



# Phase I Environmental Site Assessment

Illinois Terminal Expansion

Prepared for Champaign-Urbana Mass Transit  
District

*City of Champaign, Champaign County, State of Illinois*  
August 21, 2020





# **Phase I Environmental Site Assessment**

## **Illinois Terminal Expansion**

City of Champaign, Champaign County, State of Illinois  
HDR Project # 10229523-004

**Prepared for:**

Champaign-Urbana Mass Transit District  
1101 East University Avenue  
Urbana, IL 61802-2009



9450 West Bryn Mawr Avenue, Suite 400  
Rosemont, IL 60018  
773-380-7900

[hdrinc.com](http://hdrinc.com)





## Contents

Executive Summary .....	1
1 Purpose .....	7
1.1 Report Users .....	8
1.2 Scope of Services, Significant Assumptions, and Limitations.....	8
2 Site Description .....	11
2.1 Location and Legal Description .....	11
2.2 Description of Structures, Roads, and Other Site Improvements .....	11
2.3 Site Vicinity Characteristics .....	13
2.4 Area Geology and Hydrogeology .....	13
3 User Provided Information.....	16
4 Records Review .....	17
4.1 Environmental Records Review .....	17
4.1.1 Subject Property .....	17
4.2 Additional Regulatory Information .....	19
4.2.1 Online Sources.....	19
4.2.2 Agency File Review.....	19
5 Historical Use Information .....	23
5.1 Fire Insurance Maps.....	23
5.2 City Directory Information.....	26
5.3 Zoning Maps.....	29
5.4 Historical Aerial Photographs .....	30
5.5 Historical Topographic Maps.....	32
5.6 Environmental Liens, Activity Use Limitations (AULs) and Additional Information .....	32
5.7 Summary of Previous Environmental Investigations.....	33
6 Interviews .....	35
6.1 Site Interviews .....	35
6.2 Off-Site Interviews .....	35
7 Site Reconnaissance.....	36
7.1 Site Reconnaissance Observations .....	36
7.1.1 Site Reconnaissance of Christie Clinic Parking Lot.....	36
7.1.2 Site Reconnaissance of University and Market Parking Lot, and exterior of Illinois Terminal .....	36
7.1.3 Site Reconnaissance of Interior of Illinois Terminal (45 East University Avenue) .....	37
7.1.4 Site Reconnaissance of Railroad Right-of-Way.....	37
7.2 Utilities and PCBs.....	37
7.3 Vapor Intrusion Potential.....	37
8 Data Gap Analysis.....	38
9 Findings, Opinions, and Conclusions.....	39
9.1 Findings .....	39

9.2	Opinions .....	40
9.3	Conclusions .....	43
10	Recommendations .....	44
11	Qualifications of Environmental Professionals .....	45
12	References .....	46

## Tables

Table 4-1.	Summary of Environmental Records Review .....	17
Table 4-2.	Summary of Agency File Review .....	19
Table 5-1.	Summary of Fire Insurance Map Review .....	23
Table 5-2.	Summary of City Directory Listings at the Subject Property .....	26
Table 5-3.	Summary of City Directory Listings at Surrounding Properties .....	28
Table 5-4.	Summary of Historical Zoning Maps .....	29
Table 5-5.	Summary of Historical Aerial Photographs .....	30
Table 5-6.	Summary of Historical Topographic Maps .....	32

## Figures

Figure 2-1.	Site Location Map .....	14
Figure 2-2.	Site Detail Map .....	15
Figure 5-1.	Historical Facilities and Areas .....	34

## Appendices

Appendix A.	Environmental Database Report .....	A-1
Appendix B.	Agency File Review and Previous Reports .....	B-1
Appendix C.	Historical Fire Insurance Maps .....	C-1
Appendix D.	City Directory Report .....	D-1
Appendix E.	EDR Aerial Photograph Report .....	E-1
Appendix F.	EDR Topographic Map Report .....	F-1
Appendix G.	Site Photographs .....	G-1



*This page is intentionally left blank.*



# Executive Summary

HDR has conducted a Phase I Environmental Site Assessment (Phase I ESA) for the Illinois Terminal Expansion Project (“Project”) located in Champaign, Illinois for Champaign-Urbana Mass Transit District (CUMTD). HDR prepared this Phase I ESA for CUMTD, who is requesting a Phase I ESA in support of environmental due diligence for the proposed expansion of the Illinois Terminal.

The proposed Project footprint (“Subject Property”) consists of the entirety of four tax parcels, a portion of a railroad right-of-way (ROW), a landscaped area in its northern portion, and a portion of South Market Street, all of which reside in the City of Champaign, Champaign County, Illinois (Section 12, Township 19N, Range 8E). The Subject Property is approximately seven acres in area. Please refer to the Project Location Map and Site Detail Maps (Figure 2-1 and Figure 2-2) for further detail.

According to HDR’s review of historical sources, including aerial photographs, topographic maps, Sanborn fire insurance maps, and city directories, the Subject Property included a freight railroad terminal, lumber yard, several factories, and manufacturing facilities throughout its history between the late 1800s and the early 1990s. Illinois Terminal was constructed in 1998, and the Subject Property’s configuration has remained largely similar since that time.

This Phase I ESA identifies Recognized Environmental Conditions (RECs) that may adversely affect the Subject Property, and was conducted in accordance with the scope and limitations of the ASTM International (ASTM) Practice E1527-13. This report includes a summary of the site reconnaissance conducted on August 11, 2020, reviews of environmental databases, historical data sources, environmental liens, and personal interviews. Any exceptions to or deletions from these ASTM practices are described in later sections.

Based on conditions noted within the Subject Property, HDR identified RECs associated with the Subject Property.

## Findings

General findings of this assessment include the following:

- The Subject Property has been largely industrial throughout its history including uses such as manufacturing facilities, a lumber yard, food processing plants, several auto repair garages, and a steam laundry building.
- The Illinois Terminal parcel and the University & Market Municipal Parking Lot parcel were operated as a railroad terminal since prior to 1887.
- A railroad ROW is located along the eastern portion of the Subject Property.
- South Chestnut Street ran along the western boundary of the Illinois Terminal Parcel and through Lot Logan & Market parcel from 1909 to 1993.
- An unpaved parking lot building was located in the northern portion of Christie Clinic Parking Lot in 1924.

- Fourteen underground storage tanks were removed from the Subject Property in 1996 and 1998. Visibly contaminated soil was present in all of the excavations. A No Further Action/No Further Remediation (NFA/NFR) determination was later granted by the Illinois Environmental Protection Agency (IEPA), however, details relating to clean-up efforts were not found.
- Two USTs were depicted on a Sanborn (fire insurance map), as reported by Bern, Clancy & Associates (BC&A) in a 1998 letter to IEPA. BC&A did not find the suspected USTs during excavation activities at the Subject Property.
- A gasoline filling station was located at 44 East University Avenue, located opposite East University Avenue from Subject Property between 1944 and 1963.
- Two LUSTs have been reported 65 feet south of the Christie Clinic Parking Lot parcel. One LUST was reported in 1993, and the other was reported in 2007.
- The Subject Property was zoned industrial and commercial from 1945 to 1989.
- The Illinois Terminal building at the Subject Property was constructed in 1998.
- A gasoline and oil storage building was located in the eastern portion of the Illinois Terminal Parcel in 1924.
- A fuel oil AST was located at 45 East University Avenue from 1924 to 1948 when it was replaced with a larger AST in the same location, which was removed by 1967.
- An AST was installed in the southwestern portion of 45 East University Avenue along the north side of the building at 132 South Market Street in 1967 and removed in 1977.
- The Illinois Terminal building is heated by natural gas fired boilers.
- Several chemical storage areas are located throughout the Illinois Terminal building.
- A hydraulic elevation is located in the Illinois Terminal building.
- Two Calmac IceBanks (ice tanks) are in the southeast corner of the Subject Property.

## Opinions

### *Recognized Environmental Conditions (RECs)*

#### **HISTORICAL RAILROAD OPERATIONS**

The portion of the Subject Property east of South Market Street operated historically as a railroad terminal. Several tracks had been installed and removed prior to 1924, and a single track remains in the Railroad Right-of-Way Parcel.

Railroad operations can cause contamination including semi-volatile organic compounds (SVOCs) such as creosote and pentachlorophenol (PCP) from wood preservative, volatile organic compounds (VOCs) from lubricants used to maintain trains, and heavy metals and herbicides from track maintenance. The Subject Property's historical use as a railroad terminal is considered a REC.

### **AUTOMOBILE REPAIR GARAGES**

Three automobile repair garages have operated at the Subject Property:

- A repair garage in the northwest corner of Christie Clinic Parking Lot operated in 1924.
- A repair garage in the southwest corner of Christie Clinic Parking Lot operated between 1924 and 1958.
- A repair garage in the southeast corner of Christie Clinic Parking Lot operated between 1924 and 1974.

Automobile repair garages are commonly contaminated with petroleum hydrocarbons and VOCs from automotive fluids spilled during repairs, and leaking waste oil storage tanks. Repair garages can also be contaminated with PCBs from leaking hydraulic lifts installed after the mass manufacturing of PCBs in the United States in 1929. The historical presence of three automobile repair garages at the Subject Property is considered a REC.

### **INDUSTRIAL HISTORY OF THE SUBJECT PROPERTY**

The Subject Property has contained several manufacturing facilities, food processing plants, and a lumber yard throughout its history:

- A blacksmith shop and wagon yard was located in the northern portion of Christie Clinic Parking Lot between 1897 and 1909.
- The southern portion of Christie Clinic Parking Lot included a machine shop, a foundry, and a tin shop between 1897 and 1937.
- A cigar factor was located in the southwest portion of Christie Clinic Parking Lot in 1915.
- A dairy plant was located in the southeast portion of Christie Clinic Parking Lot in 1915.
- Illinois Terminal Parcel and University & Market Municipal Parking Lot operated as a lumber yard between 1887 and 1924.
- National Biscuit Co. operated in the southern portion University & Market Municipal Parking Lot in 1915.
- A dairy processing plant was located in the Lot Logan & Market Parcel between 1924 and 1951.

The Subject Property may have been impacted by the industrial land use resulting in potential contamination from VOCs (from fuels, lubricants, and solvents), SVOCs (from wood preservatives and nearby combustion), and heavy metals (from manufacturing processes). The historical presence of these industrial uses is considered a REC.

### **HISTORICAL GASOLINE AND OIL STORAGE BUILDING AT ILLINOIS TERMINAL PARCEL**

A building identified as “Gasoline and Oil Storage” was depicted on a Sanborn Map dated 1924. No additional information as to the type of petroleum storage (ASTs or USTs) associated with the building was provided by the map.

The historical presence of a gasoline and oil storage building may indicate the presence of petroleum contamination at the parcel, and could be associated with the USTs removed between 1996 and 1998. The historical presence of the gasoline and oil storage building is considered a REC.

#### **HISTORICAL ABOVEGROUND STORAGE TANKS IN EASTERN PORTION OF SUBJECT PROPERTY**

Several ASTs have been located in the southeastern portion of the Subject Property since 1924 until the 1970s. It is possible that these ASTs may have leaked and contaminated the southeastern portion of the Subject Property with petroleum hydrocarbons. The historical presence of the ASTs at the Subject Property is considered a REC.

#### *Historical Recognized Environmental Conditions*

#### **HISTORICAL LEAKING UNDERGROUND STORAGE TANKS**

Fourteen leaking underground storage tanks were removed from the Illinois Terminal Parcel and the University & Market Parking Lot between 1996 and 1998. OSFM reported significant to major soil contamination during the tank excavations.

IEPA issued an NFA/NFR determination in 1997 for thirteen of the LUSTs after meeting remedial action objectives. Remedial action was not required for the fourteenth LUST because it had been taken out of service prior to January 2, 1974.

Petroleum hydrocarbon, VOC, and lead contamination is likely present at the Subject Property from the LUST incidents, however, the incidents have been closed by IEPA. The fourteen historical LUSTs and likely remaining contamination at the Subject Property is considered an HREC.

#### *De Minimis conditions*

#### **HISTORICAL HYDRAULIC ELEVATORS**

Several elevators have been present in several historical buildings at the Subject Property. Although hydraulic elevators have been common throughout the twentieth century, and hydraulic fluid has historically contained PCBs, all of the elevators observed during the Sanborn Map review were installed prior to the mass manufacturing of PCBs in the United States in 1929. The historical presence of suspect hydraulic elevators at the Subject Property is de minimis.

#### *Other Opinions*

#### **HISTORICAL STEAM LAUNDRY FACILITY**

White Star Steam Laundry was located in the southwest portion of the University & Market Municipal Parking Lot in 1909. During the 1900s, steam laundry facilities were named for their method of power, and not their method of cleaning. Additionally, trichloroethylene was not widely used in dry cleaning operations. The historical presence of White Star Steam Laundry is not a REC.

#### **HYDRAULIC ELEVATOR IN THE ILLINOIS TERMINAL BUILDING**

A hydraulic elevator is present inside of the Illinois Terminal Building. Hydraulic fluid no longer contained PCBs when the elevator was installed during the buildings construction in 1998. The elevator was observed to be well maintained and does not pose a material threat of release. The presence of the hydraulic elevator at the site is not a REC.

#### **SERVICE STATION AND UNDERGROUND STORAGE TANKS DESCRIBED IN LUST INCIDENT REPORT**

BC&A reported a LUST in 1998 after observing a historical service station and two USTs on a Sanborn Map. None of the Sanborn Maps reviewed during this Phase I ESA depicted a services station or USTs within the Illinois Terminal Parcel or the University & Market Parking Lot. A service station with two USTs was depicted in a 1951 Sanborn Map, approximately 130 feet north of the Subject Property. BC&A likely misidentified the service station formerly located at 44 East University Avenue as being located within the Subject Property. BC&A proceeded with the excavation at University & Market Municipal Parking Lot and did not find any UST or soil contamination. The erroneous report of a historical service station and two USTs, and the resulting incident case is not a REC.

#### **CHEMICAL STORAGE AREAS**

Chemical storage areas observed during the site reconnaissance were well maintained. The presence of the chemical storage areas is not a REC.

#### **LEAKING UNDERGROUND STORAGE TANKS AT NEARBY PROPERTIES**

LUSTs have been report to Illinois Emergency Management Agency at 11 East Logan Street in 2007, and 202 South Chestnut Street in 1993. Neither site is upgradient from the Subject Property, and are unlikely to have affected the environmental quality of the Subject Property. These LUST incidents are not RECs.

#### **Recommendations**

The Recommendations included in this report were developed through the investigative procedures described in the Scope of Services, Significant Assumptions, and Limitations sections of this report. This finding should be reviewed within the context of the limitations provided in the Limitations section.

#### **SHELF LIFE**

HDR recommends that CUMTD consider the “shelf life” of Phase I ESA documents in determining risk. ASTM E1527-13: 4.6 states that a conforming “Phase I” report is valid for a period of 180 days, and may be updated during the 180 days to 1-year timeframe. The report is valid for use in any of the CERCLA defenses ONLY if it is updated within this timeframe. If greater than one year passes from the final report date, the Phase I effort would need to be repeated to remain in compliance with ASTM and the “All Appropriate Inquiry” protection.

#### **PHASE II ENVIRONMENTAL SITE ASSESSMENT**

HDR recommends a targeted subsurface investigation (Phase II Environmental Site Assessment) to determine if the RECs identified herein have impacted subsurface

conditions at the Subject Property. Unidentified contamination could pose a risk to construction worker health and safety, and also result in potential delays to construction activities.

# 1 Purpose

The purpose of this Phase I ESA is to document the evaluation of the Subject Property for indications of “recognized environmental conditions.”

ASTM Practice E1527-13 defines the following categories of recognized environmental condition (REC):

**REC:** The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions (see definition below).

ASTM E1527-13 defines release as a release of any hazardous substance or petroleum product shall have the same meaning as the definition of “release” in CERCLA 42 U.S.C. § 9601(22)).

**Historical REC (HREC):** A past release of any hazardous substances or petroleum products that has occurred in connection with the property, and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority. The property is not subject to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

**Controlled REC (CREC):** A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as documented by the issuance of a No Further Action [NFA] letter or equivalent, or meeting risk-based criteria established by the regulatory authority). Hazardous substances or petroleum products are allowed to remain in place, subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Additional conditions that are not included under the definitions of a REC, but are defined by ASTM Practice E1527-13 include:

**De minimis:** A condition that generally does not present a threat to human health or the environment, and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not RECs, historical RECs nor CRECs.

**Business Environmental Risk:** A risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations.

## 1.1 Report Users

HDR received authorization from Champaign-Urbana Mass Transit District (CUMTD) to conduct a Phase I ESA of the Subject Property. The Subject Property is defined as the entirety of four tax parcels, a portion of a railroad right-of-way, a landscaped area in its northern portion, and a portion of South Market Street, all of which reside in Champaign, Illinois:

- Christie Clinic private parking lot, property identification number (PIN): 422012480005, located at 118 South Walnut Street
- University & Market Municipal Parking Lot, PIN: 422012484008, located at 43 East University Avenue and 118 South Market Street
- Illinois Terminal, PIN 422012484009, located at 45 East University Avenue
- Lot Logan & Market, PIN: 422012484010, located at 132 South Market Street
- Portion of railroad right-of-way between East Logan Street and East Chester Street, PIN: 422012502007, located east and adjacent to Illinois Terminal
- Landscaped area bounded to the north by East University Avenue and East Chester Street; and bounded to the south by PIN: 422012484008 and PIN: 422012484009
- Portion of South Market Street between Bailey Street to the north, and East Logan Street to the south

This Phase I ESA has been prepared for CUMTD, and only CUMTD has the right to rely on the contents of this Phase I ESA without written authorization.

## 1.2 Scope of Services, Significant Assumptions, and Limitations

The services provided for this project consisted of the following:

- Provide a description of the Subject Property including current land uses (Section 2.1 – 2.3)
- Provide a general description of the topography, soils, geology, and groundwater flow direction (Section 2.4)
- Review reasonably ascertainable and reviewable regulatory information published by federal, state, local, and tribal, environmental agencies pertaining to the Subject Property (Section 4.0 in total)
- Review historical data sources for the Subject Property, including aerial photographs, topographic maps, fire insurance maps, city directories, and other readily available development data (Section 5.0 in total)
- Interview current owner of the Subject Property and interview other persons with knowledge of the development history of the Subject Property (Section 6.0 in total)
- Conduct an area reconnaissance and an environmental review—including a visual review of adjoining properties—with a focus on indications of hazardous substances,

petroleum products, polychlorinated biphenyls (PCBs), wells, storage tanks, solid waste disposal pits and sumps, and utilities (Section 7.0 in total)

- Determine data gaps in the information obtained and comment on their significance in identifying RECs for the Subject Property (Section 8.0)
- Prepare a written report of methods, findings, opinions and conclusions (Sections 9.0 and 10.0 in total).

The goal of this scope of services is to assist the user in identifying conditions in the Subject Property that may indicate risks regarding hazardous materials storage, disposal, or other impacts. The resulting report may qualify the user for relief from liabilities as one of three “defenses” identified in the 2002 Brownfields Amendments to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 9607 (All Appropriate Inquiry subsections). These three defenses include:

1. The “innocent landowner” defense to potential liabilities under 42 United States Code [U.S.C.] § 9601
2. The “contiguous project corridor owner” defense pursuant to 42 U.S.C. § 9607q
3. The “bona fide prospective purchaser” defense pursuant to 42 U.S.C. §9607r

Federal regulations at (42 U.S.C §9601(35)(A) & (B), §9607(b)(3), §9607(q); and §9607(r)), promulgated by the United States (U.S.) Environmental Protection Agency (EPA), require that liability release be based (in part) on completion of All Appropriate Inquiries (AAI) prior to purchase of a property. Those inquiries are documented by Phase I reports, or Environmental Site Assessments (ESAs). EPA has agreed that the recently developed ASTM guidance (ASTM Practice E1527-13: 3.2.6) specifies and interprets AAI requirements.

A user is defined by ASTM Practice E1527-13: as the party seeking to use Practice E1527 to complete an ESA of the Subject Property and may include a potential purchaser of land in the Subject Property, a potential tenant of the Subject Property, an owner of land in the Subject Property, a lender, or a Subject Property manager. Investigative areas not included in the standard ASTM ESA scope include: asbestos, lead-based paint, lead in drinking water, radon or urea formaldehyde, wetland issues, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, and high voltage power lines.

Indoor air quality from sources such as mold and asbestos is not included in the ASTM standard except to the extent that indoor air impacts are related to Superfund release and/or caused by releases of hazardous substances into subsurface soil or groundwater (vapor intrusion).

The potential for vapor encroachment or intrusion into structures in the Subject Property are assessed from onsite or offsite sources, based on the experience of the Environmental Professional. State and national policies and standards relevant to vapor intrusion are in flux, and subject to change.

The scope of services for ESA projects also does not include the completion of soil borings, the installation of groundwater monitoring wells, or the collection of soil or groundwater samples.

HDR has made certain assumptions in preparing the scope of this assessment:

- Data gathered from public information sources (i.e., libraries or public regulatory agencies) are accurate and reliable.
- Site operations reflect site conditions relative to potential releases, and no intentional concealment of environmental conditions or releases has occurred.
- Interview information is directly reported as gathered by the assessor, and is limited by the accuracy of the interviewee's recollection and experience.
- Published geologic information and site observations made by the environmental professional are used to estimate likely contaminant migration pathways in the subsurface. These estimates by the environmental professional are limited in accuracy, and are generally cross-referenced with existing information about similar sites and environmental releases in the area, if available.
- Regulatory information is limited to sites identified after the late 1980s, because reliable records were not kept by regulatory agencies prior to that time frame.

The findings and conclusions presented in this report are based on the procedures described in ASTM Practice E1527-13, informal discussions with various agencies, a review of the available literature cited in this report, conditions noted at the time of this Phase I ESA, and HDR's interpretation of the information obtained as part of this Phase I ESA. The findings and conclusions are limited to the specific project and properties described in this report, and by the accuracy and completeness of the information provided by others.

An ESA cannot entirely eliminate uncertainty regarding the potential for RECs. Conducting this assessment is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a Subject Property within reasonable limits of time and cost. In conducting its services, HDR used a degree of care and skill ordinarily exercised under similar circumstances by reputable members of its profession practicing in the same locality. This Phase I ESA conforms to the level of documentation required in ASTM Practice E1527-13. However, HDR may omit discussion of certain records, i.e., sources deemed, in HDR's professional opinion, to be inapplicable, or of limited value, to the specific needs of the client. In accordance with ASTM, however, if the lack of available documentation results in a data gap, this data gap is identified herein and its significance is discussed.

## 2 Site Description

### 2.1 Location and Legal Description

The property, referenced herein as the Subject Property, entirety of four tax parcels, a portion of a railroad ROW, a landscaped area in its northern portion, and a portion of South Market Street, all of which reside in the City of Champaign, Champaign County, Illinois (Section 12, Township 19N, Range 8E):

- PIN: 422012480005 at 118 South Walnut Street (referenced herein as Christie Clinic Parking Lot)
- PIN: 422012484008 at 43 East University Avenue (referenced herein as University & Market Municipal Parking Lot)
- PIN: 422012484009 at 45 East University Avenue (referenced herein as Illinois Terminal Parcel)
- PIN: 422012484010 at 132 South Market Street (referenced herein as Lot Logan & Market)
- PIN: 422012502007 in the portion between East Logan Street and Chester Street (referenced herein as Railroad Right-of-Way [ROW] Parcel)
- Landscaped area bounded to the north by East University Avenue and East Chester Street; and bounded to the south by PIN: 422012484008 and PIN: 422012484009 (referenced herein as Northern Landscaped Area)
- Portion of South Market Street between Bailey Street to the north, and East Logan Street to the south (referenced herein as Subject Property Portion of South Market Street)

The Subject Property is bound by the following:

- To the north by Bailey Street, East University Avenue, and East Chester Street
- To the east by the a rail line in the included railroad right-of-way
- To the south by East Logan Street
- To the west by South Walnut Street (between East Logan Street and Bailey Street) and South Market Street (between Bailey Street and East University Avenue).

Figure 2-1 provides a Site Location Map. Figure 2-2 provides a Site Detail Map depicting the parcels and portions of the Subject Property described above.

### 2.2 Description of Structures, Roads, and Other Site Improvements

#### Description of Christie Clinic Parking Lot (118 South Walnut Street)

Christie Clinic Parking Lot is located in the southwest portion of the Subject Property on the west side of South Market Street. The parcel consists of an asphalt parking lot with a 75 car capacity, and planters along its perimeter.

Vehicular entry/exit to the parcel is via East Logan Street in its southwest portion; an additional exit is located in the parcel's northeast portion. Pedestrian access to the parcel is possible from all adjacent streets.

#### Description of University & Market Municipal Parking Lot (43 East University Avenue)

University & Market Municipal Parking Lot is in the central portion of the Subject Property on the east side of South Market Street. The parcel consists of an asphalt parking lot with a 110 car capacity. Several small planters are located throughout the parking lot.

Vehicular entry/exit to the parcel is via South Market Street in its southwest portion. Pedestrian access to the parcel is via all adjacent streets and parcels.

#### Description of Illinois Terminal Parcel (45 East University Avenue)

Illinois Terminal Parcel is in the central portion of the Subject Property, south and adjacent to Chester Street. The parcel primarily includes a four-story building operating as Illinois Terminal, which functions as a passenger terminal for bus and rail service. Illinois Terminal also includes a Subway Sandwich Shop, R.E.A.D.Y. School, the Senator Scott Bennett District Office, CityView Event and Meeting Center, and DISH Passionate Cuisine.

Vehicular entry to the parcel is via East Chester Street to the north, and exit is via South Market Street in its southwest portion. Pedestrian access to the parcel is via the parking lot located at 43 East University Avenue.

#### Description of Lot Logan & Market (132 South Market Street)

132 South Market Street is in the south central portion of the Subject Property, and northeast and adjacent of the intersection of East Logan Street and South Market Street. The parcel consists of an asphalt parking lot with a 52 car capacity. Vehicular and pedestrian access is via South Market Street to the west.

#### Description of Railroad Right-of-Way Parcel

The Railroad ROW Parcel is between East Chester Street and East Logan Street. The parcel includes a single rail line, and a train platform. Access to the parcel is via the Illinois Terminal building to the west.

#### Description of the Northern Landscaped Area

The Northern Landscaped Area is bounded to the north by East University Avenue and East Chester Street; and bounded to the south by University & Market Municipal Parking Lot and Illinois Terminal Parcel. The site consists of a sign for Illinois Terminal describing the building's tenants in the area's eastern portion, an abstract sculpture in the area's western portion, and a landscaped sidewalk area providing access to Illinois Terminal from East University Avenue and East Chester Street.

Pedestrian access to the area is via all surrounding parcels and streets. Vehicular access to the Northern Landscaped Area is prohibited.

## Description of Subject Property Portion of South Market Street

The Subject Property Portion of South Market Street is a two land road with one northbound lane, one southbound lane, and sidewalks on the east and west sides of the road. The Subject Property Portion of South Market Street provides access to Christie Clinic Parking Lot, University & Market Municipal Parking Lot, and Lot Logan & Market.

## 2.3 Site Vicinity Characteristics

The United States Geological Survey (USGS) 7½-minute quadrangle map for Urbana, Illinois shows the Subject Property's elevation is between 730 and 735 feet above mean sea level. The topography of the Subject Property is flat, gently sloping east toward Boneyard Creek.

The Subject Property's is located in the CB2 Central Business Downtown District, which includes commercial uses such as high density retail, services, offices, and hotels; along with housing, parking, and institutional uses.

The Subject Property is located west and adjacent to the CB1 Central Business Urban Fringe District, which includes medium intensity retail, service, and office development; along with housing, parking, and institutional uses.

## 2.4 Area Geology and Hydrogeology

According to the Geologic Map of Illinois, the underlying bedrock at the Subject Property is the Tradewater Formation, which consists mainly of shale and sandstone, but also includes limestone and coal. The Tradewater formation is Pennsylvanian in age (323.2-298.9 million years ago. Depth to bedrock is estimated to be 300 feet below grade (Hansel and McKay III 1994).

Quaternary soils directly beneath fill materials at the Subject Property are expected be the Mackinaw Member of the Henry Formation, consisting of sand and gravel (Lineback 1979).

According to nearby well records, depth to groundwater is expected to be approximately 130 feet deep. Regional groundwater is expected to flow eastward toward Boneyard Creek.

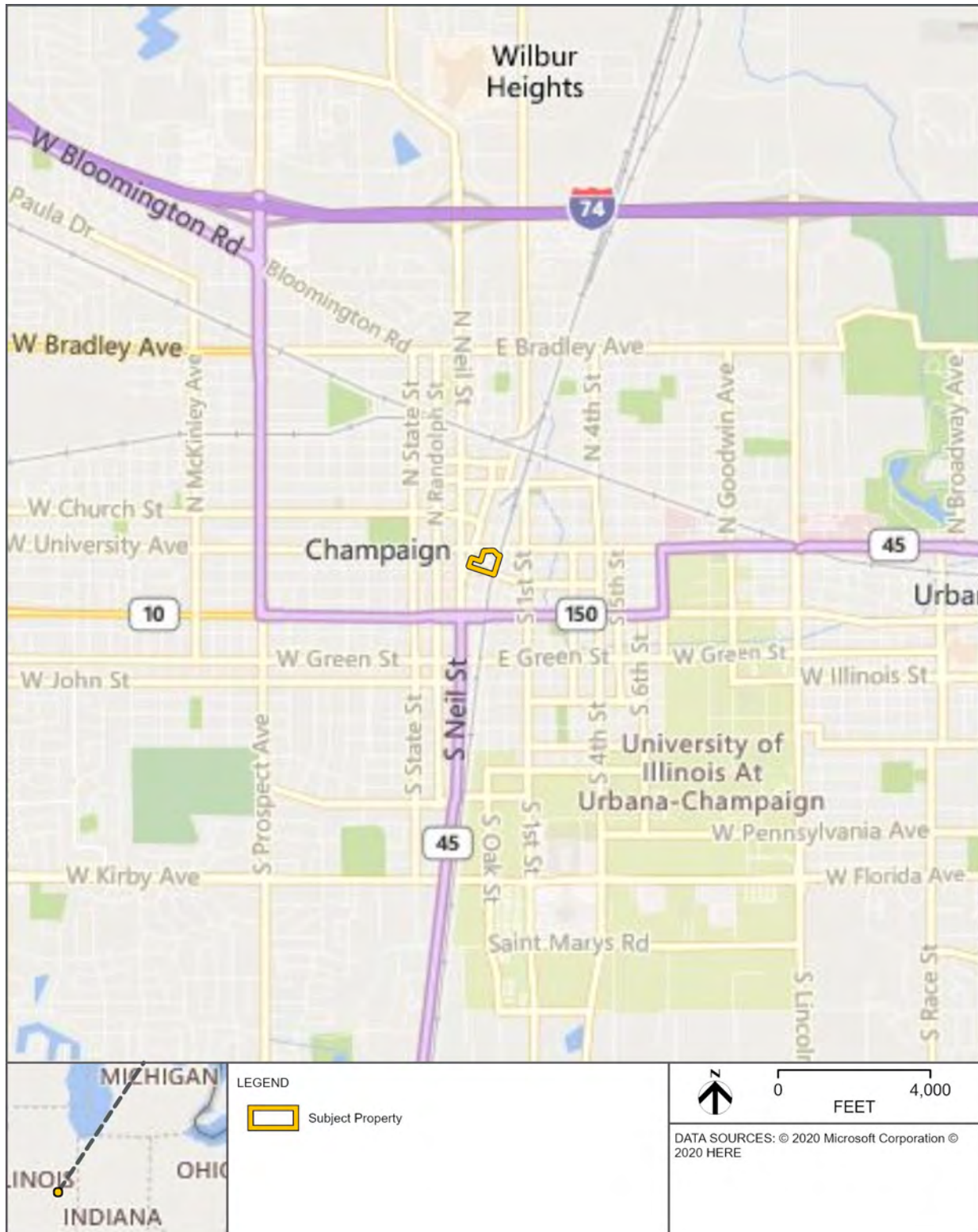


Figure 2-1. Site Location Map

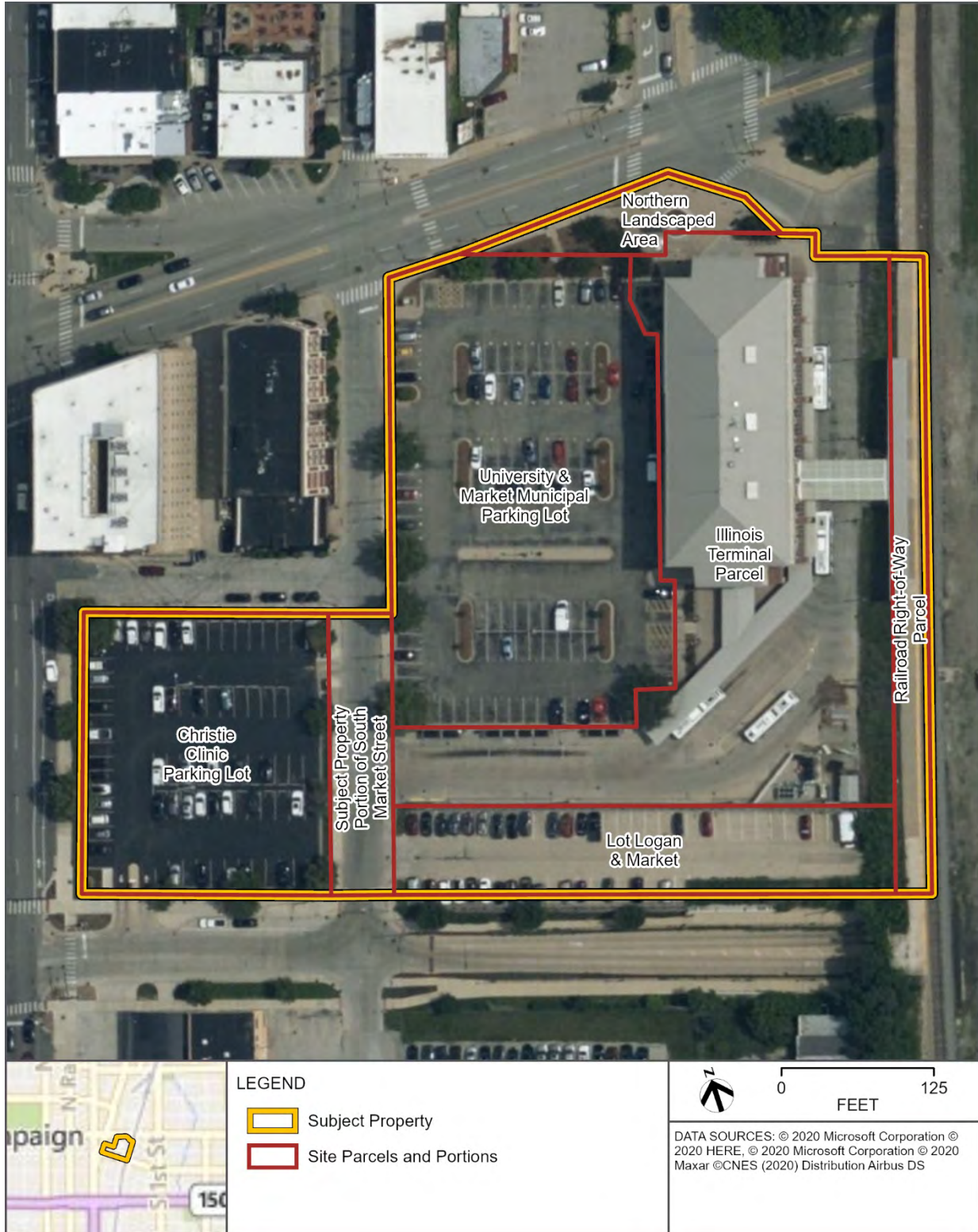


Figure 2-2. Site Detail Map

### 3 User Provided Information

HDR did not receive a completed questionnaire from the User.

## 4 Records Review

### 4.1 Environmental Records Review

HDR contracted Environmental Data Resources (EDR) to complete a database search of federal, state, local, and tribal environmental records for the Subject Property. EDR performed a computerized environmental information database search for the Subject Property on July 17, 2020. The databases searched included federal, state, local, tribal, and EDR proprietary databases for listings within the Subject Property and standard ASTM E1527-13 search distances. Table 4-1 and the following paragraphs below provide a summary of the database search results. Appendix A provides a complete copy of the EDR environmental database report and detailed maps.

<b>Table 4-1. Summary of Environmental Records Review</b>				
Database	Source	Search Distance	Listings in Search Radius	Listings of Concern
<b>Federal ASTM Database Listings</b>				
RCRA-Very Small Quantity Generators (RCRA-VSQG)	USEPA	Adjacent	0	0
RCRA-Non-Generators/No Longer Regulated (NonGen/NLR)	USEPA	Adjacent	0	0
<b>State of Illinois ASTM Database Listings</b>				
Solid Waste Landfills Subject to State Surcharge (LF/SWF)	IEPA	½-mile	1	0
Leaking Underground Storage Tank Sites (LUST)	IEPA	½-mile	29	4
Underground Storage Tank Facility List (UST)	OSFM	Adjacent	4	3
Sites with Engineering Controls (ENG CONTROLS)	IEPA	Subject Property	0	0
Institutional Controls (INST CONTROLS)	IEPA	Subject Property	0	0
Site Remediation Program Database (SRP)	IEPA	½-mile	10	0
<b>EDR Proprietary Database Listings</b>				
Proprietary Manufactured Gas Plants (MGP)	EDR	1-mile	1	0
Exclusive Historical Auto Stations (Hist Auto)	EDR	¼-mile	2	0
Exclusive Historical Cleaners (Hist Cleaner)	EDR	¼-mile	5	0
<b>Other Database Listings</b>				
Formerly Used Defense Sites (FUDS)	US-ACE	1-mile	1	0

#### 4.1.1 Subject Property

The Subject Property is listed in the following databases in the Environmental Database Report:

- Solid Waste Landfills Subject to State Surcharge (LF/SWF): One erroneous listing
- Leaking Underground Storage Tanks (LUST): Three listings
- Underground Storage Tanks (UST): One listings

The Subject Property is listed under three aliases in the Environmental Database Report: City of Champaign; Champaign/Urbana Mas; and Parking Lot G.

**CHAMPAIGN/URBANA MASTRANSIT CO. / PARKING LOT G (106 SOUTH CHESTNUT STREET)**

IEPA received a LUST report of Illinois Emergency Management Agency (IEMA) Incident# 962016 at the Subject Property on October 29, 1996 and assigned it IEPA ID# 190105233. The listing pertains to a petroleum LUST as described below in Section 4.2.2. IEPA issued an NFA/NFR letter on February 14, 1997.

Parking Lot G (University & Market Parking Lot parcel) is listed in the UST database. The listing describes the fifteen records of UST removal which are described in below in Section 4.2.2.

**CITY OF CHAMPAIGN (2 WEST UNIVERSITY AVENUE)**

IEPA received a LUST report at the Subject Property on June 5, 1998 and assigned it Incident# 981346, and IEPA ID# 190105260. The listing pertains to the removal of thirteen USTs from the Subject Property, as described below in Section 4.2.2.

**CITY OF CHAMPAIGN (UNIVERSITY AVENUE & CHESTNUT STREET)**

IEPA received a LUST report of IEMA Incident# 981346 at the Subject Property on June 11, 1998 regarding a gasoline discharge. IEPA assigned the reported discharge IEPA ID# 190105262. IEPA issued a non-LUST determination letter on November 12, 1998 (see Section 4.2.2).

**OTHER LISTINGS**

EDR also reports the Subject Property is listed in the Solid Waste Landfills Subject to State Surcharge (LF/SWF) database. The record provides coordinates located 9½ miles southwest of the Subject Property, and also provides township/range/section information that do not match the Subject Property. EDR likely listed the record due to the matching site names, Illinois Terminal Railroad and Illinois Central Railroad.

#### 4.1.2 Towne LLC: 11 East Logan Street

Towne LLC is listed in IEPA's LUST database, and OSFM's UST database. The site is located 65 feet southwest of the Christie Clinic Parking Lot parcel, and cross-gradient of the Subject Property.

IEPA received a LUST report of IEMA Incident# 20071082 on August 6, 2007 regarding a heating oil discharge. IEPA assigned the reported discharge IEPA ID # 190105367. IEPA provided HDR documents regarding the incident with is discussed below in Section 4.2.2.

The site's UST database listing provides OSFM's record of the UST removal associated with IEMA Incident# 20071082, and provides no additional information.

### 4.1.3 Bresee-Warner Inc.: 202 South Chestnut Street

Bresee-Warner Inc. is listed in IEPA’s LUST database, and OSFM’s UST database. The site is located 65 feet southwest of the Christie Clinic Parking Lot parcel, and cross-gradient of the Subject Property.

IEPA received a LUST report of IEMA Incident# 923416 on December 1, 1992 regarding a gasoline discharge. IEPA assigned the reported discharge IEPA ID# 190105149. IEPA issued an NFR letter to Bresee-Warner Inc. on October 18, 1993.

The site’s UST database listing indicates that the aforementioned tank was a 1,000-gallon gasoline UST. The tank had been last used in 1962, and removed in February 1992.

## 4.2 Additional Regulatory Information

### 4.2.1 Online Sources

Section 4.2.2 describes online sources related to municipal, state, or federal agencies.

### 4.2.2 Agency File Review

HDR conducted a search following agency databases. Copies of reports received are provided in Appendix B. Table 4-2 provides a summary of the information searched.

<b>Table 4-2. Summary of Agency File Review</b>				
<b>Agency</b>	<b>Date of Request</b>	<b>Information Requested</b>	<b>Response</b>	<b>Date of Response</b>
<b>City of Champaign, Illinois Agency Records</b>				
City of Champaign	7/16/2020	Records concerning permits and projects	Received via website	7/16/2020
<b>Champaign County, Illinois Agency Records</b>				
Champaign County Assessment Office	7/16/2020	Property sales information	Received via website	7/16/2020
Recorder of Deeds	7/16/2020	Property ownership information	Received via website	7/16/2020
<b>State of Illinois Agency Records</b>				
Illinois Environmental Protection Agency	7/16/2020	Documents regarding LUSTs and site remediation	Received via website	7/16/2020
Office of the State Fire Marshal	7/16/2020	Documents regarding USTs	No records found	7/16/2020
Illinois State Geological Survey	7/16/2020	Documents regarding oil and gas wells	No records found	7/16/2020
<b>Federal Agency Records</b>				
Pipeline and Hazardous Materials Safety Administration	7/16/2020	Major pipelines and associated facilities	No records found	7/16/2020

## City of Champaign Permits and Projects

HDR reviewed City of Champaign permits and projects for the Subject Property on July 16, 2020 via a search of their website. The City provided 15 permits for 45 East University Street, four of which related to this Phase I EA investigation:

- Permit BS09-1517 was issued on July 24, 2009 concerning an HVAC system for R.E.A.D.Y. school. The permit information received does not describe the fuel used by the HVAC system<sup>1</sup>.
- Permit EN10-0520 was issued on April 24, 2010 concerning a new driveway for the MTD bus entrance.
- Permit EN10-1023 was issued on October 18, 2010 concerning a temporary lane occupancy on University Avenue for bridge repairs. The permit applicant and contractor was Fibrwrap Construction, LP, which specializes in the application of composite systems for the rehabilitation of large-diameter pipelines<sup>2</sup>.
- No other permits issued for 45 East University Street indicate a potential impact to the environmental quality of the Subject Property.

