 |
| Total Xylenes | <0.072/<0.044 | <0.072/<0.044 | <0.072/<0.044 | <0.072/<0.044 | 3.96 | 260 | 260 |

| | | | | |
|---|---|---|---|---|
| **Cumulative Hazard Index** | 0.0451 | 0.3432 | 0.0451 | 0.0451 |
| **Cumulative Cancer Risk** | 9.10E-06 | **1.00E-05** | 9.10E-06 | 9.10E-06 |

Notes: All samples collected from the unsaturated zone
All results expressed as mg/kg
RCL Residual Contaminant Level (3/2017 RCL Spreadsheet)
IDC Industrial Direct Contact Pathway RCL (Exceedances in **bold** and shaded)
NIDC Non-Industrial Direct Contact RCL (Exceedances in **bold**)
GWP Groundwater Pathway RCL (Exceedances in underline)
- RCL not established for this compound
< Compound not detected at or above the limit of detection (LOD)
J Analyte detected above limit of detection (LOD) and below limit of quantitation (LOQ)

Table 5
Soil Analytical Results - Volatile Organic Compounds
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202

| Sample Date | October 19, 2017 | | | | | RCL | | |
|---|---|---|---|---|---|---|---|---|
| Sample Identification | GP-37 | GP-38 | GP-38 | GP-39 | GP-39 | GWP | NIDC | IDC |
| Sample Depth | 3'-4' | 3'-4' | 7'-8' | 3'-4' | 6'-7' | | | |
| Soil Type | GW | CL | CL | CL | CL | | | |
| **Volatile Organic Compounds (Method: 8260B)** | | | | | | | | |
| Benzene | <0.03 | <0.03 | <0.03 | <0.06 | 0.045J | 0.0051 | 1.6 | 7.07 |
| Bromobenzene | <0.025 | <0.025 | <0.025 | <0.05 | <0.025 | - | 342 | 679 |
| Bromodichloromethane | <0.074 | <0.074 | <0.074 | <0.148 | <0.074 | 0.0003 | 0.418 | 1.83 |
| Bromoform | <0.029 | <0.029 | <0.029 | <0.058 | <0.029 | 0.0023 | 25.4 | 113 |
| n-Butylbenzene | <0.04 | <0.211 | <0.04 | <0.08 | <0.04 | - | 108 | 108 |
| sec-Butylbenzene | <0.033 | 0.10J | <0.033 | <0.066 | <0.033 | - | 145 | 145 |
| tert-Butylbenzene | <0.026 | <0.026 | <0.026 | <0.052 | <0.026 | - | 183 | 183 |
| Carbon tetrachloride | <0.016 | <0.016 | <0.016 | <0.032 | <0.016 | 0.0039 | 0.916 | 4.03 |
| Chlorobenzene | <0.013 | <0.013 | <0.013 | <0.026 | <0.013 | - | 370 | 761 |
| Chloroethane | <0.091 | <0.091 | <0.091 | <0.182 | <0.091 | 0.2266 | - | - |
| Chloroform | <0.035 | <0.035 | <0.035 | <0.07 | <0.035 | 0.0033 | 0.454 | 1.98 |
| Chloromethane | <0.076 | <0.076 | <0.076 | <0.152 | <0.076 | 0.0155 | 159 | 669 |
| 2-Chlorotoluene | <0.015 | <0.015 | <0.015 | <0.03 | <0.015 | - | - | - |
| 4-Chlorotoluene | <0.018 | <0.018 | <0.018 | <0.036 | <0.018 | - | - | - |
| 1,2-Dibromo-3-chloropropane | <0.058 | <0.058 | <0.058 | <0.116 | <0.058 | 0.0002 | 0.008 | 0.092 |
| Dibromochloromethane | <0.025 | <0.025 | <0.025 | <0.05 | <0.025 | 0.032 | 8.28 | 38.9 |
| 1,2-Dibromoethane | <0.023 | <0.023 | <0.023 | <0.046 | <0.023 | 0.0000282 | 0.05 | 0.221 |
| 1,2-Dichlorobenzene | <0.028 | <0.028 | <0.028 | <0.056 | <0.028 | 1.168 | 376 | 376 |
| 1,3-Dichlorobenzene | <0.037 | <0.037 | <0.037 | <0.074 | <0.037 | 1.1528 | 297 | 297 |
| 1,4-Dichlorobenzene | <0.037 | <0.037 | <0.037 | <0.074 | <0.037 | 0.144 | 3.74 | 16.4 |
| Dichlorodifluoromethane | <0.48 | <0.48 | <0.48 | <0.096 | <0.48 | 3.0863 | 126 | 530 |
| 1,1-Dichloroethane | <0.034 | <0.034 | <0.034 | <0.068 | <0.034 | 0.4834 | 5.06 | 22.2 |
| 1,2-Dichloroethane | <0.038 | <0.038 | <0.038 | <0.076 | <0.038 | 0.0028 | 0.652 | 2.87 |
| 1,1-Dichloroethene | <0.022 | <0.022 | <0.022 | <0.044 | <0.022 | 0.005 | 320 | 1190 |
| cis-1,2-Dichloroethene | <0.032 | <0.032 | <0.032 | <0.064 | <0.032 | 0.0412 | 156 | 2340 |
| trans-1,2-Dichloroethene | <0.028 | <0.028 | <0.028 | <0.056 | <0.028 | 0.0626 | 1560 | 1850 |
| 1,2-Dichloropropane | <0.035 | <0.035 | <0.035 | <0.07 | <0.035 | 0.0033 | 0.406 | 1.78 |
| 1,3-Dichloropropane | <0.025 | <0.025 | <0.025 | <0.05 | <0.025 | - | 1490 | 1490 |
| trans-1,3-Dichloropropene | <0.022 | <0.022 | <0.022 | <0.044 | <0.022 | 0.0003 | 1510 | 1510 |
| cis-1,3-Dichloropropene | <0.039 | <0.039 | <0.039 | <0.078 | <0.039 | 0.0003 | 1210 | 1210 |