No other records concerning permits or projects were available for other parcels or addresses at the Subject Property.

## Champaign County Assessment Office

HDR reviewed Champaign County tax assessor records for the Subject Property on July 16, 2020 via a search of the Champaign County Property Tax Inquiry. No sales history was available for any of the parcels at the Subject Property.

## Champaign County Recorder of Deeds

HDR reviewed Champaign County deed records for the Subject Property on July 16, 2020 via a search of the Champaign County GIS Consortium Interactive Public Map.

- **Christie Clinic Parking Lot:** A warranty deed was granted to Christie Management Company Inc from Christie Clinic on August 11, 2008 (Document No. 2008R21052).
- **University & Market Municipal Parking Lot and Lot Logan & Market:** A quit claim deed was granted from "Champaign City of" to "Champaign Urbana Mass Transit Dist" on December 9, 1999 (Document No. 1999R34681).

## Illinois Environmental Protection Agency

### CHAMPAIGN/URBANA MASTRANSIT CO. (106 SOUTH CHESTNUT STREET)

An OSFM Storage Tank Safety Specialist completed a Log of Underground Storage Tank Removal of twelve USTs at the Subject Property from November 18 through

---

<sup>1</sup> The site reconnaissance (Section 7) and on-site interview (Section 6) with the site escort confirmed that the HVAC system is fueled by natural gas.

<sup>2</sup> No large diameter pipeline is mapped by the Pipeline and Hazardous Materials Safety Administration (Table 4-1), nor was any indication of a petroleum pipeline observed at the Subject Property during the site reconnaissance (Section 7).

November 22, 1996. The form indicated that the gasoline USTs ranged in capacity between 560 and 18,000 gallons and were last used before 1974. The logs indicated that significant to major soil contamination was present around the USTs. The logs included a rough sketch, which mapped the location of the tanks along the west side of the rail line, likely within the Illinois Terminal Parcel.

IEPA issued an NFA/NFR letter on February 14, 1997 detailing that remediation objectives previously set forth regarding a LUST incident has been met by Berns, Clancy & Associates (BC&A). The file did not contain the Corrective Action Completion Report, or any documentation other than the NFA/NFR letter.

#### **CITY OF CHAMPAIGN (2 WEST UNIVERSITY AVENUE)**

An OSFM Storage Tank Safety Specialist completed a Log of Underground Storage Tank Removal for a 1,000-gallon diesel UST at the Subject Property on June 5, 1998. The UST had been installed in the 1960s, and last used before 1974. The log indicated that significant soil contamination was present and included a rough sketch which mapped the location of the tank in the northern portion of University & Market Municipal Parking Lot (within the historical alignment of Chestnut Street). OSFM assigned the LUST facility ID# 4035309.

Illinois Emergency Management Agency (IEMA) received a report of the LUST incident and completed a field report and notified IEPA. IEMA assigned the LUST incident number 981346; IEPA assigned the LUST Generator# 0190105057.

IEPA issued a letter to the City of Champaign regarding the above “Election Not to Proceed-Pre-74 tanks” form on July 24, 1998. The letter explains that the City of Champaign was not required to perform corrective action to clean up the contamination from the USTs, because they had been taken out of use prior to January 2, 1974.

#### **CITY OF CHAMPAIGN (UNIVERSITY AVENUE & CHESTNUT STREET)**

IEMA received a report of a 1,000-gallon gasoline LUST at University & Market Municipal Parking Lot on June 11, 1998 (separate from the aforementioned June 5, 1998 incident). The field report indicates that the cause of the discharge was a “rusty tank”, and that the contaminated soil was stockpiled on site and covered with plastic. The volume of gasoline discharged was unknown. IEMA assigned the LUST Incident# 981408.

BC&A issued a letter to IEPA on September 16, 1998 explaining that historical Sanborn maps depicted a service station with two USTs within University & Market Municipal Parking Lot<sup>3</sup>, and that BC&A was unable to find the USTs or contaminated soil from the tanks. BC&A requested that IEPA close the incident.

IEPA issued a letter to BC&A on November 12, 1998 indicating that there would be no reporting requirements regarding IEMA Incident Number 981408.

IEPA submitted a request to OSFM for UST Removal Logs, any orders to remove the USTs, and any UST registration information. OSFM received the request on December

---

<sup>3</sup> Two USTs were depicted in Sanborn maps in 1951 at 44 East University Avenue at a former Texaco filling station (presently Jon’s Pipe Shop), located approximately 150 feet northeast of the Subject Property.

8, 2000. IEPA indicated in the request form that the reason as per BC&A's request, and that "nothing was found at this address".

IEPA wrote a memo dated January 2, 2001 regarding the incident explaining the above information, and requesting a correction in the LUST database.

**TOWNE LLC (11 EAST LOGAN STREET)**

IEMA received a report of a heating oil discharge from a 2,000-gallon UST at 11 Logan Street on August 6, 2007 from Midwest Environmental Consulting (MEC). The IEMA Hazmat Report indicated that the discharge was caused by holes in the tank, and that the discharged volume was unknown. IEMA assigned the LUST IEMA Incident# H-2007-1082.

MEC completed a Corrective Action Completion Report dated October 31, 2007, which indicates the following:

- The heating oil discharge was discovered during a removal of the 2,000-gallon UST.
- No free product was observed during the UST removal.
- Approximately 10 cubic yards of soil were removed with the UST due to the contamination discovery. MEC performed an excavation assessment on October 9, 2007; which revealed "no detectable concentrations of [BTEX (benzene, toluene, ethyl benzene, and xylene), MTBE (methyl-tertiary-butyl-ether), or polycyclic aromatic hydrocarbons (PAHs)] that were above the [IEPA's] most stringent Tier 1 Cleanup Objectives".
- MEC requested an NFR letter from IEPA.

IEPA issued an NFR letter to Towne, LLC on November 29, 2007.

**BRESEE-WARNER INC. (202 SOUTH WALNUT STREET)**

IEPA issued an NFR letter regarding IEPA ID# 190105149 to Bresee-Warner Inc. on October 18, 1993. HDR received no other documentation from IEPA regarding the incident.

*Site Remediation Program Database*

HDR performed a search of IEPA's Site Remediation Program Database for the Subject Property on July 16, 2020. The query returned no records concerning the Subject Property.

## 5 Historical Use Information

The objective of reviewing historical use information is to develop a history of previous land uses at and near the Subject Property and to assess these uses for potential hazardous materials impacts that may affect the Subject Property. HDR reviewed those historical sources that were reasonably ascertainable and likely to provide useful information, as defined by the ASTM standard.

### 5.1 Fire Insurance Maps

HDR reviewed Sanborn Fire Insurance Maps of the Subject Property provided by the City of Champaign via their *Historic Map* website, and by EDR for the following years: 1887, 1892, 1897, 1902, 1909, 1915, 1924, and 1951. Appendix C provides the Historical Fire Insurance Map report.

**Table 5-1. Summary of Fire Insurance Map Review**

Year	Description of Fire Insurance Map
<b>Description of Christie Clinic Parking Lot</b>	
1887	<ul style="list-style-type: none"> <li>• The parcel consisted of two tax lots.</li> <li>• The western lot’s south portion included an office and two stables.</li> <li>• The western lot’s north portion operated as “B. Stoneburner Livery”, which included a stable, an office, and a buggy run.</li> <li>• The eastern lot included a shed, a stable, a carpenter building and two unidentified buildings.</li> </ul>
1892	<ul style="list-style-type: none"> <li>• The western lot’s former office was repurposed as a dwelling.</li> <li>• The former livery building operated as “T. Coffman Feed &amp; Sale”.</li> <li>• The two former stables in the western lot’s south portion were razed.</li> <li>• The eastern lot remained largely similar.</li> </ul>
1897	<ul style="list-style-type: none"> <li>• All of the previous buildings were razed.</li> <li>• The north portion of the parcel operated as “J. J. Hornsberger”</li> <li>• The south portion of the parcel operated as “Maltby and Wallace Co.”</li> <li>• The north portion included a blacksmith, two stables, an office, and a wagon yard.</li> <li>• A water tank was constructed in the wagon yard.</li> <li>• The parcel’s south portion included a machine shop, a blacksmith, an office, and foundry.</li> </ul>
1902	<ul style="list-style-type: none"> <li>• No significant changes occurred at the parcel since 1897.</li> <li>• The north portion operated as “Will Nightingale”</li> <li>• The south portion operated as “Champaign Machine &amp; Supply Co.”.</li> <li>• The south portion’s facility was fueled by coal.</li> </ul>
1909	<ul style="list-style-type: none"> <li>• The south portion’s buildings were still present but vacant.</li> <li>• The north portion operated as a blacksmith and stable.</li> <li>• Scales were installed in South Walnut Street near the parcel’s northwest portion.</li> </ul>
1915	<ul style="list-style-type: none"> <li>• The blacksmith formerly located in the northwest corner operated as a harness shop.</li> <li>• The stable in north portion did not significantly change.</li> <li>• The layout of the buildings in the south portion did not significantly change.</li> <li>• The buildings in the southwest portion operated as a cigar factory.</li> <li>• The buildings in the southeast portion operated as a dairy plant.</li> </ul>

**Table 5-1. Summary of Fire Insurance Map Review**

Year	Description of Fire Insurance Map
1924	<ul style="list-style-type: none"> <li>• The north portion was a parking garage with an auto repair shop in its northwest corner.</li> <li>• The southwest portion included a parking garage and an auto repair shop.</li> <li>• The southeast portion included a tin shop, an auto repair shop, and an office.</li> <li>• An elevator was present in the tin shop.</li> </ul>
1951	<ul style="list-style-type: none"> <li>• The parcel's northern portion was razed and vacant.</li> <li>• The southwest portion was a bus station and restaurant.</li> <li>• The southeast portion as an auto sales and service shop.</li> </ul>
<b>Description of University &amp; Market Parking Lot</b>	
1887	<ul style="list-style-type: none"> <li>• The parcel operated as part of "M.E. Lapham Lumber Yard".</li> <li>• The north portion included a dwelling, a lumber shed, a warehouse, and an "agricultural implements" building.</li> <li>• Four staging areas were located in the north portion.</li> <li>• A well was present near the northwest corner of the parcel at the intersection of South Market Street and East University Street</li> </ul>
1892	<ul style="list-style-type: none"> <li>• The dwelling was razed.</li> <li>• The former agricultural implements building operated as "Renner Brother's Livery" stable and wagon shed.</li> <li>• Scales were installed in East University Avenue near the parcel's northeast portion.</li> <li>• No other significant changes were present at the parcel.</li> </ul>
1897	<ul style="list-style-type: none"> <li>• The stable operated as an agricultural implements.</li> <li>• An agricultural implements building was constructed in the south portion.</li> <li>• A stable operated as "Kern and Beatty Sale" was constructed in the south portion.</li> <li>• No other significant changes were present at the parcel.</li> </ul>
1902	<ul style="list-style-type: none"> <li>• A coal shed was constructed in the east portion.</li> <li>• No other significant changes were present at the parcel.</li> </ul>
1909	<ul style="list-style-type: none"> <li>• A stable was constructed in the south portion of the parcel.</li> <li>• The agricultural implements building in the south portion was vacant.</li> <li>• The well was no longer depicted on the maps.</li> <li>• A building operating as "White Star Steam Laundry" was constructed in the south portion.</li> </ul>
1915	<ul style="list-style-type: none"> <li>• The former laundry facility operated as "National Biscuit Co."</li> <li>• No other significant changes were present at the parcel.</li> </ul>
1924	<ul style="list-style-type: none"> <li>• A garage was constructed in the central portion of the parcel.</li> <li>• A cement storage building was constructed in the west portion.</li> </ul>
1951	<ul style="list-style-type: none"> <li>• The buildings associated with the lumber yard were razed.</li> <li>• A store was constructed in the northwest corner of the parcel.</li> </ul>
<b>Description of Illinois Terminal Parcel</b>	
1887	<ul style="list-style-type: none"> <li>• The west portion of the parcel operated as "M.E. Lapham Lumber Yard".</li> <li>• A rail line ran along the eastern boundary and through the central portion of the parcel. The rail line ran in a north/south direction.</li> <li>• Two coal sheds and a lime shed were present in the southeast portion.</li> <li>• A dwelling was present in the south portion.</li> </ul>
1892	<ul style="list-style-type: none"> <li>• A coal shed was constructed in the southeast portion.</li> <li>• The dwelling was razed.</li> <li>• No other significant changes were present at the parcel.</li> </ul>



**Table 5-1. Summary of Fire Insurance Map Review**

Year	Description of Fire Insurance Map
1897	<ul style="list-style-type: none"> <li>• A storage building was constructed in the south portion.</li> <li>• No other significant changes were present at the parcel.</li> </ul>
1902	<ul style="list-style-type: none"> <li>• The railroad spur in the central portion was realigned.</li> <li>• A freight depot building for Illinois Central Railroad was constructed along the main railroad line in the eastern portion of the parcel.</li> <li>• No other significant changes were present at the parcel.</li> </ul>
1909	<ul style="list-style-type: none"> <li>• A coal shed was constructed in the south portion of the parcel.</li> <li>• South Chestnut Street was constructed in the central portion of the parcel along the rail spur.</li> <li>• No other significant changes were present at the parcel.</li> </ul>
1915	<ul style="list-style-type: none"> <li>• No significant changes were present at the parcel.</li> </ul>
1924	<ul style="list-style-type: none"> <li>• The freight depot in the east portion included gasoline and oil storage, and a garage.</li> <li>• A fuel oil AST was installed in the southeast portion of the parcel.</li> <li>• Two buildings were constructed in the southeast portion and the southwest portion.</li> <li>• No other significant changes were present at the parcel.</li> </ul>
1951	<ul style="list-style-type: none"> <li>• All the buildings previously located at the parcel were razed.</li> <li>• A beer storage building was constructed in the east portion of the parcel.</li> </ul>
<b>Description of Lot Logan &amp; Market</b>	
1887	<ul style="list-style-type: none"> <li>• The parcel operated as “D.L. Root’s Sash, Door, and B. Factory”</li> <li>• A carpenter’s building, planning mill, coal shed building, and engine house were present in the west portion.</li> <li>• A well and water tank were present in the south portion of the parcel.</li> <li>• A dwelling was present in the central of the parcel.</li> <li>• An ice house was present in the east portion of the parcel.</li> </ul>
1892	<ul style="list-style-type: none"> <li>• The former ice house was razed.</li> <li>• The carpenter building was repurposed as an office.</li> <li>• No other significant changes were present at the parcel.</li> </ul>
1897	<ul style="list-style-type: none"> <li>• No other significant changes were present at the parcel.</li> </ul>
1902	<ul style="list-style-type: none"> <li>• The office building in the southwest corner was extended.</li> <li>• A rail spur ran through the parcel’s central portion in a north/south parcel.</li> <li>• No other significant changes were present at the parcel.</li> </ul>
1909	<ul style="list-style-type: none"> <li>• An office was constructed in the southwest corner of the parcel.</li> <li>• The buildings in the west portion of the parcel operated as a wagon shop.</li> <li>• An elevator was constructed in the buildings in the west portion.</li> <li>• A storage building was constructed in the southeast corner of the parcel.</li> <li>• South Chestnut Street was constructed in the central portion of the parcel along the rail spur.</li> <li>• No other significant changes were present at the parcel.</li> </ul>
1915	<ul style="list-style-type: none"> <li>• No other significant changes were present at the parcel.</li> </ul>
1924	<ul style="list-style-type: none"> <li>• All buildings previously at the parcel were razed.</li> <li>• A building operated by “Pioneer Creamery Co.” was constructed in 1918.</li> <li>• An elevator was constructed in the east portion of Pioneer Creamery Co.</li> </ul>
1951	<ul style="list-style-type: none"> <li>• The former Pioneer Creamery Co. building was operated by “Beatrice Creamery Co.”</li> </ul>

**Table 5-1. Summary of Fire Insurance Map Review**

Year	Description of Fire Insurance Map
<b>Description of the Railroad Right-or-Way Parcel</b>	
1887-1951	<ul style="list-style-type: none"> <li>• Four railroad tracks ran through the parcel.</li> </ul>
<b>Description of the Northern Landscaped Area</b>	
1887	<ul style="list-style-type: none"> <li>• A rail line ran through the central portion of the area in a north/south direction.</li> <li>• The Northern Landscaped Area consisted of East Chester Street.</li> </ul>
1892-1902	<ul style="list-style-type: none"> <li>• Scales were installed in the area's western portion.</li> </ul>
1909-1915	<ul style="list-style-type: none"> <li>• The scales were no longer depicted on the map.</li> </ul>
1924-1951	<ul style="list-style-type: none"> <li>• The rail line was removed from the Northern Landscaped Area.</li> </ul>
<b>Description of Subject Property Portion of South Market Street</b>	
1887-1951	<ul style="list-style-type: none"> <li>• The Subject Property Portion of South Market Street was constructed prior to 1887.</li> </ul>
<b>Description of Surrounding Area</b>	
1887	<ul style="list-style-type: none"> <li>• The surrounding area was residential and light industrial.</li> <li>• "Maltey &amp; Wallace Machine Shop" was present to the west of the Subject Property.</li> </ul>
1892	<ul style="list-style-type: none"> <li>• The surrounding area was residential and light industrial.</li> <li>• "Maltey &amp; Wallace Machine Shop" was present to the west of the Subject Property.</li> </ul>
1897-1902	<ul style="list-style-type: none"> <li>• The surrounding area was residential, commercial, and light industrial.</li> </ul>
1909-1951	<ul style="list-style-type: none"> <li>• The surrounding area was residential and commercial.</li> </ul>

## 5.2 City Directory Information

A search of available city directories was conducted by EDR for East University Avenue, South Market Street, and East Logan Street. City directory information was retrieved for the following years and is provided in Appendix D: 1334, 1937, 1944, 1949, 1954, 1958, 1963, 1968, 1974, 1984, 1987, 1992, 1995, 2000, 2005, 2010, 2014, and 2017.

Table 5-2 provides all city directory listings pertaining to the Subject Property. Table 5-3 includes city directory listings at sites of potential concern on adjoining properties.

**Table 5-2. Summary of City Directory Listings at the Subject Property**

Year	Listings of Potential Concern	Other Listings
<b>43 East University Avenue</b>		
1934	<ul style="list-style-type: none"> <li>• Great Eastern Bus Line</li> <li>• Terminal Cab Co.</li> <li>• University Cab Co.</li> <li>• Red Top Cab Co.</li> </ul>	<ul style="list-style-type: none"> <li>• W. M. Glotfeltuy</li> </ul>

**Table 5-2. Summary of City Directory Listings at the Subject Property**

Year	Listings of Potential Concern	Other Listings
1937	--	<ul style="list-style-type: none"> <li>• Vacant</li> </ul>
<b>45 East University Avenue</b>		
2000	<ul style="list-style-type: none"> <li>• Greyhound Bus Lines</li> </ul>	<ul style="list-style-type: none"> <li>• A Taste of Europe Gift Shoppe</li> <li>• Nikki BS Cafe</li> <li>• Paul's Banquet &amp; Catering</li> <li>• Paul's Cafe</li> </ul>
2005	<ul style="list-style-type: none"> <li>• Illinois Terminal</li> <li>• Burlington Trailways</li> <li>• Champaign Urbana Mass Transit District</li> <li>• Greyhound Bus Lines</li> <li>• Illinois Swallow Lines Inc.</li> </ul>	<ul style="list-style-type: none"> <li>• Allegiant Marketing Inc.</li> <li>• Camerons Catering Inc.</li> <li>• Ready Program</li> </ul>
2010	<ul style="list-style-type: none"> <li>• Illinois Terminal</li> <li>• Amtrak</li> <li>• Burlington Trailways</li> <li>• Champaign/Urbana Mass Transit</li> <li>• Greyhound Package Xpress</li> <li>• Trailways Bus System</li> </ul>	<ul style="list-style-type: none"> <li>• Junior League of Champaign</li> <li>• Ready School</li> <li>• Subway</li> </ul>
2014	<ul style="list-style-type: none"> <li>• Champaign-Urbana MTD Illinois Terminal</li> <li>• Amtrak, Amtrak Station Champaign-Urbana</li> <li>• Burlington Trailways</li> <li>• Greyhound Bus Lines</li> </ul>	<ul style="list-style-type: none"> <li>• City View</li> <li>• Friends of Frerichs</li> <li>• Sarah James</li> <li>• Ready Program</li> <li>• Subway Sandwiches</li> </ul>
2017	<ul style="list-style-type: none"> <li>• Amtrak</li> <li>• Burlington Trailways</li> <li>• City View, City View at Illinois Terminal</li> </ul>	<ul style="list-style-type: none"> <li>• Ready Program</li> <li>• State Government</li> <li>• Subway</li> </ul>
<b>120 South Market Street</b>		
1963-1968	<ul style="list-style-type: none"> <li>• Lewis W &amp; Co. (Warehouse)</li> </ul>	--
<b>126 South Market Street</b>		
1937	<ul style="list-style-type: none"> <li>• Guy W Stanner Seed House</li> </ul>	--
1944	<ul style="list-style-type: none"> <li>• Illinois Reefer Transit Motor Freight</li> </ul>	<ul style="list-style-type: none"> <li>• Beatrice Creamery Company (egg dept.)</li> </ul>
1949	--	<ul style="list-style-type: none"> <li>• Vacant</li> </ul>
<b>126½ South Market Street</b>		
1934	--	<ul style="list-style-type: none"> <li>• Milton Hammer</li> </ul>
1937	--	<ul style="list-style-type: none"> <li>• Vacant</li> </ul>
<b>131 South Market Street</b>		
1934	--	<ul style="list-style-type: none"> <li>• Vacant</li> </ul>
<b>132-134 South Market Street</b>		
1934-1974	--	<ul style="list-style-type: none"> <li>• Beatrice Foods Co (Creamery Branch)</li> </ul>

**Table 5-2. Summary of City Directory Listings at the Subject Property**

Year	Listings of Potential Concern	Other Listings
1984	--	<ul style="list-style-type: none"> <li>• Beamer Fonner Inc.</li> <li>• 132 Market</li> </ul>
1987-1992	--	<ul style="list-style-type: none"> <li>• Soy Country Specialty Food Co.</li> <li>• Ubip Company (1992)</li> </ul>
<b>14 East Logan Street</b>		
1934	<ul style="list-style-type: none"> <li>• Claudin Welding Shop</li> </ul>	--
<b>16 East Logan Street</b>		
1934-1974	<ul style="list-style-type: none"> <li>• Miles M Spencer Auto Repair Garage</li> <li>• Evinrude Outboard Motors (1954-1958)</li> </ul>	<ul style="list-style-type: none"> <li>• Miles M Spencer Television Sales and Service (1954-1958)</li> </ul>
<b>18 East Logan Street</b>		
1934	<ul style="list-style-type: none"> <li>• Pinkie's Welding Shop</li> <li>• Temple Garage</li> </ul>	--
1937	<ul style="list-style-type: none"> <li>• Brownie's Welding Shop</li> </ul>	--
1944	<ul style="list-style-type: none"> <li>• Art B Moore Tire Repair</li> </ul>	--
1954	<ul style="list-style-type: none"> <li>• Paul J Strahle Auto Electrical Service</li> </ul>	--
1963	--	<ul style="list-style-type: none"> <li>• Vacant</li> </ul>
1974	<ul style="list-style-type: none"> <li>• Best Auto Trim &amp; Upholstery Shop</li> </ul>	--

**Table 5-3. Summary of City Directory Listings at Surrounding Properties**

Year	Listings of Potential Concern
<b>17 East University Avenue</b>	
1934-1937	<ul style="list-style-type: none"> <li>• Bongart's Drug Store</li> <li>• Inman Hotel Barber Shop</li> </ul>
1944-1954	<ul style="list-style-type: none"> <li>• C. H. Beauty Shop, Inman Beauty Shop</li> <li>• Fred Atteberry Barber, Harry Bruno Barber</li> </ul>
1958-1963	<ul style="list-style-type: none"> <li>• Hertz Driv-Ur-Self System Licensee Inc., Hertz Rent A Car System</li> </ul>
<b>39-41 East University Avenue</b>	
1934	<ul style="list-style-type: none"> <li>• Offices for Illinois Terminal Railroad System, Illinois Terminal Express Company, Illinois Gasoline Supply Co., Illinois Traction Building, Equitable Life Assurance Society of the U.S., Green &amp; Palmer, G. R. McComb, M. G. Hoagland, John W Stipes,</li> </ul>
1937	<ul style="list-style-type: none"> <li>• Offices for Illinois Terminal Railroad System, Illinois Terminal Express Company, Illinois Traction Building</li> </ul>
<b>44 East University Avenue</b>	
1934	<ul style="list-style-type: none"> <li>• Phil Welsh</li> </ul>

**Table 5-3. Summary of City Directory Listings at Surrounding Properties**

Year	Listings of Potential Concern
1944-1963	<ul style="list-style-type: none"> <li>Jerry's Texaco Service Filling Station, Stull Jerry &amp; Son Gas Station</li> </ul>
<b>61 East University Avenue</b>	
	<ul style="list-style-type: none"> <li>Trailways Bus Terminals</li> </ul>
<b>9 East Logan Street</b>	
1934-1937	<ul style="list-style-type: none"> <li>Clark's Battery Service Company</li> </ul>
1944-1958	<ul style="list-style-type: none"> <li>E. B. Collins Co Auto Parts</li> </ul>
1974-1984	<ul style="list-style-type: none"> <li>United Radiator Service</li> </ul>
1987	<ul style="list-style-type: none"> <li>Claudin Welding Supply</li> <li>Medox Division of Claudin Welding Supply</li> </ul>
<b>11 East Logan Street</b>	
1944	<ul style="list-style-type: none"> <li>Vacant</li> </ul>
1949	<ul style="list-style-type: none"> <li>Lamb Bros Used Cars</li> </ul>
1954	<ul style="list-style-type: none"> <li>Eisner Grocery Co. Parking</li> </ul>
1958-2005	<ul style="list-style-type: none"> <li>Claudin Welding Supply</li> <li>Wilson's Tire Shop (1963-1974)</li> <li>Residential (1974-1995)</li> <li>Medox Division of Claudin Welding Supply (2000-2005)</li> </ul>
2010	<ul style="list-style-type: none"> <li>Depke Welding</li> <li>Residential</li> </ul>

### 5.3 Zoning Maps

HDR reviewed historical zoning maps of the Subject Property provided by the City of Champaign. These maps served to augment information that was gathered in the historic aerial photograph review and historical fire insurance map review. The following zoning maps were reviewed: 1945, 1950, 1957, 1965, 1986, and 1989.

**Table 5-4. Summary of Historical Zoning Maps**

Year	Description of Zoning Map
1945	<ul style="list-style-type: none"> <li>The Subject Property and its surrounding area was zoned "Industrial Light Manufacturing" (H)</li> </ul>
1950	<ul style="list-style-type: none"> <li>The Subject Property east of South Market Street was zoned "light industrial" (I-1).</li> <li>The Subject Property west of South Market Street was zoned "central commercial" (B-2).</li> <li>The surrounding area was zoned similar to the Subject Property.</li> </ul>
1957	<ul style="list-style-type: none"> <li>The Subject Property east of former Chestnut Street was zoned commercial.</li> <li>The Subject Property west of former Chestnut Street was zoned industrial.</li> <li>The surrounding area was zoned similar to the Subject Property.</li> </ul>

**Table 5-4. Summary of Historical Zoning Maps**

Year	Description of Zoning Map
1965	<ul style="list-style-type: none"> <li>The Subject Property was zoned as industrial (I-1).</li> <li>The surrounding was zoned commercial (B-3 and B-4) and industrial (I-1).</li> </ul>
1986, 1989	<ul style="list-style-type: none"> <li>The southeast portion of the Subject Property was zoned "light industrial" (I-1).</li> <li>The northwest portion of the Subject Property was zoned "central commercial" (B-4).</li> </ul>

## 5.4 Historical Aerial Photographs

HDR reviewed historical aerial photographs provided by the City of Champaign and EDR.

- The City of Champaign provided aerial photographs for the following years: 1936, 1940, 1948, 1955, 1958, 1967, 1969, 1973, 1977, 1982, 1987, 1988, 1993, 1998, 2001, 2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2014, 2015, 2016, 2017, 2018, and 2019.
- EDR provided aerial photographs for the following years (provided in Appendix E): 1940, 1948, 1955, 1969, 1975, 1983, 1988, 1993, 1998, 2005, 2004, 2011, 2014, and 2017.

**Table 5-5. Summary of Historical Aerial Photographs**

Year	Description of Aerial Photograph
<b><i>Description of Christie Clinic Parking Lot</i></b>	
1936-1940	<ul style="list-style-type: none"> <li>The buildings previously containing the stable in the northern portion and manufacturing buildings in the southern portion were present at the parcel.</li> </ul>
1948-1993	<ul style="list-style-type: none"> <li>The building configuration in the south portion remained similar.</li> <li>The north portion contained a parking lot.</li> </ul>
1998-2019	<ul style="list-style-type: none"> <li>The parking lot currently present at the parcel was constructed.</li> </ul>
<b><i>Description of University &amp; Market Parking Lot</i></b>	
1936-1940	<ul style="list-style-type: none"> <li>A lumber yard was present at the parcel.</li> <li>Several buildings were present in the west portion.</li> </ul>
1948	<ul style="list-style-type: none"> <li>The buildings associated with the lumber yard were razed.</li> <li>The previous National Biscuit Co. building in the southern portion remained.</li> <li>The north and central portion of the parcel was used for staging freight cargo.</li> <li>A store was constructed in the northeast corner of the parcel.</li> </ul>
1955-1969	<ul style="list-style-type: none"> <li>The former store building in the northeast corner of the parcel was razed.</li> <li>A parking lot was under construction in the north portion of the parcel.</li> <li>A parking lot was constructed in the central portion of the parcel.</li> <li>The former National Biscuit Co. building in the southern portion remained.</li> </ul>
1973-1993	<ul style="list-style-type: none"> <li>The former National Biscuit Co. building in the southern portion was razed.</li> <li>The parcel consisted entirely of parking lots.</li> </ul>
1998-2019	<ul style="list-style-type: none"> <li>The parking lots at the parcel were renovated into their current configuration.</li> </ul>

**Table 5-5. Summary of Historical Aerial Photographs**

Year	Description of Aerial Photograph
<b><i>Description of Illinois Terminal Parcel</i></b>	
1936	<ul style="list-style-type: none"> <li>• The parcel included several buildings associated with the lumber yard.</li> <li>• Historical South Chestnut Street ran along the western boundary of the parcel.</li> </ul>
1940	<ul style="list-style-type: none"> <li>• The fuel oil AST present in the southeast portion of the parcel and depicted on the 1924 fire insurance map was present.</li> </ul>
1948-1958	<ul style="list-style-type: none"> <li>• The beer storage building was constructed.</li> <li>• The parcel's north portion was used as a parking lot.</li> <li>• The parcel's south portion was used for staging freight and parking cars</li> <li>• The aforementioned fuel oil AST was removed, and a larger AST was installed at the same location.</li> </ul>
1967-1975	<ul style="list-style-type: none"> <li>• An AST was installed in the southwest portion of the parcel. The AST was associated with the parcel at 132 South Market Street.</li> <li>• The AST formerly located in the southeast portion of the parcel was not present.</li> </ul>
1977-1988	<ul style="list-style-type: none"> <li>• The AST in the southwest portion of the parcel was removed.</li> </ul>
1993	<ul style="list-style-type: none"> <li>• Debris was present due to the demolition of the former building at 132 South Market Street.</li> </ul>
1998	<ul style="list-style-type: none"> <li>• Historical South Chestnut Street was removed from the parcel.</li> <li>• The former building used to store beer in the 1950s was razed.</li> <li>• The Illinois Terminal building was constructed.</li> <li>• Much of the parcel was under construction.</li> </ul>
2001-2019	<ul style="list-style-type: none"> <li>• Construction of Illinois Terminal, the bus driveway, and the equipment currently in the parcel's southeast corner was completed.</li> </ul>
<b><i>Description of Lot Logan &amp; Market</i></b>	
1936-1948	<ul style="list-style-type: none"> <li>• Historical South Chestnut Street ran through the central portion of the parcel in a north/south direction.</li> <li>• The creamery building depicted in previous fire insurance maps was present in the west and central portion of the parcel.</li> <li>• The east portion of the parcel was vacant.</li> <li>• A bridge crossing East Logan Street connected to the south portion of the parcel was present.</li> </ul>
1955-1988	<ul style="list-style-type: none"> <li>• An AST was constructed in the east portion of the parcel</li> </ul>
1993	<ul style="list-style-type: none"> <li>• The building formerly located in the west portion of the parcel was razed.</li> </ul>
1998-2009	<ul style="list-style-type: none"> <li>• Historical South Chestnut Street was removed from the parcel.</li> <li>• The AST was removed from the parcel.</li> <li>• A parking lot was constructed.</li> </ul>
2010-2019	<ul style="list-style-type: none"> <li>• The bridge crossing East Logan Street was removed.</li> </ul>
<b><i>Description of the Railroad Right-of-Way Parcel</i></b>	
1936-1940	<ul style="list-style-type: none"> <li>• Railroad tracks running in a north/south direction were present.</li> </ul>
1948-1977	<ul style="list-style-type: none"> <li>• An AST was present in the east central portion of the area</li> </ul>

**Table 5-5. Summary of Historical Aerial Photographs**

Year	Description of Aerial Photograph
1982-1998	<ul style="list-style-type: none"> <li>The AST previously located in the east portion of the parcel was removed.</li> </ul>
2001-2019	<ul style="list-style-type: none"> <li>The train platform and pedestrian bridge leading from Illinois Terminal currently present at the Subject Property was constructed.</li> </ul>
<b>Description of the Northern Landscaped Area</b>	
1936-1977	<ul style="list-style-type: none"> <li>The area consisted of East Chester Street</li> </ul>
1982-1998	<ul style="list-style-type: none"> <li>The intersection with East Chester Street was renovated, and the Parking Lot formerly located at University &amp; Market Parking Lot extended into the area.</li> </ul>
2001-2019	<ul style="list-style-type: none"> <li>The Northern Landscaped Area's configuration largely matched its current layout</li> </ul>
<b>Description of Subject Property Portion of South Market Street</b>	
1936-2019	<ul style="list-style-type: none"> <li>The area consisted of South Market Street</li> </ul>

## 5.5 Historical Topographic Maps

Historical topographic maps provide an overview of the area relative to potential previous land uses. HDR reviewed historical topographic maps of the Subject Property provided by the United States Geological Survey (USGS) and Environmental Systems Research Institute (ESRI). These maps served to augment information that was gathered in the historic aerial photograph review. The following topographic maps were reviewed:

- Urbana, Illinois 15-minute series (1:62,500): 1906, 1957
- Urbana, Illinois 7½-minute series (1:24,000): 1957, 1970, 1975, 1998, 2012

**Table 5-6. Summary of Historical Topographic Maps**

Year	Description of Topographic Map
1906	<ul style="list-style-type: none"> <li>The Subject Property was depicted as containing structures and railroad tracks roughly matching those depicted on historical fire insurance maps.</li> <li>The surrounding area was urban.</li> </ul>
1957-2012	<ul style="list-style-type: none"> <li>The Subject Property and surrounding area were depicted as urban.</li> </ul>

Appendix F provides the EDR Topographic Map report.

## 5.6 Environmental Liens, Activity Use Limitations (AULs) and Additional Information

The EDR database search includes engineering and institutional controls, but does not provide lien information. No engineering or institutional controls were found during the environmental database review.

## 5.7 Summary of Previous Environmental Investigations

Illinois EPA provided HDR with documents containing information pertinent to its environmental quality which is provided in Section 4.2.2.



Figure 5-1. Historical Facilities and Areas

## 6 Interviews

### 6.1 Site Interviews

Mr. Josh Dhom, Illinois Terminal Director, was interviewed by HDR during the site reconnaissance. Mr. Dhom stated the following:

- The building has always been heated with natural gas since its construction.
- He was unsure of the chemicals used in the ice tanks on the Illinois Terminal Parcel.
- All of the drains at the Subject Property are connected to the municipal sewer system.
- Mr. Dhom was unaware of any environmental incidents since the construction of the building.

### 6.2 Off-Site Interviews

HDR did not conduct any off site interviews during this Phase I ESA.

## 7 Site Reconnaissance

Mr. Eric Mueller of HDR conducted a site reconnaissance of the Subject Property and its surrounding area on August 11, 2020. Mr. Mueller was escorted by Mr. Dhom. The weather was Sunny and 80°F. Photographs taken during the site reconnaissance are provided in Appendix G.

### 7.1 Site Reconnaissance Observations

#### 7.1.1 Site Reconnaissance of Christie Clinic Parking Lot

The parcel at 118 South Walnut Street operates as a private parking lot for Christie Clinic. The parking lot was in use at the time of the site reconnaissance. Mr. Mueller did not observe any stains, signs of petroleum or hazardous substance releases, or any odors indicative of environmental concern.

#### 7.1.2 Site Reconnaissance of University and Market Parking Lot, and exterior of Illinois Terminal

The parcel at 43 East University Avenue operates as a municipal parking lot, which was in use at the time of the site reconnaissance. The parcel at 45 University Avenue operates as Illinois Terminal, which functions as a passenger terminal for bus and rail service.

**Roads:** The site operates as a bus terminal and includes a bus station in its east portion. A driveway for bus access to the station runs from its entrance on East Chester Street, along the east side of the building, and then just south of 43 East University Avenue to its exit on South Market Street. Several bus stops providing access to different bus routes are located along the west side of the driveway.

**Generator:** A backup power generator is located in the southeast portion of the Illinois Terminal building parcel. The generator is fired by natural gas.

**Petroleum storage:** Four gasoline containers holding five gallons or less, and several smaller containers of oil were stored in a shed located in the southeast corner of the Illinois Terminal building parcel. Housekeeping in and around the shed was good, and no signs of leaks or spills were noted nearby.

**Storage tanks:** Two ice storage tanks used in connection with the building's HVAC system are located in the southeast corner of the Illinois Terminal building parcel. The tanks were Calmac IceBanks, which use either propylene- or ethylene-glycol in their operation. The tanks were well maintained with no signs of leaks.

**Wastewater:** Storm drains are located throughout the parking lot and along the bus terminal driveway, and are connected to the municipal storm sewer system.

### 7.1.3 Site Reconnaissance of Interior of Illinois Terminal (45 East University Avenue)

**Chemical storage:** Items such as cleaning supplies, paints, lubricants, solvents, and other chemicals typically used for building maintenance are properly stored throughout the building in designated areas. Chemical storage areas included cleaning closets, metal cabinets, and maintenance areas.

**Heating system:** The building is heated by four boilers located in its basement.

**Hydraulic elevators:** Two hydraulic elevators are located in the building. The equipment containing the hydraulic fluid was well maintained with no nearby staining, signs of spills, or leaks.

### 7.1.4 Site Reconnaissance of Railroad Right-of-Way

Mr. Mueller observed the railroad right-of-way from the Illinois Terminal train platform, and did not note any environmental concerns.

## 7.2 Utilities and PCBs

The Subject Property is serviced by municipal utilities including electric, natural gas, water, and sewer. HDR did not encounter signs indicating PCBs were present on the property.

- Three overhead pole-mounted transformers are located along the south side of Baily Street, however they are not located directly above the Subject Property. No signs of leaks or staining was observed near the transformers during the reconnaissance. No other overhead transformers were observed at the Subject Property.
- Two hydraulic elevators are located in the Illinois Terminal building (see Section 7.1.3). The equipment containing the hydraulic fluid was well maintained with no nearby staining, signs of spills, or leaks.

## 7.3 Vapor Intrusion Potential

According to EPA guidance, vapor intrusion is the general term for the migration of the vapor phase contaminants into buildings or structures. These contaminants are primarily volatile organic compounds (VOCs) and some heavy metals (mercury). These contaminants migrate from any subsurface contaminant source, such as contaminated soil or groundwater, through the soil and into an overlying building. The two general classes of VOCs that account for a large number of soil and groundwater contamination sites in the United States are petroleum hydrocarbons and non-petroleum hydrocarbon fuel additives, and chlorinated solvents (drycleaners and de-greasers).

The potential for vapor intrusion was evaluated for the Subject Property. Based on the current and historical use of the Subject Property, and historical contamination at the Subject Property, a vapor encroachment condition may exist.

## 8 Data Gap Analysis

The ASTM E1527-13 standards require a listing of “data gaps,” including data failure, encountered during the investigative process that may affect the validity of the conclusions drawn by the environmental professional. The ASTM E1527-13: 12.7 standard also requires that the environmental professional estimate the relative importance of the data gaps. Generally, gaps in available data are related to the availability of historical data sources for specific sites of concern. The environmental professional uses multiple historical data sources as a method to provide coverage for data gaps. Historical information is collected on a recurring basis, and the passage of time between data sets may or may not constitute a significant gap in data coverage. For this Project, the following items may constitute a data gap as defined by ASTM E1527-13—

Specifically for this Assessment; the following data gaps are noted as:

- Absence of reports documenting remedial action describing remedial action of a LUST incident at the Subject Property in 1996. IEPA only provided the NFA/NFR letter for IEMA Incident Number 981346. This data gap is significant as it affects HDR's ability to determine the extent of a Controlled REC at the Subject Property.

## 9 Findings, Opinions, and Conclusions

HDR has conducted a Phase I Environmental Site Assessment (Phase I ESA) for the Illinois Terminal Expansion Project (“Project”) located in Champaign, Illinois for CUMTD. HDR prepared this Phase I ESA for CUMTD, who is requesting a Phase I ESA in support of environmental due diligence for the proposed expansion of the Illinois Terminal.

The Phase I ESA was performed in accordance with the scope and limitations of ASTM Practice E1527-13. Any exceptions to, or deletions from, this practice are described previously in this report. Included in this Phase I ESA are a summary of the site reconnaissance conducted on August 11, 2020, the review of the environmental database search report, historical data sources, and other records, and interviews with available personnel knowledgeable about the Subject Property.

### 9.1 Findings

General findings of this assessment include the following:

- The Subject Property has been largely industrial throughout its history including uses such as manufacturing facilities, a lumber yard, food processing plants, several auto repair garages, and a steam laundry building.
- The Illinois Terminal parcel and the University & Market Municipal Parking Lot parcel were operated as a railroad terminal since prior to 1887.
- A railroad ROW is located along the eastern portion of the Subject Property.
- South Chestnut Street ran along the western boundary of the Illinois Terminal Parcel and through Lot Logan & Market parcel from 1909 to 1993.
- An unpaved parking lot building was located in the northern portion of Christie Clinic Parking Lot in 1924.
- Fourteen underground storage tanks were removed from the Subject Property in 1996 and 1998. Visibly contaminated soil was present in all of the excavations. A No Further Action/No Further Remediation (NFA/NFR) determination was later granted by the Illinois Environmental Protection Agency (IEPA), however, details relating to clean-up efforts were not found.
- Two USTs were depicted on a Sanborn (fire insurance map), as reported by Bern, Clancy & Associates (BC&A) in a 1998 letter to IEPA. BC&A did not find the suspected USTs during excavation activities at the Subject Property.
- A gasoline filling station was located at 44 East University Avenue, located opposite East University Avenue from Subject Property between 1944 and 1963.
- Two LUSTs have been reported 65 feet south of the Christie Clinic Parking Lot parcel. One LUST was reported in 1993, and the other was reported in 2007.
- The Subject Property was zoned industrial and commercial from 1945 to 1989.
- The Illinois Terminal building at the Subject Property was constructed in 1998.

- A gasoline and oil storage building was located in the eastern portion of the Illinois Terminal Parcel in 1924.
- A fuel oil AST was located at 45 East University Avenue from 1924 to 1948 when it was replaced with a larger AST in the same location, which was removed by 1967.
- An AST was installed in the southwestern portion of 45 East University Avenue along the north side of the building at 132 South Market Street in 1967 and removed in 1977.
- The Illinois Terminal building is heated by natural gas fired boilers.
- Several chemical storage areas are located throughout the Illinois Terminal building.
- A hydraulic elevation is located in the Illinois Terminal building.
- Two Calmac IceBanks (ice tanks) are in the southeast corner of the Subject Property.

## 9.2 Opinions

### *Recognized Environmental Conditions (RECs)*

#### **HISTORICAL RAILROAD OPERATIONS**

The portion of the Subject Property east of South Market Street operated historically as a railroad terminal. Several tracks had been installed and removed prior to 1924, and a single track remains in the Railroad Right-of-Way Parcel.

Railroad operations can cause contamination including semi-volatile organic compounds (SVOCs) such as creosote and pentachlorophenol (PCP) from wood preservative, volatile organic compounds (VOCs) from lubricants used to maintain trains, and heavy metals and herbicides from track maintenance. The Subject Property's historical use as a railroad terminal is considered a REC.

#### **AUTOMOBILE REPAIR GARAGES**

Three automobile repair garages have operated at the Subject Property:

- A repair garage in the northwest corner of Christie Clinic Parking Lot operated in 1924.
- A repair garage in the southwest corner of Christie Clinic Parking Lot operated between 1924 and 1958.
- A repair garage in the southeast corner of Christie Clinic Parking Lot operated between 1924 and 1974.

Automobile repair garages are commonly contaminated with petroleum hydrocarbons and VOCs from automotive fluids spilled during repairs, and leaking waste oil storage tanks. Repair garages can also be contaminated with PCBs from leaking hydraulic lifts installed after the mass manufacturing of PCBs in the United States in 1929. The historical presence of three automobile repair garages at the Subject Property is considered a REC.

#### **INDUSTRIAL HISTORY OF THE SUBJECT PROPERTY**

The Subject Property has contained several manufacturing facilities, food processing plants, and a lumber yard throughout its history:

- A blacksmith shop and wagon yard was located in the northern portion of Christie Clinic Parking Lot between 1897 and 1909.
- The southern portion of Christie Clinic Parking Lot included a machine shop, a foundry, and a tin shop between 1897 and 1937.
- A cigar factor was located in the southwest portion of Christie Clinic Parking Lot in 1915.
- A dairy plant was located in the southeast portion of Christie Clinic Parking Lot in 1915.
- Illinois Terminal Parcel and University & Market Municipal Parking Lot operated as a lumber yard between 1887 and 1924.
- National Biscuit Co. operated in the southern portion University & Market Municipal Parking Lot in 1915.
- A dairy processing plant was located in the Lot Logan & Market Parcel between 1924 and 1951.

The Subject Property may have been impacted by the industrial land use resulting in potential contamination from VOCs (from fuels, lubricants, and solvents), SVOCs (from wood preservatives and nearby combustion), and heavy metals (from manufacturing processes). The historical presence of these industrial uses is considered a REC.

#### **HISTORICAL GASOLINE AND OIL STORAGE BUILDING AT ILLINOIS TERMINAL PARCEL**

A building identified as “Gasoline and Oil Storage” was depicted on a Sanborn Map dated 1924. No additional information as to the type of petroleum storage (ASTs or USTs) associated with the building was provided by the map.

The historical presence of a gasoline and oil storage building may indicate the presence of petroleum contamination at the parcel, and could be associated with the USTs removed between 1996 and 1998. The historical presence of the gasoline and oil storage building is considered a REC.

#### **HISTORICAL ABOVEGROUND STORAGE TANKS IN EASTERN PORTION OF SUBJECT PROPERTY**

Several ASTs have been located in the southeastern portion of the Subject Property since 1924 until the 1970s. It is possible that these ASTs may have leaked and contaminated the southeastern portion of the Subject Property with petroleum hydrocarbons. The historical presence of the ASTs at the Subject Property is considered a REC.

### *Historical Recognized Environmental Conditions*

#### **HISTORICAL LEAKING UNDERGROUND STORAGE TANKS**

Fourteen leaking underground storage tanks were removed from the Illinois Terminal Parcel and the University & Market Parking Lot between 1996 and 1998. OSFM reported significant to major soil contamination during the tank excavations.

IEPA issued an NFA/NFR determination in 1997 for thirteen of the LUSTs after meeting remedial action objectives. Remedial action was not required for the fourteenth LUST because it had been taken out of service prior to January 2, 1974.

Petroleum hydrocarbon, VOC, and lead contamination is likely present at the Subject Property from the LUST incidents, however, the incidents have been closed by IEPA. The fourteen historical LUSTs and likely remaining contamination at the Subject Property is considered an HREC.

### *De Minimis conditions*

#### **HISTORICAL HYDRAULIC ELEVATORS**

Several elevators have been present in several historical buildings at the Subject Property. Although hydraulic elevators have been common throughout the twentieth century, and hydraulic fluid has historically contained PCBs, all of the elevators observed during the Sanborn Map review were installed prior to the mass manufacturing of PCBs in the United States in 1929. The historical presence of suspect hydraulic elevators at the Subject Property is de minimis.

### *Other Opinions*

#### **HISTORICAL STEAM LAUNDRY FACILITY**

White Star Steam Laundry was located in the southwest portion of the University & Market Municipal Parking Lot in 1909. During the 1900s, steam laundry facilities were named for their method of power, and not their method of cleaning. Additionally, trichloroethylene was not widely used in dry cleaning operations. The historical presence of White Star Steam Laundry is not a REC.

#### **HYDRAULIC ELEVATOR IN THE ILLINOIS TERMINAL BUILDING**

A hydraulic elevator is present inside of the Illinois Terminal Building. Hydraulic fluid no longer contained PCBs when the elevator was installed during the buildings construction in 1998. The elevator was observed to be well maintained and does not pose a material threat of release. The presence of the hydraulic elevator at the site is not a REC.

#### **SERVICE STATION AND UNDERGROUND STORAGE TANKS DESCRIBED IN LUST INCIDENT REPORT**

BC&A reported a LUST in 1998 after observing a historical service station and two USTs on a Sanborn Map. None of the Sanborn Maps reviewed during this Phase I ESA depicted a services station or USTs within the Illinois Terminal Parcel or the University & Market Parking Lot. A service station with two USTs was depicted in a 1951 Sanborn Map, approximately 130 feet north of the Subject Property. BC&A likely misidentified the service station formerly located at 44 East University Avenue as being located within the

Subject Property. BC&A proceeded with the excavation at University & Market Municipal Parking Lot and did not find any UST or soil contamination. The erroneous report of a historical service station and two USTs, and the resulting incident case is not a REC.

#### CHEMICAL STORAGE AREAS

Chemical storage areas observed during the site reconnaissance were well maintained. The presence of the chemical storage areas is not a REC.

#### LEAKING UNDERGROUND STORAGE TANKS AT NEARBY PROPERTIES

LUSTs have been report to Illinois Emergency Management Agency at 11 East Logan Street in 2007, and 202 South Chestnut Street in 1993. Neither site is upgradient from the Subject Property, and are unlikely to have affected the environmental quality of the Subject Property. These LUST incidents are not RECs.

## 9.3 Conclusions

Based upon the above-detailed Findings and Opinions, HDR concludes that RECs have been identified for the Illinois Terminal Expansion Project, as enumerated in the Findings section above. The following statement is required by ASTM E1527-13 as a positive declaration of whether RECs were found:

*HDR has performed a Phase I ESA in conformance with the scope and limitations of ASTM E1527-13 of four tax parcels, a portion of a railroad right-of-way, a landscaped area in its northern portion, and a portion of South Market Street, all of which reside in the City of Champaign, Champaign County, Illinois:*

- *PIN: 422012480005 at 118 South Walnut Street*
- *PIN: 422012484008 at 43 East University Avenue*
- *PIN: 422012484009 at 45 East University Avenue*
- *PIN: 422012484010 at 132 South Market Street*
- *PIN: 422012502007 in the portion between East Logan Street and Chester Street*
- *Landscaped area bounded to the north by East University Avenue and East Chester Street; and bounded to the south by PIN: 422012484008 and PIN: 422012484009*
- *Portion of South Market Street between Bailey Street to the north, and East Logan Street to the south*

*Any exceptions to or deletions from these practices are described in previous sections of this report. This assessment has revealed evidence of recognized environmental conditions in connection with the property.*

## 10 Recommendations

The Recommendations included in this report were developed through the investigative procedures described in the Scope of Services, Significant Assumptions, and Limitations sections of this report. This finding should be reviewed within the context of the limitations provided in the Limitations section.

### **SHELF LIFE**

HDR recommends that CUMTD consider the “shelf life” of Phase I ESA documents in determining risk. ASTM E1527-13: 4.6 states that a conforming “Phase I” report is valid for a period of 180 days, and may be updated during the 180 days to 1-year timeframe. The report is valid for use in any of the CERCLA defenses ONLY if it is updated within this timeframe. If greater than one year passes from the final report date, the Phase I effort would need to be repeated to remain in compliance with ASTM and the “All Appropriate Inquiry” protection.

### **PHASE II ENVIRONMENTAL SITE ASSESSMENT**

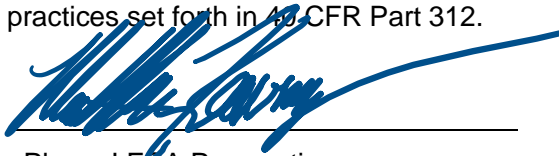
HDR recommends a targeted subsurface investigation (Phase II Environmental Site Assessment) to determine if the RECs identified herein have impacted subsurface conditions at the Subject Property. Unidentified contamination could pose a risk to construction worker health and safety, and also result in potential delays to construction activities.

# 11 Qualifications of Environmental Professionals

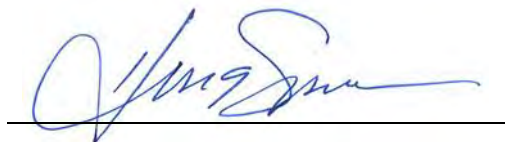
## Signatures and Qualifications

We declare that, to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in Section 312.10 of 40 Code of Federal Regulations (C.F.R.) Part 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. We have developed and performed the all appropriate inquires in conformance with standards and practices set forth in 40 CFR Part 312.



Phase I ESA Preparation  
Matthew T. Keaveney, PG (CA)  
Geologist



Quality Control / Quality Assurance  
Hong Spores, CPG  
Senior Hydrogeologist

### THIS PHASE I ESA WAS PERFORMED BY THE FOLLOWING HDR PERSONNEL:

**Matthew T. Keaveney**, PG (CA) is a geologist who has performed Phase I and Phase II Environmental Site Assessments and other subsurface investigations of dozens of sites throughout the Northeast, Midwest, and Southwest United States and territories for multiple government agencies and private developers. Mr. Keaveney is experienced in sampling all types of media impacted by a wide range of contaminants. He holds a Bachelor of Science degree in geology from Binghamton University. Mr. Keaveney is a member of ASTM Committee E50 on Environmental Assessment, Risk Management, and Corrective Action; and ASTM Committee D18 on Soil and Rock.

### QUALITY ASSURANCE / QUALITY CONTROL WAS PERFORMED BY THE FOLLOWING HDR PERSONNEL:

**Ms. Hong T. Spores**, CPG, is a qualified environmental professional, as defined by ASTM Practice E1527-13, and has 20 years of experience in the assessment and remediation of impacted properties and compliance with environmental regulations. She has a BS in Geology from the University of Minnesota and an MBA from the University of St. Thomas. Ms. Spores specializes in investigations of hazardous materials-impacted properties for public and private sector clients. She is highly knowledgeable of federal, state, and local environmental regulations and standards, along with environmental due diligence relating to real estate transactions. Her experience covers assessments ranging from agricultural properties to industrial facilities located in more than 25 states.

## 12 References

- ASTM International. 2013. "ASTM E1527 - 13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." Standard, West Conshohocken, PA.
- Champaign County. 2020. *Champaign County Property Tax Inquiry*. July 16. Accessed July 16, 2020. <https://champaignil.devnetwedge.com/>.
- Champaign County GIS Consortium. 2020. *Interactive Public Map*. Accessed July 16, 2020. <https://www.maps.ccgisc.org/public/>.
- City of Champaign. 2020. *City of Champaign Permits and Projects Web Portal*. Accessed July 16, 2020. <https://etrakit.champaignil.gov/etrakit/>.
- City of Champaign. 1945. "Zoning Districts Map of Champaign." Zoning Map, Champaign, IL. Accessed July 20, 2020. <https://digital.library.illinois.edu/items/73aa0ee0-f563-0134-23e3-0050569601ca-d#?c=0&m=0&s=0&cv=0&r=0&xywh=-3640%2C-1%2C11278%2C3554>.
- City of Champaign. 1986. "Zoning Map of Champaign." Zoning Map, Champaign, IL. Accessed July 20, 2020. <https://digital.library.illinois.edu/items/739ba730-f563-0134-23e3-0050569601ca-c#?c=0&m=0&s=0&cv=0&r=0&xywh=-4881%2C0%2C12693%2C3999>.
- City of Champaign. 1989. "Zoning Map of Champaign." Zoning Map, Champaign, IL. Accessed July 20, 2020. <https://digital.library.illinois.edu/items/73a2ece0-f563-0134-23e3-0050569601ca-4#?c=0&m=0&s=0&cv=0&r=0&xywh=-4733%2C0%2C12693%2C3999>.
- City of Champaign, Illinois. 2020. "Municipal Code, Chapter 37 - Zoning." Champaign, IL, March 3.
- Environmental Data Resources, Inc. 2020. "Illinois Terminal, 101 S Market St, Champaign, IL 61820, Inquiry Number: 6124595.2s." The EDR Radius Map Report with GeoCheck, Shelton, CT.
- Environmental Data Resources, Inc. 2020. "Illinois Terminal, 101 S Market St, Champaign, IL 61820, Inquiry Number: 6124595.3." Certified Sanborn Map Report, Shelton, CT.
- Environmental Data Resources, Inc. 2020. "Illinois Terminal, 101 S Market St, Champaign, IL 61820, Inquiry Number: 6124595.4." EDR Historical Topo Map Report with QuadMatch, Shelton, CT.
- Environmental Data Resources, Inc. 2020. "Illinois Terminal, 101 S Market St, Champaign, IL 61820, Inquiry Number: 6124595.8." The EDR Aerial Photo Decade Package, Shelton, CT.
- Illinois Environmental Protection Agency. 2020. *Site Remediation Program Database Search*. Accessed July 16, 2020. <https://www2.illinois.gov/epa/topics/cleanup-programs/bol-database/Pages/srp.aspx>.
- NETROnline. 2020. *Historic Aerials*. Accessed July 16, 2020. <https://www.historicaerials.com/viewer>.
- USDA. 2020. *Web Soil Survey*. Accessed July 16, 2020. <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>.
- USGS. 2014. *USGS Historical Topographic Map Explorer*. Accessed July 16, 2020. <https://livingatlas.arcgis.com/topoexplorer/index.html>.

# Appendix A. Environmental Database Report



INQUIRY #: 6124595.8

YEAR: 1969

— = 500'



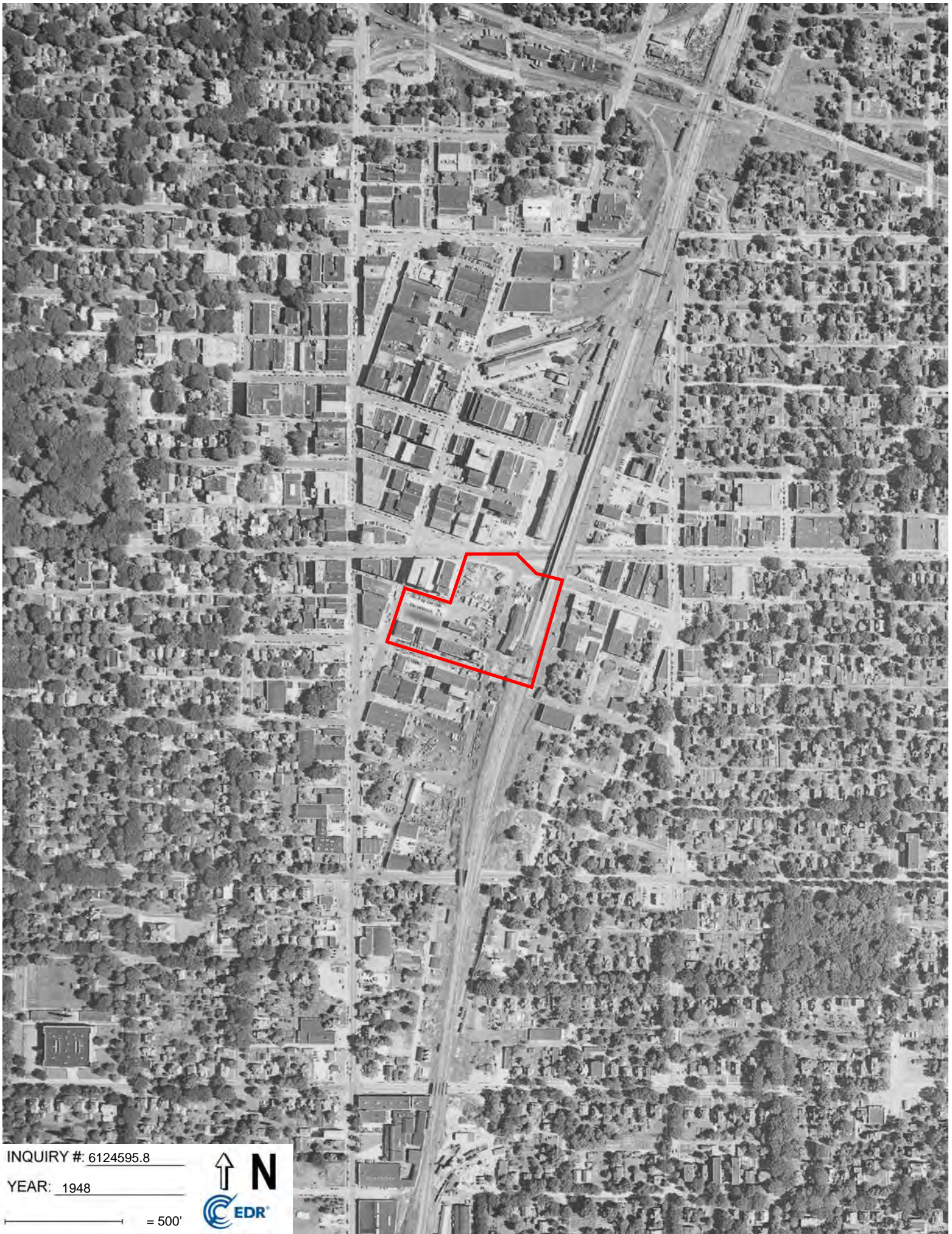


INQUIRY #: 6124595.8

YEAR: 1955

— = 500'





INQUIRY #: 6124595.8

YEAR: 1948

— = 500'





INQUIRY #: 6124595.8

YEAR: 1940

— = 500'







# Appendix B. Agency File Review and Previous Reports





State of Illinois  
**ENVIRONMENTAL PROTECTION AGENCY**

Mary A. Gade, Director  
 217/782-6762

2200 Churchill Road, Springfield, IL 62794-9276

**FEB 14 1997**

Champaign/Urbana Mastransit Co.  
 Attn: Bill Volk  
 801 East University Avenue  
 Urbana, Illinois 61801

Re: LPC #0190105233 -- Champaign County  
 Urbana/Champaign-Urbana Mastransit  
 106 South Chestnut  
 LUST Incident No. 962016  
 LUST Technical File

Dear Mr. Volk:

The Illinois Environmental Protection Agency has reviewed the 45-Day and Corrective Action Completion Reports which have been submitted for the above-referenced LUST incident. This information was dated January 9, 1997, was received by the Agency January 14, 1997, and was prepared by Berns, Clancy & Associates.

The Corrective Action Completion Report and the Professional Engineer Certification submitted pursuant to 35 IAC Section 732.300(b)(1) and Section 732.409(b) have demonstrated that the remediation objectives set forth in 35 IAC Section 732.408 have been met.

Based upon (a) the certification by Thomas Berns, a registered Professional Engineer of Illinois, it appears that all corrective action requirements of Title XVI of the Act and 35 Illinois Administrative Code Part 732 for the release of petroleum from the underground storage tank(s) have been satisfied.

For purposes of appeal, this constitutes the Agency's final decision regarding the above matter. Please see Appendix 1 for an owner or operator's appeal rights.

If you have any questions or require further assistance, please contact Bill Haskins of my staff at 217 782-6762.

Sincerely,

*Clifford L. Wheeler*

Clifford L. Wheeler  
 Unit Manager  
 Leaking Underground Storage Tank Section  
 Division of Remediation Management  
 Bureau of Land

bcc: Division File  
 Cliff Wheeler  
 Bill Haskins

CLW:BF mls-973217.WPD

cc Berns, Clancy & Associates  
 Midwest Engineering Services

IEPA-DIVISION OF RECORDS MANAGEMENT  
 RELEASABLE

**AUG 23 2017**

**REVIEWER: EMI**

**SCREENED**  
**MM**

0190105262 - Champaign  
Champaign, City of



JUN-11-98 THU 12:27

IEMA

WSJ

FAX NO. 2177827774

P. 01/01

- 4

Illinois Emergency Management Agency

Incident Number 9 8 1 4 0 8

FIELD REPORT

Notify: ILLINOIS EMERGENCY MANAGEMENT AGENCY  
1 - 800 / 782 - 7860 or 217 / 782 - 7860

Date: 06 / 11 / 98  
Time: 1321  
Received by: JAG

- 1. Caller: MICHAEL BURNS
- 2. Call back phone#: 217/384-1144
- 3. Caller represents: BURNS, CLANGY & ASSOCIATES
- 4. Type of incident:  Fire  Leak  Explosion  Water Involvement  Gas or Vapor cloud  Other
- 5. Incident Location: 45 E. University  
Street UNIVERSITY AVE & CHRISTI ST  
City CHAMPAIGN 010 In  Near   
County CHAMPAIGN 019  
Milepost       RR  River  Highway  
Sec.      Twp.      Range
- 6. Area Involved:  Highway  Rail  Fixed Facility  Waterway  Air  Other
- 7. Material (s) Involved: GASOLINE  
 Gas  Liquid  Semi-Solid  Solid  
 Pesticide  Radioactive  
CAS # 008006619  
UN/NA #       
Is this a 302 (a) Extremely Hazardous Substance?  Yes  No  Unknown  
Is this a RCRA Hazardous Waste?  Yes  No  Unknown  
If Yes, is this a RCRA regulated facility?  Yes  No
- 8. Container:  Truck  RR car  Drum  Aboveground tank  Pipeline  Underground tank  Other  
container size: 1000 GAL
- 9. Amount released: UNKNOWN  
Rate of release:      / min.
- 10. Cause of release: RUSTY TANK
- 11. Estimated spill extent: 10  
 square feet  square yards
- 12.  Occurred Date:      /      /      Time:       
 Discovered Date: 06 / 05 / 98 Time:

- 14. On Scene Contact:       
On Scene Phone#:
- 15. No. injured: NONE  Haz-mat related  
Where taken:
- 16. Public health risks and/or precautions taken, including # evacuated: NONE
- 17. Assistance needed from State Agencies: NONE
- 18. Containment/cleanup actions and plans: CONTAMINATED SOIL STOCKPILED ON SITE AND COVERED WITH PLASTIC
- 19. Weather:  sunny  overcast  night  pty. cldy.  rain  snow  
Temp.      F wind dir.      speed      mph.
- 20. Responsible Party: CITY OF CHAMPAIGN  
Contact person: #1  
Phone # #2  
Mailing address: 405 E. MAIN ST, URBANA, IL 61802
- Notifications: FAX TO IEMA, IDPH, SPS, REG 7

- 13. Emergency units contacted
- Fire
- Sheriff
- Police
- ESDA
- Other

- On scene
- Fire
- Sheriff
- Police
- ESDA
- Other: OSTM/JACK PRICE

SCREENED



**BERNS, CLANCY AND ASSOCIATES**

PROFESSIONAL CORPORATION

**ENGINEERS • SURVEYORS • PLANNERS**

0190105262 - Champaign  
Champaign, City of

THOMAS B. BERNs  
EDWARD L. CLANCY  
CHRISTOPHER BILLING

DONALD WAUTHIER  
ELIZABETH TYLER  
C. THOMAS DUNN

MICHAEL BERNs  
BRIAN CHAILLE  
KENNETH CRAWFORD  
DENNIS CUMMINS  
JOSEPH GLEISNER  
DAN LYBARGER  
DAN MURRELL  
CHAD WALLACE

September 16, 1998

Illinois Environmental Protection Agency  
Leaking Underground Storage Tank Section #24  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

**RE: CHAMPAIGN-URBANA MASS TRANSIT DISTRICT,  
INTERMODAL TRANSPORTATION CENTER PARKING LOT G,  
CITY OF CHAMPAIGN, CHAMPAIGN COUNTY, ILLINOIS**

RECEIVED  
SEP 17 1998  
IEPA/BO.

As a part of the construction of the Intermodal Transportation Center in Champaign, the City of Champaign was reconstructing a busy downtown parking lot. Historical Sanborn-Perris maps indicated that a service station with two (2) underground storage tanks previously existed in a part of this current parking lot.

In order to remove the tanks without delay in constructing the parking lot, the tanks needed to be uncovered and quickly removed during parking lot excavation work. Thus, we reported an incident and scheduled Jack Price from the Office of the State Fire Marshal to inspect the site during the excavation. During excavation of the suspected area, a possible service line was located, but the suspected underground petroleum storage tanks were not found. No contaminated soil was encountered during the excavation.

We have not filed a 20-Day Certification nor a 45-Day Report due to the lack of encountering tanks or contaminated soil. We ask that this incident be closed.

Sincerely,

**BERNS, CLANCY AND ASSOCIATES, P.C.**

Michael Berns, Esq., Project Manager

MB:jlm  
cc: Bill Volk, CUMTD  
Craig Rost, City of Champaign  
Tom Shuh, City of Champaign  
Bill Kuhne, P.K. DeMars  
Vic Isaksen, Isaksen Glerum Architects  
2428-32.1e2 (#3)

**RELEASABLE**

JAN 04 2001

**REVIEWER MM**

**SCREENED**

12/6/2000

RECEIVED

DEC 08 2000

DIV. OF PETROLEUM CHEMICAL SAFETY OSFM REQUEST FORM

Site Name: Champaign-Urbana Mass Transit District
Site Address: 45 East University Avenue, Champaign
Incident #: 981408 OSFM facility ID #:

Indicate the reason why information is being requested:

- The owner/operator has indicated that the UST(s) associated with the above referenced incident was/were taken out of service prior to January 2, 1974.
The owner/operator has indicated that the release was heating oil AND has elected not to proceed in accordance with Title XVI of the Act.
Other (explain): Consultant Inquiry

Please provide the Agency with the following:

- UST Removal Log
Order(s) to remove UST(s)
UST registration information
Other (describe):
Nothing found at this address

IEPA Project Manager: Kuhlman

Note: When completing the Site Address, please include the street address, city and county in which the site is located.



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 Mary A. Gade, Director

217/782-6762

**NOV 12 1998**

CERTIFIED MAIL

*P344336478*

Berns, Clancy, and Associates  
Attention: Michael Berns  
405 East Main Street, P.O. Box 755  
Urbana, IL 61803-0755

Re: LPC #0190105262 -- Champaign County  
Champaign / Champaign-Urbana Mass Transit District  
45 East University Avenue  
LUST Incident #981408  
LUST Technical File

Dear Mr. Berns:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the letter submitted for the above-referenced incident. This letter, dated September 16, 1998, was received by the Illinois EPA on September 17, 1998. Citations in this letter are from the Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 IAC).

Based on the information currently in the Illinois EPA's possession, the Illinois EPA deems this incident not subject to 35 Illinois Administrative Code, Part 732. Therefore the IEPA Leaking Underground Storage Tank Section has no reporting requirements regarding this incident.

Since, there was no contaminated soil encountered during the excavation.

This letter, however, does not address whether any remaining contamination at this site is being managed to protect human health or the environment. Any remaining contamination not the subject of this letter, may be subject to other provisions of the Illinois Environmental Protection Act.

If you wish to address any remaining contamination, or portion thereof, at the site and want Illinois EPA concurrence that any cleanup measures taken are protective of human health, you may wish to consider participation in the Illinois EPA's Site Remediation Program. The Site Remediation Program has been developed to provide Illinois EPA guidance, assistance and determinations of successful completion for the voluntary conduct of remediation actions. The objectives of the program are as follows:

**SCREENED**  
03 03

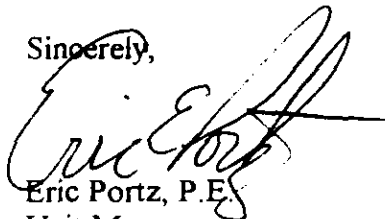
1. To provide Illinois EPA experience and assistance towards a timely, effective, and resource efficient clean-up of soil and/or groundwater contamination; and
2. To provide proper conclusion of participation in the program resulting in the issuance of either a No Further Remediation letter or a Release of Responsibility letter by the Illinois EPA.

Under the Site Remediation Program the Illinois EPA is authorized, and may agree, to provide review and evaluation services for actions at sites where hazardous substances, pesticides or petroleum may be present for which the owner or operator requested such services in writing. Any other person similarly may request review and evaluation services for actions at the site so long as that other person has provided the Illinois EPA with the written permission of the owner or operator to conduct those actions. Participants in the Program are required to reimburse the Illinois EPA for such services. Enclosed is a packet of information that further explains the Site Remediation Program.

Within 35 days after the date of mailing of this final decision, the owner or operator may petition for a hearing before the Illinois Pollution Control Board (Board) to contest the decision of the Illinois EPA. (For information regarding the filing of an appeal, please contact the Board at 312/814-3620.) However, the 35-day period for petitioning for a hearing may be extended for a period of time not to exceed 90 days by written notice provided to the Board from the owner or operator and the Illinois EPA within the 35-day initial appeal period. (For information regarding the filing of an extension, please contact the Illinois EPA's Division of Legal Counsel at 217/782-5544.)

**If you have any questions or need further assistance, please contact Eric Kuhlman of my staff at 217-785-5715.**

Sincerely,



Eric Portz, P.E.

Unit Manager

Leaking Underground Storage Tank Section

Division of Remediation Management

Bureau of Land

Illinois Environmental Protection Agency

bcc: Division  
Eric Portz  
Eric Kuhlman

P 344 336 428

US Postal Service

**Receipt for Certified Mail**

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to <i>Berns Clancy &amp; Assoc</i>	
Street & Number <i>405 E Main</i>	
Post Office, State, & ZIP Code <i>Urbana IL 61803-0755</i>	
Postage	\$
Certified Fee	<i>1.35</i>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	<i>12</i>
Return Receipt Showing to Whom, Date, & Addressee's Address	<i>12</i>
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800 April 1995

is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

*98408*

I also wish to receive the following services (for an extra fee):

1.  Addressee's Address
2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
*Berns Clancy & Assoc.  
Mt Berns  
405 E Main  
PO Box 755  
Urbana, IL 61803-0755*

4a. Article Number  
*P344 336 428*

4b. Service Type  
 Registered                       Certified  
 Express Mail                       Insured  
 Return Receipt for Merchandise    COD

7. Date of Delivery  
*11-13-98*

5. Received By: (Print Name)  
*[Signature]*

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)  
**X**

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

Illinois Environmental Protection Agency

P.O. Box 19276 Mail Code #

Springfield, IL 62794-9276





## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

THOMAS V. SKINNER, DIRECTOR

### Memorandum

**DATE:** January 2, 2001

**TO:** Kendra Brockamp

**FROM:** Eric Kuhlman

**SUBJECT:** Investigation into status of Champaign-Urbana Mass Transit District

**Re:** LPC #0190105262 -- Champaign County  
Champaign / Champaign-Urbana Mass Transit District  
45 East University Avenue  
LUST Incident #981406  
LUST Technical File

About a month ago, Nathan Murry called me to check the status of the above-referenced incident number. He's a consultant with TRILEAF Environmental in St. Louis, MO. He was asking about the open status of this particular file.

I couldn't answer his questions immediately, so I investigated further by pulling the division file and request additional information from OSFM. This is what I discovered:

- ▶ In the division file, I found a letter dated September 16, 1998 and received September 17, 1998. This letter stated that a service station with 2 USTs previously existed on the property referenced above. However, no USTs were found during excavation.
- ▶ An agency letter dated November 12, 1998, deemed the above-referenced incident not subject to 35 IAC 732. Therefore, the LUST Section had no reporting requirements regarding this particular incident.
- ▶ According to OSFM, nothing has been found at the above address.

In conclusion, I believe that the LUST database should be corrected, since this site is a non-LUST incident according to the documents referenced above.

EK

GEORGE H. RYAN, GOVERNOR

RELEASABLE

JAN 03 2001

REVIEWER MD

98-1346 - JACKIE

The Agency is authorized to require this information under Section 4 and Title XVI of the Environmental Protection Act (415 ILCS 5/4, 5/57 - 57.17). Failure to disclose this information may result in a civil penalty of not to exceed \$30,000.00 for the violation and an additional civil penalty of not to exceed \$10,000.00 for each day during which the violation continues (415 ILCS 5/42). Any person who knowingly makes a false material statement or representation in any label, manifest, record, report, permit, or other document filed, maintained or used for the purpose of compliance with Title XVI commits a Class 4 felony. Any second or subsequent offense after conviction hereunder is a Class 3 felony (415 ILCS 5/57.17). This form has been approved by the Forms Management Center.

0190105260 - Champaign  
Champaign, City of  
LUSTED

### Illinois Environmental Protection Agency Leaking Underground Storage Tank Program

(this form applies to releases subject to 415 ILCS 5/57 et seq. and 35 Ill. Adm. Code Part 732)

\* THE STATE FIRE MARSHAL REPORT ON THIS TANK  
USED AN ADDRESS OF 106 S. CHESTNUT. THE TANK LOCATION  
IS AS LISTED BELOW.

#### A. Site Identification

IEMA Incident # (6 or 9 digit): 98-1346 IEPA Generator # (10 digit): 0190 10 5057  
Site Name: CITY OF CHAMPAIGN MUNICIPAL PARKING LOT G  
Site Address (Not a P.O. Box): 45 EAST UNIVERSITY AVE., CHAMPAIGN, IL  
City: CHAMPAIGN County: CHAMPAIGN  
Office of the State Fire Marshal facility ID # (7 digit): 4035309

#### B. Regulatory Status

1. Was this incident reported to the Illinois Emergency Management Agency (IEMA) as a result of a confirmed release from an Underground Storage Tank (UST) or USTs taken out of operation prior to January 2, 1974?  
Yes  No
2. Was this incident reported to IEMA as a result of a confirmed release from an UST or USTs used exclusively to store heating oil for consumptive use on the premises where stored and which serves other than a farm or residential unit?  
Yes  No

RECEIVED

JUN 26 1998

IEPA/BOL

Note: If you marked "yes" to number 1 and/ or 2 then please complete the section below:

This form should be used as an official notification to the Agency of your intention to NOT proceed in accordance with the Leaking Underground Storage Tank (LUST) regulations, in which case you should mark the box in line "A" below. Please be advised that this election shall be deemed effective upon receipt by the Agency and may not be withdrawn once made. Alternatively, this form may be used to notify the Agency of your intention to proceed in accordance with the LUST regulations, in which case you should mark the box in line "B" below:

- A. I am electing NOT to proceed  (will not be subject to LUST regulations)
- B. I am electing to proceed  (will be subject to LUST regulations)

#### D. Signatures

Owner <u>CITY OF CHAMPAIGN</u>	Operator <u>CITY OF CHAMPAIGN</u>
Name: <u>STEVEN C. CARTER</u>	Name: <u>THOMAS A. SCHUB</u>
Title: <u>CITY MANAGER</u>	Title: <u>SPECIAL SERVICES MANAGER</u>
Address: <u>102 N IVIEIL</u>	Address: <u>702 EDGE BROOK DR</u>
<u>CHAMPAIGN IL 61820</u>	<u>CHAMPAIGN, IL</u>
Phone: <u>217 351-4422</u>	Phone: <u>217 351 4443</u>
Signature: <u>[Signature]</u>	Signature: <u>[Signature]</u>
Date: <u>6-10-98</u>	Date: <u>6/19/98</u>

SCREENED  
MM

7/14/98

0190105260 - Champaign  
Champaign City of  
LUST Tech  
OSFM REQUEST FORM

RECEIVED  
JUL 07 1998  
DIV. OF PETROLEUM &  
CHEMICAL SAFETY

Site Name: City of Champaign Municipal Parking Lot G  
Site Address: 45 East University Ave, Champaign / Champaign  
Incident #: 981346 OSFM facility ID #: 4035309

Indicate the reason why information is being requested:

- The owner/operator has indicated that the UST(s) associated with the above referenced incident was/were taken out of service prior to January 2, 1974.
- The owner/operator has indicated that the release was heating oil AND has elected not to proceed in accordance with Title XVI of the Act.
- Other (explain): \_\_\_\_\_

Please provide the Agency with the following:

- UST Removal Log
- Order(s) to remove UST(s)
- UST registration information
- Other (describe): \_\_\_\_\_

IEPA Project Manager: V. Davis

Note: When completing the Site Address, please include the street address, city and county in which the site is located.

SCREENED  
MM

# Notification for Underground Storage Tanks

OFFICE USE ONLY

- A separate form must be used for each site.
- If you have more than five tanks, photocopy pages 1-5 and attach to this notification form.
- Please type, or print in ink; the signature under "certification" (section IX) must be signed in ink.

ID NUMBER  
4-035309  
DATE RECEIVED  
**RECEIVED**  
DEC 04 1996  
DIV. OF PETROLEUM & CHEMICAL SAFETY

Facility I.D. # (if known) 4-035309

Owner I.D. # (if known) \_\_\_\_\_

## TYPE OF NOTIFICATION

- New Facility     Amended (Changes/Corrections/Additional Tanks)    Mark all that apply:
- \_\_\_\_\_ Owner Address Change (this facility only)    \_\_\_\_\_ Tanks Relined (Permit # \_\_\_\_\_)
- \_\_\_\_\_ Owner Address Change (all facilities owned)    \_\_\_\_\_ Tanks Installed (Permit # \_\_\_\_\_)
- \_\_\_\_\_ New Owner    \_\_\_\_\_ Tanks Upgraded/Repaired (Permit # \_\_\_\_\_)
- Tank(s) Removed (Permit # 1971-96)    \_\_\_\_\_ Abandonment Notice (Permit # \_\_\_\_\_)
- \_\_\_\_\_ Other \_\_\_\_\_

## I. Ownership of Tank(s)

## II. Location of Tank(s)

(if same as Section I, Mark box)

Champaign-Urbana Mass Transit District	Champaign-Urbana Mass Transit District
Owner Name (Corp., Individual., Public Agency or other Entity)	Facility Name or Company Site Identifier, as applicable
801 E. University	106 S. Chestnut
Mailing Address	Street Address or State Road, as applicable (exact address)
Urbana IL 61801	Champaign IL 61820
City State Zip	City State Zip
Champaign	Champaign
County	County
Michael Berns (217) 384-1144	Michael Berns (217) 384-1144
Contact Name (Area Code) Phone	Contact Name (Area Code) Phone

## III. TYPE OF OWNERSHIP (mark all that apply)

- Current Owner of Tanks     Ownership Uncertain \_\_\_\_\_  
Date Purchased 1/1
- Former Owner     Other \_\_\_\_\_

## IV. TYPE OF FACILITY

Type of Facility: (Circle correct code)

- |                          |                             |                           |   |
|--------------------------|-----------------------------|---------------------------|---|
| A. Service Station       | G. Industrial/Manufacturing | M. City/Town              | S. Port District                                  |
| B. Bulk Plant            | H. Private Institution      | N. County                 | T. Utility District                               |
| C. Petroleum Distributor | I. Residence (Non-Farm)     | O. State                  | U. Fire Dept.                                     |
| D. Convenience Store     | J. Farm                     | P. Federal (Military)     | <input checked="" type="checkbox"/> Other Special |
| E. Auto Dealer           | K. Airport                  | Q. Federal (Non-Military) | Service Districts                                 |
| F. Commercial/Retail     | L. Marina                   | R. School District        | W. Other _____                                    |
- (Please Specify)

**V. Description of Underground Storage Tanks (Complete entire column for each tank)**

Tank Identification Number	Tank No. <u>1</u>	Tank No. <u>2</u>	Tank No. <u>3</u>	Tank No. <u>4</u>	Tank No. <u>5</u>
<b>1. Status of Tanks</b>					
Currently in use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporarily out of use (Section 2 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permanently out of use (Section 2 must be completed)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Removed (Section 3 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abandoned in place (Section 4 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Tanks Permanently &amp; Temporarily Out of Use</b>					
Estimated date last used	<u>1 / 1</u>	<u>1 / 1</u>	<u>1 / 1</u>	<u>1 / 1</u>	<u>1 / 1</u>
<b>3. Tanks Removed</b>					
Date tank(s) removed	<u>11/19/96</u>	<u>11/19/96</u>	<u>11 / 19 / 96</u>	<u>11 / 19 / 96</u>	<u>11 / 19 / 96</u>
Estimated date last used	<u>pre 74</u>	<u>pre 74</u>	<u>pre 74</u>	<u>pre 74</u>	<u>pre 74</u>
<b>4. Abandoned in Place</b>					
Date tanks filled	<u> / /</u>	<u> / /</u>	<u> / /</u>	<u> / /</u>	<u> / /</u>
Tank filled with:					
Inert materials (sand, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)					
<b>5. Age of Tank</b>					
Date tank installed	<u>unknown</u>	<u>unknown</u>	<u>unknown</u>	<u>unknown</u>	<u>unknown</u>
Date product placed in tank	<u>unknown</u>	<u>unknown</u>	<u>unknown</u>	<u>unknown</u>	<u>unknown</u>
<b>6. Estimated Total Capacity (gallons)</b>	<u>1000</u>	<u>560</u>	<u>1000</u>	<u>1000</u>	<u>2000</u>
<b>7. Substances Currently or Last Stored:</b>					
<b>Petroleum</b>					
Diesel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kerosene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gasoline	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Used oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please specify)					
<b>Petroleum Use (if applicable):</b>					
Heating oil (consumptive use on premises)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Back-up generator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)					
<b>Hazardous Substance:</b>					
Name of principal CERCLA substance					
Chemical Abstract Service (CAS No)					

**V. Description of Underground Storage Tanks (Complete entire column for each tank)**

Tank Identification Number	Tank No. <u>6</u>	Tank No. <u>7</u>	Tank No. <u>8</u>	Tank No. <u>9</u>	Tank No. <u>10</u>
<b>1. Status of Tanks</b>					
Currently in use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporarily out of use (Section 2 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permanently out of use (Section 2 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Removed (Section 3 must be completed)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Abandoned in place (Section 4 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Tanks Permanently &amp; Temporarily Out of Use</b>					
Estimated date last used	<u> / /</u>	<u> / /</u>	<u> / /</u>	<u> / /</u>	<u> / /</u>
<b>3. Tanks Removed</b>					
Date tank(s) removed	<u>11/22/96</u>	<u>11/22/96</u>	<u>11/20/96</u>	<u>11/19/96</u>	<u>11/22/96</u>
Estimated date last used	<u>pre 74</u>	<u>pre 74</u>	<u>pre 74</u>	<u>pre 74</u>	<u>pre 74</u>
<b>4. Abandoned in Place</b>					
Date tanks filled	<u> / /</u>	<u> / /</u>	<u> / /</u>	<u> / /</u>	<u> / /</u>
Tank filled with:					
Inert materials (sand, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<b>5. Age of Tank</b>					
Date tank installed	<u>unknown</u>	<u>unknown</u>	<u>unknown</u>	<u>unknown</u>	<u>unknown</u>
Date product placed in tank	<u>unknown</u>	<u>unknown</u>	<u>unknown</u>	<u>unknown</u>	<u>unknown</u>
<b>6. Estimated Total Capacity (gallons)</b>	<u>18000</u>	<u>18000</u>	<u>18000</u>	<u>18000</u>	<u>1000</u>
<b>7. Substances Currently or Last Stored:</b>					
<b>Petroleum</b>					
Diesel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kerosene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gasoline	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Used oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please specify)	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<b>Petroleum Use (if applicable):</b>					
Heating oil (consumptive use on premises)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Back-up generator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<b>Hazardous Substance:</b>					
Name of principal CERCLA substance	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Chemical Abstract Service (CAS No.)	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>

**V. Description of Underground Storage Tanks (Complete entire column for each tank)**

Tank Identification Number	Tank No. <u>11</u>	Tank No. <u>12</u>	Tank No. <u>   </u>	Tank No. <u>   </u>	Tank No. <u>   </u>
<b>Status of Tanks</b>					
Currently in use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporarily out of use (Section 2 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permanently out of use (Section 2 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Removed (Section 3 must be completed)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abandoned in place (Section 4 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Tanks Permanently &amp; Temporarily Out of Use</b>					
Estimated date last used	<u>   /   /   </u>	<u>   /   /   </u>	<u>   /   /   </u>	<u>   /   /   </u>	<u>   /   /   </u>
<b>3. Tanks Removed</b>					
Date tank(s) removed	<u>11/ 20/ 96</u>	<u>11/ 20/ 96</u>	<u>   /   /   </u>	<u>   /   /   </u>	<u>   /   /   </u>
Estimated date last used	<u>pr/e 7A</u>	<u>pr/e 7A</u>	<u>   /   /   </u>	<u>   /   /   </u>	<u>   /   /   </u>
<b>4. Abandoned in Place</b>					
Date tanks filled	<u>   /   /   </u>	<u>   /   /   </u>	<u>   /   /   </u>	<u>   /   /   </u>	<u>   /   /   </u>
Tank filled with:					
Inert materials (sand, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<b>5. Age of Tank</b>					
Date tank installed	<u>unknown</u>	<u>unknown</u>	<u>   /   /   </u>	<u>   /   /   </u>	<u>   /   /   </u>
Date product placed in tank	<u>unknown</u>	<u>unknown</u>	<u>   /   /   </u>	<u>   /   /   </u>	<u>   /   /   </u>
<b>6. Estimated Total Capacity (gallons)</b>	<u>2000</u>	<u>2000</u>	<u>          </u>	<u>          </u>	<u>          </u>
<b>7. Substances Currently or Last Stored:</b>					
<b>Petroleum</b>					
Diesel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kerosene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gasoline	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Used oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please specify)	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<b>Petroleum Use (if applicable):</b>					
Heating oil (consumptive use on premises)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Back-up generator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<b>Hazardous Substance:</b>					
Name of principal CERCLA substance	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
Chemical Abstract Service (CAS No.)	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>

**IL Notification for Underground Storage Tanks** **OFFICE USE ONLY**

- A separate form must be used for each site.
- If you have more than five tanks, photocopy pages 1-5 and attach to this notification form.
- Please type, or print in ink; the signature under "certification" (section IX) must be signed in ink.