Notes: All samples collected from the unsaturated zone
All results expressed as mg/kg
RCL Residual Contaminant Level (March 2017 RCL Spreadsheet Update)
IDC Industrial Direct Contact RCL (Exceedances in **bold**)
NIDC Non-Industrial Direct Contact RCL (Exceedances in **bold**)
GWP Groundwater Pathway RCL (Exceedances in **bold**)
- RCL not established for this compound
< Compound not detected at or above the limit of detection (LOD)
J Analyte detected above limit of detection (LOD) and below limit of quantitation (LOQ)

Table 5
Soil Analytical Results - Volatile Organic Compounds
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202

| **Sample Date** | **October 19, 2017** | | | | | **RCL** | | |
|---|---|---|---|---|---|---|---|---|
| **Sample Identification** | **GP-37** | **GP-38** | **GP-38** | **GP-39** | **GP-39** | **GWP** | **NIDC** | **IDC** |
| **Sample Depth** | 3'-4' | 3'-4' | 7'-8' | 3'-4' | 6'-7' | | | |
| **Volatile Organic Compounds (Method: 8260B)** | | | | | | | | |
| Di-isopropyl ether | <0.01 | <0.01 | <0.01 | <0.02 | <0.01 | - | 2260 | 2260 |
| Ethylbenzene | <0.035 | <0.035 | <0.035 | <0.07 | <0.035 | 1.57 | 8.02 | 35.4 |
| Hexachlorobutadiene | <0.085 | <0.085 | <0.085 | <0.17 | <0.085 | - | 1.63 | 7.19 |
| Isopropylbenzene | <0.034 | 0.112 | <0.034 | <0.068 | <0.034 | - | - | - |
| p-Isopropyltoluene | <0.029 | <0.029 | <0.029 | <0.058 | <0.029 | - | 162 | 162 |
| Methylene chloride | <0.15 | <0.15 | <0.15 | <0.3 | <0.15 | 0.0026 | 61.8 | 1150 |
| Methyl tert-butyl ether | <0.05 | <0.05 | <0.05 | <0.1 | <0.05 | 0.027 | 63.8 | 282 |
| Naphthalene | <0.094 | <0.094 | <0.094 | <0.188 | <0.094 | 0.6582 | 5.52 | 24.1 |
| n-Propylbenzene | <0.033 | 0.50 | <0.033 | <0.066 | <0.033 | - | - | - |
| 1,1,1,2-Tetrachloroethane | <0.028 | <0.028 | <0.028 | <0.056 | <0.028 | 0.0534 | 2.78 | 12.3 |
| 1,1,2,2-Tetrachloroethane | <0.028 | <0.028 | <0.028 | <0.056 | <0.028 | 0.0002 | 0.81 | 3.6 |
| Tetrachloroethene | <0.032 | 0.202 | 0.169 | 27.3 | <0.032 | 0.0045 | 33 | 145 |
| Toluene | <0.032 | <0.032 | <0.032 | <0.064 | <0.032 | 1.1 | 818 | 818 |
| 1,2,3-Trichlorobenzene | <0.066 | <0.066 | <0.066 | <0.128 | <0.066 | - | 62.6 | 934 |
| 1,2,4-Trichlorobenzene | <0.064 | <0.064 | <0.064 | <0.132 | <0.064 | 0.408 | 24 | 113 |
| 1,1,1-Trichloroethane | <0.03 | <0.03 | <0.03 | <0.06 | <0.03 | 0.1402 | 640 | 640 |
| 1,1,2-Trichloroethane | <0.033 | <0.033 | <0.033 | <0.066 | <0.033 | 0.0032 | 1.59 | 7.01 |
| Trichloroethene | <0.041 | <0.041 | <0.041 | 0.199J | <0.041 | 0.0036 | 1.3 | 8.41 |
| Trichlorofluoromethane | <0.041 | <0.041 | <0.041 | <0.082 | <0.041 | - | 1230 | 1230 |
| 1,2,4 -Trimethylbenzene | <0.025 | <0.025 | <0.025 | <0.05 | <0.025 | - | 219 | 219 |
| 1,3,5 -Trimethylbenzene | <0.032 | <0.032 | <0.032 | <0.064 | <0.032 | - | 182 | 182 |
| Total Trimethylbenzenes | <0.025/ <0.032 | <0.025/ <0.032 | <0.025/ <0.032 | <0.05/ <0.064 | <0.025/ <0.032 | 1.3821 | - | - |
| Vinyl Chloride | <0.019 | <0.019 | <0.019 | <0.038 | <0.019 | 0.0001 | 0.067 | 2.08 |
| m,p-Xylene | <0.072 | <0.072 | <0.072 | <0.144 | <0.072 | - | 778 | 778 |
| o-Xylene | <0.044 | <0.044 | <0.044 | <0.088 | <0.044 | - | 434 | 434 |
| Total Xylenes | <0.072/ <0.044 | <0.072/ <0.044 | <0.072/ <0.044 | <0.144/ <0.088 | <0.072/ <0.044 | 3.96 | 260 | 260 |