ID NUMBER 4035309  
 DATE RECEIVED  
**RECEIVED**  
 JUN 12 1998

Facility I.D. # (if known) 4-035309 Owner I.D. # (if known) U0002729  
DIV. OF PETROLEUM & CHEMICAL SAFETY

**TYPE OF NOTIFICATION**

- New Facility  Amended (Changes/Corrections/Additional Tanks) Mark all that apply:
- Owner Address Change (this facility only)       Tanks Relined (Permit # \_\_\_\_\_)  
 Owner Address Change (all facilities owned)       Tanks Installed (Permit # \_\_\_\_\_)  
 New Owner       Tanks Upgraded/Repaired (Permit # \_\_\_\_\_)  
 Tank(s) Removed (Permit # 2321-98REM)       Abandonment Notice (Permit # \_\_\_\_\_)  
 Other \_\_\_\_\_

**I. Ownership of Tank(s)** **II. Location of Tank(s)**  
 (if same as Section I, Mark box)

Owner Name (Corp., Individual., Public Agency or other Entity) <u>City of Champaign</u>	Facility Name or Company Site Identifier, as applicable <u>City of Champaign Parking Lot G</u>
Mailing Address <u>102 N. Neil</u>	Street Address or State Road, as applicable (exact address) <u>45 E. University</u>
City State Zip <u>Champaign IL 61820</u>	City State Zip <u>Champaign IL 61820</u>
County <u>Champaign</u>	County <u>Champaign</u>
Contact Name (Area Code) Phone <u>Michael Berns (217) 384-1144</u>	Contact Name (Area Code) Phone <u>Michael Berns (217) 384-1144</u>

**III. TYPE OF OWNERSHIP (mark all that apply)**

- Current Owner of Tanks UNKNOWN  Ownership Uncertain \_\_\_\_\_  
 Date Purchased     /    /
- Former Owner  Other \_\_\_\_\_

**IV. TYPE OF FACILITY**

- Type of Facility: (Circle correct code)
- |                          |                             |  |                     |
|--------------------------|-----------------------------|--|---------------------|
| A. Service Station       | G. Industrial/Manufacturing | <input checked="" type="radio"/> City/Town | S. Port District    |
| B. Bulk Plant            | H. Private Institution      | N. County                                  | T. Utility District |
| C. Petroleum Distributor | I. Residence (Non-Farm)     | O. State                                   | U. Fire Dept.       |
| D. Convenience Store     | J. Farm                     | P. Federal (Military)                      | V. Other Special    |
| E. Auto Dealer           | K. Airport                  | Q. Federal (Non-Military)                  | Service Districts   |
| F. Commercial/Retail     | L. Marina                   | R. School District                         | W. Other _____      |
- (Please Specify)

**V. Description of Underground Storage Tanks (Complete entire column for each tank)**

Tank Identification Number	Tank No. <u>1</u>	Tank No. <u>   </u>	Tank No. <u>   </u>	Tank No. <u>   </u>	Tank No. <u>   </u>
<b>1. Status of Tanks</b>					
Currently in use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporarily out of use (Section 2 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permanently out of use (Section 2 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Removed (Section 3 must be completed)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abandoned in place (Section 4 must be completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Tanks Permanently &amp; Temporarily Out of Use</b>					
Estimated date last used	<u>  /  /  </u>	<u>  /  /  </u>	<u>  /  /  </u>	<u>  /  /  </u>	<u>  /  /  </u>
<b>3. Tanks Removed</b>					
Date tank(s) removed	<u>6/5/98</u>	<u>  /  /  </u>	<u>  /  /  </u>	<u>  /  /  </u>	<u>  /  /  </u>
Estimated date last used	<u>pre 74/</u>	<u>  /  /  </u>	<u>  /  /  </u>	<u>  /  /  </u>	<u>  /  /  </u>
<b>4. Abandoned in Place</b>					
Date tanks filled	<u>  /  /  </u>	<u>  /  /  </u>	<u>  /  /  </u>	<u>  /  /  </u>	<u>  /  /  </u>
Tank filled with:					
Inert materials (sand, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<b>5. Age of Tank</b>					
Date tank installed	<u>  /  /  1960's</u>	<u>  /  /  </u>	<u>  /  /  </u>	<u>  /  /  </u>	<u>  /  /  </u>
Date product placed in tank	<u>  /  /  1960's</u>	<u>  /  /  </u>	<u>  /  /  </u>	<u>  /  /  </u>	<u>  /  /  </u>
<b>6. Estimated Total Capacity (gallons)</b>	<u>1000</u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<b>7. Substances Currently or Last Stored:</b>					
<b>Petroleum</b>					
Diesel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kerosene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Used oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please specify)	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<b>Petroleum Use (if applicable):</b>					
Heating oil (consumptive use on premises)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Back-up generator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<b>Hazardous Substance:</b>					
Name of principal CERCLA substance	<u>                                    </u>	<u>                                    </u>	<u>                                    </u>	<u>                                    </u>	<u>                                    </u>
Chemical Abstract Service (CAS No)	<u>                                    </u>	<u>                                    </u>	<u>                                    </u>	<u>                                    </u>	<u>                                    </u>

**The appearance Some of the images  
following this page is due to**

**Poor Quality Original Documents**

**and not the scanning or filming processes.**

**Com Microfilm Company  
(217) 525-5860**



OFFICE OF THE STATE FIRE MARSHAL  
 DIVISION OF PETROLEUM AND CHEMICAL SAFETY  
 1035 STEVENSON DRIVE  
 SPRINGFIELD, ILLINOIS 62703-4259

FACILITY # 4035309

PERMIT # 2321-58

DATE REMOVED 06/05/58

YES  
 IEMA # EX-1346

**LOG OF UNDERGROUND STORAGE TANK REMOVAL**

OWNER	FACILITY
NAME: <u>Champaign-Urbana MTD</u>	NAME: <u>Champaign-Urbana MTD</u>
ADDRESS: <u>801 E University</u>	ADDRESS: <u>106 S Chesnut</u>
CITY: <u>Urbana</u>	CITY: <u>Champaign</u>
STATE: <u>IL</u> ZIP: <u>61801</u>	COUNTY: <u>Champaign</u> ZIP: <u>61820</u>
PHONE: <u>217 384 1144</u>	PHONE: <u>same</u>

STATUS: MINOR  SIGNIFICANT  MAJOR  APPEARS TO BE NO RELEASE

AREA OF CONTAMINATION: TANK FLOOR  WALLS  PIPE TRENCH  OTHER

GROUND WATER CONTAMINATED: YES  NO  ANY WATER WELLS IN AREA? YES  NO

NUMBER OF TANKS REMOVED: 1

SIZE OF EACH TANK REMOVED: 1 M    M    M    M    M    M    M    M

PRODUCT STORED: ?

DOES THIS TANK APPEAR TO HAVE LEAKED? (Y OR N) X

NUMBER OF TANKS TO REMAIN IN GROUND: 0

SIZE OF EACH TANK:    M    M    M    M    M    M    M    M

PRODUCT STORED:   

COMMENTS: Visible contamination in native soil & visible holes in tank.

**REMOVAL CONTRACTOR:**

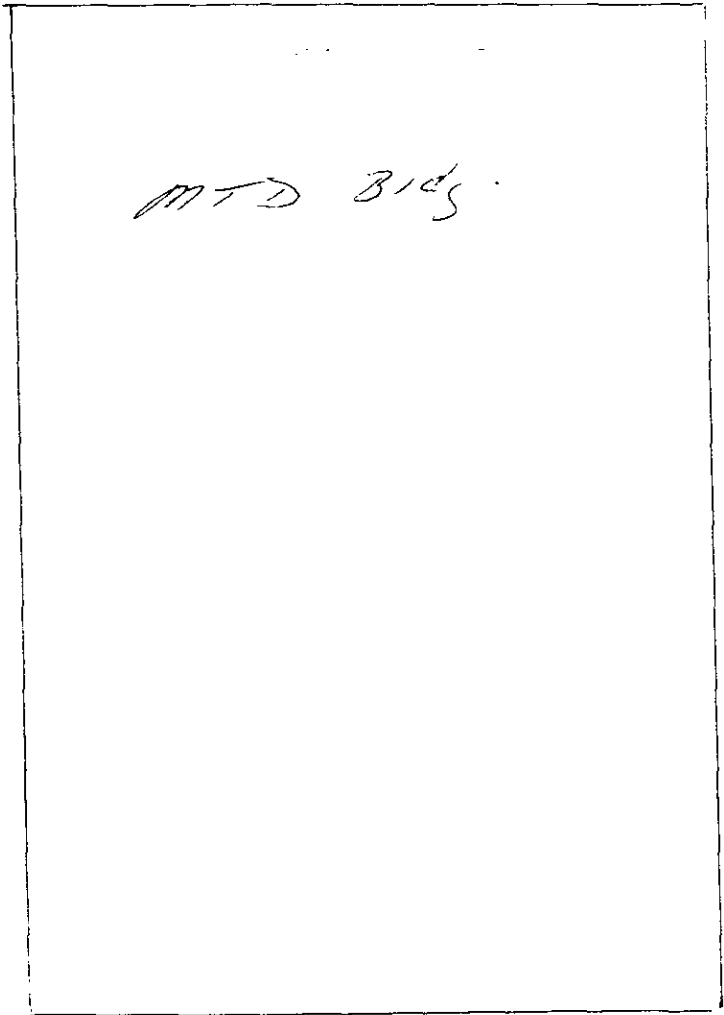
NAME: Midwest Tank Testing  
 ADDRESS: 217 S Maplewood Dr.  
 CITY: Panama STATE: IL  
 PHONE: 217 853 0011 ZIP: 61866  
 REGISTRATION #: IL 252

[Signature]  
 STORAGE TANK SAFETY SPECIALIST

2/14/01

↑  
North.

Peeking to L.





OFFICE OF THE STATE FIRE MARSHAL  
 DIVISION OF PETROLEUM AND CHEMICAL SAFETY  
 1035 STEVENSON DRIVE  
 SPRINGFIELD, ILLINOIS 62703-4259

FACILITY # 4035305  
 PERMIT # 2321-58  
 DATE REMOVED 06/05/58

FACILITY

NAME: Champaign-Urbana MTD  
 ADDRESS: 106 S CHESTNUT  
 CITY: CHAMPAIGN  
 COUNTY: Champaign ZIP: 61820

DURING REMOVAL ON THIS DATE THE FOLLOWING USTs WERE DISCOVERED DURING EXCAVATION AND/OR ACTUAL SIZE OF UST WAS DIFFERENT THAN WHAT WAS ON THE PERMIT.

ACTUAL SIZE: 1 M      M      M      M      M      M      M  
 PERMIT SIZE: 4 M      M      M      M      M      M      M

ADDITIONAL UST REMOVED:  
 SIZE:      M      M      M      M      M      M      M  
 PRODUCT STORED:                                     
 DATE LAST USED:                                   

UST EXEMPT FROM REGISTRATION? YES      NO       
 UST REQUIRES REGISTRATION? YES      NO       
 NOTIFICATION SENT BEFORE REMOVAL (WITH LATE FEES, IF APPLICABLE) YES      NO     

OWNER WAS INSTRUCTED TO INCLUDE THE ABOVE USTs ON THE NOTIFICATION FORM BEING SENT TO OSFM. PLEASE ADJUST FACILITY'S FILE TO REFLECT THE ABOVE CHANGES.

Owner's Signature  
John J. Adams (BCA)  
 Owner's Designated representative  
[Signature]  
 Storage Tank Safety Specialist



OFFICE OF THE STATE FIRE MARSHAL  
 DIVISION OF PETROLEUM AND CHEMICAL SAFETY  
 1035 STEVENSON DRIVE  
 SPRINGFIELD, ILLINOIS 62703-4259

FACILITY # 4-035309

PERMIT # 1971-96

DATE REMOVED 11/19/96

IEMA # 96-2016

LOG OF UNDERGROUND STORAGE TANK REMOVAL

OWNER	FACILITY
NAME: <u>Champaign Urbana Mass Transit</u>	NAME: <u>Champaign Urbana MTD</u>
ADDRESS: <u>801 E University St. Ave</u>	ADDRESS: <u>106 S Chestnut St.</u>
CITY: <u>Urbana</u>	CITY: <u>Champaign</u>
STATE: <u>IL</u> ZIP: <u>61801</u>	COUNTY: <u>Champaign</u> ZIP: <u>61820</u>
PHONE: _____	PHONE: _____

STATUS: MINOR \_\_\_\_\_ SIGNIFICANT  MAJOR \_\_\_\_\_ APPEARS TO BE NO RELEASE \_\_\_\_\_

AREA OF CONTAMINATION: TANK FLOOR  WALLS  PIPE TRENCH \_\_\_\_\_ OTHER \_\_\_\_\_

GROUND WATER CONTAMINATED: YES \_\_\_\_\_ NO \_\_\_\_\_ ANY WATER WELLS IN AREA? YES \_\_\_\_\_ NO

NUMBER OF TANKS REMOVED: 3

SIZE OF EACH TANK REMOVED: 2 20 50  
1 M 1 M 50 M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M

PRODUCT STORED: Gasoline

DOES THIS TANK APPEAR TO HAVE LEAKED? (Y OR N) Y Y Y \_\_\_\_\_

NUMBER OF TANKS TO REMAIN IN GROUND: \_\_\_\_\_

SIZE OF EACH TANK: \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M

PRODUCT STORED: \_\_\_\_\_

COMMENTS:  
Visible contamination & visible holes in the tanks.

REMOVAL CONTRACTOR:  
 NAME: Midwest Tank Testing Companies  
 ADDRESS: 217 S Maplewood  
 CITY: Rantoul STATE: IL  
 PHONE: 217 483 9109 ZIP: 61866  
 REGISTRATION #: IL 752

RECEIVED  
 DEC 04 1996  
 DIV. OF PETROLEUM &  
 CHEMICAL SAFETY

(Over)

[Signature]  
 STORAGE TANK SAFETY SPECIALIST

NORTH



University Ave

Chester St

#1



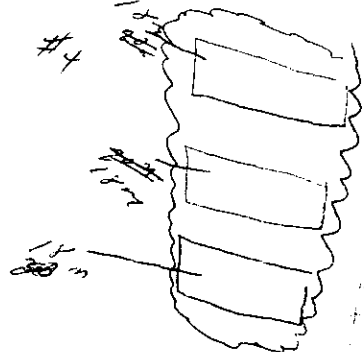
#2



#3



#4



18m





OFFICE OF THE STATE FIRE MARSHAL  
 DIVISION OF PETROLEUM AND CHEMICAL SAFETY  
 1035 STEVENSON DRIVE  
 SPRINGFIELD, ILLINOIS 62703-4259

FACILITY # 4-035309

PERMIT # 1971-96

DATE REMOVED 11/19/96

IEMA # 96-2016

**LOG OF UNDERGROUND STORAGE TANK REMOVAL**

**OWNER**

NAME: Champaign Urbana MTD  
 ADDRESS: 901 E University  
 CITY: Urbana  
 STATE: IL ZIP: 61801  
 PHONE: \_\_\_\_\_

**FACILITY**

NAME: Champaign Urbana MTD  
 ADDRESS: 106 S Chestnut  
 CITY: Champaign  
 COUNTY: Champaign ZIP: 61820  
 PHONE: 217 388 1144

STATUS: MINOR \_\_\_\_\_ SIGNIFICANT  MAJOR \_\_\_\_\_ APPEARS TO BE NO RELEASE \_\_\_\_\_

AREA OF CONTAMINATION: TANK FLOOR  WALLS  PIPE TRENCH \_\_\_\_\_ OTHER \_\_\_\_\_

GROUND WATER CONTAMINATED: YES \_\_\_\_\_ NO  ANY WATER WELLS IN AREA? YES \_\_\_\_\_ NO

NUMBER OF TANKS REMOVED: 2

SIZE OF EACH TANK REMOVED: 4 5  
2 M 1 M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M

PRODUCT STORED: Gas filled with sand

DOES THIS TANK APPEAR TO HAVE LEAKED? (Y OR N) \_\_\_\_\_

NUMBER OF TANKS TO REMAIN IN GROUND: \_\_\_\_\_

SIZE OF EACH TANK: \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M

PRODUCT STORED: \_\_\_\_\_

COMMENTS:  
Visible contamination & visible holes in tank.

**REMOVAL CONTRACTOR:**

NAME: Midwest Tank Testing Co.  
 ADDRESS: 217 S Maplewood  
 CITY: Pontiac STATE: IL  
 PHONE: 217 853 5105 ZIP: \_\_\_\_\_  
 REGISTRATION #: IL 752

RECEIVED  
 DEC 04 1996  
 DIV. OF PETROLEUM &  
 CHEMICAL SAFETY

[Signature]  
 STORAGE TANK SAFETY SPECIALIST



OFFICE OF THE STATE FIRE MARSHAL  
 DIVISION OF PETROLEUM AND CHEMICAL SAFETY  
 1035 STEVENSON DRIVE  
 SPRINGFIELD, ILLINOIS 62703-4259

FACILITY # 4-035305  
 PERMIT # 1971-96  
 DATE REMOVED 11/1/96  
 IEMA # 96-2016

**LOG OF UNDERGROUND STORAGE TANK REMOVAL**

3

OWNER	FACILITY
NAME: <u>Champaign Urbana MTD</u>	NAME: <u>Champaign Urbana MTD</u>
ADDRESS: <u>801 S University</u>	ADDRESS: <u>106 S Chasnut</u>
CITY: <u>Urbana</u>	CITY: <u>Champaign</u>
STATE: <u>IL</u> ZIP: <u>61801</u>	COUNTY: <u>Champaign</u> ZIP: <u>61820</u>
PHONE: _____	PHONE: _____

STATUS: MINOR \_\_\_\_\_ SIGNIFICANT \_\_\_\_\_ MAJOR  APPEARS TO BE NO RELEASE \_\_\_\_\_

AREA OF CONTAMINATION: TANK FLOOR  WALLS  PIPE TRENCH \_\_\_\_\_ OTHER \_\_\_\_\_

GROUND WATER CONTAMINATED: YES \_\_\_\_\_ NO \_\_\_\_\_ ANY WATER WELLS IN AREA? YES \_\_\_\_\_ NO

NUMBER OF TANKS REMOVED: 4

SIZE OF EACH TANK REMOVED: 2 M 2 M 1 M 1 M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M

PRODUCT STORED: Gas Gas Filled with sand Gas \_\_\_\_\_

DOES THIS TANK APPEAR TO HAVE LEAKED? (Y OR N) \_\_\_\_\_

NUMBER OF TANKS TO REMAIN IN GROUND: \_\_\_\_\_

SIZE OF EACH TANK: \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M

PRODUCT STORED: \_\_\_\_\_

COMMENTS:  
Visible contamination & visible holes in all tanks.

**REMOVAL CONTRACTOR:**

NAME: Midwest Tank Testing Co.  
 ADDRESS: 217 S Maplewood  
 CITY: Peotau STATE: IL  
 PHONE: 217 853 9109 ZIP: 61866  
 REGISTRATION #: IL 752

**RECEIVED**  
**DEC 04 1996**  
 DIV. OF PETROLEUM &  
 CHEMICAL SAFETY

[Signature]  
 STORAGE TANK SAFETY SPECIALIST



OFFICE OF THE STATE FIRE MARSHAL  
 DIVISION OF PETROLEUM AND CHEMICAL SAFETY  
 1035 STEVENSON DRIVE  
 SPRINGFIELD, ILLINOIS 62703-4259

FACILITY # X-035305  
 PERMIT # 1971-96  
 DATE REMOVED 11/18/96  
 IEMA # 96-2016

4

LOG OF UNDERGROUND STORAGE TANK REMOVAL

OWNER	FACILITY
NAME: <u>Champaign Urbana MTD</u>	NAME: <u>Champaign Urbana MTD</u>
ADDRESS: <u>801 E University</u>	ADDRESS: <u>106 S CHESTNUT</u>
CITY: <u>Urbana</u>	CITY: <u>Champaign</u>
STATE: <u>IL</u> ZIP: <u>61801</u>	COUNTY: <u>Champaign</u> ZIP: <u>61820</u>
PHONE: _____	PHONE: _____

STATUS: MINOR \_\_\_\_\_ SIGNIFICANT \_\_\_\_\_ MAJOR  APPEARS TO BE NO RELEASE \_\_\_\_\_

AREA OF CONTAMINATION: TANK FLOOR  WALLS  PIPE TRENCH \_\_\_\_\_ OTHER \_\_\_\_\_

GROUND WATER CONTAMINATED: YES  NO \_\_\_\_\_ ANY WATER WELLS IN AREA? YES \_\_\_\_\_ NO

NUMBER OF TANKS REMOVED: \_\_\_\_\_

SIZE OF EACH TANK REMOVED: 14 M 14 M 18 M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M

PRODUCT STORED: Gas Gas Gas \_\_\_\_\_

DOES THIS TANK APPEAR TO HAVE LEAKED? (Y OR N) Y \_\_\_\_\_

NUMBER OF TANKS TO REMAIN IN GROUND: 0

SIZE OF EACH TANK: \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M \_\_\_\_\_ M

PRODUCT STORED: \_\_\_\_\_

COMMENTS:  
Visible contamination & visible holes in tanks  
 \_\_\_\_\_  
 \_\_\_\_\_

REMOVAL CONTRACTOR:  
 NAME: Midwest Tank Testing Co.  
 ADDRESS: 217 S Maplewood  
 CITY: Easton STATE: IL  
 PHONE: 217 853 5109 ZIP: 61866  
 REGISTRATION #: IL 752

RECEIVED  
 DEC 04 1996  
 DIV. OF PETROLEUM &  
 CHEMICAL SAFETY

Paul Pini  
 STORAGE TANK SAFETY SPECIALIST



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 Mary A. Gade, Director

217/782-6762

**JUL 24 1998**

City of Champaign  
Attn: Steven C. Carter  
102 N. Neil  
Champaign, Illinois 61820

Re: LPC # 0190105260 -- Champaign County  
Champaign/Champaign, City of  
45 East University Ave.  
LUST Incident No. 981346  
LUST Technical File

Dear Mr. Carter:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the "Election Not to Proceed-Pre-74 tanks" form submitted for the above-referenced incident. This form, dated June 10, 1998, was received by the Illinois EPA on June 26, 1998. Citations in this letter are from the Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 IAC).

It was stated in the correspondence that the underground storage tank(s) (UST) at the referenced site were taken out of use prior to January 2, 1974. Pursuant to 57.5(g) of the Illinois Environmental Protection Act (Act), if the Office of the State Fire Marshal (OSFM) does not issue an Order for Removal for an UST taken out of use prior to January 2, 1974, owners/operators who report an occurrence as a result of a release from such USTs are not required to perform corrective action.

Based upon information in the Illinois EPA's possession, it appears that an Order to Remove the UST(s) was not issued and based on the information provided by the owner or operator it appears that UST(s) were taken out of service prior to January 2, 1974. Therefore, you are not required to perform corrective action for the above-referenced incident.

The Illinois EPA has no authority to rescind an incident number reported to the Illinois Emergency Management Agency. However, the Illinois EPA will make record that you are not required to perform corrective action for the above-referenced incident in accordance with Title XVI of the Act.

**SCREENED  
MM**

Please note that if the UST(s) associated with the above-referenced release were taken out of service after January 1, 1974 or the OSFM had issued an Order for Removal, the owner or operator is still subject to the reporting or corrective action requirements of Title XVI of the Act and 35 Illinois Administrative Code Part 732.

This letter, however, does not address whether any remaining contamination at this site is being managed to protect human health or the environment. Any remaining contamination not the subject of this letter, may be subject to other provisions of the Illinois Environmental Protection Act.

If you wish to address any remaining contamination, or portion thereof, at the site and want Illinois EPA concurrence that any cleanup measures taken are protective of human health, you may wish to consider participation in the Illinois EPA's Site Remediation Program. The Site Remediation Program has been developed to provide Illinois EPA guidance, assistance and determinations of successful completion for the voluntary conduct of remediation actions. The objectives of the program are as follows:

1. To provide Illinois EPA experience and assistance towards a timely, effective, and resource efficient clean-up of soil and/or groundwater contamination; and
2. To provide proper conclusion of participation in the program resulting in the issuance of either a No Further Remediation letter or a Release of Responsibility letter by the Illinois EPA.

Under the Site Remediation Program the Illinois EPA is authorized, and may agree, to provide review and evaluation services for actions at sites where hazardous substances, pesticides or petroleum may be present for which the owner or operator requested such services in writing. Any other person similarly may request review and evaluation services for actions at the site so long as that other person has provided the Illinois EPA with the written permission of the owner or operator to conduct those actions. Participants in the Program are required to reimburse the Illinois EPA for such services.

If you have any questions or would like to request a packet of information that further explains the Site Remediation Program, please contact Valerie Davis at 217/782-6762.

Sincerely,



Clifford L. Wheeler  
Unit Manager  
Leaking Underground Storage Tank Section  
Division of Remediation Management  
Bureau of Land

CLW:vad

bcc: Division  
Cliff Wheeler  
Valerie Davis

0190105260 - Champaign  
Champaign City of  
WST

JUN-05-98 FRI 14:52

IEMA

FAX NO. 2177827774

P. 01/01



Illinois Emergency Management Agency

Incident Number 9 8 1 3 4 6

Notify: ILLINOIS EMERGENCY MANAGEMENT AGENCY  
1 - 800 / 782 - 7860 or 217 / 782 - 7860

*[Signature]*  
**FIELD REPORT**

Date: 06 / 05 / 98

Time: 1544

Received by: JSC

1. Caller: TOM SCHUB
2. Call back phone#: 217/351-4443
3. Caller represents: CITY OF CHAMPAIGN
4. Type of incident:  Fire  Leak  Explosion  Water Involvement  Gas or Vapor cloud  Other
5. Incident Location:  
Street 2 WEST UNIVERSITY AVENUE  
City CHAMPAIGN 010  In  Near  
County CHAMPAIGN 019  
Milepost       RR  River  Highway  
Sec.      Twp.      Range
6. Area Involved:  Highway  Rail  Fixed Facility  Waterway  Air  Other CONSTRUCTION SITE
7. Material (s) Involved: PETROLEUM PRODUCT  
UNKNOWN WHAT IT IS  
 Gas  Liquid  Semi-Solid  Solid  
 Pesticide  Radioactive  
CAS #: 0000000035  
UN/NA #:  
Is this a 302 (a) Extremely Hazardous Substance?  
 Yes  No  Unknown  
Is this a RCRA Hazardous Waste?  
 Yes  No  Unknown  
If Yes, is this a RCRA regulated facility?  
 Yes  No
8. Container:  Truck  RR car  Drum  Aboveground tank  Pipeline  Underground tank  Other  
container size: 1000 GALS
9. Amount released: UNKNOWN  
Rate of release:      / min.
10. Cause of release: OLD TANK FOUND DURING CONSTRUCTION
11. Estimated spill extent: APPROX 20 CUBIC YARDS  
 square feet  square yards
12.  Occurred Date:      /      /      Time:       
 Discovered Date: 06 / 05 / 98 Time: 1300
13. Emergency units contacted  
 Fire  Sheriff  Police  ESDA  Other  
On scene  
 Fire  Sheriff  Police  ESDA  Other OSEM/JACK PRICE
14. On Scene Contact: MIKE BURNS  
On Scene Phone#: 217/384-1444
15. No. injured: 0  Haz-mat related  
Where taken:
16. Public health risks and/or precautions taken, including # evacuated: NONE
17. Assistance needed from State Agencies: NONE
18. Containment/cleanup actions and plans: MIDWEST ENGINEERING REMOVED THE TANK & SOIL WILL BE REMOVED WHEN THEY RECEIVE TEST RESULTS
19. Weather:  sunny  overcast  night  pty. cldy.  rain  snow  
Temp      F wind dir.      speed      mph
20. Responsible Party: CITY OF CHAMPAIGN  
Contact person: #1  
Phone #: #2  
Mailing address: 702 EDGEBROOK DRIVE  
CHAMPAIGN, IL 61820

Notifications: PAKED TO EPA, OSEM, IDPH, REG. 7

**SCREENED**

# Appendix C. Historical Fire Insurance Maps



Illinois Terminal  
101 S MARKET ST  
CHAMPAIGN, IL 61820

Inquiry Number: 6124595.3

July 17, 2020

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

07/17/20

**Site Name:**

Illinois Terminal  
101 S MARKET ST  
CHAMPAIGN, IL 61820  
EDR Inquiry # 6124595.3

**Client Name:**

HDR Engineering, Inc.  
1 International Boulevard, 10th Floor  
Manwah, NJ 07495  
Contact: Matthew T Keaveney



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by HDR Engineering, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## Certified Sanborn Results:

**Certification #** 53E4-4082-9285  
**PO #** NA  
**Project** Illinois Terminal Expansion

**Maps Provided:**

1951  
1924  
1915  
1909  
1902  
1897  
1892  
1887



Sanborn® Library search results

Certification #: 53E4-4082-9285

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

*The Sanborn Library LLC Since 1866™*

## Limited Permission To Make Copies

HDR Engineering, Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice. Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



### 1951 Source Sheets



Volume 1, Sheet 10  
1951



Volume 1, Sheet 11  
1951



Volume 1, Sheet 14  
1951



Volume 1, Sheet 15  
1951

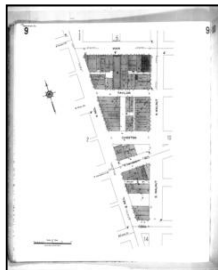


Volume 1, Sheet xxxx  
1951

### 1924 Source Sheets



Volume 1, Sheet xxxx  
1924



Volume 1, Sheet 9  
1924



Volume 1, Sheet 10  
1924



Volume 1, Sheet 14  
1924



Volume 1, Sheet 15  
1924

## Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



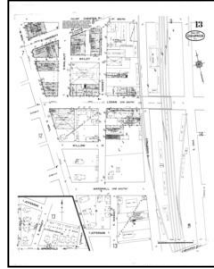
### 1915 Source Sheets



Volume 1, Sheet 8  
1915



Volume 1, Sheet 9  
1915



Volume 1, Sheet 13  
1915



Volume 1, Sheet 14  
1915

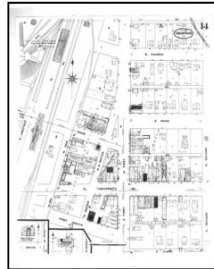
### 1909 Source Sheets



Volume 1, Sheet 12  
1909



Volume 1, Sheet 13  
1909



Volume 1, Sheet 14  
1909

### 1902 Source Sheets



Volume 1, Sheet 3  
1902



Volume 1, Sheet 4  
1902



Volume 1, Sheet 5  
1902

### 1897 Source Sheets



Volume 1, Sheet 3  
1897



Volume 1, Sheet 4  
1897



Volume 1, Sheet 5  
1897

## Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



### 1892 Source Sheets



Volume 1, Sheet 3  
1892



Volume 1, Sheet 4  
1892



Volume 1, Sheet 5  
1892

### 1887 Source Sheets



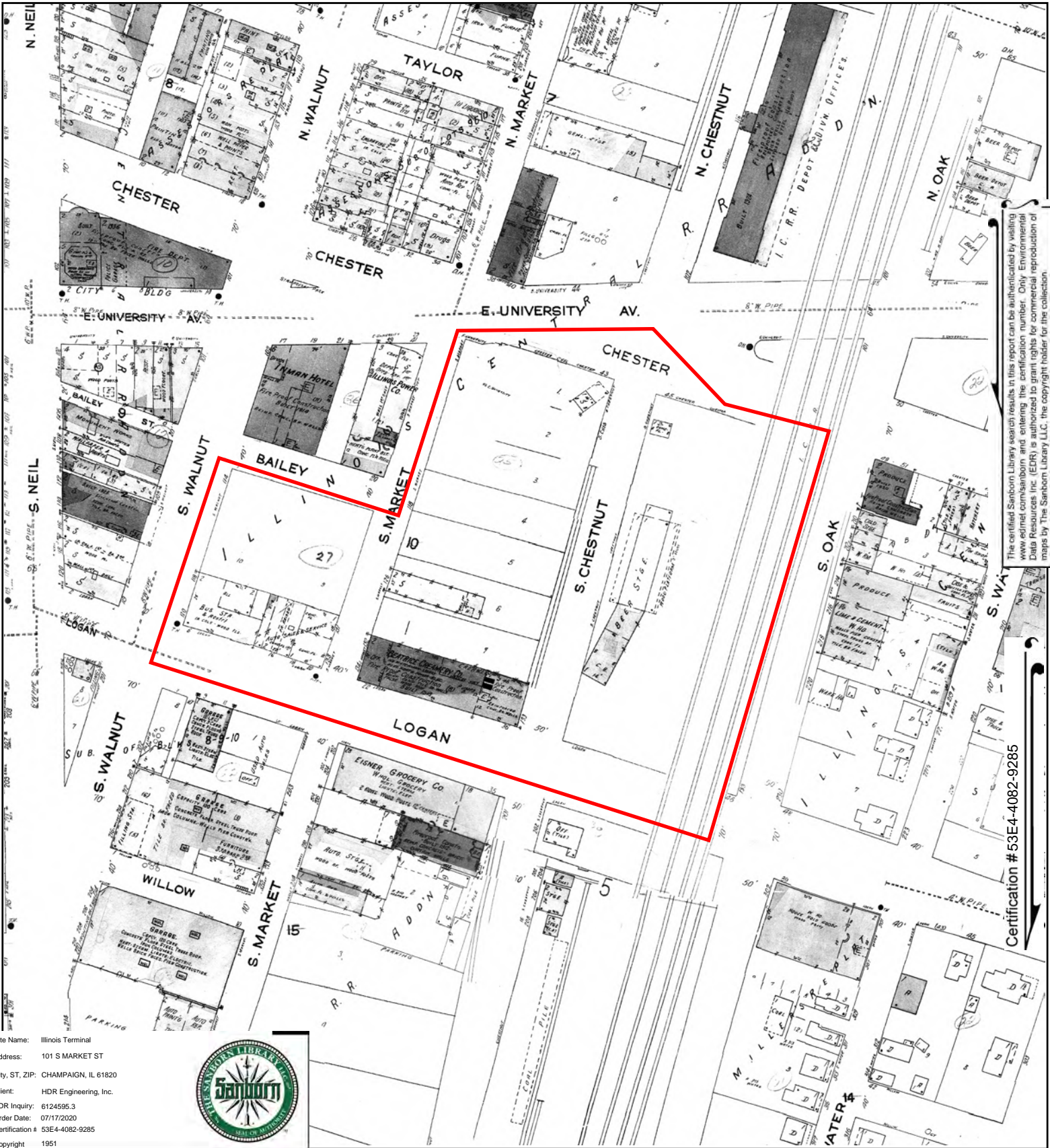
Volume 1, Sheet 3  
1887



Volume 1, Sheet 4  
1887



Volume 1, Sheet 5  
1887



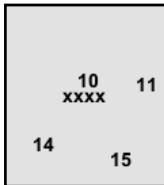
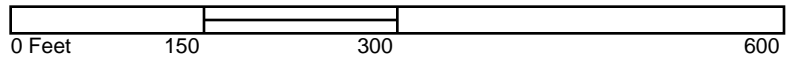
The certified Sanborn Library search results in this report can be authorized by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 53E4-4082-9285

Site Name: Illinois Terminal  
 Address: 101 S MARKET ST  
 City, ST, ZIP: CHAMPAIGN, IL 61820  
 Client: HDR Engineering, Inc.  
 EDR Inquiry: 6124595.3  
 Order Date: 07/17/2020  
 Certification # 53E4-4082-9285  
 Copyright 1951

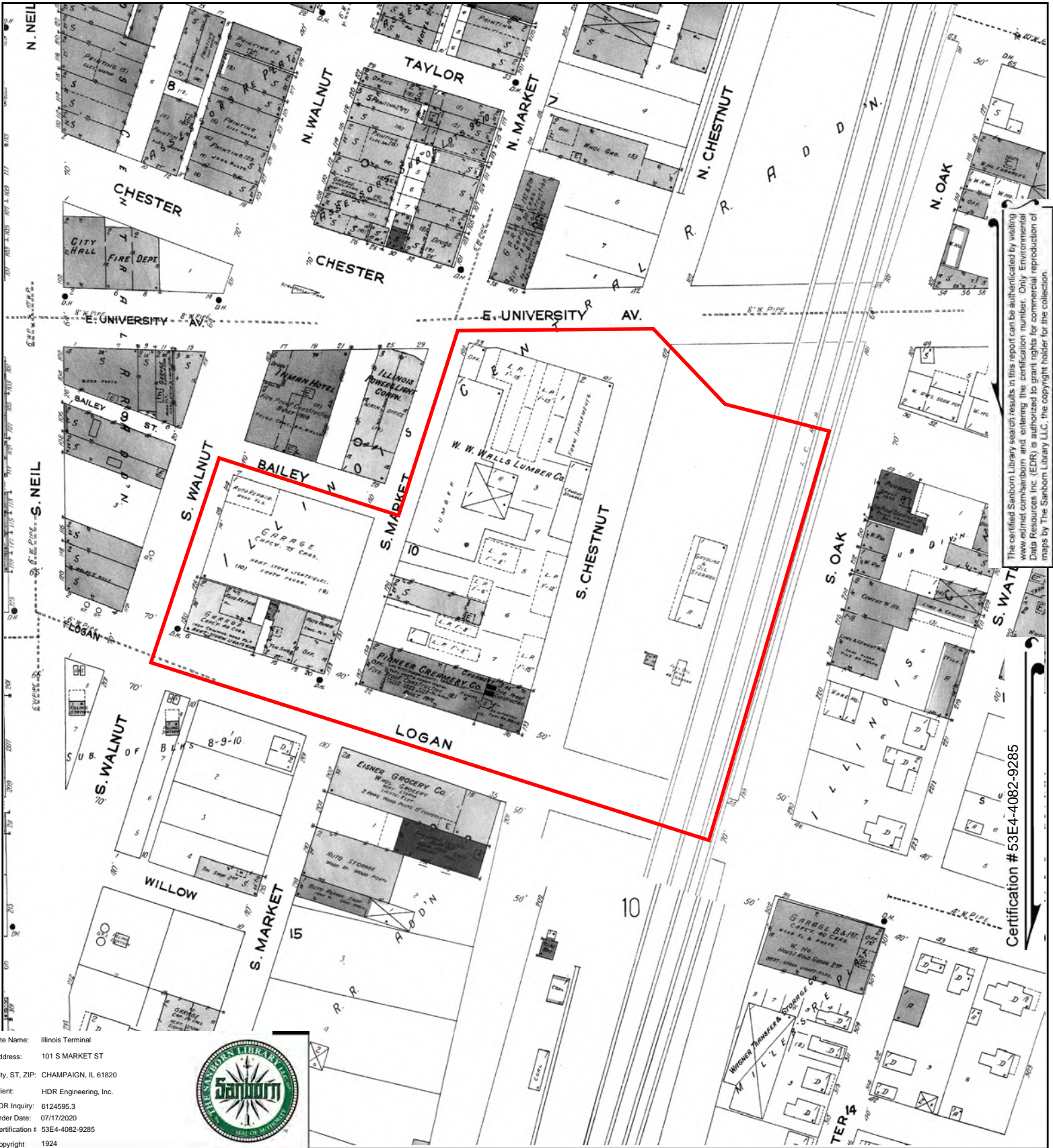


This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet xxxx  
 Volume 1, Sheet 15  
 Volume 1, Sheet 14  
 Volume 1, Sheet 11  
 Volume 1, Sheet 10





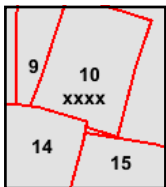
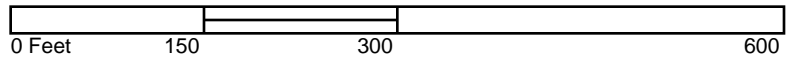
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 53E4-4082-9285

Site Name: Illinois Terminal  
 Address: 101 S MARKET ST  
 City, ST, ZIP: CHAMPAIGN, IL 61820  
 Client: HDR Engineering, Inc.  
 EDR Inquiry: 6124595.3  
 Order Date: 07/17/2020  
 Certification # 53E4-4082-9285  
 Copyright 1924

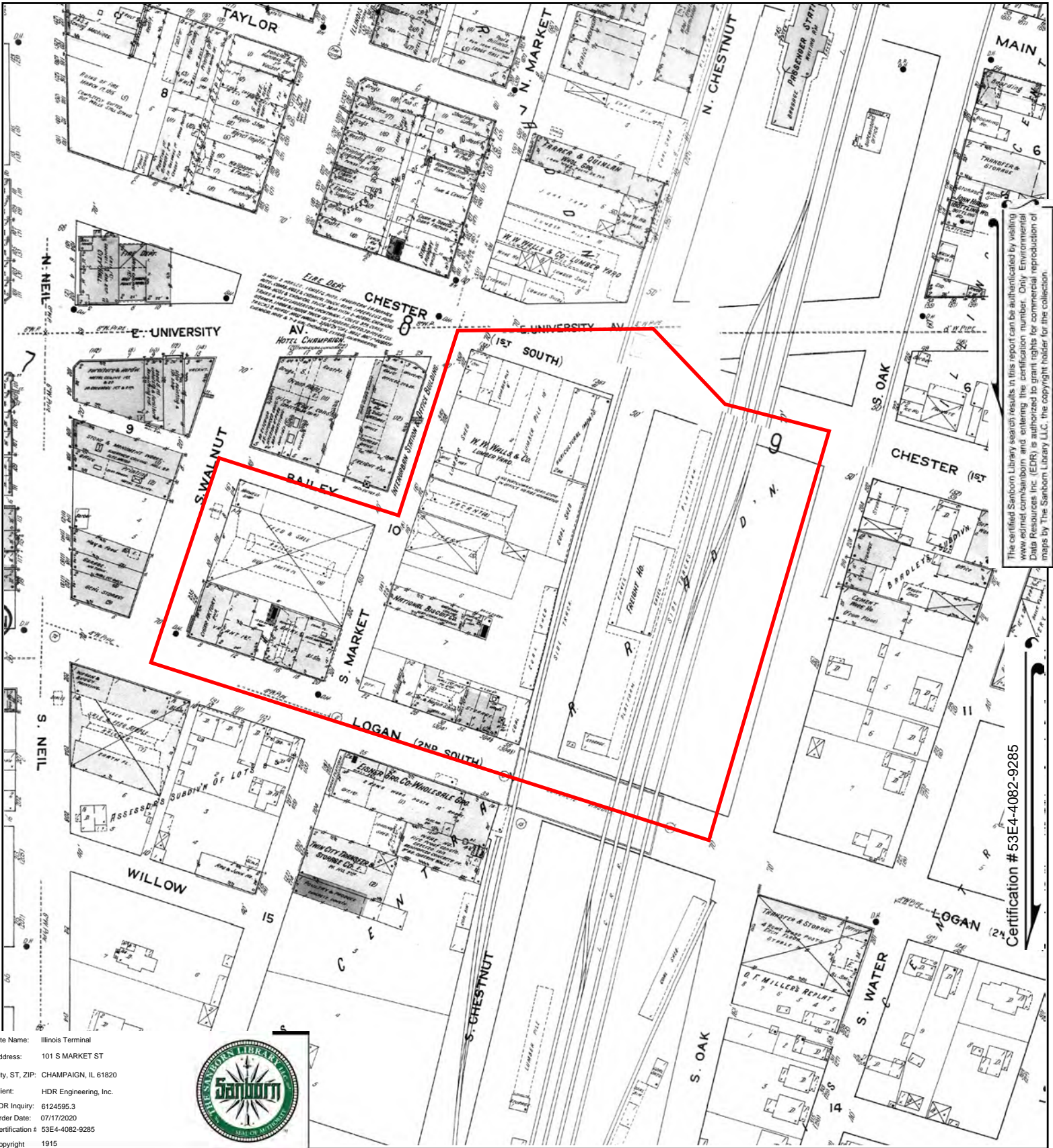


This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



- Volume 1, Sheet 15
- Volume 1, Sheet 14
- Volume 1, Sheet 10
- Volume 1, Sheet 9
- Volume 1, Sheet xxxx





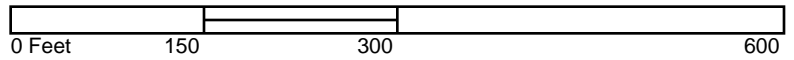
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 53E4-4082-9285

Site Name: Illinois Terminal  
 Address: 101 S MARKET ST  
 City, ST, ZIP: CHAMPAIGN, IL 61820  
 Client: HDR Engineering, Inc.  
 EDR Inquiry: 6124595.3  
 Order Date: 07/17/2020  
 Certification # 53E4-4082-9285  
 Copyright 1915

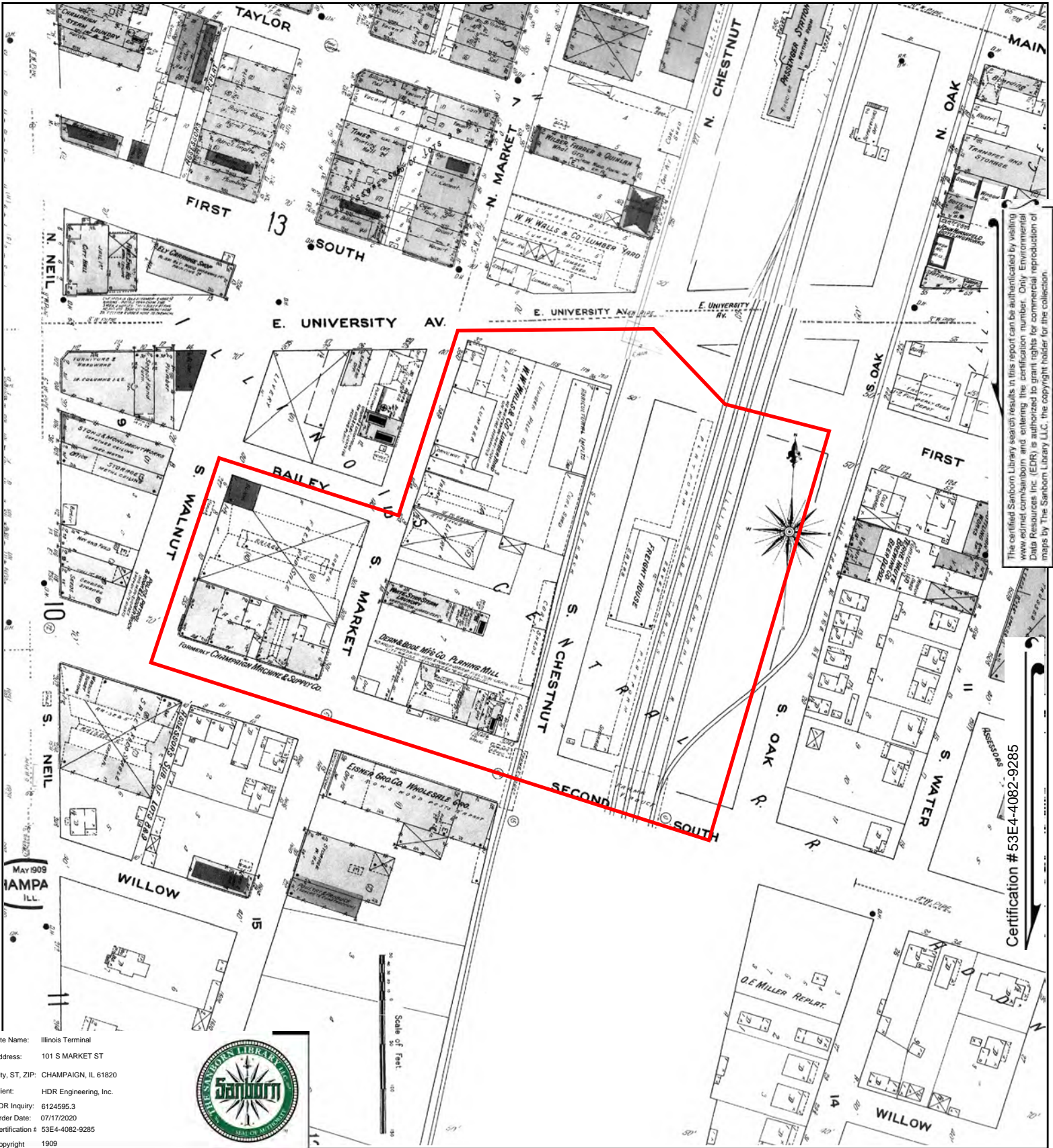


This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 14  
 Volume 1, Sheet 13  
 Volume 1, Sheet 9  
 Volume 1, Sheet 8





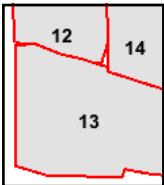
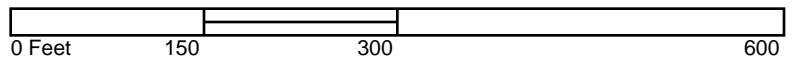
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 53E4-4082-9285

Site Name: Illinois Terminal  
 Address: 101 S MARKET ST  
 City, ST, ZIP: CHAMPAIGN, IL 61820  
 Client: HDR Engineering, Inc.  
 EDR Inquiry: 6124595.3  
 Order Date: 07/17/2020  
 Certification # 53E4-4082-9285  
 Copyright 1909

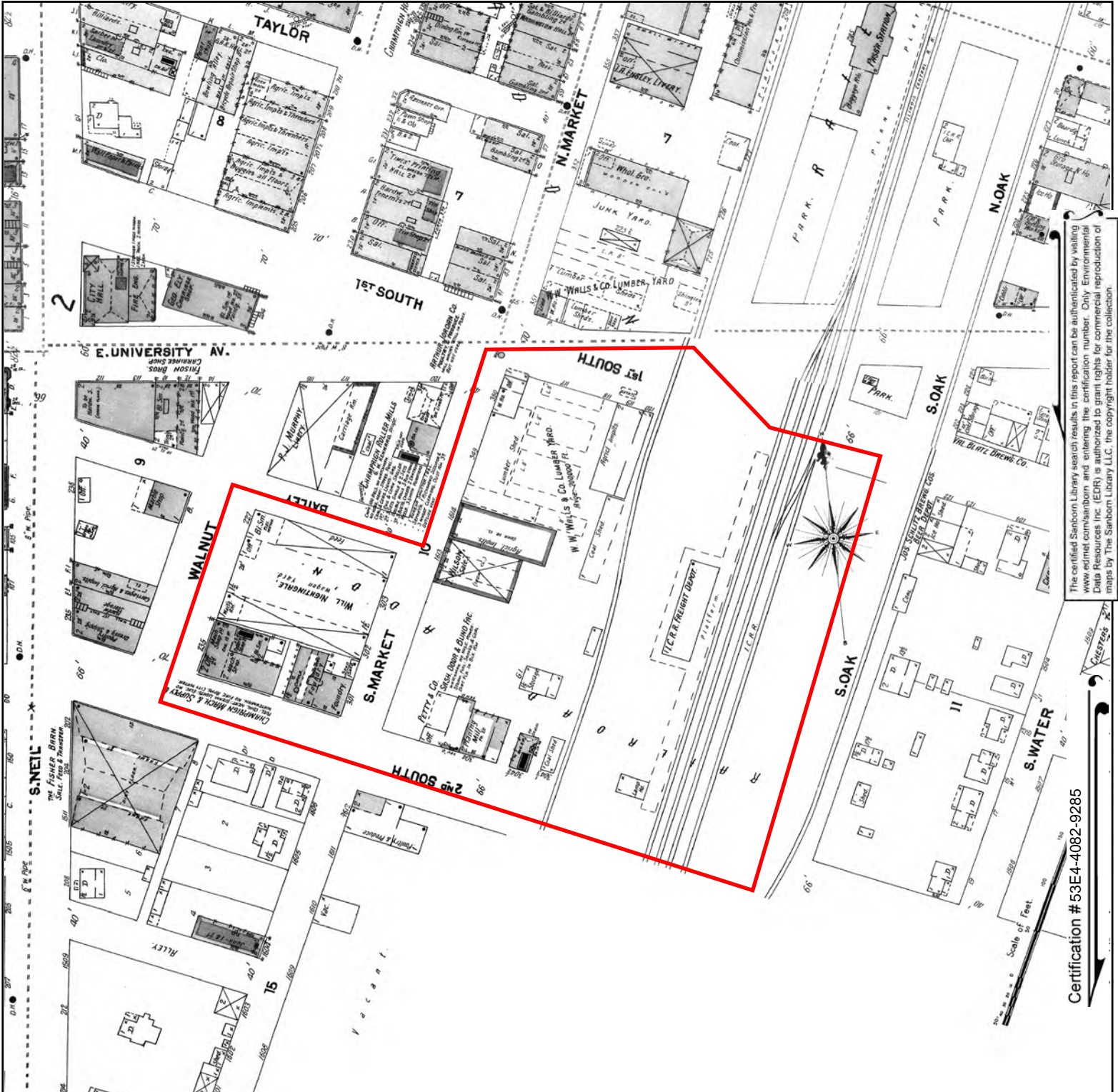


This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 14  
 Volume 1, Sheet 13  
 Volume 1, Sheet 12





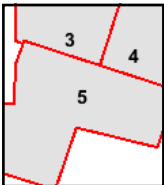
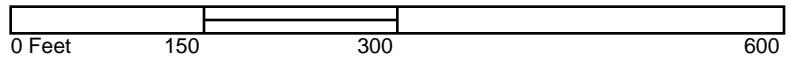
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #53E4-4082-9285

Site Name: Illinois Terminal  
 Address: 101 S MARKET ST  
 City, ST, ZIP: CHAMPAIGN, IL 61820  
 Client: HDR Engineering, Inc.  
 EDR Inquiry: 6124595.3  
 Order Date: 07/17/2020  
 Certification #: 53E4-4082-9285  
 Copyright: 1902

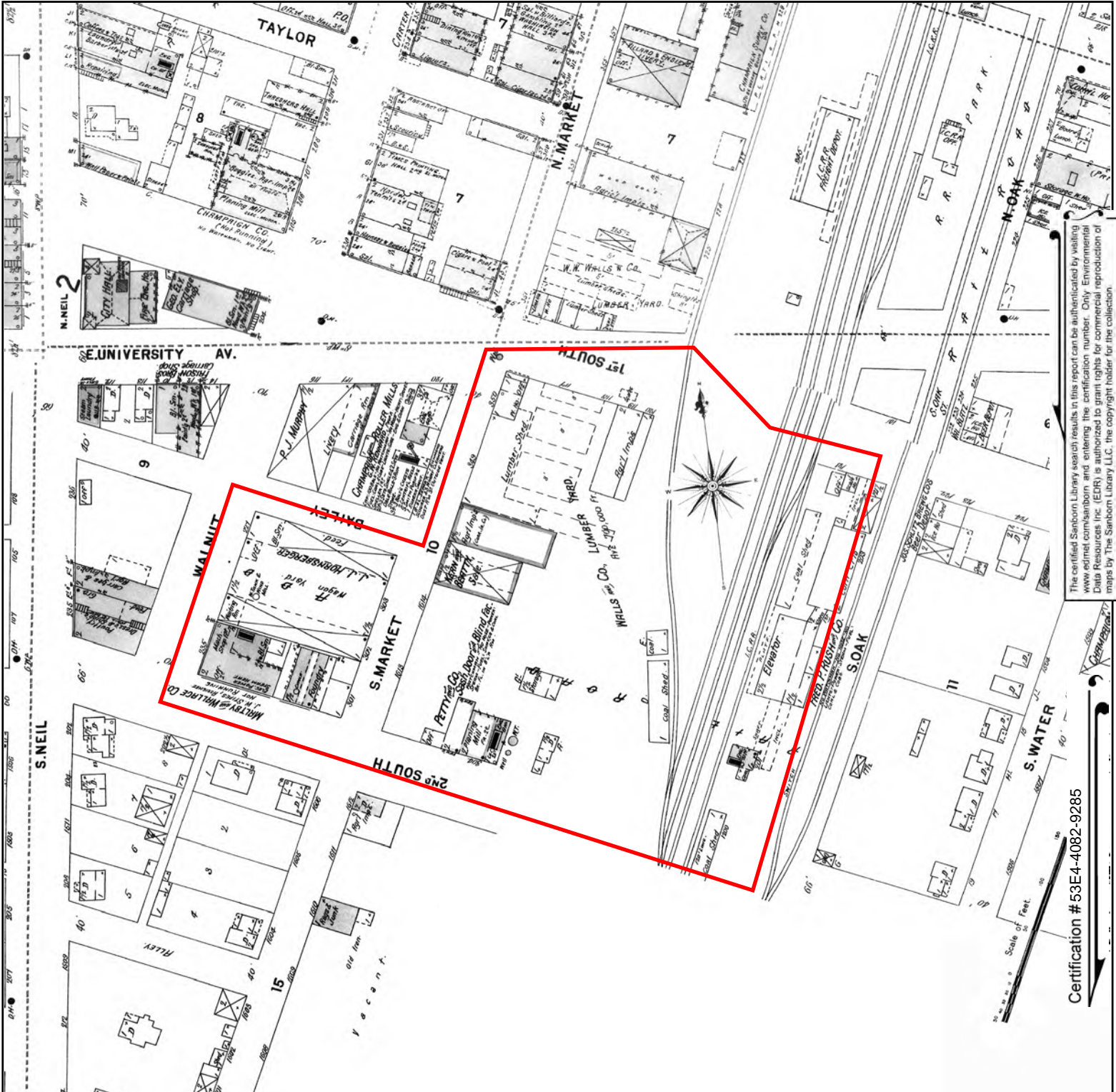


This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 5  
 Volume 1, Sheet 4  
 Volume 1, Sheet 3





The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

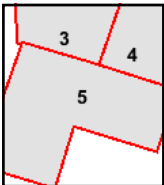
Certification # 53E4-4082-9285



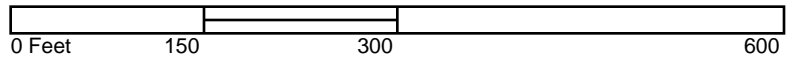
Site Name: Illinois Terminal  
 Address: 101 S MARKET ST  
 City, ST, ZIP: CHAMPAIGN, IL 61820  
 Client: HDR Engineering, Inc.  
 EDR Inquiry: 6124595.3  
 Order Date: 07/17/2020  
 Certification #: 53E4-4082-9285  
 Copyright: 1897

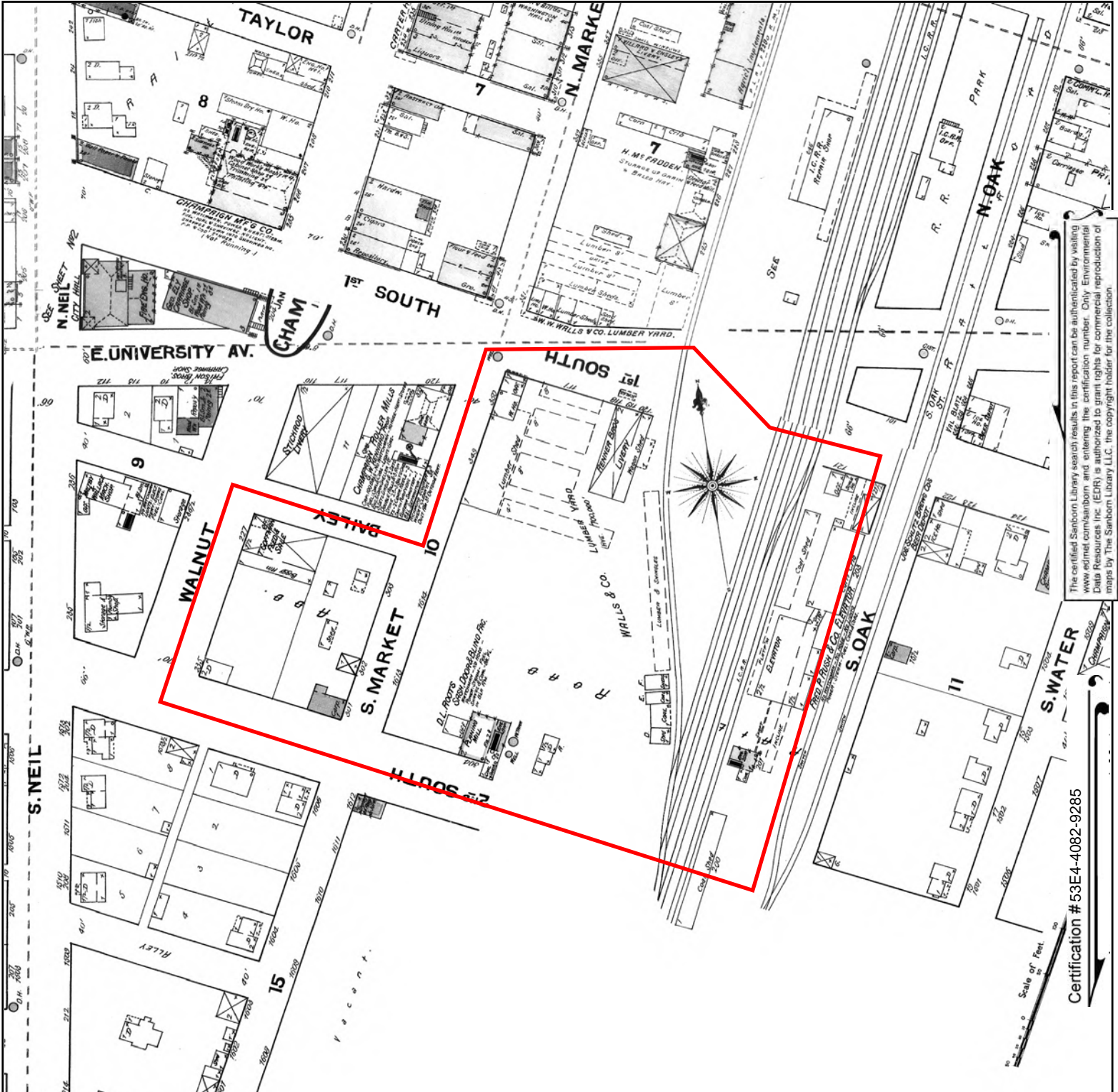


This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 5  
 Volume 1, Sheet 4  
 Volume 1, Sheet 3





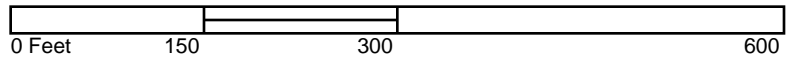
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #53E4-4082-9285

Site Name: Illinois Terminal  
 Address: 101 S MARKET ST  
 City, ST, ZIP: CHAMPAIGN, IL 61820  
 Client: HDR Engineering, Inc.  
 EDR Inquiry: 6124595.3  
 Order Date: 07/17/2020  
 Certification #: 53E4-4082-9285  
 Copyright: 1892

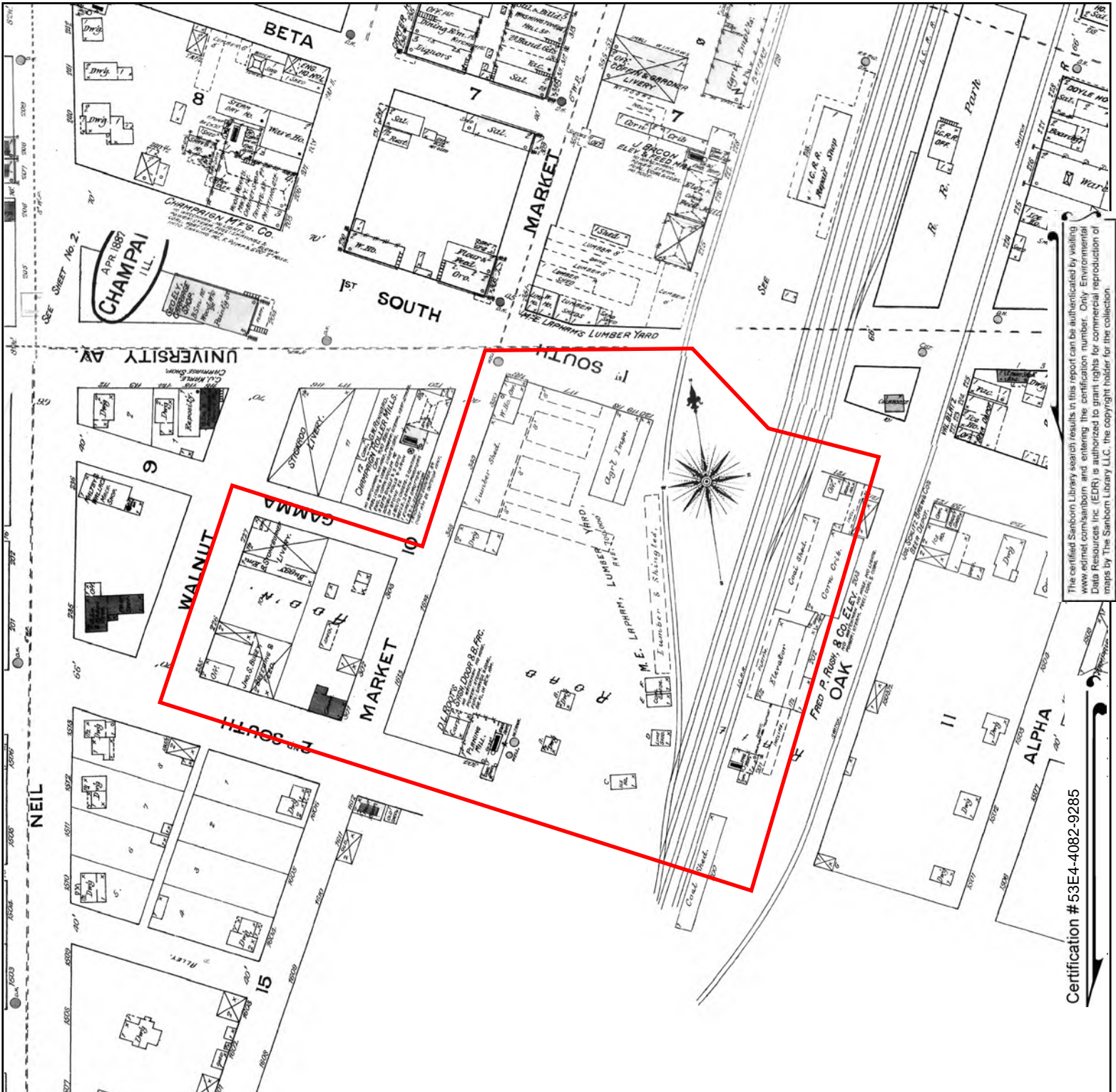


This Certified Sanborn Map combines the following sheets.  
 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 5  
 Volume 1, Sheet 4  
 Volume 1, Sheet 3





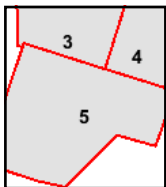
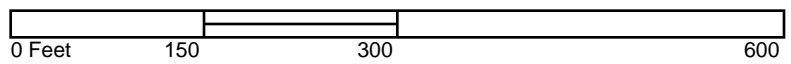
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #53E4-4082-9285

Site Name: Illinois Terminal  
 Address: 101 S MARKET ST  
 City, ST, ZIP: CHAMPAIGN, IL 61820  
 Client: HDR Engineering, Inc.  
 EDR Inquiry: 6124595.3  
 Order Date: 07/17/2020  
 Certification #: 53E4-4082-9285  
 Copyright: 1887



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 5  
 Volume 1, Sheet 4  
 Volume 1, Sheet 3





# Appendix D. City Directory Report



**Illinois Terminal**

101 S MARKET ST  
CHAMPAIGN, IL 61820

Inquiry Number: 6124595.5  
July 21, 2020

# The EDR-City Directory Image Report

## TABLE OF CONTENTS

### **SECTION**

**Executive Summary**

**Findings**

**City Directory Images**

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

Data by

**infoUSA**<sup>®</sup>

Copyright©2008  
All Rights Reserved

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1987	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Johnson's City Directory
1984	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Johnson's City Directory
1974	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Johnson's City Directory
1968	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1963	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1958	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1954	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1949	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1944	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Polk's City Directory
1937	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Flanigan-Pearson City Directory
1934	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Flanigan-Pearson City Directory

## EXECUTIVE SUMMARY

Year      Target Street      Cross Street      Source

## FINDINGS

### TARGET PROPERTY STREET

101 S MARKET ST  
CHAMPAIGN, IL 61820

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### E UNIVERSITY AVE

2017	pg A2	EDR Digital Archive
2014	pg A6	EDR Digital Archive
2010	pg A10	EDR Digital Archive
2005	pg A14	EDR Digital Archive
2000	pg A19	EDR Digital Archive
1995	pg A24	EDR Digital Archive
1992	pg A29	EDR Digital Archive
1987	pg A33	Johnson's City Directory
1987	pg A34	Johnson's City Directory
1984	pg A37	Johnson's City Directory
1974	pg A40	Johnson's City Directory
1968	pg A44	Polk's City Directory
1963	pg A47	Polk's City Directory
1958	pg A50	Polk's City Directory
1958	pg A51	Polk's City Directory
1954	pg A54	Polk's City Directory
1954	pg A55	Polk's City Directory
1949	pg A58	Polk's City Directory
1949	pg A59	Polk's City Directory
1944	pg A62	Polk's City Directory
1937	pg A65	Flanigan-Pearson City Directory
1934	pg A69	Flanigan-Pearson City Directory
1934	pg A70	Flanigan-Pearson City Directory

### S MARKET ST

2017	pg A4	EDR Digital Archive
2014	pg A8	EDR Digital Archive
2010	pg A12	EDR Digital Archive
2005	pg A17	EDR Digital Archive

## FINDINGS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
2000	pg A22	EDR Digital Archive
1995	pg A27	EDR Digital Archive
1992	pg A31	EDR Digital Archive
1987	pg A35	Johnson's City Directory
1984	pg A38	Johnson's City Directory
1974	pg A41	Johnson's City Directory
1968	pg A45	Polk's City Directory
1963	pg A48	Polk's City Directory
1958	pg A52	Polk's City Directory
1954	pg A56	Polk's City Directory
1949	pg A60	Polk's City Directory
1944	pg A63	Polk's City Directory
1937	pg A66	Flanigan-Pearson City Directory
1934	pg A71	Flanigan-Pearson City Directory

## FINDINGS

### CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### E LOGAN ST

2017	pg. A1	EDR Digital Archive
2014	pg. A5	EDR Digital Archive
2010	pg. A9	EDR Digital Archive
2005	pg. A13	EDR Digital Archive
2000	pg. A18	EDR Digital Archive
1995	pg. A23	EDR Digital Archive
1992	pg. A28	EDR Digital Archive
1987	pg. A32	Johnson's City Directory
1984	pg. A36	Johnson's City Directory
1974	pg. A39	Johnson's City Directory
1968	pg. A42	Polk's City Directory
1968	pg. A43	Polk's City Directory
1963	pg. A46	Polk's City Directory
1958	pg. A49	Polk's City Directory
1954	pg. A53	Polk's City Directory
1949	pg. A57	Polk's City Directory
1944	pg. A61	Polk's City Directory
1937	pg. A64	Flanigan-Pearson City Directory
1934	pg. A67	Flanigan-Pearson City Directory
1934	pg. A68	Flanigan-Pearson City Directory

## **City Directory Images**

**E LOGAN ST      2017**

- 11      PRIMELIGHT STUDIO
- 44      DUNCAN SUPPLY COMPANY INC
- 51      CITY OF CHAMPAIGN TWNSHP
- RAGLE DENTAL LAB

**E UNIVERSITY AVE****2017**

15	BRASS RAIL TURNER, BILL R
17	BLUE, KEN A DRISH, JEAN L ETHERIDGE, LESLIE H GERDTS, BARBARA J HAAS, MILBERT HARD, HAROLD K LAND, BARBARA N LINDELL, PAM J MYERS, GERALD E PALUCH, MIRIAM A PETITO, NOLA B READ, GLORIA A RODELL, WINFRED J SHIRLEY, JANE H WHELAN, MARGARET F WHITMER, MELVIN H YARBER, ADA J
40	HABITAT FOR HUMANITY
41	KANE & CO LIVE ACTION GAMES STEPHENS & STULL
44	JONS PIPE SHOP
45	AMTRAK BURLINGTON TRAILWAYS CITY VIEW CITYVIEW AT ILLINOIS TERMINAL READY PROGRAM STATE GOVERNMENT SUBWAY
61	BRAINSTORM ESCAPES THRIFTY NICKEL
71	CORSON MUSIC
77	BYERS VACUUM CLEANER SALES & SERVICE LICHTENBERGER, PETER J
101	DALLAS & CO COSTUMES & MAGIC
102	CHAMPAIGN COUNTY HISTORICAL MUSEUM PANCHEROS MEXICAN GRILL
112	DRAYTON, DERRICK LEONARDS PAWN & JEWELRY
114	RECORD SWAP
117	KNOX ARRAY EVENT PRODUCTIONS
119	HABITAT FOR HUMANITY
126	THE FURNITURE WAREHOUSE
134	BRIDALS BY DUCKYS DUCKYS BRIDALS & FORMAL WEAR
210	CARLE ARROW AMBULANCE CARLE EMS
212	WOJNAR, RICHARD L

**E UNIVERSITY AVE**

**2017**

**(Cont'd)**

301 OCONNOR, MARY J  
303 COOLING CENTURY HTNG  
UNIVERSITY HAIR SALON  
306 AUTO BATH SYSTEMS  
UHAUL  
307 SPEED LUBE  
SPEED LUBE 10 MINUTE OIL CHANGE SHOP  
311 AUTOZONE  
315 SPIROS LAW  
317 DUCE MATTHEW PC  
SPIROS LAW PC

**S MARKET ST 2017**

308 THE BRAKE SHOP

**E LOGAN ST      2014**

- 11      PRIME LIGHT STUDIO
- 44      DUNCAN SUPPLY CO INC
- 51      DENTAL LAB RAGLE  
RAGLE DENTAL LAB

**E UNIVERSITY AVE****2014**

15	BRASS RAIL GOOD, TIFFANY L
17	AKERS, M DONHOWE, P DRISH, JEAN L GERDTS, BARBARA J GRAHAM, MARY HANSEN, JOAN E INMAN PLACE LAND, BARBARA N MULLINS, KENNETH B MYERS, GERALD E PALUCH, MIRIAM A RODELL, WJ J UIHLEIN, KATHRYN E WILLIFORD, RAYMOND L
41	CHRISAFIS, ERICA L COCHRANE, JULIE FLACH, ANDREW P KANE & COMPANY LAW OFFICE OF SMALL & FREEMAN LTD LIVE ACTION GAMES OREILLY MEDIA INC THORNSTENSON, TODD L
44	JONS PIPE SHOP
45	AMTRAK AMTRAK STATIONCHM BURLINGTON TRAILWAYS CITY VIEW CU MTD ILLINOIS TERMINAL FRIENDS OF FRERICHS GREYHOUND BUS LINES JAMES, SARAH READY PROGRAM SUBWAY SANDWICHES
61	AMERICANCLASSIFIEDSCOM THRIFTY NICKEL
71	CORSON MUSIC
77	BYERS VACUUM CLEANER SALES & SERVICE
90	JACKSON, WAYNE
101	DALLAS & CO COSTUMES & MAGIC
102	CHAMPAIGN COUNTY HISTORIAL MUSEUM
108	DS APPLIANCES SALES
110	SO CALLED JUNK
112	DRAYTON, DERRICK LEONARDS PAWN & JEWELRY
113	KNOX, BRIAN B
114	HOLLENKAMP, KEITH RECORD SWAP
116	DAVE & HARRY LOCKSMITHS

**E UNIVERSITY AVE**

**2014**

**(Cont'd)**

- 117 CLEVENGER, DAWN L  
KNOX ARRAY EVENT PRODUCTIONS
- 118 FRANKLIN, JUSTIN
- 119 HABITAT FOR HUMANITY
- 125 NEW YORK ALTERATIONS  
OCCUPANT UNKNOWN,
- 126 THE FURNITURE WAREHOUSE
- 134 BRIDALS BY DUCKYS  
DUCKYS FORMAL WEAR  
INC GRAYS FORMALWEAR
- 201 KUKRETI, MUKESH
- 209 KECRESCO
- 210 CARLE EMS  
CARLE FOUNDATION HOSPITAL  
UNITEDCARLE ARROW AMBULANCE
- 212 WOJNAR, VICTOR S
- 301 OCONNOR, MARY J  
WOJNAR, RICHARD L
- 302 UHAUL TRAILER HITCH SUPER CENTER OF
- 303 UNIVERSITY HAIR SALON
- 306 UHAUL
- 307 SPEED LUBE 10 MINUTE OIL CHANGE SHOP  
SPEED LUBE COMPLETE AUTO CARE

**S MARKET ST 2014**

302	ADVANTAGE RECYCLING MARCO RECYCLING MARCO RECYCLING DIV OF MERVIS INDUST
308	THE BRAKE SHOP

**E LOGAN ST      2010**

- 11      DEPKE WELDING
- HODGSON, MARK L
- 44      DUNCAN SUPPLY CO
- 51      RAGLE DENTAL LAB

**E UNIVERSITY AVE****2010**

9 G T HARDWICK ARCHITECTS AIA  
 10 RONEY, ELLEN  
 11 CHAMPAIGN COUNTY MEDICAL SOC  
 OLD VIC ART GALLERY  
 15 BRASS RAIL  
 MCCOMES, KEITH  
 17 ABELS, SARA  
 AKERS, M  
 BRANTLEY, PATTI  
 BREWER, RAYMOND  
 CHRISTMAN, MORRIS E  
 CORNELIUS, JOHN W  
 DAMPIER, E  
 DAWKINS, DOROTHY E  
 DEYDE, JOHN S  
 DONHOWE, PETER A  
 FEHR, ELWIN  
 GERDES, RICHARD L  
 GIFFORD, BERNICE H  
 HARRIS, JOE F  
 ILES, M A  
 INMAN PLAZA  
 LIFESTYLE OPTIONS  
 MCNABB, FRANCES  
 MCNUTT, ALBERT  
 MECHLING, MILO F  
 MORGAN, LENA L  
 MYERS, GERALD E  
 OBRYAN, HAROLD R  
 PORTER, LEONARD J  
 PRICE, LAURA M  
 PRITCHARD, ELINOR  
 RUST, KEN  
 RYAN, HARRIET C  
 SIDDENS, RONALD  
 SMITH, HAZEL B  
 STULLER, RICHARD A  
 TESSLER, HARVEY  
 UIHLEIN, KATHRYN  
 VAKY, JAMES R  
 41 ANSEL & SMALL  
 HARDWICK, G T  
 KANE & CO  
 LASATER LAURA K  
 S M & FREEMAN LTD LAW OFFICE  
 VISION TECHNOLOGY  
 44 BETTER IMAGE  
 45 AMTRAK  
 BURLINGTON TRAIL WAYS  
 CHAMPAIGNURBANA MASS TRANSIT

**E UNIVERSITY AVE****2010****(Cont'd)**

45	GREYHOUND PACKAGE XPRESS ILLINOIS TERMINAL JUNIOR LEAGUE OF CHAMPAIGN READY SCHOOL SUBWAY TRAILWAYS BUS SYSTEM
61	AMERICAN CLASSIFIEDS THRIFTY NICKEL
71	CORSON MUSIC
77	BYERS VACUUM CLEANER SALES
82	CHAMPAIGN CITY POLICE DEPT CHAMPAIGN COUNTY CRIME STOPPER
101	DALLAS & CO COSTUMES & MAGIC
102	CHAMPAIGN COUNTY HSTRCL MSM
108	DS APPLIANCES SALES
110	LE SHOPPE
111	CHAMPAIGN COUNTY HISTORICAL
112	LEONARDS PAWN & JEWELRY
113	KNOX, BRIAN B
114	RECORD SWAP
116	DAVE & HARRY LOCKSMITHS
117	KNOXARRAY EVENT PRODUCTION
118	GO RETRO PECKHAM & ASSOC
119	HABITAT FOR HUMANITYCHAMPAIGN STEPPING STONE SHELTER
126	FURNITURE WAREHOUSE
134	BRIDALS BY DUCKYS DUCKYS FORMAL WEAR
206	ENTERPRISE RENTACAR
209	PROCTORS RESTAURANT EQUIP CO RESTAURANT EQUIPMENT & SUPPLY
210	ARROW MEDICAL SVC CARLE ARROW AMBULANCE SVC
211	PICTURE LAB PRIMELIGHT STUDIO
212	WOJNAR, VICTOR S
301	WOJNAR, CHRIS D
306	UHAUL CO
307	SPEED LUBE OIL CHANGE SHOP
311	AUTOZONE