| | | | | | |
|---|---|---|---|---|---|
| **Cumulative Hazard Index** | 0.0451 | 0.0467 | 0.0464 | 0.3537 | 0.0452 |
| **Cumulative Cancer Risk** | 9.10E-06 | 9.10E-06 | 9.10E-06 | **1.90E-05** | 9.10E-06 |

Notes: All samples collected from the unsaturated zone
All results expressed as mg/kg
RCL Residual Contaminant Level (3/2017 RCL Spreadsheet)
IDC Industrial Direct Contact Pathway RCL (Exceedances in **bold** and shaded)
NIDC Non-Industrial Direct Contact RCL (Exceedances in **bold**)
GWP Groundwater Pathway RCL (Exceedances in underline)
- RCL not established for this compound
< Compound not detected at or above the limit of detection (LOD)
J Analyte detected above limit of detection (LOD) and below limit of quantitation (LOQ)

Table 5
Soil Analytical Results - Volatile Organic Compounds
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202

| Sample Date | October 19, 2017 | | | | | RCL | | |
|---|---|---|---|---|---|---|---|---|
| Sample Identification | GP-40 | GP-40 | GP-41 | GP-42 | GP-42 | GWP | NIDC | IDC |
| Sample Depth | 3'-4' | 5'-6' | 3'-4' | 3'-4' | 7'-8' | | | |
| Soil Type | CL | CL | CL | CL | ML | | | |
| **Volatile Organic Compounds (Method: 8260B)** | | | | | | | | |
| Benzene | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.0051 | 1.6 | 7.07 |
| Bromobenzene | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | - | 342 | 679 |
| Bromodichloromethane | <0.074 | <0.074 | <0.074 | <0.074 | <0.074 | 0.0003 | 0.418 | 1.83 |
| Bromoform | <0.029 | <0.029 | <0.029 | <0.029 | <0.029 | 0.0023 | 25.4 | 113 |
| n-Butylbenzene | 1.1 | <0.04 | <0.04 | <0.04 | <0.04 | - | 108 | 108 |
| sec-Butylbenzene | 0.291 | <0.033 | <0.033 | <0.033 | <0.033 | - | 145 | 145 |
| tert-Butylbenzene | <0.026 | <0.026 | <0.026 | <0.026 | <0.026 | - | 183 | 183 |
| Carbon tetrachloride | <0.016 | <0.016 | <0.016 | <0.016 | <0.016 | 0.0039 | 0.916 | 4.03 |
| Chlorobenzene | <0.013 | <0.013 | <0.013 | <0.013 | <0.013 | - | 370 | 761 |
| Chloroethane | <0.091 | <0.091 | <0.091 | <0.091 | <0.091 | 0.2266 | - | - |
| Chloroform | <0.035 | <0.035 | <0.035 | <0.035 | <0.035 | 0.0033 | 0.454 | 1.98 |
| Chloromethane | <0.076 | <0.076 | <0.076 | <0.076 | <0.076 | 0.0155 | 159 | 669 |
| 2-Chlorotoluene | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | - | - | - |
| 4-Chlorotoluene | <0.018 | <0.018 | <0.018 | <0.018 | <0.018 | - | - | - |
| 1,2-Dibromo-3-chloropropane | <0.058 | <0.058 | <0.058 | <0.058 | <0.058 | 0.0002 | 0.008 | 0.092 |
| Dibromochloromethane | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | 0.032 | 8.28 | 38.9 |
| 1,2-Dibromoethane | <0.023 | <0.023 | <0.023 | <0.023 | <0.023 | 0.0000282 | 0.05 | 0.221 |
| 1,2-Dichlorobenzene | <0.028 | <0.028 | <0.028 | <0.028 | <0.028 | 1.168 | 376 | 376 |
| 1,3-Dichlorobenzene | <0.037 | <0.037 | <0.037 | <0.037 | <0.037 | 1.1528 | 297 | 297 |
| 1,4-Dichlorobenzene | <0.037 | <0.037 | <0.037 | <0.037 | <0.037 | 0.144 | 3.74 | 16.4 |
| Dichlorodifluoromethane | <0.48 | <0.48 | <0.48 | <0.48 | <0.48 | 3.0863 | 126 | 530 |
| 1,1-Dichloroethane | <0.034 | <0.034 | <0.034 | <0.034 | <0.034 | 0.4834 | 5.06 | 22.2 |
| 1,2-Dichloroethane | <0.038 | <0.038 | <0.038 | <0.038 | <0.038 | 0.0028 | 0.652 | 2.87 |
| 1,1-Dichloroethene | <0.022 | <0.022 | <0.022 | <0.022 | <0.022 | 0.005 | 320 | 1190 |
| cis-1,2-Dichloroethene | <0.032 | <0.032 | <0.032 | <0.032 | <0.032 | 0.0412 | 156 | 2340 |
| trans-1,2-Dichloroethene | <0.028 | <0.028 | <0.028 | <0.028 | <0.028 | 0.0626 | 1560 | 1850 |
| 1,2-Dichloropropane | <0.035 | <0.035 | <0.035 | <0.035 | <0.035 | 0.0033 | 0.406 | 1.78 |
| 1,3-Dichloropropane | <0.025 | <0.025 | <0.025 | <0.025 | <0.025 | - | 1490 | 1490 |
| trans-1,3-Dichloropropene | <0.022 | <0.022 | <0.022 | <0.022 | <0.022 | 0.0003 | 1510 | 1510 |
| cis-1,3-Dichloropropene | <0.039 | <0.039 | <0.039 | <0.039 | <0.039 | 0.0003 | 1210 | 1210 |

Notes: All samples collected from the unsaturated zone
All results expressed as mg/kg
RCL Residual Contaminant Level (3/2017 RCL Spreadsheet)
IDC Industrial Direct Contact RCL (Exceedances in **bold**)
NIDC Non-Industrial Direct Contact RCL (Exceedances in **bold**)
GWP Groundwater Pathway RCL (Exceedances in **bold**)
- RCL not established for this compound
< Compound not detected at or above the limit of detection (LOD)
J Analyte detected above limit of detection (LOD) and below limit of quantitation (LOQ)

Table 5
Soil Analytical Results - Volatile Organic Compounds
Former Comedy Club Cafe
615 E. Brady Street
Milwaukee, Wisconsin 53202