**S MARKET ST 2010**

114	KARAFFA, GREGG
210	CHRISTIE CLINIC
302	MARCO RECYCLING DIVMERVIS
	MARCO STEEL SUPPLY & SCRAP CO
308	BRAKE SHOP

**E LOGAN ST 2005**

11 CLAUDIN WELDING SUPPLY

**E UNIVERSITY AVE****2005**

5 ADVANCE AMERICA  
 9 FURNITURE LOUNGE  
 HARDWICK G T ARCHITECTS AIA  
 10 RONEY, ELLEN  
 11 AMERICAN MEDICAL ASSOCIATION  
 CAMERAS EYE PHOTOWORKS  
 CHAMPAIGN COUNTY MEDICAL SOCIETY  
 OLD VIC ART GALLERY  
 SOLOMON, LAURIE  
 15 APPLETON, ANDREA  
 BRASS RAIL  
 GOOD, TIFFANY L  
 MCCOMES, KEITH  
 17 AKERS, M  
 BODENSCHATZ, ARTHUR H  
 BRAZIER, HELEN  
 BROWN, BERNICE C  
 BRUCKNER, M  
 CARRILLO, MAXINE  
 DEYDE, JOHN S  
 DOBRONSKI, PARALEE  
 DONHOWE, PETER A  
 EDWARDS, GLENDA  
 ERNEST, LOREN E  
 FAY, T  
 GOLDBERG, LIBBY  
 GORMAN, BERTHA B  
 GREATHOUSE, LOWELL A  
 HAYAKAWA, MIKIKO  
 HICKMAN, P  
 HOSKINS, VIRGINIA A  
 INMAN PLAZA  
 INMAN, PLAZA  
 KIRKLAND, BARBARA A  
 LEE, MARIAN  
 LOFTIS, LINDA L  
 MALAVARSIC, MARION  
 MCCOLLUM, VASHTI C  
 MILLER, GARY  
 MULLINS, KENNETH B  
 MYERS, GERALD E  
 NILGES, VIOLET  
 OLIVERO, C J  
 PARKER, C  
 PATAKI, JULIUS  
 PETITO, NOLA  
 PICKERT, DIANE A  
 PRICE, LAURA M  
 QUINLAN, EDWARD J  
 RACIOPPI, RICHARD

## E UNIVERSITY AVE

2005

(Cont'd)

17 ROUSEY, MABEL E  
 ROUTH, VELDA C  
 RYAN, HARRIET C  
 SHORE, CHARLES  
 SIDDENS, RONALD  
 SMITH, HAZEL B  
 SPENCER, HUBERT  
 STEVENS, EDWIN M  
 STULLER, RICHARD A  
 UIHLEIN, KATHRYN  
 VAKY, JAMES R  
 WILLIAMS, BILLY  
 WOLVERTON, GRACE  
 WOODWARD, HELEN M  
 41 ANSEL MARC J  
 E CITIES INC  
 EXHIBITS  
 FEINEN DEBORAH FRANK  
 HAMMERHEAD RECORDS INC  
 ITA HOLDINGS INC  
 KANE & CO  
 KEITH INVESTMENT GROUP INC  
 LAW OFFICE OF ANSEL & SMALL LTD  
 NALLY TRACI E  
 PRIMELIGHT STUDIO  
 44 BETTER IMAGE FILM LAB  
 45 ALLEGIANT MARKETING INC  
 BURLINGTON TRAILWAYS  
 CAMERONS CATERING INC  
 CHAMPAIGN URBANA MASS TRANSIT DISTRI  
 GREYHOUND BUS LINES  
 ILLINI SWALLOW LINES INC  
 ILLINOIS TERMINAL  
 READY PROGRAM  
 61 AMERICAN CLASSIFIED  
 WANT ADS OF CHAMPAIGN INC  
 71 CORSON MUSIC  
 77 BYERS VACUUM CLEANER & SWNG  
 82 CHAMPAIGN COUNTY CRIMESTOPPERS  
 CHAMPAIGN POLICE DEPT  
 91 HARDWICK, GENE  
 101 ANDY DALLAS CO  
 DALLAS & CO COSTUMES & MAGIC  
 ROBERT J COLEMAN MD  
 102 CHAMPAIGN COUNTY HISTORICAL MUSEUM C  
 108 DS APPLIANCE  
 110 LE SHOPPE  
 112 LEONARDS PAWN & JEWELRY  
 114 WARNER, JENNY M  
 YE OLDE FURNITURE STORE

**E UNIVERSITY AVE**

**2005**

**(Cont'd)**

- 115 G Q HUE FINE MENSWEAR  
MAD DOG PRESS
- 116 ALBERT CONRAD WHOLESALERS  
DAVE & HARRY LOCKSMITHS INC
- 117 FABULOUS FLASHBACK 60S BAND  
KNOX ARRAY EVENT PRODUCTION
- 118 FESNIC, FLORIN  
PECKHAM AND ASSOCIATES
- 119 SALVATION ARMY STEPPING STN  
SALVATION ARMY THE
- 123 SALVATION ARMY
- 125 SALVATION ARMY
- 126 FURNITURE WAREHO
- 209 RESTAURANT EQUIPMENT & SUPPLY CO
- 210 CARLE ARROW AMBULANCE  
CARLE EMS  
REYNOLDS TOWING INC
- 212 WOJNAR, VICTOR S
- 301 WOJNAR, CHRIS D
- 306 U HAUL INTERNATIONAL  
UNIVERSITY AVE MOVING CENTER
- 307 SPEED LUBE 10 MIN OIL
- 311 AUTOZONE

**S MARKET ST 2005**

102 SCOTT, MARK A  
104 WEEKS, RONALD R  
108 HALL, JOHN M  
202 DIXON, CAROL S  
206 HANNAN, DENNIS R  
210 CHRISTIE CLINIC  
300 BLACK, JAMES E  
302 MARCO STEEL SUPPLY & SCRAP  
Mervis Industries  
304 MELVIN, GABRIEL  
306 ANDERSON, ROBERT J  
308 BRAKE SHOP THE  
SLACK, SCOTT T

**E LOGAN ST      2000**

- 11      CLAUDIN WELDING SUPPLY  
         MEDOX DIVISION OF CLAUDIN WELDING SUPPLY
- 44      DUNCAN SUPPLY COMPANY INCORPORATED
- 45      BIG A AUTO PARTS

**E UNIVERSITY AVE****2000**

9 BIG FOOT AMOCO  
 LEATHER SHOP ETC THE  
 11 COOK, DAVID P  
 OLD VIC ART GALLERY  
 15 BRASS RAIL  
 17 ANDERSON, H J  
 BAILEY, D  
 BODENSCHATZ, ARTHUR  
 BOVINE, MARY K  
 BRITT, GENEVA E  
 CALDERON, ALVIN  
 CARR, LAURA  
 COLEMAN, ROBERT  
 CONLEY, G  
 CORD, GLEN W  
 DONHOWE, PETER  
 DRENNAN, GEORGIA R  
 FAIRFIELD, MABLE  
 FAY, T T  
 GOLDBERG, LIBBY  
 GREATHOUSE, LOWELL A  
 INMAN PLAZA  
 JAGLA, ROBERT  
 JUST JULIES HAIR DESIGN  
 KENNEDY, N M  
 KLEISS, RAPHAEL  
 MEVIS, MARTIN  
 MILLER, RUTH  
 MULLINS, KENNETH B  
 PARKER, C  
 PRICE, LAURA  
 ROWE, OPAL O  
 SHORE, CHARLES  
 SMITH, B D  
 SPENCER, HUBERT  
 STONE, B W  
 THARP, J  
 VANMATRE, JOSEPH D  
 VANMETER, SHIRLEY I  
 41 ANSEL MARC J LIMITED  
 ART LOOK INCORPORATED  
 BAUER WENDY SHIELDS  
 BAUER, WENDY S  
 EXHIBITS  
 FEINEN DEBORAH FRANK ATTORNEY  
 FEINEN, D  
 FREEMAN STANLEY E  
 FRENCH I H & COMPANY GRAIN  
 HAASIS REGINA B  
 HAMMERHEAD RECORDS INCORPORATED

**E UNIVERSITY AVE****2000****(Cont'd)**

41 KANE & COMPANY  
 KERSEY MARTHA S ATTORNEY  
 NALLY TRACI E  
 NALLY, TRACI E  
 NEW MEDIA PUBLISHING  
 PRAIRIE BOOK ARTS CENTER  
 PRIMELIGHT STUDIO  
 SHOWPIX  
 THIRD STONE BOOKING  
 44 BETTER IMAGE  
 45 A TASTE OF EUROPE GIFT SHOPPE  
 GREYHOUND BUS LINES  
 NIKKI BS CAFE  
 PAULS BANQUET & CATERING  
 PAULS CAFE  
 61 THRIFTY NICKEL  
 THRIFTY NICKLE  
 71 CORSON MUSIC  
 73 LOW END HIP HOP SHOP  
 82 CHAMPAIGN CITY OF ALL CITY DEPARTMENTS NOT LISTED ABOVE  
 CHAMPAIGN CITY OF POLICE DEPARTMENT  
 CHAMPAIGN COUNTY CRIMESTOPPERS  
 CHAMPAIGN POLICE DEPARTMENT  
 101 DALLAS & COMPANY COSTUMES & MAGIC  
 102 HOUSING ATHRTY OF CHAMPAIGN CNTY MAIN OFFICE PUB HOUSING  
 108 SECURITY FINANCE CORPORATION OF ILLINOIS  
 110 LESHOPPE  
 111 KRUEGER MARKETING ASSOCIATES INCORPORATED  
 112 LEONARDS PAWN & JEWELRY  
 114 YE OLDE FURNITURE STORE  
 115 ELECTRIC PICTURES  
 G Q HUE FINE MENSWEAR  
 OCTOPUS THE  
 116 ALBERT CONRAD WHOLESALERS  
 DAVE & HARRY LOCKSMITHS INCORPORATED  
 117 BRIAN KNOX SOUND & LIGHT RENTALS  
 FABULOUS FALSHBACK BAND  
 119 SALVATION ARMY THE  
 125 SKINNER, HARRY C  
 126 FURNITURE WAREHOUSE  
 134 BRIDAL BY DUCKYS  
 DUCKYS FORMAL WEAR  
 203 HUCKINS & WHEALON AUTO SUPPLY  
 209 PROCTORS RESTAURANT EQUIPMENT & SUPPLY  
 RESTAURANT EQUIPMENT & SUPPLY COMPANY  
 210 ARROW CARLE AMBULANCE SERVICE  
 ARROW MEDICAL SERVICES  
 CARLE EMS  
 CARLE FOUNDATION HOSPITAL  
 REYNOLDS TWIN CITY

**E UNIVERSITY AVE**

**2000**

**(Cont'd)**

- 210 TWIN CITY RADIATOR
- 211 CHAMPAIGN MATTRESS FACTORY
- 212 DIVAN, W R
- 301 WOJNAR, CHRIS
- 303 20TH CENTURY HEATING & COOLING INCORPORATED
- 306 U HAUL COMPANY
- 311 AUTOZONE
- 315 GINZA & COMPANY

**S MARKET ST 2000**

302 MARCO STEEL SUPPLY & SCRAP PROCESSING COMPANY DIVISION OF ME  
308 BRAKE SHOP THE  
CLEAN FOR YOU TOO

**E LOGAN ST 1995**

- 11 BUCKLES, M C  
CARTER, RUSSELL E  
CLAUDIN WELDING SUPPLY  
SMITH, JEFF D
- 45 SIEG CO AUTO SUPPLY

**E UNIVERSITY AVE****1995**

9 LEATHER SHOP ETC  
 11 COOK, DAVID P  
 OLD VIC ART GALLERY  
 15 BRASS RAIL  
 17 ANDERSON, CHESTER E  
 ASHLEY, B  
 BENNETT, A  
 BOYER, ROBERT  
 CLARK, RHEBA  
 CONLEY, G  
 COOLLEY, CAROLYN  
 CORNELL, V  
 CRYSTAL DINING ROOM  
 DESIGNS BY DAWN  
 DISHEROON, M L  
 DONHOWE, PETER  
 EASTER, H  
 FAY, T T  
 FORSHEY, V  
 GRAY, A R  
 GREATHOUSE, LOWELL A  
 HARTSAW, RALPH  
 HEARN, JANE  
 HILGERT, V  
 HOE, BYRD  
 HUFFMAN, D  
 INMAN  
 JACKSON, D  
 JUNKERMAN, M A  
 KENT, RICHARD E  
 KERR, V  
 KRAATZ, VERA  
 LOCKHART, R E  
 MARSHALL, E W  
 MCGAUGHEY, R  
 MCWETHY, B  
 MEVIS, MARTIN  
 MILLER, CHARLES O  
 MORAN, THOMAS B  
 MORGAN, EDITH B  
 MORRIS, G W  
 MORROW, BARBARA  
 NADA, DONHOWE  
 NIELSEN, AGNES  
 NORWOOD, MYRTLE F  
 OLSEN, RAYMOND C  
 OWENS, V J  
 PHELPS, C L  
 PINNA, JOSE M  
 REYNOLDS, RONALD

## E UNIVERSITY AVE

1995

(Cont'd)

17 RODEHAVER, JOSEPH  
 ROTH, M  
 SAATHOFF, GARRELT J  
 SANFORD, DWIGHT F  
 SHURTS, TED M  
 SMITH, WILLIAM E  
 STERMER, WILLIAM H  
 SWENSON, ROBERT H  
 TUCKER, A I  
 UMLAND, LAVONNE  
 WEBB, Z C  
 WEINARD, R T  
 WEISHAR, A  
 WHITE, DARRELL  
 WHITT, CLARA O  
 WILLCOXEN, D C  
 WINN, LAURA  
 WOMICK, FRANK  
 WOODARD, VERA  
 WYATT, C B  
 ZIMMERMAN, CONRAD E  
 40 CHAMPAIGN URBANA CONVENTION  
 41 CHAMPAIGN URBANA SCHOOLS FNDTN  
 COMMUNITY RESEARCH ASSOC  
 ETHNO GRAPHICS  
 EXHIBITS  
 FLATLANDERS  
 HAMMERHEAD RECORDS INC  
 JOHNSON TIMOTHY REP  
 JOHNSON, TIMOTHY V  
 ONION INC  
 PRAIRIE BOOK ARTS CTR  
 PRIMELIGHT STUDIO  
 REPUBLICAN PARTY OF CHAMPAIGN  
 THIRD STONE BOOKING  
 WEINTZ, STEVE  
 44 CHAMPAIGN POLICE BENEVOLENT  
 JONS FILM LAB INC  
 61 COOPER, RANDY B  
 71 MACHULA BUSINESS INTERIORS  
 73 20TH CENTURY HEATING & HOME  
 CARROUSEL  
 82 CHAM CTY POLICE  
 CHAMPAIGN COUNTY CRIME STOPPER  
 101 DALLAS & CO  
 102 HOUSING AUTHORITY  
 HOUSING AUTHORITY OF CHAMPAIGN  
 108 TRADITIONAL GLASSWORKS  
 111 WOODS, C  
 112 LEONARDS JEWELRY

**E UNIVERSITY AVE****1995****(Cont'd)**

112	LEONARDS PAWN SHOP
113	OCCUPANT UNKNOWNN WRIGHT SOUND CD EXCHANGE
114	NORMAN, MIKE D YE OLDE FURNITURE STORE
115	KNOX, BRIAN LE SHOPPE
116	ALBERT CONRAD WHOLESALERS DAVE & HARRY INC DAVE & HARRY LOCKSMITHS
117	BRIAN B KNOX JEWELRY DESIGNER COOK, SARA L FABULOUS FLACHBACK 60S BAND
118	PECKHAM & ASSOC APPRAISERS STATE REPRESENTATIVE
119	HARRIS, ROBERT SALVATION ARMY
125	BARBARAS ALTERATIONS PLUS OCCUPANT UNKNOWNN
126	FURNITURE WAREHOUSE
134	BRIDALS BY DUCKYS DUCKYS FORMAL WEAR
203	HUCKINS & WHEALON AUTO SUPPLY
209	PROCTORS RESTAURANT EQUIPMENT
210	ARROW AMBLNC SERV ARROW AMBULANCE SVC ARROW MEDICAL SVC TWIN CITY RADIATOR
211	CHAMPAIGN MATTRESS FACTORY
212	DIVAN, WALTER R
305	HARRIS, A JEFFRIES, JAMAL TUFFY AUTO SVC CTR
306	U HAUL CO

**S MARKET ST 1995**

- 302 MARCO STEEL SUPPLY
- MARCO STEEL SUPPLY & SCRAP
- 308 BRAKE SHOP
- CLEAN FOR U

**E LOGAN ST 1992**

- 11 BUCKLES, MARY C  
CLAUDIN WELDING SUP  
MEDOX
- 45 SIEG COMPANY
- 112 SMITH, JEFF D

**E UNIVERSITY AVE****1992**

9	HARDWICK G T AIA LEATHER SHOP ETC
11	CAMERAS EYE PHOTOWK CHAMPAIGN MED SOC COOK, DAVID P LANDOGRAPHICS OLD VIC ART GLLRY RAYCOM SPORTS SOLOMON LAURIE
15	BRASS RAIL
17	AMER REALTY CONSTR ARBOGAST, F M FESSLER, ROBERT E SWENSON, ROBERT H VANMETER, SHIRLEY I
40	CHAMP URB CONV BUR
41	DOBBS, JAMES C NOVANET PRAIRIE BOOK ARTS PRIMELIGHT STUDIO SYLVAN LEARNING CTR UNIVERSITY CMMUNCTN
44	BURTONS FEED DEPOT JONS COLORFILM LAB
71	AMZ-CO LEASING INC MACHULA BSNS INTRS MACHULA INTERIORS
73	20 CNTRY HTG & AIR CAROUSEL CLOTHG
82	CHAMPAIGN POLICE CITY POLICE DEPT
101	DALLAS & CO CSTMS
102	DOMINO SYSTEMS INC
110	HOUSE OF RISNGSOUND
111	ROGERS AUDIO SCHULTZ, JOHN ZEMLIN, T
112	LEONARDS LEONARDS PAWN SHOP
113	JONES UNIQUE FASHNS
114	PETERS, LARRY L YE OLDE FURNITURE
115	KNOX, BRIAN LE SHOPPE MEADOW GOLD ICE CRM
116	DAVE&HARRY LCKSMTHS
117	BRIAN B KNOX JEWELR BRIAN KNOX LTD FABULOUS FLASHBACK KELLY, CANDIS

**E UNIVERSITY AVE**

**1992**

**(Cont'd)**

- 117 KNOX B B JEWELER  
KNOX, BRIAN B  
TUCKER, A I
- 118 SATTERTHWAITE HELEN
- 119 SALVATION ARMY THE
- 125 NORIKOS TAILORING  
SCOOTERS & MORE
- 126 FURNITURE WAREHOUSE
- 134 BRIDALS BY DUCKYS  
DUCKYS FORMAL WEAR
- 203 HUCKINS & WHEALON
- 207 EICHENAUER SERVICES
- 209 PROCTOR'S RESTR EQP  
RESTAURANT EQPMNT
- 210 ARROW AMBULANCE SVC  
ARROW MEDICAL SVCS  
BODY SHOP THE  
BROCKIES WRECKER  
THE BODY SHOP  
TWIN CITY RADIATOR
- 211 CHAMPAIGN MATTRESS
- 212 DIVAN, WALTER R
- 305 BANDO, SHAWN  
GARIBAY, RUBEN  
HEGENBART, E F
- 306 U HAUL CTR OF UNIV  
U-HAUL CENTER
- 311 AUTOZONE  
BARTLE, D S  
LITTLEWOOD, JOHN  
MCCULLOUGH, DON  
MOUCH, M L  
SOMERS, J E
- 315 GINZA & CO
- 317 C-U PRESS  
CHAMP URB PRESS

**S MARKET ST 1992**

132 SOY COUNTRY SPECLTY  
UBIP COMPANY  
208 WITHROW, MICHAEL  
302 MARCO STEEL SUPPLY  
MARCO STEEL&SUPPLY  
308 BRAKE SHOP THE  
TRAVEL AUTO TRIM



E LOGAN ST 1987

**LOGAN E**

**SE FROM S NEIL ST TO S 1ST ST, 1 S  
OF E UNIVERSITY AV ZIP CODE  
61820**

- 2 ROSIE CHEEKS.....351-6018
- 9 CLAUDIN WELONG SUPPLY...352-4661
- 9 MEOOX OIVISION OF  
CLAUDIN WELONG SUPPLY...352-4661
- 11 BUCKLES M C.....356-3028
- 11 GOODARD Cecellia.....356-7001
- 11 RIMM D H.....356-7001
- 11 (#2E)SMITH Jeff O.....351-3026
- 45 No Information
- 49 OEMOCRATIC PARTY OF  
CHAMPAIGN COUNTY.....359-3760

## E UNIVERSITY AVE 1987

**UNIVERSITY AV E**

**E FROM NEIL ST TO CITY LIMITS, 6 N  
OF E GREEN ST, DIVIDING LINE FOR  
N & S STS ZIP CODE 61820**

	ILLINI F S INC .....	384-8300
	LIQUI GREEN LAWN CARE OF CHAMPAIGN-URBANA .....	328-6677
9½	HARDWICK G T ARCHITECTS AIA.....	356-5251
11	WILLIAMS BUSINESS INTERIORS.....	359-0717
11½	CAMERA'S EYE PHOTOWORKS.....	398-2811
11½	CHAMPAIGN COUNTY MEDICAL SOCIETY.....	359-9195
11½	SOLOMON LAURIE.....	398-2811
15	BRASS RAIL.....	352-7512
15½	COSTA Anthony.....	359-4561
17	NATIONAL ACADEMY OF ARTS .....	356-3212
17	NATIONAL ACADEMY OF ARTS-FOOD SERVICE .....	351-1814
17	BERGLUND John E.....	398-6731
17	CHADIMA A D.....	351-8253
17	DOYLE Robert Michael.....	351-1864
17	ONEAL C L.....	351-0934
17	(#417)RATTENBURY M.....	359-6442
17	(#509)FREEMAN Alan.....	398-4016
17	(#527)KREWS C.....	398-8547
19	No Information	
40	No Information	
41	PRAIRIE BOOK ARTS CENTER .....	352-6621
41	SELF HELP VILLAGE CRAFTS .....	352-8200
44	JON'S COLORFILM LAB.....	352-0213
61	TRAILWAYS BUS TERMINAL.	352-3300
71	A M Z COMPANY LEASING INC .....	356-1344

**E UNIVERSITY AVE 1987**

71 HOB0 SYSTEMS INC.....356-1344  
 71 MACHULA BUSINESS  
 INTERIORS.....356-1344  
 73 20TH CENTURY HEATING &  
 AIR CONDITIONING .....352-1791  
 77 No Information  
 B2 CHAMPAIGN COUNTY  
 CRIMESTOPPERS.....373-8477  
 82 POLICE DEPARTMENT-  
 CHAMPAIGN CITY OF .....351-4545  
 101 DALLAS & COMPANY  
 COSTUMES & MAGIC.....351-5974  
 102 UNITED STATES  
 GOVERNMENT OF.....398-5516  
 102 UNITED STATES  
 GOVERNMENT-  
 CONGRESSMAN-TERRY  
 L BRUCE .....398-5516  
 102 (ofc)BRUCE TERRY L CONG.....398-0020  
 104 MAXICARE ILLINOIS .....356-3333  
 108 No Information  
 110 C-U APPLIANCE CENTER .....351-7876  
 112 LEONARD'S JEWELRY .....356-9321  
 112 LEONARD'S PAWN SHOP .....352-9168  
 114 YE OLDE FURNITURE STORE. 356-8895  
 116 BURT DENNY .....352-5034  
 116 DAVE &  
 HARRY LOCKSMITHS.....356-7275  
 118 SATTERTHWAITHE HELEN.....356-8557  
 118½ (#B)MAXWELL Kevin.....398-3468  
 118½ (#B)SMITH Charles.....398-3468  
 119 SALVATION ARMY THE-  
 SOCIAL SERVICES.....373-7827  
 119 SALVATION ARMY THE-  
 THRIFT STORE.....373-7825  
 119 SALVATION ARMY THE-  
 MEN'S EMERGENCY LODGE .....373-7830  
 120 H & R BLOCK INC.....359-5785  
 122 No Information  
 125 NORIKO'S TAILORING.....356-8530  
 125½ MURRELL Douglas.....352-9262  
 125½ MURRELL Douglas.....352-9277  
 126 GRAND LEADER  
 FURNITURE CO.....352-5959  
 126 UNIVERSITY  
 FURNITURE RENTALS.....351-9100  
 134 DUCKY'S FORMAL WEAR.....356-5822  
 201 No Information  
 202 BEASLEY CAB INC.....352-0031  
 202 CHECKER CAB.....352-0031  
 202 RADIO CAB .....352-0031  
 202 YELLOW CAB .....352-0031  
 203 HUCKINS & WHEALON  
 AUTO SUPPLY.....352-4218  
 207 FICHENAUER FOOD

S MARKET ST 1987

**MARKET S**

**SW FROM E UNIVERSITY AV TO E  
SPRINGFIELD AV, 2 E OF S NEIL ST  
ZIP CODE 61820**

- 132 SOY COUNTRY SPECIALTY  
FOOD CO .....398-5756
- 302 MARCO STEEL SUPPLY CO .....352-4707
- 308 BRAKE SHOP THE .....359-5111
- 308 RYOER TRUCK RENTAL-  
ONE-WAY INC-  
NEIGHBORHOOD DEALERS .....352-7521
- 30B TRAVEL AUTO TRIM .....352-5551

E LOGAN ST 1984

**LOGAN E**

**SE FROM S NEIL ST TO S 1ST ST, 1 S  
OF E UNIVERSITY AV ZIP CODE  
61820**

- 2 ROSIE CHEEKS.....351-6018
- 9 UNITED RADIATOR SERVICE...352-4525
- 11 CLAUDIN WELDING SUPPLY ...352-4661
- 11 RIMM D H.....356-7001
- 45 SIEG COMPANY  
AUTO SUPPLY.....352-5188
- 49 DEMOCRATIC PARTY OF  
CHAMPAIGN COUNTY .....359-3760

**LOGAN EAST DR**

## E UNIVERSITY AVE 1984

### UNIVERSITY AV E

**E FROM NEIL ST TO CITY LIMITS, 6 N  
OF E GREEN ST, DIVIOING LINE FOR  
N & S STS ZIP CODE 61820**

<b>9½ ASSOCIATED ARCHITECTS</b>	
AIA.....	356-5251
9½ CLAY E H.....	356-5251
<b>9½ HARDWICK G T</b>	
ARCHITECTS AIA.....	356-5251
9½ PETERSON K L.....	356-5251
9½ VOELKER W J.....	356-5251
11 GLASROCK MEDICAL.....	398-4916
15 BRASS RAIL.....	352-7512
15½ COSTA Anthony.....	359-4561
<b>17 NATIONAL ACADEMY OF ARTS.....</b>	
	356-3212
17 DOYLE Robert Michael.....	351-1864
17 GOMEZ Terrine.....	351-8366
17 JAFFE Alberto (4).....	398-0484
17 (#501)TRYON Carolyn.....	352-5453
17 (#527)HOLMQUIST Jeffery.....	359-7355
<b>17 (#604)CHAMPAIGN COUNTY ARTS &amp; HUMANITIES COUNCIL.....</b>	
	352-8979
19 No Information	
41 ILLINOIS POWER COMPANY.....	328-6200
44 JON'S COLORFILM LAB.....	352-0213
61 No Information	
65 Vacant	
<b>71 A M Z COMPANY LEASING INC.....</b>	
	356-1344
<b>71 MACHULA BUSINESS INTERIORS.....</b>	
	356-1344
72 No Information	
<b>73 20TH CENTURY HEATING &amp; AIR CONDITIONING.....</b>	
	352-1791
77 BAKER ILLINI PHARMACY.....	352-7641
<b>82 CHAMPAIGN CHIEF OF POLICE.....</b>	
	351-4567
<b>101 DALLAS &amp; COMPANY COSTUMES &amp; MAGIC.....</b>	
	351-5974
108 DLD FASHION.....	398-9530
110 C-U APPLIANCE CENTER.....	351-7876
111 No Information	
112 LEONARD'S JEWELRY.....	356-9321
112 LEONARD'S PAWN SHOP.....	352-9168
114 YE OLDE FURNITURE STORE.....	356-8895
116 DAVE & HARRY LOCKSMITHS ...	356-7275
116 HANEY STANLEY C.....	352-5034
118 SATTERTHWAITE HELEN.....	356-8557
118 UNGER V A.....	359-0519
119 FURNITURE OUTLET.....	359-2221
122 HELMS-WORKS OF GLASS.....	352-2500
125 NORIKO'S TAILORING.....	356-8530
<b>126 GRAND LEADER FURNITURE CO.....</b>	
	352-5959
<b>126 UNIVERSITY FURNITURE RENTALS.....</b>	
	351-9100
134 DUCKY'S FORMAL WEAR.....	356-5822
201 WANG Chun Niag.....	356-8829
201 WANG Chunnian.....	356-8829
201 YANG Rugui.....	356-8829

## S MARKET ST 1984

**MARKET S**

**SW FROM E UNIVERSITY AV TO E  
SPRINGFIELD AV, 2 E OF S NEIL ST  
ZIP CODE 61820**

	NOBIL SHOE STORE .....	351-5120
	SEARS ROEBUCK & CO- BEAUTY PARLOR .....	359-5137
	SEARS ROEBUCK & CO- PHOTO PORTRAIT STUDIO .....	359-5146
	SEARS ROEBUCK & CO- TICKETRON SALES .....	351-6929
	CHAMPAGNE TASTE .....	351-5839
	COOKIE FACTORY .....	356-3100
	H & R BLOCK .....	351-9186
	ABBOTT'S FLORIST .....	352-8083
	ARROW GLASS COMPANY OILS & REFLECTIONS .....	359-0011
	CLAIRE'S BOUTIQUES .....	359-3305
	COMMAND PERFORMANCE .....	351-5161
	GERY & AL'S SPORTING GOODS INC .....	359-8866
	HARDEE'S .....	359-6471
	KARMEKORN SHOPPE .....	356-0806
	LIFE STRIDE SHOE STORE .....	359-8474
	LLOYDE PIANO & ORGAN CO .....	352-0025
	OILS & REFLECTIONS-AM ARROW GLASS CO .....	359-0011
	PITCHER'S T-TOP SHOP .....	359-8700
	REED JEWELERS INCORPORATED .....	356-7D19
	ROLAND'S WOMEN'S APPAREL .....	352-1800
	STUARTS WOMEN'S APPAREL .....	359-8487
	SYCAMORE SHOP .....	351-4006
132	BEAMER FONNER INC .....	351-1848
132	132 MARKET .....	351-1891
302	CHAMPAIGN JUNK COMPANY .....	352-4707
302	MARCO STEEL & SCRAP CO .....	352-4707
308	BRAKE SHOP THE .....	359-5111
308	RYDER TRUCK RENTAL- ONE-WAY INC- NEIGHBORHOOD DEALERS .....	352-7521

E LOGAN ST 1974

**LOGAN ST (4200) CHAMP  
FROM 200 S NEIL SOUTHEAST-ZIP  
CODE 61820**

- 9 UNITED RADIATOR  
SERVICE ..... 352-4525**
- 11 CLAUDIN Mildred M (1) ..... 352-8849  
CLAUDIN WELDING  
SUPPLY ..... 352-4661**
- ORECHWA Yuri (2) ..... 359-6476**
- WILSON'S TIRE SHOP ..... 352-4404**
- 16 SPENCER MILES GARAGE ..... 352-3022**
- 18 BEST AUTO TRIM &  
UPHOLSTERY SHOP ..... 352-7431**
- 45 SIEG COMPANY AUTO  
SUPPLY ..... 352-5188**

L

## E UNIVERSITY AVE      1974

1 (of )	SEGALL Mort	359-1638
	HOTEL INMAN	352-4211
9 (of )	SEGALL LAW	
	OFFICES	359-1638
9½	HARDWICK G T architects	356-5251
11	Vacant	
14	CHAMPAIGN POLICE DEPT	352-4247
15	KELLY'S BRASS RAIL	352-7512
	RIDEN Bradley	352-7596
15½	DEMLOW Maude E	356-6829
	HINKLE Elizabeth (1)	
	MALEY Bonnie V	356-9517
	SCHMIDT Gertrude Mrs (1)	356-9517
17	DANIELSON William A	
	(2)	352-3621
	W I C D CHANNEL 15 TV	352-7673
19	OTIS ELEVATOR CO	352-8119
40	CHAMPAIGN SURPLUS	
	STORE	356-4703
41	ADEQUATE WIRING	
	BUREAU OF CHAMPAIGN	
	URBANA	328-3541
	ILINOIS POWER CO	328-3541
44	JON'S COLOR-FILM LAB	352-0213
	WINES John	352-0213
61	AL'S LIQUOR DRIVE IN	356-8338
65 (ofc)	DIFFAY L W DR	356-1620
67	M & M SALES CO	352-3877
	McGRAW VENDING	352-3877
70	CAMPBELL EVANS K	
	AGENCY	352-3322
71	A M Z CO LEASING INC	356-1344
	MACHULA BUSINESS	
	INTERIORS	356-1344
72	SWARTZ AGRICULTURAL	
	SERVICE	356-0513
73	NATIONWIDE SPEED	
	PRINTING	359-8277
75	B C SALES COMPANY	352-8399
	HAROLD'S BARBER SHOP	356-3404
76	No Information	
77	BAKER ILLINI	
	PHARMACIES	352-7641
78	LENER & GADAU	356-8381
	(ofc) GADAU JOHN E	356-8381
	(ofc) LENER ARTHUR M	356-8381
102	No Information	
104	OPAL TAYLOR SHOP	352-4884
	TAX SHOP	352-4884
	TRAUTMAN'S	
	BOOKKEEPING SERVICE	552-4884
104½	BROWN Douglas W (1)	359-7198
	CLEMENT Constance	359-7198
	ELLSWORTH John C (1)	
106	No Information	
108	OFFICE THE	356-4212
110	GREENMAN'S	352-2433

**S MARKET ST 1974**

**MARKET ST SOUTH (4440) CHAMP  
FROM E UNIVERSITY SOUTH TO  
SPRINGFIELD-ZIP CODE 61820**

120 No Information

132 BEATRICE FOODS CO ..... 352-5211

202 No Information

204 No Information

206 BINDER GARY AUTO

BODY SHOP ..... 359-7825

214 OPEN ARMS INN YOUTH  
CENTER .....

302 CHAMPAIGN JUNK CO ..... 352-4707

MARCO SCRAP

MATERIALS CO ..... 352-4707

MARCO STEEL SUPPLIES .... 352-3040

406 GILMAN Charles R Ⓢ (6) .....

E LOGAN ST 1968

10

LOGAN ST -FROM 200 S NEIL  
SOUTHEAST

---ZIP CODE 61820

9 VACANT

11 CLAUDIN WELDING SUPPLY 352-4661

WILSON TIRE SHOP 352-4404

11½ CLAUDIN BERT W • 352-4661

16 SPENCER MILES M GARAGE AUTO

REPR 352-3022

18 NAUGHTIN SIGNS 352-6622

---MARKET INTERSECTS

---CHESTNUT INTERSECTS

12

---S OAK ST INTERSECTS

E LOGAN ST 1968

15

LOGAN ST--Contd

---S WATER ST INTERSECTS

--LOCUST ST INTERSECTS

45 SIEG PEORIA CO WHOL AUTO PARTS  
352-5188

---S 1ST ST INTERSECTS

-----

## E UNIVERSITY AVE 1968

---ZIP CODE 61820  
 9 VACANT  
   SEGALL MORT A LWYR 359-1638  
 11 AVENUE QUE & LUNCH ROOM RESTR  
   356-7930  
 11½ SANSONE BETTY MRS  
 15 KELLY'S BRASS RAIL TAVERN  
   352-7512  
 15½ DEMLOW MAUDE E MRS 356-6829  
   HINKLE ELIZ MRS 356-5109  
   HULSE DOROTHY J MRS  
 ---N WALNUT INTERSECTS  
 17 INMAN HOTEL 352-4211  
   INMAN YARN GIFT SHOP 359-3814  
   OTIS ELEV CO OFC 352-8119  
   W I C D TELEVISION 15 NBC  
   352-7673  
 ---MARKET INTERSECTS  
 40 CHAMPAIGN SURPLUS STORE  
   356-4703  
 41 ILLINOIS POWER CO 359-1771  
 ---CHESTER INTERSECTS  
 44 VACANT  
 ---ICRR CROSSES  
12  
 ---OAK ST INTERSECTS  
 61 AL'S LIQUOR DRIVE-IN 356-8338  
 ---WATER ST INTERSECTS  
 65 DIFFAY LANDLE W PODIATRIST  
   356-1620  
 65½ VACANT  
 67 M & M SALES VENDING MACHS  
   352-3877  
 69 VACANT  
 70 EVANS CAMPBELL AGENCY INS  
   352-3322  
   UNIVERSITY RISK MANAGEMENT  
   -CONSULTANTS INC INV 352-1756  
 71 MACHULA BUSINESS INTERIORS  
   356-1344  
 72 VACANT  
 73 VACANT  
 75 HAROLD'S BARBER SHOP 356-3404  
 77 BAKER HARRY J PHARMACY 352-7641  
 78 COMMERCIAL BANK BLDG  
   COMMERCIAL BANK OF CHAMPAIGN  
   352-0561  
   LERNER ARTH M LWYR 356-8381  
 ---S 1ST ST INTERSECTS  
 101 GETMAN'S RELIABLE FURNITURE  
   INC FURN RET 352-4251  
 102 HEIMLICHER'S SUNDRIES  
   DRUGGISTS 356-1515

S MARKET ST 1968

10

MARKET ST S -FROM E UNIVERSITY  
SOUTH TO SPRINGFIELD

---ZIP CODE 61820

120 LEWIS W & CO (SERV DEPT)

132 BEATRICE FOODS CO (CREAMERY  
BR) DAIRY PRODUCTS WHOL  
352-5211

---LOGAN INTERSECTS

202 VACANT

204 VACANT

206 HUDELSON DANA INC UPHOL  
352-1421

214 OZIER CONSTN CO WHSE 356-3758

---MARSHALL INTERSECTS

302 MARCO SCRAP MATERIALS CO  
352-3040

---JEFFERSON ENDS

---E SPRINGFIELD INTERSECTS

40

## E LOGAN ST 1963

10

LOGAN-From 200 S Neil southeast to  
1st

11 Claudin Welding Sup 352-4661

11½ Claudin Bert W © 352-4661

Brandriff Clarence G 352-8252

13 Sauer Chas A © 352-4781

16 Spencer Miles M Garage auto dlr &  
repr 352-3022

18 Vacant

Market intersects

Chestnut intersects

12-A

S Oak intersects

S Water intersects

Locust intersects

45 Sieg Peoria Co auto parts whol  
352-5188

49 Green Ruth Mrs © 352-2793

L&M Ceramics Studio 359-1821

S 1st intersects

3

## E UNIVERSITY AVE 1963

10

## UNIVERSITY AVENUE EAST-From 100

Neil east to Wright

4-16 City Fire Dept 352-4242

7 Vacant

9 Embers Restr 356-2311

11 Vacant

11½ Vacant

15 Kelly's Brass Rail tavern 352-7512

15½ Demlow Maude E Mrs 356-6829

N Walnut intersects

17-19 Inman Hotel

Inman Barber Shop

Hertz Rent A Car Sys 356-9414

Exchange Club

Daughters of Am Revolution

WCHU Telev 33 NBC 352-7673

Nesbitt Herbert E (chef's ofc)

352-2496

Champaign-Urbana Christian's

Business Men's Assn

Inman Yarn &amp; Gift Shop 359-3814

Market intersects

40 Piccadilly Liquor Store 356-3733

41 Eillinois Power Co 356-1883

Chester intersects

44 Stull Jerry &amp; Son gas sta 356-7632

ICRR tracks

12-A

Oak intersects

61 Al's Liquor Drive In 356-8338

Water intersects

65 Aluminum Specialties storm doors

356-5821

65½ Stahl Thos E 356-9432

67 M&amp;M Sls vending machs 352-3877

69 Bush Bros (stge)

70 Evans Campbell K ins 352-3322

Paine Donna

71 Messmann's Market gro 352-4853

## S MARKET ST 1963

10

**MARKET SOUTH-From E University  
south to Springfield**

120 Lewis W & Co (whse)

132-34 Beatrice Foods Co (creamery  
br) 352-5211

**Logan intersects**

202-04 Vacant

208 Champaign-Urbana Courier (whse)

210-12 Vacant

214 Swift & Co whol meats 356-1311

233-35 Professional Auto Beauty Shop  
auto wash 356-7043

**Marshall intersects**

302-06 Champaign Junk Co 352-4707 &  
352-3040

Marco Steel Sup Co junk 352-4707

**Jefferson ends**

**E Springfield intersects**

10

## E LOGAN ST 1958

10

LOGAN—From 200 S  
Neil southeast to 1st

9ΔCollins E B Co  
auto parts

11ΔClaudin Welding  
Supply

Claudin Bert W

16ΔSpencer Miles M  
Garage auto  
repr

ΔSpencer Miles M  
telev sls &  
serv

ΔEvinrude Outboard  
Mtrs

Market inter-  
sects

Chestnut inter-  
sects

12

S Oak intersects

S Water inter-  
sects

Locust intersects

49ΔGreen Ruth Mrs ©  
S 1st intersects

E UNIVERSITY AVE

1958

10

UNIVERSITY AV EAST—

From 100 Neil east to  
Wright

4-16△City Fire Dept

7 Semmons Dan hat  
cln

9△Up-Town Cafe restr

11△Hughes - Krabbe Co  
hsehold appl11½△Brown Morris bail  
bonds△Howard Margt  
notary public

15△Brass Rail tavern

15½△Demlow Maude M  
MrsN Walnut inter-  
sects

17△Inman Beauty Shop

△Inman Barber Shop

## E UNIVERSITY AVE 1958

Δ	Hertz Driv-Ur-Sell System Li- censee Inc
17-19Δ	Inman Hotel Exchange Club Civic Activity Assn Daughters of Am Revolution
17-19Δ	Champaign Urbana Chris- tian Business Men's Assn Business & Prof- essional Women's Club
	<b>S Market inter- sects</b>
40	Piccadilly Liquor Store
41Δ	Illinois Power Co <b>Chester intersects</b>
44Δ	Stull Gerald T gas sta
	<b>ICRR tracks</b>
	<b>12</b>
	<b>Oak intersects</b>
59-63	Champaign Auto Exch
	<b>Water intersects</b>
65Δ	Champaign Blue- print & Photog
65½Δ	Stahl Thos E
67Δ	M & M Sales amuse- ment machines
69Δ	Messman Hdw (storage)
	ΔEvans Campbell K Ins
71	Messmanns Hdw
72	Vacant
73Δ	University Lunch Room
74Δ	Installment Finance Co
75Δ	Harold's Barber Shop
77	Nortons av Liquors
78	<b>Commercial Bank Bldg</b>
	ΔCommercial Bank of Champaign
	ΔWoods Wm F Iwyr Palaestrum Gym- nasium Champaign Park Dist
	<b>1st intersects</b>
101-07Δ	Reliable Furn Inc
102Δ	Heimlichers Sur- dries

## S MARKET ST 1958

10

**MARKET SOUTH—From  
E University south to  
Springfield**

132-34ΔBeatrice Foods  
Co (Creamery  
Branch)

**Logan intersects**

202-08 Vacant

210-12ΔEisner Gro Co  
(store mtce)

214ΔEisner Gro Co  
(whol meat  
dept)

233-35ΔProfessional  
Auto Beauty  
Shop auto  
wash

**Marshall inter-  
sects**

302-06ΔChampaign  
Junk Co

**Jefferson ends  
E Springfield  
intersects**

10

## E LOGAN ST 1954

**10**

**LOGAN—From 200 S Neil**  
**southeast to 1st**  
 9ΔCollins E B Co  
 auto parts  
 11 Eisner Gro Co  
 (parking)  
 16ΔSpencer Miles M  
 Garage auto repr  
 ΔSpencer Miles M  
 telev sls & serv  
 ΔEvinrude Outboard  
 Mtrs  
 18ΔStrahle Paul J auto  
 elec serv  
**Market intersects**  
**Chestnut intersects**

**12**

**S Oak intersects**  
**S Water intersects**  
 45 Nelson Herbert  
**Locust intersects**  
 49ΔGreen Edw F @  
**S 1st intersects**

E UNIVERSITY AVE

1954

10

**UNIVERSITY AV EAST**  
 —From 100 Neil east to  
 Wright

4-16ΔCity Fire Dept

7 Semmons Danl C hat  
 clnr

9ΔUp-Town Cafe restr

11ΔHughes-Krabbe Co  
 hsehold appl

11½ΔBrown Morris bail  
 bonds

ΔHoward Margt  
 notary public

15ΔKellys Brass Rail  
 tavern

15½ΔDemlow Maude M  
 Mrs

ΔJean John

ΔBurks Veda Mrs

ΔDavis Clyde E

17ΔInman Beauty Shop  
 Bruno Harry barber

17-19ΔInman Hotel  
 Exchange Club

## E UNIVERSITY AVE 1954

Champaign-Urbana Business & Pro- fessional Womens Club	
Daughters of Ameri- can Revolution	
40	△Interlocking Farm Store
41	△Illinois Power Co <b>S Market intersects</b> <b>Chester intersects</b>
44	△Stull Gerald T gas sta
<b>I C R R tracks</b>	
<b>12</b>	
<b>Oak intersects</b>	
58	Vacant
59-63	Glenco Motors auto rental
	△Hertz Driv-Ur Self Sys Licensee auto rental
60	Vacant
<b>Water intersects</b>	
62	△Hagerty & Husky gas sta
63	Under constn
65	Wishing Well (stge)
65 ½	Vacant
67	△M & M Sales Co
69	△Messman Clarence (storage)
70	△Vaughn Cyrus W jr ins
	△Evans Campbell K ins
	△Champaign Brickote Co Inc contrs
70 ½	Angel Paul
71	△Messman Clarence hdw
72	△Wishing Well The gift shop
73	△University Lunch Room
74	△Bell Jack Appliance Co gas appl
75	△Harold's Barber Shop
76	△Leonard's Luggage & Jewlery
77	△Nortons Av Liquors
78	<b>Commercial Bank</b> <b>Bldg</b>
	△Commercial Bank of Champaign
	△Woods Wm F lwyr
	△Harper Mortgage Co loans
<b>Street continued</b>	
<b>1st intersects</b>	
101-07	△Reliable Furn Co
102	△Heimlicher Leslie G drugs
104	Schwartz Robt H leather gds
104 ½	Anderson Reba Mrs
106	△Old Fashioned Tav- ern Old Fashioned Lunch restr

## S MARKET ST 1954

Target Street	Cross Street	Source
		City Limits
		10
<b>MARKET SOUTH</b>	<b>— From</b>	
<b>E University</b>	<b>south to</b>	
<b>Springfield</b>		
132-34Δ	Beatrice Foods Co	
	<b>Logan intersects</b>	
202-08Δ	Eisner Gro Co	
210-12Δ	Eisner Gro Co	
	(garage)	
214Δ	Eisner Gro Co (whol	
	meat dept)	
215	Eisner Gro Co	
	(whse)	
233-35	Twin City Pontiac	
	Body Shop	
	<b>Marshall intersects</b>	
302-06Δ	Champaign Junk	
	Co	
303Δ	Nogle Walter C	
303½Δ	Tucker Vola ©	
	<b>Jefferson ends</b>	
	<b>E Springfield intersects</b>	

## E LOGAN ST 1949

**LOGAN—From 200 S Nell  
southeast to First**

9ΔCollins E B Co  
auto parts

11ΔLamb Bros used cars

16ΔSpencer Miles M  
Garage

18 Moore Art B tire  
repr

**Market intersects  
Chestnut intersects**

**12**

**S Oak intersects  
S Water intersects**

45 Vacant

**Locust intersects**

49ΔGreen Edw F ©  
real est

**S 1st intersects**

## E UNIVERSITY AVE 1949

10

**UNIVERSITY AV EAST**  
 —From 100 Neil east to  
 Wright

- 4-16△Fire Department  
 7 Semmons Danl C hat  
 clnr  
 9△Up-Town Cafe restr  
 11△Hughes-Krabbe Co  
 contrs  
 △Capel James L  
 lawyer  
 11½ Capel James M  
 (ofc)  
 △Plant Walter J  
 15△Kelly Elmer L tav-  
 ern  
 15½△Demlow Maude  
 Mrs  
 △Davis Clyde R  
 Charleston Arth  
 Miller Rose  
 17△Atteberry Fred  
 barber  
 △Holmes Cecile  
 beauty shop  
 19-21△Inman Hotel  
 Exchange Club  
 40△Interlocking Fenc-  
 ing Co  
 41△Illinois Power Co  
**S Market intersects**  
**Chester intersects**  
 44△Stull Gerald T filling  
 sta

**ROS** | - **MARK** |

## E UNIVERSITY AVE 1949

**Oak begins**59-63ΔChampaign Auto  
Exch

60ΔBlack &amp; White Cab

**Water begins**65ΔGem Beauty Supply  
Co65 ½ΔEastin Martha A  
Mrs  
Stahl Thos E67ΔMcGraw Timothy E  
vending machs69ΔMessman Clarence  
(storage)70ΔVaughn Cyrus W jr  
insΔEvans Campbell K  
ins

70 ½ Angel Paul

71ΔMessman Clarence  
hdw72ΔOhio Natl Life Ins  
CoΔBlacker James R  
acctΔChampaign Floor &  
Wall Tile Co

73ΔAngel Paul restr

74ΔBell Jack Appliance  
Serv IncΔAll Gas Appliance Co  
furnace reprs75ΔO'Hara Whol Co  
novelties76ΔGreenman Leonard  
jwlr

76 ½ Vacant

77ΔBauman Htg Serv  
furnacesΔFairbanks-Morse  
Stoker Sales &  
Serv78ΔCommercial Bank of  
ChampaignΔWoods Wm F  
lawyerΔTaylor Marie R pub  
sten78ΔHarper Mortgage Co  
loans**1st begins**

101-07ΔReliable Furn Co

102ΔKeusink Wm B  
drugs104 Schwartz Robt H  
leather repair

104 ½ Dalton Gilbert F

106ΔPrineas Vretos tav-  
ern

Jackson Vera restr

106 ½ Prineas Vretos

108ΔZanakis Steph restr

110ΔGreenman Bros  
men's clo

112ΔGrab-It-Here gros

## S MARKET ST 1949

10

**MARKET SOUTH—From**  
**33 E University south to**  
**Springfield**

126 Vacant

132-34ΔBeatrice Foods  
 Co (creamery div)  
**Logan intersects**

202-04ΔEisner Gro Co

210-12ΔEisner Gro Co  
 (garage)

214ΔEisner Gro Co  
 (whol meats)

215ΔTinkey Equipment  
 Co refrigeration  
 equip  
 Tinkey John W

233-35 Sullivan Crev-  
 rolet (storage)  
**Marshall intersects**

302-06ΔChampaign Junk  
 Co

303ΔNogle Walter C

303 ½ Demlow Harold  
**Jefferson ends**  
**E Springfield intersects**

10

## E LOGAN ST 1944

**LOGAN—From 200 S Neil  
southeast to First**

9Δ Collins E B Co whol  
auto accessories

11 Vacant

16Δ Spencer Miles M  
auto repr

18 Moore Art B tire  
repr

**Market intersects**

**Chestnut intersects**

**Oak intersects**

**Water intersects**

45 Taylor Rilla A Mrs

49Δ Wagner Mary A  
Mrs ©

**Locust intersects**

**First intersects**

## E UNIVERSITY AVE 1944

**UNIVERSITY EAST —**From 100 Neil east to  
Wright

4-16△Fire Department

△City Fire Marshal

7 Dan's Hat Shop  
clnr

9△Uptown Cafe

11△Hughes-Krabbe Co  
elec supplies

11½ Vacant

15△Brass Rail Tavern

15½ Parmer Andrew  
Hacker Albert R**Walnut intersects**

17 Inman Hotel

Barber Shop

△Inman Beauty Shop

19-21△Inman Hotel

Kiwanis Club

Exchange Club

40△Interlocking Farm  
& Home Store  
hdw

41△Illinois Power Co

**Market intersects****Chester intersects**

44△Jerry's Texaco

Service filling sta

48 Vacant

**Oak begins**60 Golden Flash Sta-  
tion filling sta

61 Vacant

**Water intersects**65△General Appliance  
Co

65½ Rutherford

Marion F

67△McGraw Thos F

vending machines

69 Angel Paul

70△Vaughn Cyrus W jr

70a△Lair James H  
real est

71 Vacant

72△Linton's Piano Shop

73△University Lunch

74△Messmann's Hard-  
ware

75 Grove's Barber Shop

76△Hall Vernon D &  
Son plmbrs

76½ Vacant

77 Willis Repair Shop  
furn repr

## S MARKET ST 1944

**MARKET SOUTH—From  
33 E University south  
to Springfield**

126Δ Beatrice Creamery  
Co (egg dept)  
Illini Reefer Transit  
motor freight

131 Vacant

132-34Δ Beatrice Cream-  
ery Co  
Logan intersects

202-04@ Eisner Gro Co  
(whol)

210-12Δ Eisner Gro Co  
(garage)

214Δ Eisner Gro Co  
(whol meats)

215Δ Tinkey Equipment  
Co refrigerator  
mfrs

233 Vacant

235Δ Ely Max auto pntr  
Marshall intersects

302-06Δ Champaign Junk  
Co

303Δ Nogle Walter C

303 $\frac{1}{2}$  Demlow Harold

308Δ Weeden's Auto

Wrecking Yard

Jefferson ends

Springfield intersects

## E LOGAN ST 1937

**LOGAN**

(From 200 S Neil south-  
east to First)

9-11 Clark's Battery  
Service Co

14 Vacant

16 Spencer's Garage

18 Brownie's Welding  
Shop

\* Market

\* Chestnut

\* Oak

\* Water

45 Saml Davidson

49 Mrs Mary A Wag-  
ner\*

\* Locust

\* First

## E UNIVERSITY AVE 1937

4-16 Fire Department  
 7 Dan's Hat Shop  
 9 Main Cafe  
 11 Hughes-Krabbe Co  
 15 Brass Rail Tavern  
 15 ½ H Abbott  
     C G Chalfant  
     H D Inman\*  
     A E Leeds  
     Mrs Rose Miller  
     Mert H Myers  
     Mrs Myrtle I Rich-  
     land  
     \* Walnut  
 17 Bongart's Drug  
     Store  
     Inman Hotel Bar-  
     ber Shop  
 19-21 The Inman Hotel  
     Kiwanis Club  
 39 Ill Terminal R R  
     System  
     Ill Term Express Co  
 39-41 Ill Traction Bldg  
     \* Market  
 40 Sears-Roebuck & Co  
 41 Ill Power & Light  
     Corp  
 43 Vacant  
 44 D C Penny  
 48 Interstate Lunch  
     Room  
     \* Oak  
 60 Illinois Service Co  
 61 Kimbrell Tire Shop  
     \* Water  
 65 The Gingham Beauty  
     Shop  
 65 ½ G J Huber  
     Mrs Maude Demlow  
     Mrs Della Withers-  
     spoon  
     M W Witherspoon  
 67 Vacant  
 69 Kruse Auto Works  
 70 Harris Radio Co  
 71 Band Box Cleaners  
 72 The Hub Clothing  
     Co  
 73 University Lunch  
 74 Headquarters Co B  
     130th Inf U S Army  
 75 Grove's Barber Shop  
 76 Champaign Furniture  
     Exchange  
 77 Five Spot Gun Club  
 78 The Commercial  
     Bank of Cham-  
     paign  
     \* First  
 101-107 Reliable Furni-  
     ture Co  
 102 W B Keusink  
 104 E A Eichhorst  
 104 ½ Mrs Daisy Lun-

## S MARKET ST 1937

**MARKET—SOUTH**

(From 33 E University  
av south to Springfield  
av)

126 Guy W Staner Seed  
House

126½ Vacant

131 Vacant

132-134 Beatrice Cream-  
ery Co

\* Logan

202-204 Eisner Gro Co

206-208 Champaign Stor-  
age & Warehouse  
Co

University Whole-  
sale Gro Co

210-212 Eisner Gro Co  
Garage

214 Stewart Machine  
Shop

Tony's Auto Repair  
Shop

215 Rogers Plumbing &  
Heating Co Ware-  
house

234 Mrs Cath Scheurich\*  
Mrs Ollie A Fox

235 Brownfield Welding  
Shop

Max Ely

\* Marshall

302-306 Champ Junk Co

303 O L Brown

303½ C W Whealon  
Elwin Huston

308 Weeden's Wrecking  
Yard

\* Jefferson

E LOGAN ST 1934

**LOGAN**

(From 200 S Nell southeast to First)

9-11 Battery Service Co

14 Claudin Welding Shop

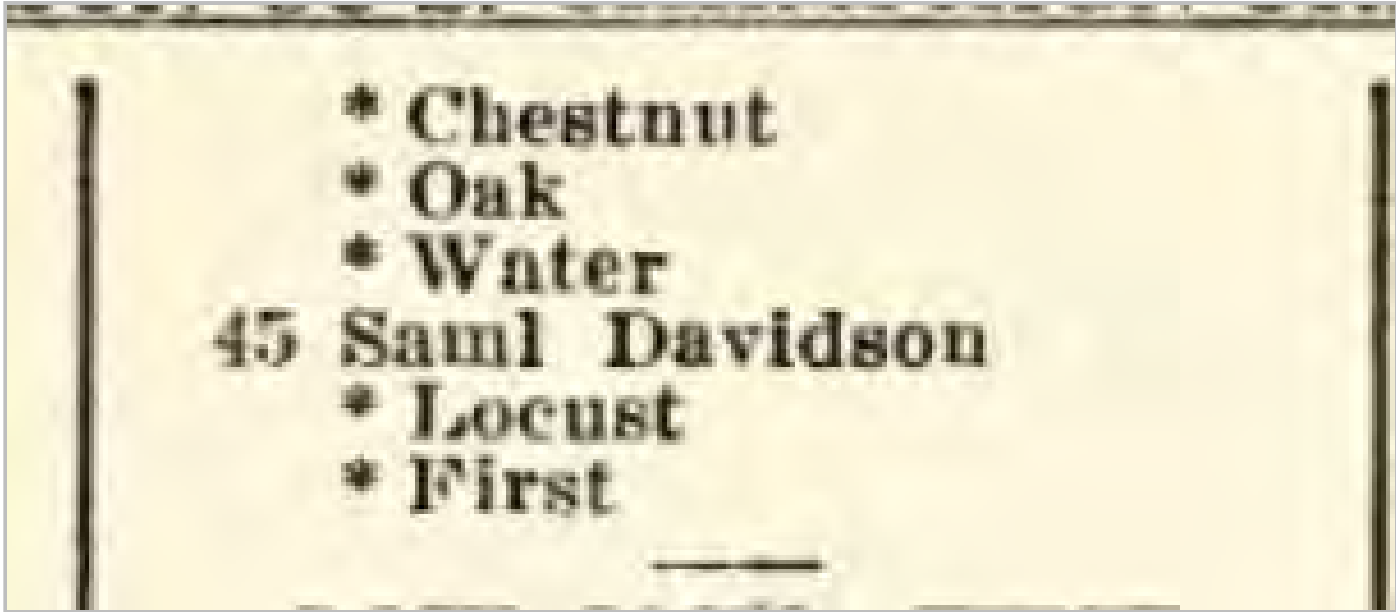
16 Miles M Spencer Garage

18 Pinkie's Welding Shop

Tempel Garage

\* Market

**E LOGAN ST      1934**



✓

-

**E UNIVERSITY AVE      1934**

**UNIVERSITY AV—EAST**

(From 100 Neil east to  
Wright)

- 4-10 Fire Department  
 9 Main Cafe  
     Jas Kioutas  
 11 Hughes-Krabbe Co  
 11½ Dr T M Eade  
 15 Art Moore's Tire Shop  
     Art Moore  
     Chuck's Place  
 15½ L L Benjamin  
     Mrs Gail Reik  
     Mrs Estella Benjamin  
     \* Walnut  
 17 Bongart's Drug Store  
     Inman Hotel Barber  
     Shop  
 19-21 Inman Hotel  
     Kiwanis Club  
 39 Ill Terminal Railroad  
     Depot  
     Ill Terminal Express  
     Co  
 39-41 Illinois Traction  
     Bldg  
     Equitable Life Assur-  
     ance Society of the  
     U S 203  
     Green & Palmer 209  
     G R McComb  
     M G Hoagland 211  
     John W Stipes 211  
     Illinois Gasoline Sup-  
     ply Co 304  
     \* Market  
 40 H E Daniels Sales &  
     Service  
 41 Illinois Power & Light  
     Corp

✓

-

**E UNIVERSITY AVE      1934**

43 W M Glotfelty  
Great Eastern Bus Line  
Terminal Cab Co  
University Cab Co  
Red Top Cab Co

44 Phil Welsh

48 Interstate Lunch Room  
\* Oak

60 National Consumers  
Oil Co

61 Kimbrell Tire Shop  
\* Water

65 C E McFarland  
C J Christman  
U and I Beauty Parlor  
Mrs E Courtney Bills

67 Champaign Cycle Serv

69 Kruse Auto Works

70 Harris Radio Shop

70½ Vacant

71 Review Publishing Co  
Citizens Keely News

72 The Hub Clothing  
Store

73 University Lunch

74 Headquarters Co B 130  
Inf U S Army

75 Grove's Barber Shop

76 The Trading Post

77 Edelweiss Distributing  
Co

78 The Commercial Bank  
of Champaign  
\* First

101-107 Reliable Furniture  
Co

102 Mrs Helen K McGraw

104 E A Eichhorst

104½ L A Bateman

106 Vacant

108 The Smoke Shop

108½ A C Merrifield

109 Reliable Furniture  
Exchange

110 Greenman Bros

110½ Vacant

111 A W Deach

112 Ross Drug Store  
P O Sub Station No 1

112½ Wm J McFadden

113-115 Champaign Ice  
Cream Div  
Beatrice Meadow Gold  
Dairies Inc

114 Great A & P Tea Co

114½ Miss Gussie Haring

115½ John Barbee

116 Lucas & Moore

116½ Vacant

117 Dust & Thompson Fur-  
niture Store

## S MARKET ST 1934

## MARKET—SOUTH

(From 33 E University av  
south to Springfield av)

126 Guy W Stanner Seed  
House

126½ Milton Hammer

131 Vacant

132-134 Beatrice Creamery  
Co

\* Logan

202-204 Eisner Grocery Co

210 Frank Coal Co

212 Eisner Grocery Co Gar-  
age

214 Tony's Auto Repair  
Shop

The Service Machine  
Shop

215 Vacant

234 Mrs Cath Scheurich  
Mrs Ollie A Fox

235 Brownfield Welding  
Shop

Frisbie's Garage

Max Ely

\* Marshall

302-306 Champaign Junk  
Co

303 John Gilbert

303½ W H Jones

\* Jefferson

\* Springfield av

# Appendix E. EDR Aerial Photograph Report





**Illinois Terminal**

101 S MARKET ST

CHAMPAIGN, IL 61820

Inquiry Number: 6124595.8

July 17, 2020

## The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Aerial Photo Decade Package

07/17/20

**Site Name:**

Illinois Terminal  
101 S MARKET ST  
CHAMPAIGN, IL 61820  
EDR Inquiry # 6124595.8

**Client Name:**

HDR Engineering, Inc.  
1 International Boulevard, 10th Floor  
Manwah, NJ 07495  
Contact: Matthew T Keaveney



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

## Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
2005	1"=500'	Acquisition Date: April 14, 2005	USGS/DOQQ
1998	1"=500'	Flight Date: April 11, 1998	USGS
1993	1"=750'	Flight Date: April 04, 1993	USGS
1988	1"=500'	Flight Date: April 14, 1988	USGS
1983	1"=500'	Flight Date: April 20, 1983	NHAP
1975	1"=500'	Flight Date: September 14, 1975	USGS
1969	1"=500'	Flight Date: October 21, 1969	USGS
1955	1"=500'	Flight Date: June 16, 1955	USGS
1948	1"=500'	Flight Date: July 31, 1948	USGS
1940	1"=500'	Flight Date: June 19, 1940	USDA

**When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.**

### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

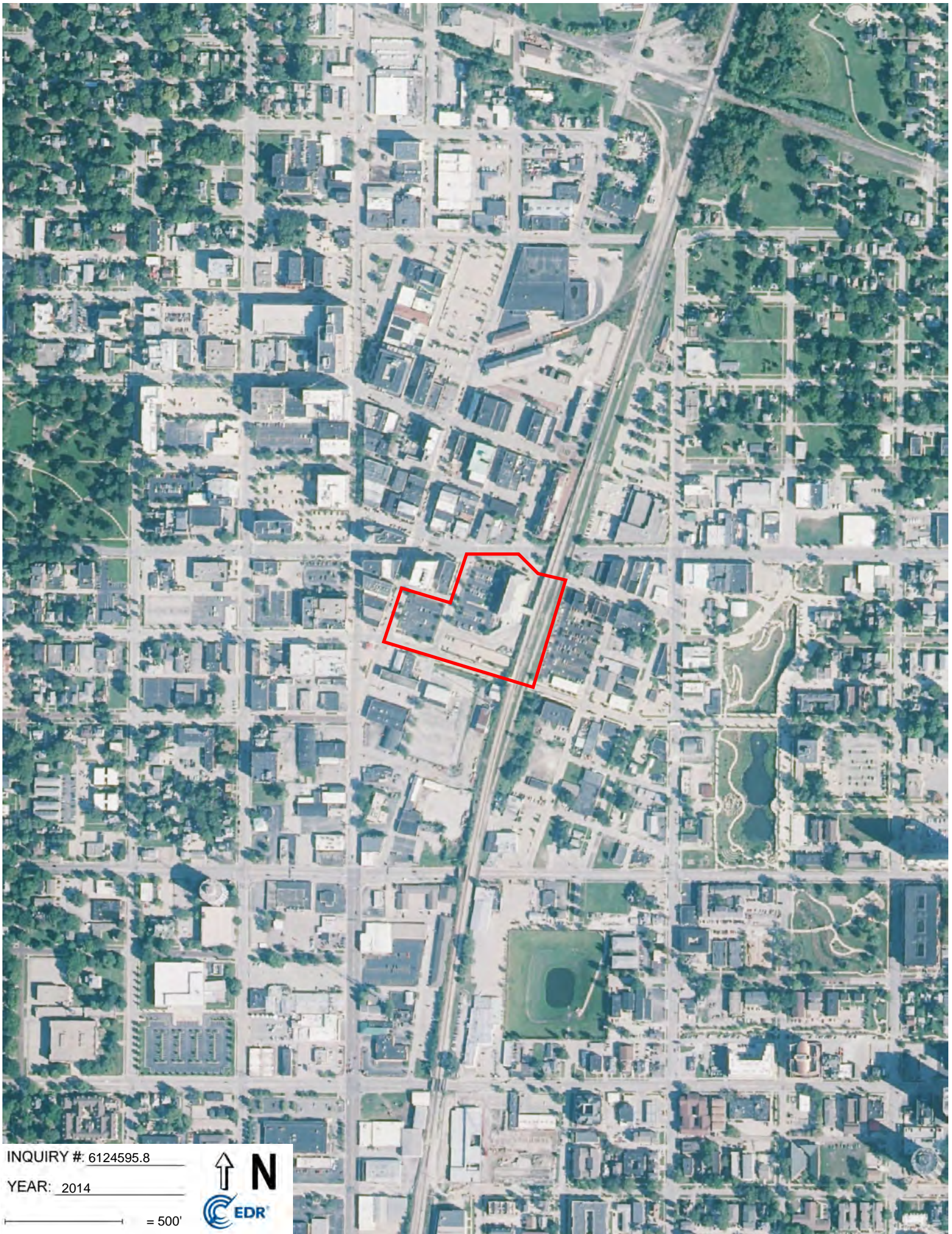


INQUIRY #: 6124595.8

YEAR: 2017

— = 500'





INQUIRY #: 6124595.8

YEAR: 2014

— = 500'





INQUIRY #: 6124595.8

YEAR: 2011

— = 500'





INQUIRY #: 6124595.8

YEAR: 2007

— = 500'





INQUIRY #: 6124595.8

YEAR: 2005

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 6124595.8

YEAR: 1998

— = 500'





INQUIRY #: 6124595.8

YEAR: 1993

————— = 750'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 6124595.8

YEAR: 1988

— = 500'



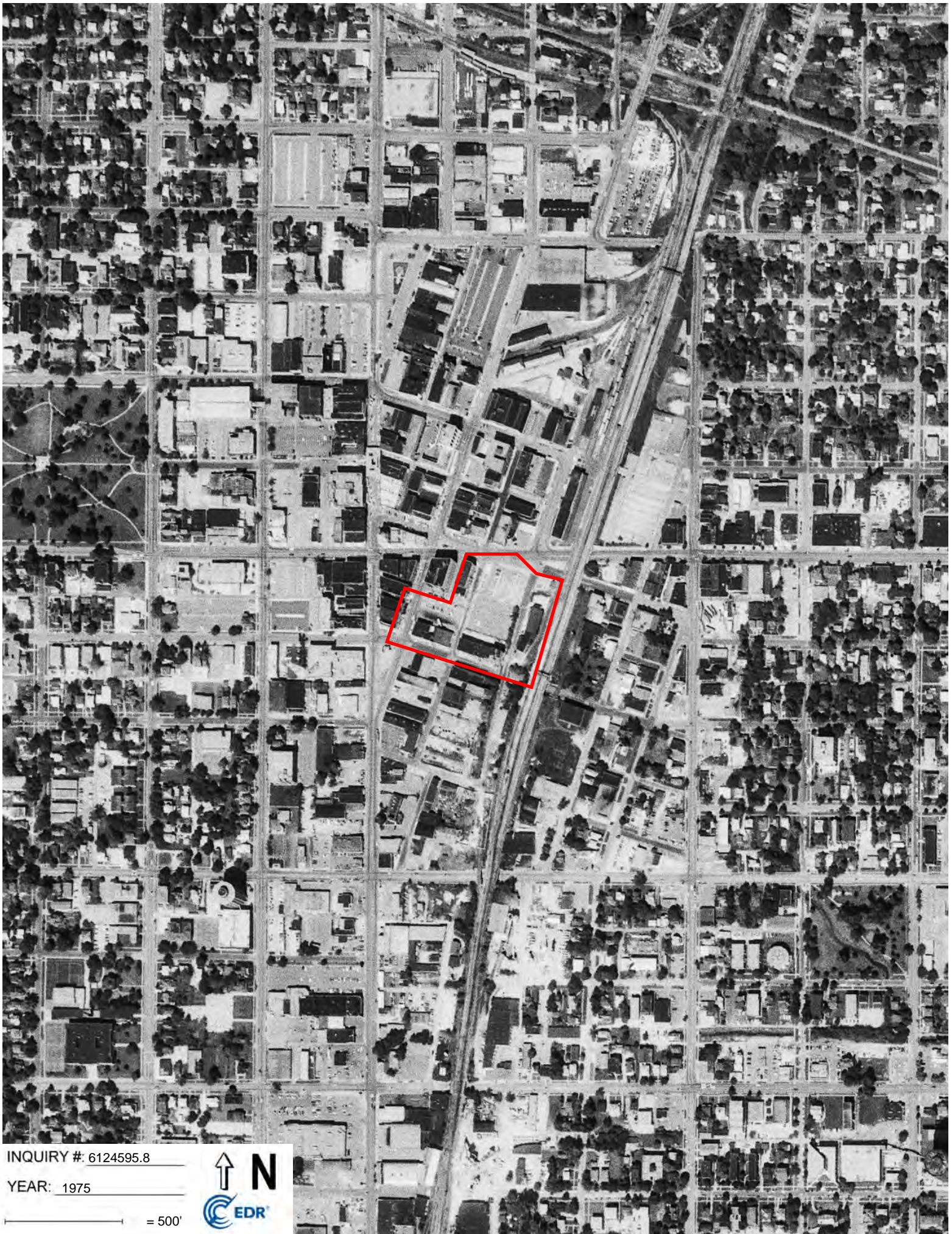


INQUIRY #: 6124595.8

YEAR: 1983

— = 500'





INQUIRY #: 6124595.8

YEAR: 1975

— = 500'



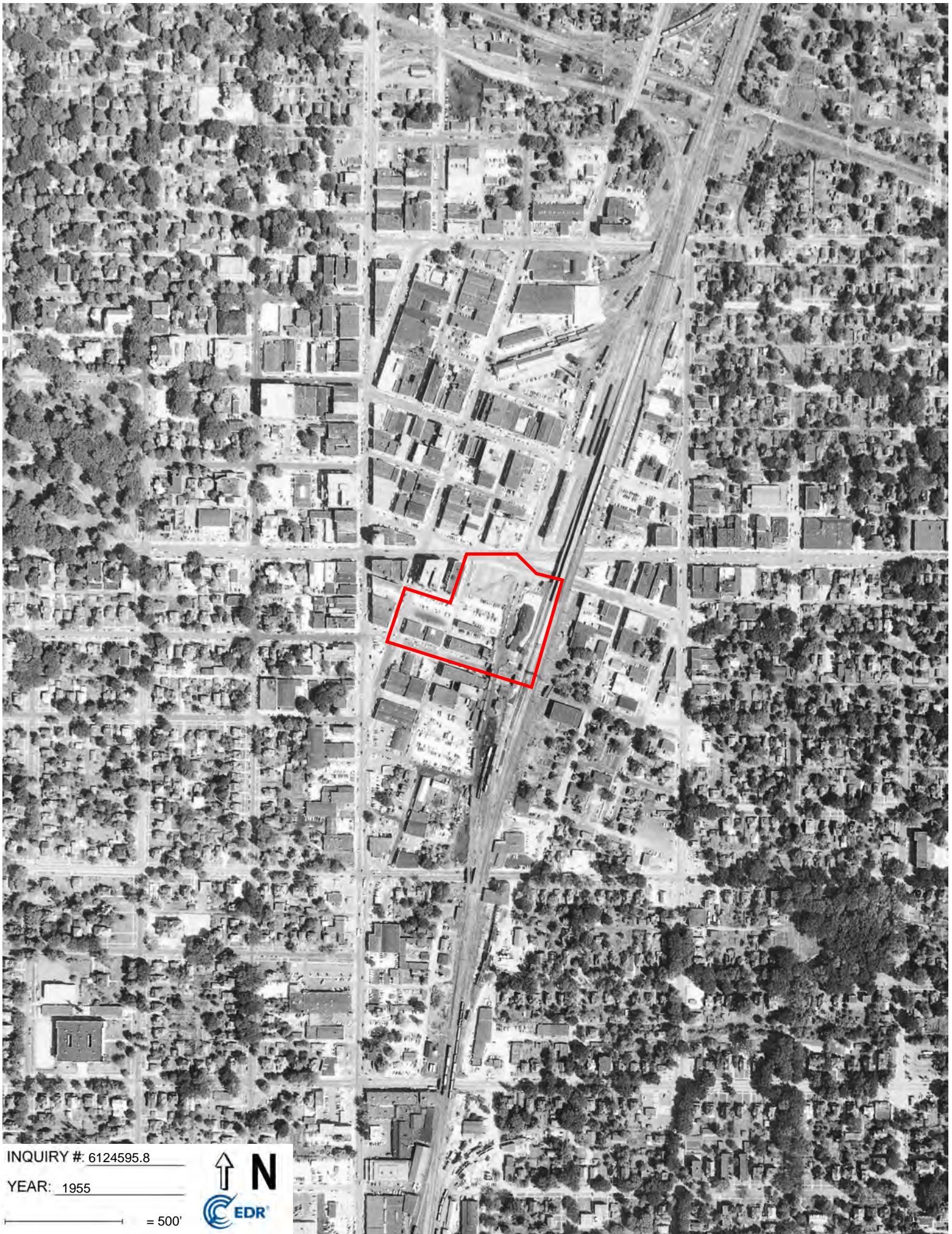


INQUIRY #: 6124595.8

YEAR: 1969

— = 500'



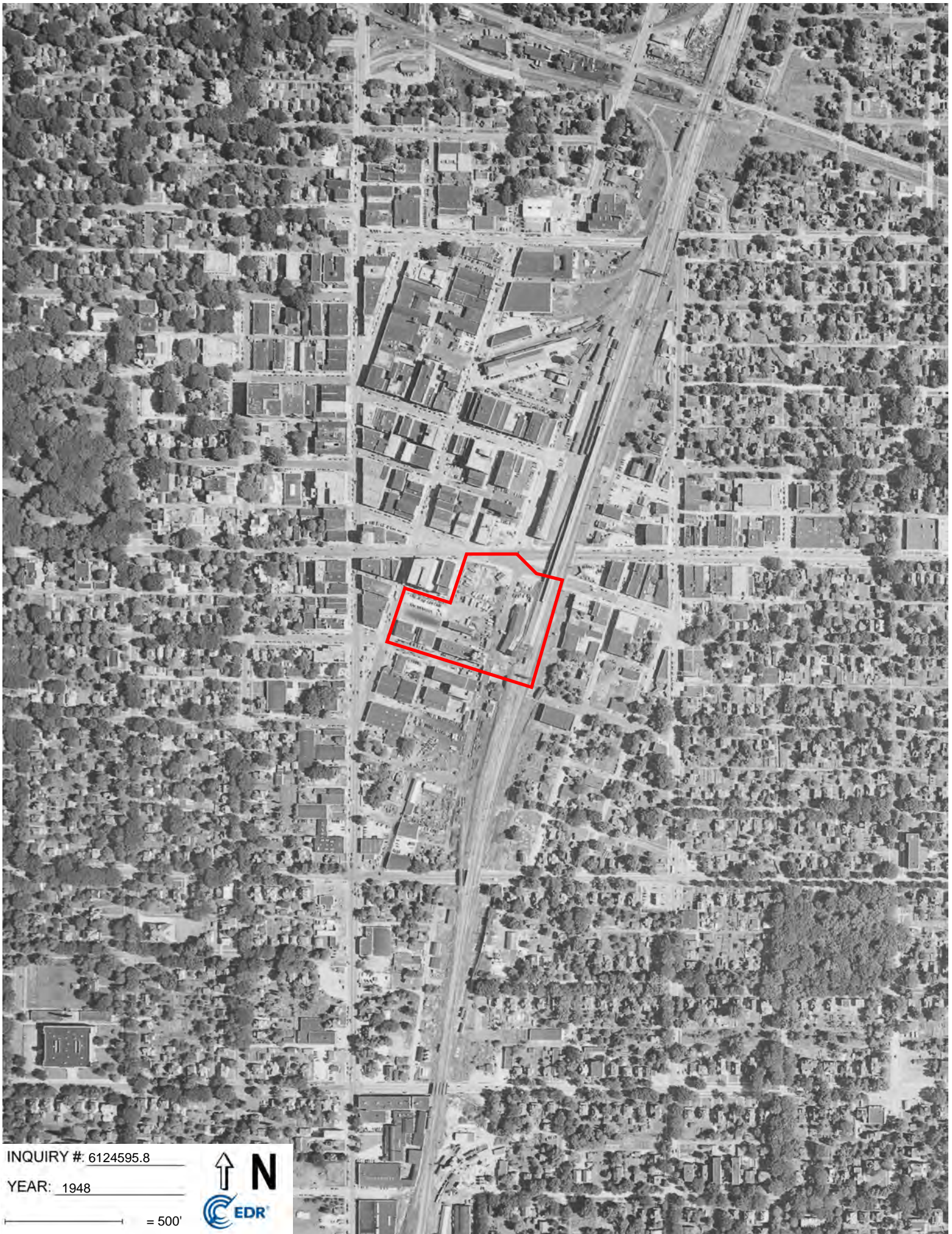


INQUIRY # 6124595.8

YEAR: 1955

— = 500'





INQUIRY #: 6124595.8

YEAR: 1948

— = 500'





INQUIRY #: 6124595.8

YEAR: 1940

— = 500'



# Appendix F. EDR Topographic Map Report



Illinois Terminal  
101 S MARKET ST  
CHAMPAIGN, IL 61820

Inquiry Number: 6124595.4

July 17, 2020

# EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topo Map Report

07/17/20

**Site Name:**

Illinois Terminal  
101 S MARKET ST  
CHAMPAIGN, IL 61820  
EDR Inquiry # 6124595.4

**Client Name:**

HDR Engineering, Inc.  
1 International Boulevard, 10th Floor  
Manwah, NJ 07495  
Contact: Matthew T Keaveney



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by HDR Engineering, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

**Search Results:****Coordinates:**

<b>P.O.#</b>	NA	<b>Latitude:</b>	40.115798 40° 6' 57" North
<b>Project:</b>	Illinois Terminal Expansion	<b>Longitude:</b>	-88.241684 -88° 14' 30" West
		<b>UTM Zone:</b>	Zone 16 North
		<b>UTM X Meters:</b>	394188.06
		<b>UTM Y Meters:</b>	4441348.62
		<b>Elevation:</b>	737.00' above sea level

**Maps Provided:**

2012  
1998  
1975  
1970  
1957  
1944  
1906, 1907

**Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

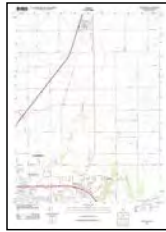
### 2012 Source Sheets



Urbana  
2012  
7.5-minute, 24000



Rising  
2012  
7.5-minute, 24000

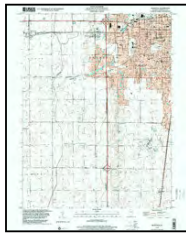


Thomasboro  
2012  
7.5-minute, 24000

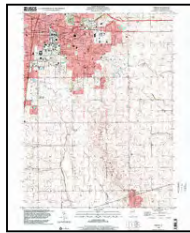


Bondville  
2012  
7.5-minute, 24000

### 1998 Source Sheets



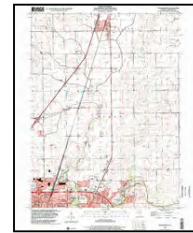
Bondville  
1998  
7.5-minute, 24000  
Aerial Photo Revised 1998



Urbana  
1998  
7.5-minute, 24000  
Aerial Photo Revised 1998

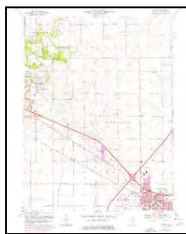


Rising  
1998  
7.5-minute, 24000  
Aerial Photo Revised 1998

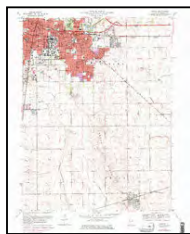


Thomasboro  
1998  
7.5-minute, 24000  
Aerial Photo Revised 1998

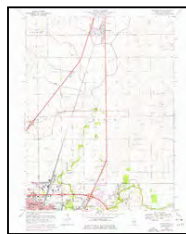
### 1975 Source Sheets



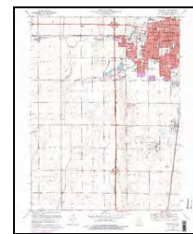
Rising  
1975  
7.5-minute, 24000  
Aerial Photo Revised 1975



Urbana  
1975  
7.5-minute, 24000  
Aerial Photo Revised 1975



Thomasboro  
1975  
7.5-minute, 24000  
Aerial Photo Revised 1975

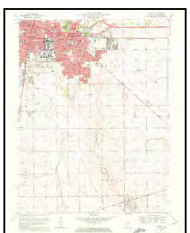


Bondville  
1975  
7.5-minute, 24000  
Aerial Photo Revised 1975

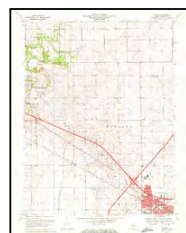
### 1970 Source Sheets



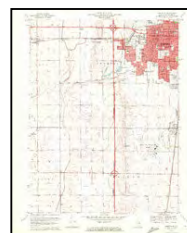
Thomasboro  
1970  
7.5-minute, 24000  
Aerial Photo Revised 1969



Urbana  
1970  
7.5-minute, 24000  
Aerial Photo Revised 1969



Rising  
1970  
7.5-minute, 24000  
Aerial Photo Revised 1969



Bondville  
1970  
7.5-minute, 24000  
Aerial Photo Revised 1969

## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

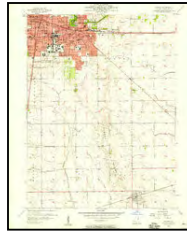
### 1957 Source Sheets



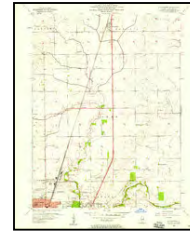
Bondville  
1957  
7.5-minute, 24000  
Aerial Photo Revised 1954



Rising  
1957  
7.5-minute, 24000  
Aerial Photo Revised 1954



Urbana  
1957  
7.5-minute, 24000  
Aerial Photo Revised 1955



Thomasboro  
1957  
7.5-minute, 24000  
Aerial Photo Revised 1955

### 1944 Source Sheets



Urbana  
1944  
15-minute, 62500

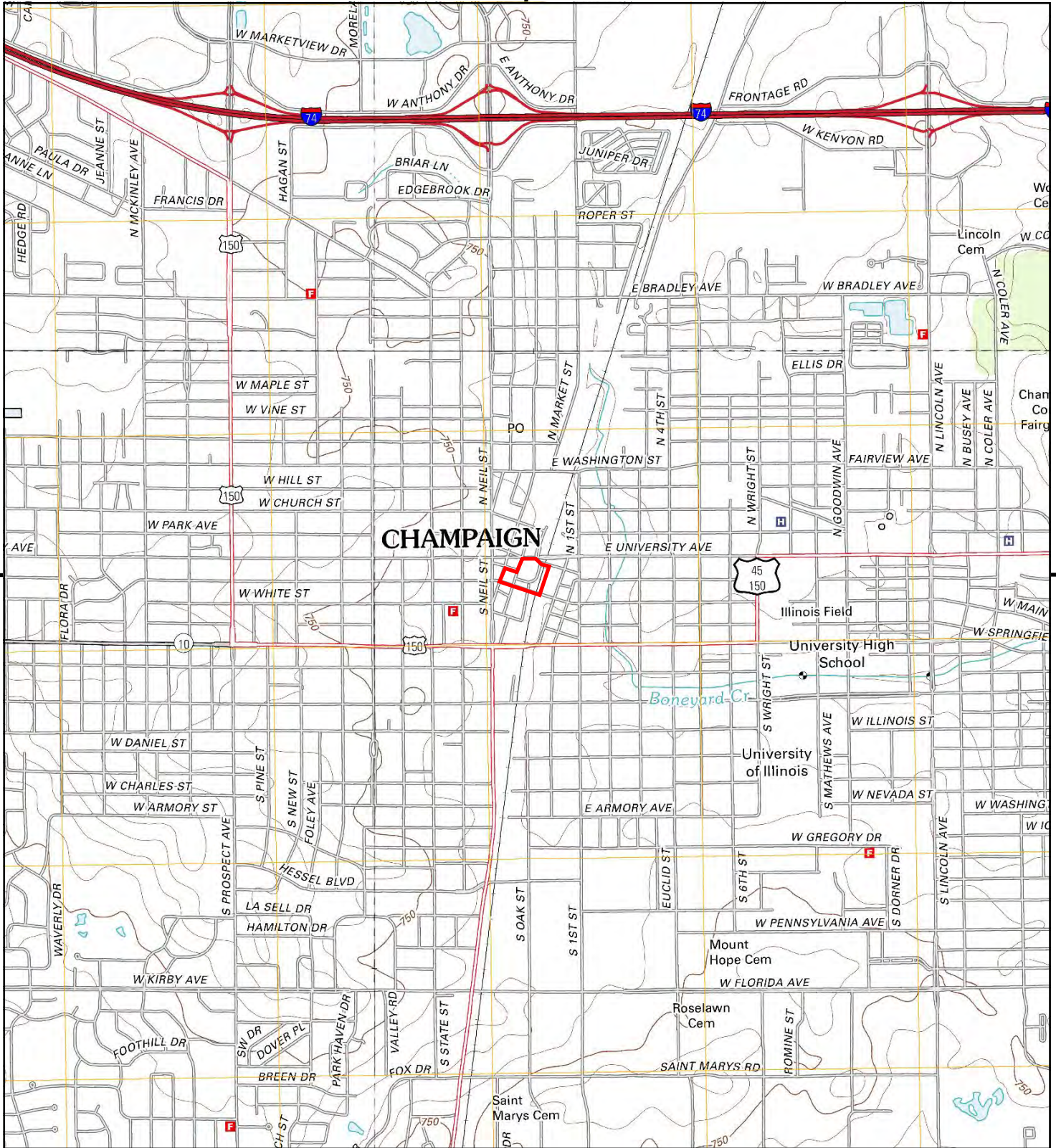
### 1906, 1907 Source Sheets



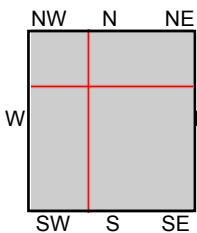
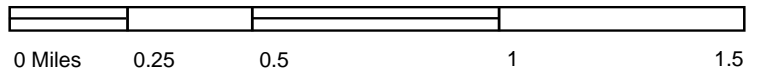
Urbana  
1906  
15-minute, 62500



Mahomet  
1907  
15-minute, 62500



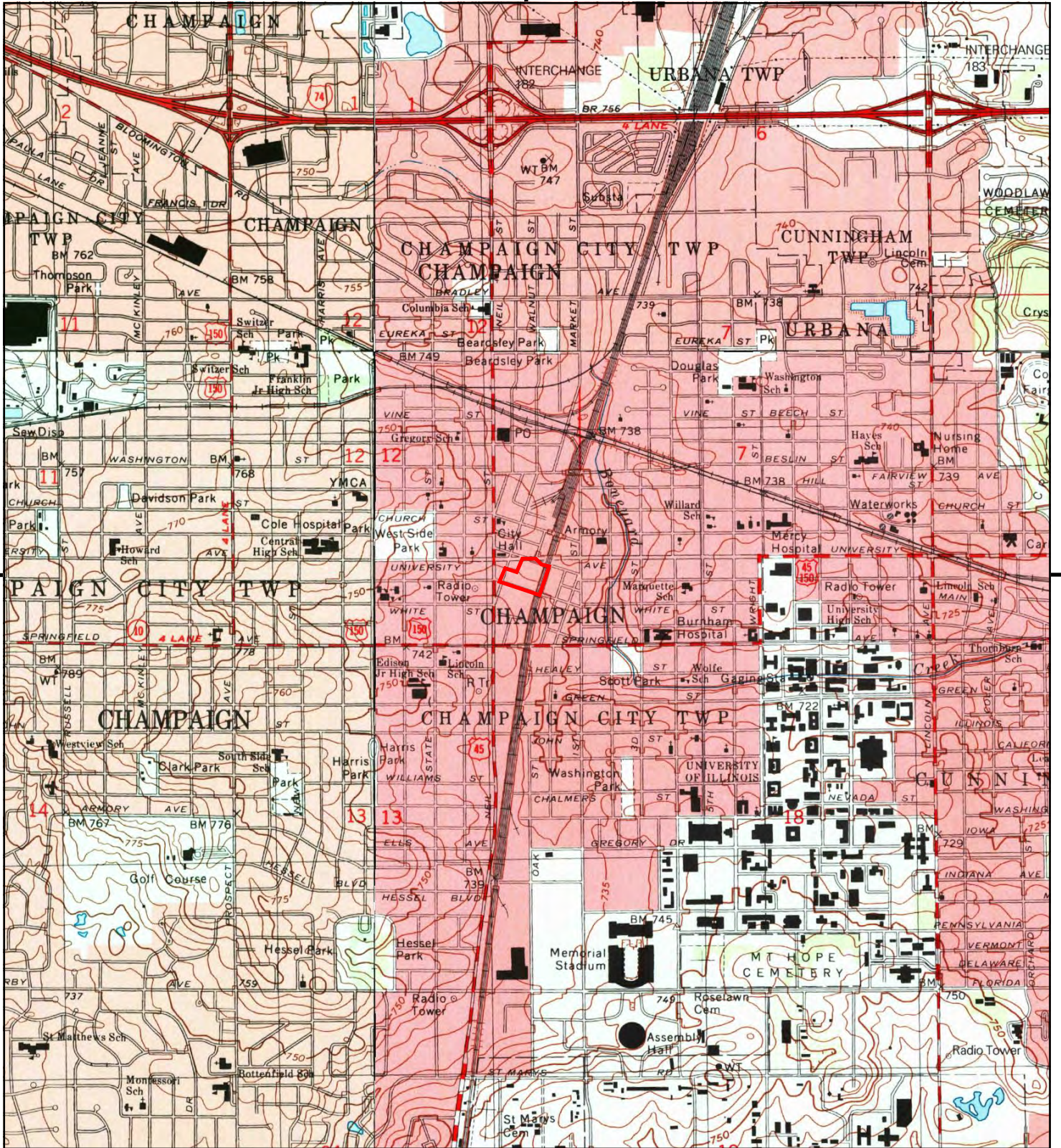
This report includes information from the following map sheet(s).