| **Sample Date** | **October 19, 2017** | | | | | **RCL** | | |
|---|---|---|---|---|---|---|---|---|
| **Sample Identification** | **GP-40** | **GP-40** | **GP-41** | **GP-42** | **GP-42** | **GWP** | **NIDC** | **IDC** |
| **Sample Depth** | 3'-4' | 5'-6' | 3'-4' | 3'-4' | 7'-8' | | | |
| **Volatile Organic Compounds (Method: 8260B)** | | | | | | | | |
| Di-isopropyl ether | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | - | 2260 | 2260 |
| Ethylbenzene | 0.309 | <0.035 | <0.035 | <0.035 | <0.035 | 1.57 | 8.02 | 35.4 |
| Hexachlorobutadiene | <0.085 | <0.085 | <0.085 | <0.085 | <0.085 | - | 1.63 | 7.19 |
| Isopropylbenzene | 0.253 | <0.034 | <0.034 | <0.034 | <0.034 | - | - | - |
| p-Isopropyltoluene | 0.104 | <0.029 | <0.029 | <0.029 | <0.029 | - | 162 | 162 |
| Methylene chloride | <0.15 | <0.15 | <0.15 | <0.15 | <0.15 | 0.0026 | 61.8 | 1150 |
| Methyl tert-butyl ether | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.027 | 63.8 | 282 |
| Naphthalene | <0.094 | <0.094 | <0.094 | <0.094 | <0.094 | 0.6582 | 5.52 | 24.1 |
| n-Propylbenzene | 1.31 | <0.033 | <0.033 | <0.033 | <0.033 | - | - | - |
| 1,1,1,2-Tetrachloroethane | <0.028 | <0.028 | <0.028 | <0.028 | <0.028 | 0.0534 | 2.78 | 12.3 |
| 1,1,2,2-Tetrachloroethane | <0.028 | <0.028 | <0.028 | <0.028 | <0.028 | 0.0002 | 0.81 | 3.6 |
| Tetrachloroethene | 0.054J | 0.164 | 0.048J | 0.034J | 0.132 | 0.0045 | 33 | 145 |
| Toluene | <0.032 | <0.032 | <0.032 | <0.032 | <0.032 | 1.1 | 818 | 818 |
| 1,2,3-Trichlorobenzene | <0.066 | <0.066 | <0.066 | <0.066 | <0.066 | - | 62.6 | 934 |
| 1,2,4-Trichlorobenzene | <0.064 | <0.064 | <0.064 | <0.064 | <0.064 | 0.408 | 24 | 113 |
| 1,1,1-Trichloroethane | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.1402 | 640 | 640 |
| 1,1,2-Trichloroethane | <0.033 | <0.033 | <0.033 | <0.033 | <0.033 | 0.0032 | 1.59 | 7.01 |
| Trichloroethene | <0.041 | <0.041 | <0.041 | <0.041 | <0.041 | 0.0036 | 1.3 | 8.41 |
| Trichlorofluoromethane | <0.041 | <0.041 | <0.041 | <0.041 | <0.041 | - | 1230 | 1230 |
| 1,2,4 -Trimethylbenzene | 0.048J | <0.025 | <0.025 | <0.025 | <0.025 | - | 219 | 219 |
| 1,3,5 -Trimethylbenzene | <0.032 | <0.032 | <0.032 | <0.032 | <0.032 | - | 182 | 182 |
| Total Trimethylbenzenes | <0.025/ <0.032 | <0.025/ <0.032 | <0.025/ <0.032 | <0.025/ <0.032 | <0.025/ <0.032 | 1.3821 | - | - |
| Vinyl Chloride | <0.019 | <0.019 | <0.019 | <0.019 | <0.019 | 0.0001 | 0.067 | 2.08 |
| m,p-Xylene | <0.072 | <0.072 | <0.072 | <0.072 | <0.072 | - | 778 | 778 |
| o-Xylene | <0.044 | <0.044 | <0.044 | <0.044 | <0.044 | - | 434 | 434 |
| Total Xylenes | <0.072/ <0.044 | <0.072/ <0.044 | <0.072/ <0.044 | <0.072/ <0.044 | <0.072/ <0.044 | 3.96 | 260 | 260 |

| | | | | | |
|---|---|---|---|---|---|
| **Cumulative Hazard Index** | 0.0457 | 0.0463 | 0.0453 | 0.0451 | 0.046 |
| **Cumulative Cancer Risk** | 9.10E-06 | 9.10E-06 | 9.10E-06 | 9.10E-06 | 9.10E-06 |

Notes: All samples collected from the unsaturated zone
All results expressed as mg/kg
RCL Residual Contaminant Level (3/2017 RCL Spreadsheet)
IDC Industrial Direct Contact Pathway RCL (Exceedances in **bold** and shaded)
NIDC Non-Industrial Direct Contact RCL (Exceedances in **bold**)
GWP Groundwater Pathway RCL (Exceedances in underline)
- RCL not established for this compound
< Compound not detected at or above the limit of detection (LOD)
J Analyte detected above limit of detection (LOD) and below limit of quantitation (LOQ)