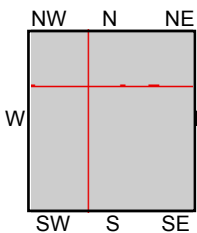
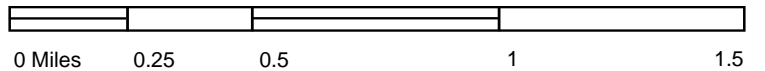
TP, Urbana, 2012, 7.5-minute  
 NE, Thomasboro, 2012, 7.5-minute  
 SW, Bondville, 2012, 7.5-minute  
 NW, Rising, 2012, 7.5-minute

**SITE NAME:** Illinois Terminal  
**ADDRESS:** 101 S MARKET ST  
 CHAMPAIGN, IL 61820  
**CLIENT:** HDR Engineering, Inc.





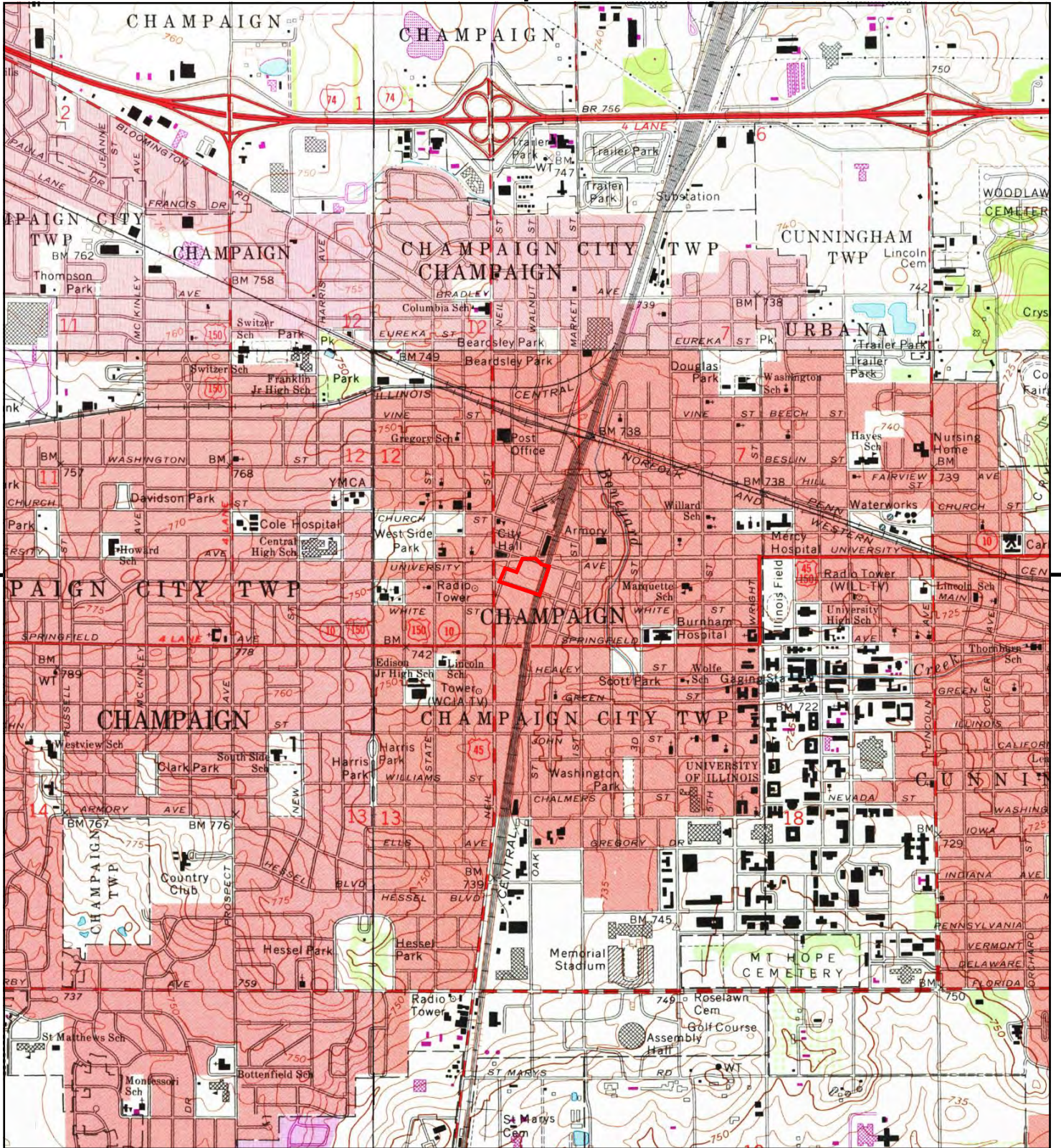
This report includes information from the following map sheet(s).



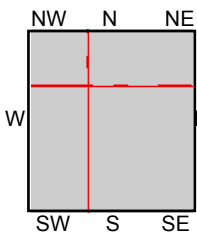
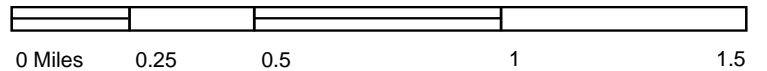
TP, Urbana, 1998, 7.5-minute  
 NE, Thomasboro, 1998, 7.5-minute  
 SW, Bondville, 1998, 7.5-minute  
 NW, Rising, 1998, 7.5-minute

SITE NAME: Illinois Terminal  
 ADDRESS: 101 S MARKET ST  
 CHAMPAIGN, IL 61820  
 CLIENT: HDR Engineering, Inc.





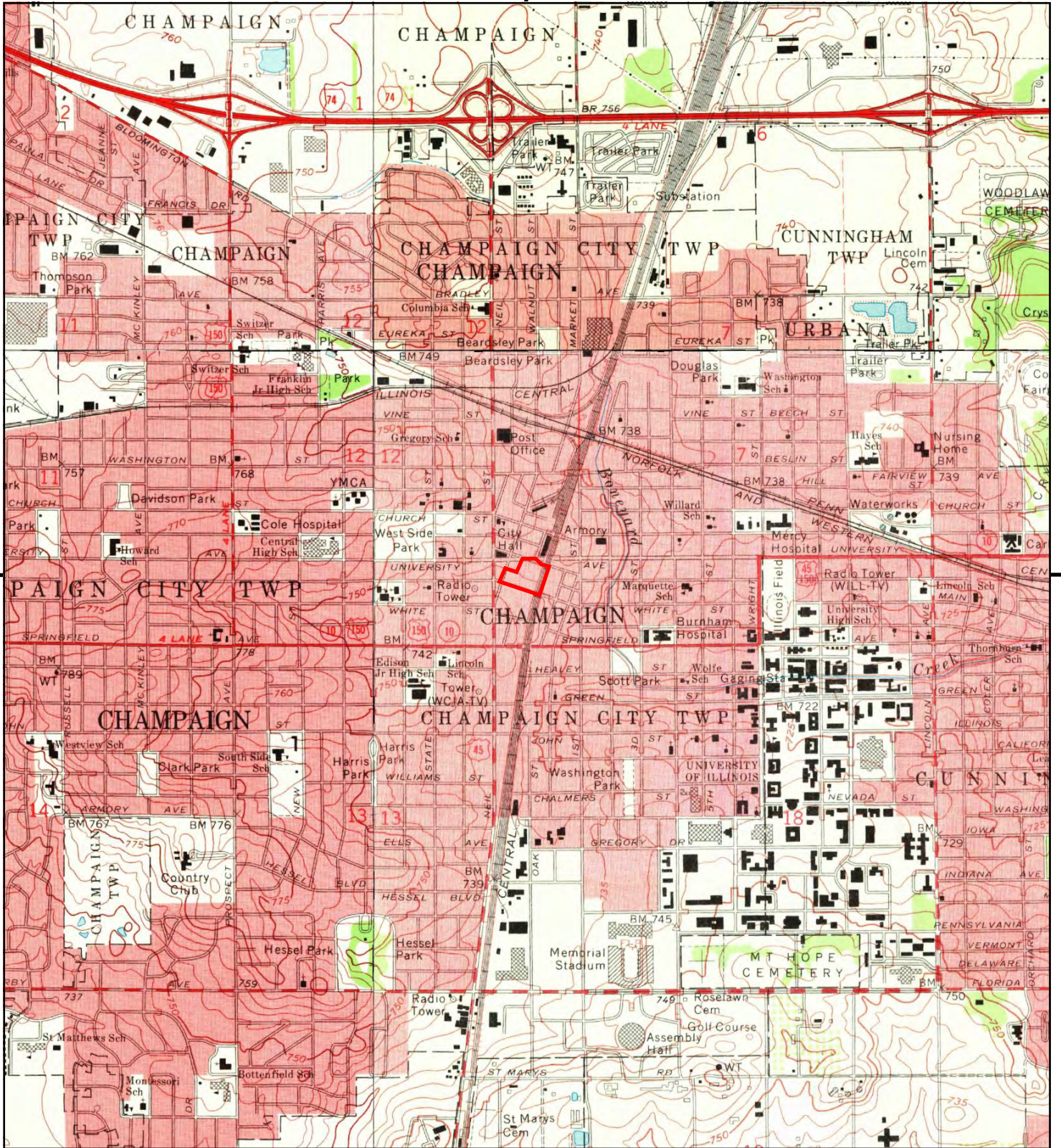
This report includes information from the following map sheet(s).



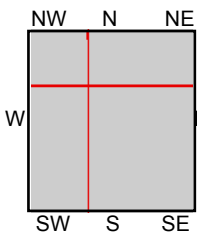
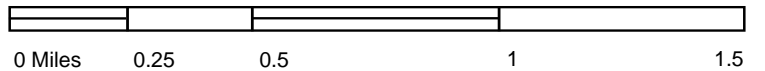
TP, Urbana, 1975, 7.5-minute  
 NE, Thomasboro, 1975, 7.5-minute  
 SW, Bondville, 1975, 7.5-minute  
 NW, Rising, 1975, 7.5-minute

**SITE NAME:** Illinois Terminal  
**ADDRESS:** 101 S MARKET ST  
 CHAMPAIGN, IL 61820  
**CLIENT:** HDR Engineering, Inc.





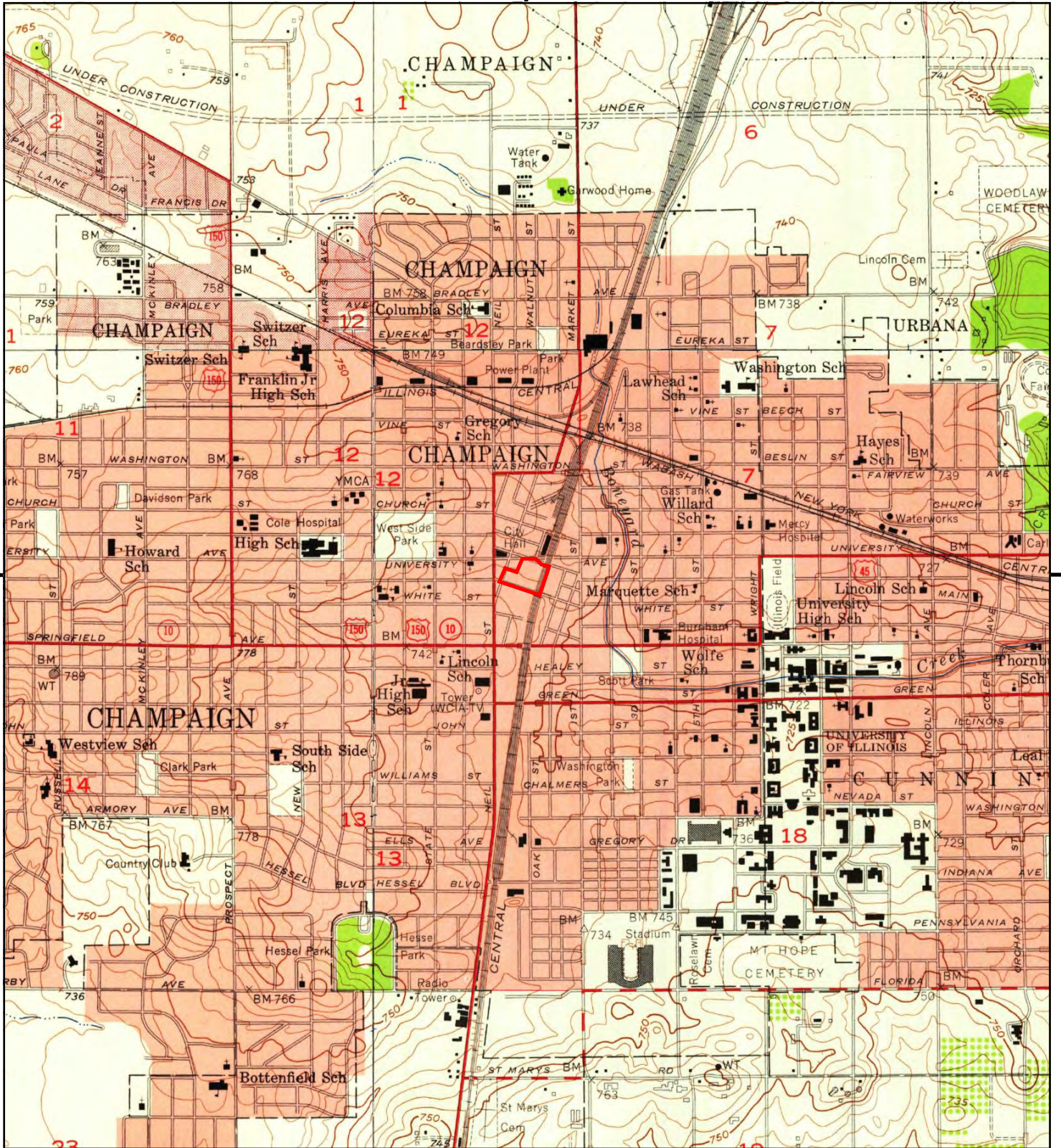
This report includes information from the following map sheet(s).



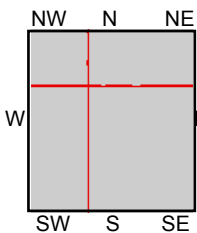
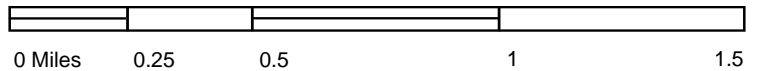
TP, Urbana, 1970, 7.5-minute  
 NE, Thomasboro, 1970, 7.5-minute  
 SW, Bondville, 1970, 7.5-minute  
 NW, Rising, 1970, 7.5-minute

SITE NAME: Illinois Terminal  
 ADDRESS: 101 S MARKET ST  
 CHAMPAIGN, IL 61820  
 CLIENT: HDR Engineering, Inc.





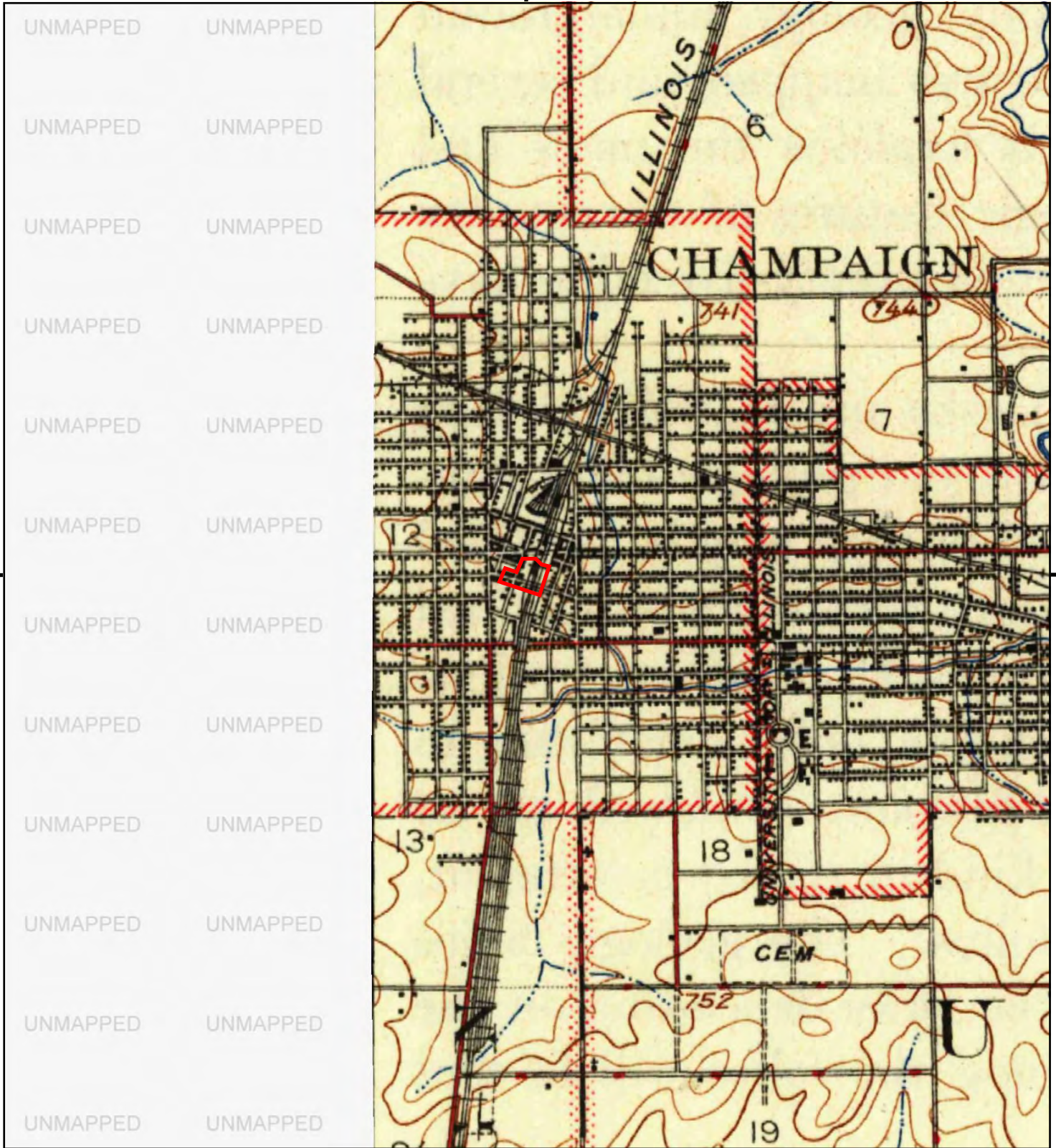
This report includes information from the following map sheet(s).



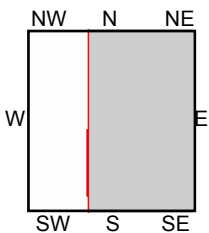
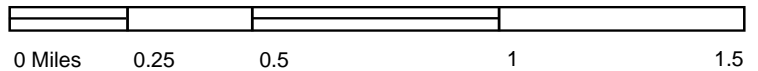
TP, Urbana, 1957, 7.5-minute  
 NE, Thomasboro, 1957, 7.5-minute  
 SW, Bondville, 1957, 7.5-minute  
 NW, Rising, 1957, 7.5-minute

SITE NAME: Illinois Terminal  
 ADDRESS: 101 S MARKET ST  
 CHAMPAIGN, IL 61820  
 CLIENT: HDR Engineering, Inc.





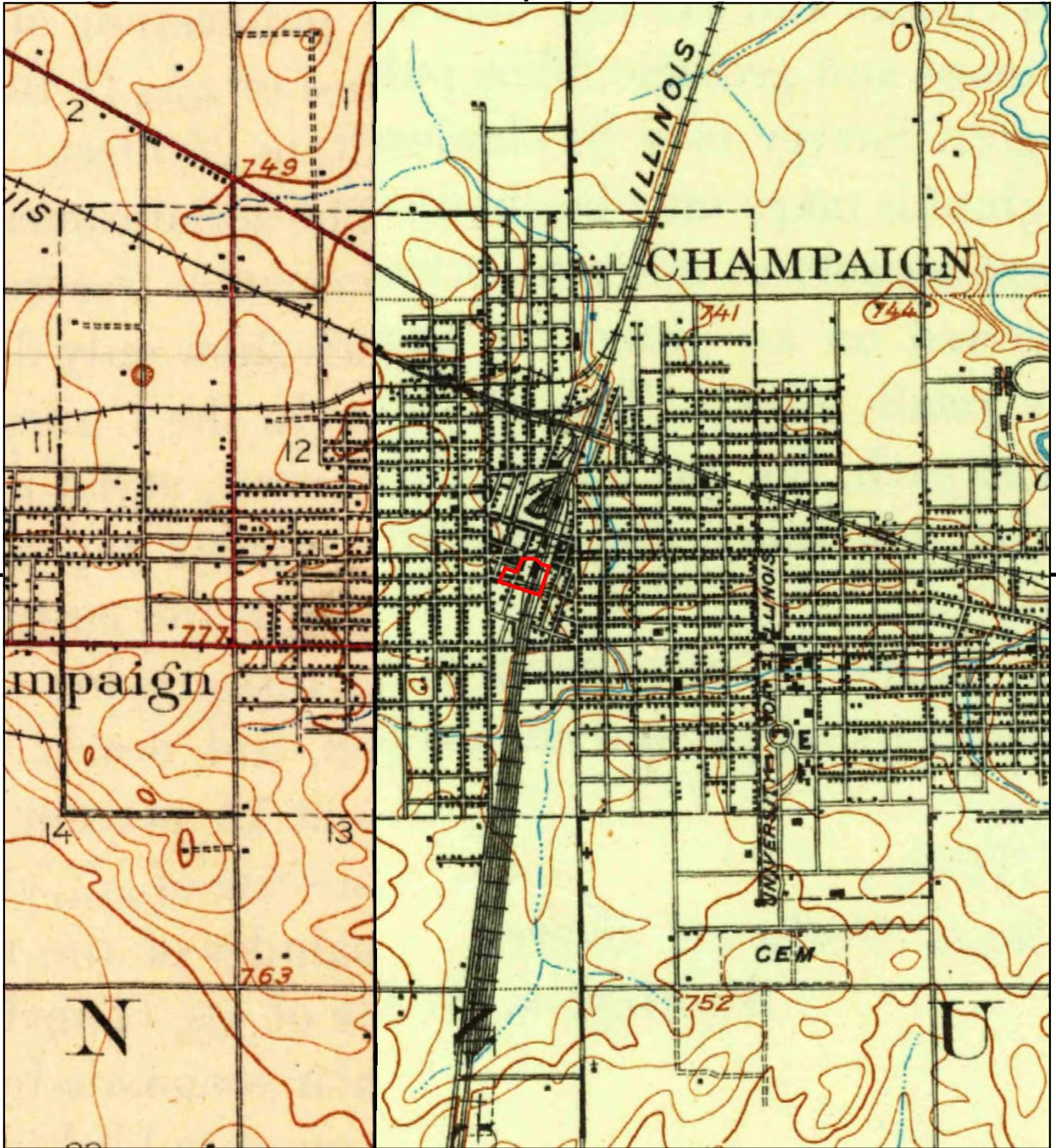
This report includes information from the following map sheet(s).



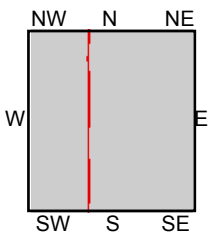
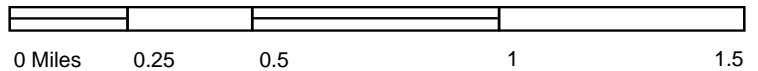
TP, Urbana, 1944, 15-minute

SITE NAME: Illinois Terminal  
 ADDRESS: 101 S MARKET ST  
 CHAMPAIGN, IL 61820  
 CLIENT: HDR Engineering, Inc.





This report includes information from the following map sheet(s).



TP, Urbana, 1906, 15-minute  
W, Mahomet, 1907, 15-minute

SITE NAME: Illinois Terminal  
ADDRESS: 101 S MARKET ST  
CHAMPAIGN, IL 61820  
CLIENT: HDR Engineering, Inc.





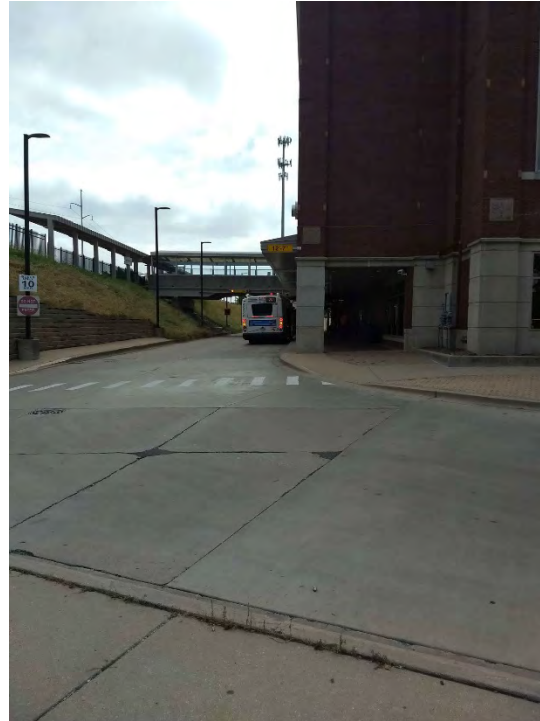
# Appendix G. Site Photographs



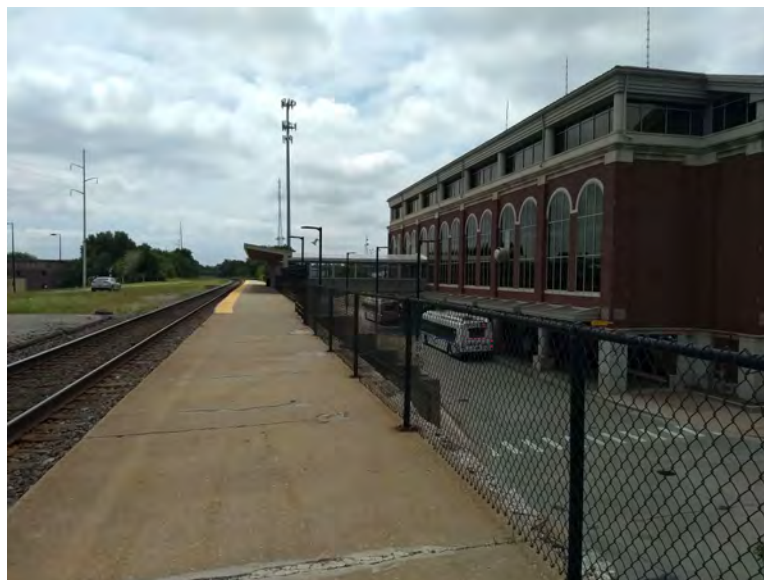
**Photograph 1. Illinois Terminal Parcel with University & Market Municipal Parking Lot in the foreground, and the Railroad ROW Parcel in the background. View toward the southeast from South Market Street.**



**Photograph 2. The southern portion of the Illinois Terminal Parcel. Lot Logan & Market is on the right side of the photo. View is toward the southeast from South Market Street.**



**Photograph 3. The northern portion of Illinois Terminal Parcel at the location where buses enter the station. Note the pedestrian bridge leading from Illinois Terminal to the train platform on the Railroad ROW Parcel. View toward the south from East Chester Street.**



**Photograph 4. The train platform at the Railroad ROW parcel. Illinois Terminal Parcel is on the right side of the fence. View toward the south.**



**Photograph 5. Natural gas boilers used to heat the Illinois Terminal building.**



**Photograph 6. Machinery responsible for the operation of the hydraulic elevators in the building.**



**Photograph 7. Lot Logan & Market parcel. View toward the southeast.**



**Photograph 8. Ice tanks located in the southeastern corner of the Illinois Terminal.**



**Photograph 9. Gasoline and oil containers stored in the shed in the southeastern corner of Illinois Terminal.**



# Phase II Environmental Site Assessment

Illinois Terminal Expansion

Prepared for Champaign-Urbana Mass Transit  
District

*City of Champaign, Champaign County, State of Illinois*  
March 19, 2021





## Contents

1	Introduction .....	1
1.1	Description of Recognized Environmental Conditions .....	1
2	Environmental Sampling Activities .....	5
3	Environmental Sampling Results .....	6
3.1	Soil.....	6
3.1.1	Field Screening Results .....	6
3.1.2	Non-Detections in Soil.....	7
3.1.3	SVOC Compounds in Soil.....	7
3.1.4	Metals.....	10
4	Conclusions and Recommendations.....	13
4.1	Conclusions .....	13
4.2	Recommendations .....	14
5	References .....	14

## Tables

Table 1.	Soil Boring Summary .....	5
Table 2.	Summary of SVOCs in Soil.....	8
Table 3.	Summary of Metals in Soil .....	12
Table 4.	Summary of Metals in Soil Exceeding pH Specific Soil Component of Groundwater Ingestion Exposure Route Values.....	13

## Figures

Figure 1.	Site Location Map .....	3
Figure 2.	Site Detail Map.....	4

## Appendices

Appendix A.	Photograph Log .....	A-1
Appendix B.	Soil Boring Logs.....	B-1
Appendix C.	Laboratory Results .....	C-1

*This page is intentionally left blank.*

# 1 Introduction

HDR has conducted a Phase II Environmental Site Assessment (Phase II ESA) for the Illinois Terminal Expansion Project (“Project”) located in Champaign, Illinois for Champaign-Urbana Mass Transit District (CUMTD). Figure 1 provides the Project Location map.

The proposed Project footprint (“Subject Property”) consists of the entirety of four tax parcels, a portion of a railroad right-of-way (ROW), a landscaped area in its northern portion, and a portion of South Market Street, all of which reside in the City of Champaign, Champaign County, Illinois (Section 12, Township 19N, Range 8E). The Subject Property is approximately seven acres in area. Please refer to the Project Location Map and Site Detail Maps for further detail.

HDR completed a Phase I Environmental Site Assessment (Phase I ESA) in August 2020 which identified Recognized Environmental Conditions (RECs) in association with the Subject Property. Due to the potential for impacts determined in HDR’s August 2020 Phase I ESA, 16 soil borings were approved to further characterize and assess the RECs near the Subject Property’s proposed construction.

## 1.1 Description of Recognized Environmental Conditions

### **HISTORICAL RAILROAD OPERATIONS**

The portion of the Subject Property east of South Market Street operated historically as a railroad terminal. Several tracks had been installed and removed prior to 1924, and a single track remains in the Railroad Right-of-Way Parcel.

Railroad operations can cause contamination including semi-volatile organic compounds (SVOCs) such as creosote and pentachlorophenol (PCP) from wood preservative, volatile organic compounds (VOCs) from lubricants used to maintain trains, and heavy metals and herbicides from track maintenance. The Subject Property’s historical use as a railroad terminal is considered a REC.

### **AUTOMOBILE REPAIR GARAGES**

Three automobile repair garages have operated at the Subject Property:

- A repair garage in the northwest corner of Christie Clinic Parking Lot operated in 1924.
- A repair garage in the southwest corner of Christie Clinic Parking Lot operated between 1924 and 1958.
- A repair garage in the southeast corner of Christie Clinic Parking Lot operated between 1924 and 1974.

Automobile repair garages are commonly contaminated with petroleum hydrocarbons and VOCs from automotive fluids spilled during repairs, and leaking waste oil storage tanks. Repair garages can also be contaminated with PCBs from leaking hydraulic lifts installed after the mass manufacturing of PCBs in the United States in 1929. The historical presence of three automobile repair garages at the Subject Property is considered a REC.

#### **INDUSTRIAL HISTORY OF THE SUBJECT PROPERTY**

The Subject Property has contained several manufacturing facilities, food processing plants, and a lumber yard throughout its history:

- A blacksmith shop and wagon yard were located in the northern portion of Christie Clinic Parking Lot between 1897 and 1909.
- The southern portion of Christie Clinic Parking Lot included a machine shop, a foundry, and a tin shop between 1897 and 1937.
- A cigar factor was located in the southwest portion of Christie Clinic Parking Lot in 1915.
- A dairy plant was located in the southeast portion of Christie Clinic Parking Lot in 1915.
- Illinois Terminal Parcel and University & Market Municipal Parking Lot operated as a lumber yard between 1887 and 1924.
- National Biscuit Co. operated in the southern portion University & Market Municipal Parking Lot in 1915.
- A dairy processing plant was located in the Lot Logan & Market Parcel between 1924 and 1951.

The Subject Property may have been impacted by the industrial land use resulting in potential contamination from VOCs (from fuels, lubricants, and solvents), SVOCs (from wood preservatives and nearby combustion), and heavy metals (from manufacturing processes). The historical presence of these industrial uses is considered a REC.

#### **HISTORICAL GASOLINE AND OIL STORAGE BUILDING AT ILLINOIS TERMINAL PARCEL**

A building identified as “Gasoline and Oil Storage” was depicted on a Sanborn Map dated 1924. No additional information as to the type of petroleum storage (ASTs or USTs) associated with the building was provided by the map.

The historical presence of a gasoline and oil storage building may indicate the presence of petroleum contamination at the parcel and could be associated with the USTs removed between 1996 and 1998. The historical presence of the gasoline and oil storage building is considered a REC.

#### **HISTORICAL ABOVEGROUND STORAGE TANKS IN EASTERN PORTION OF SUBJECT PROPERTY**

Several ASTs have been located in the southeastern portion of the Subject Property since 1924 until the 1970s. It is possible that these ASTs may have leaked and contaminated the southeastern portion of the Subject Property with petroleum hydrocarbons. The historical presence of the ASTs at the Subject Property is considered a REC.

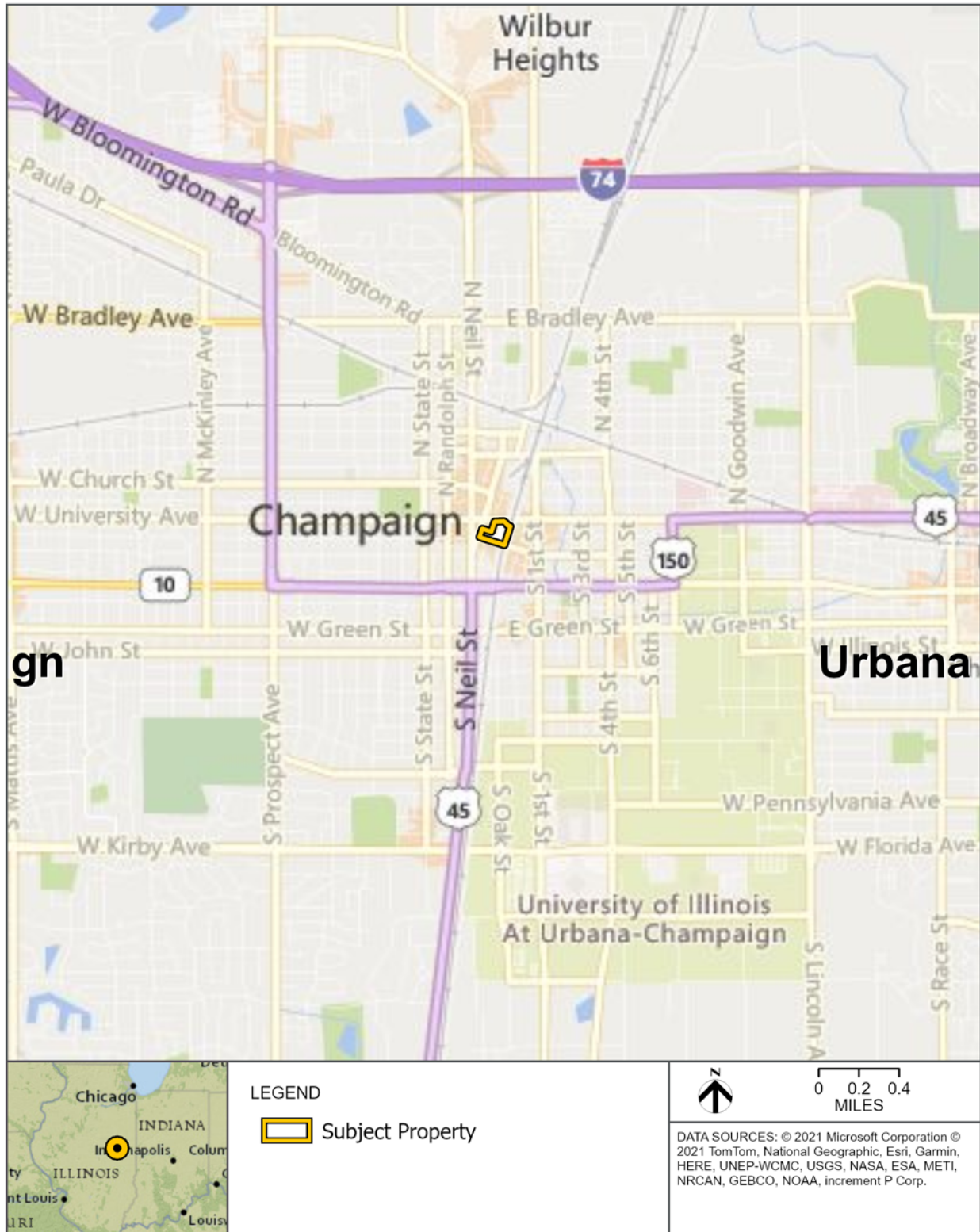


Figure 1. Site Location Map

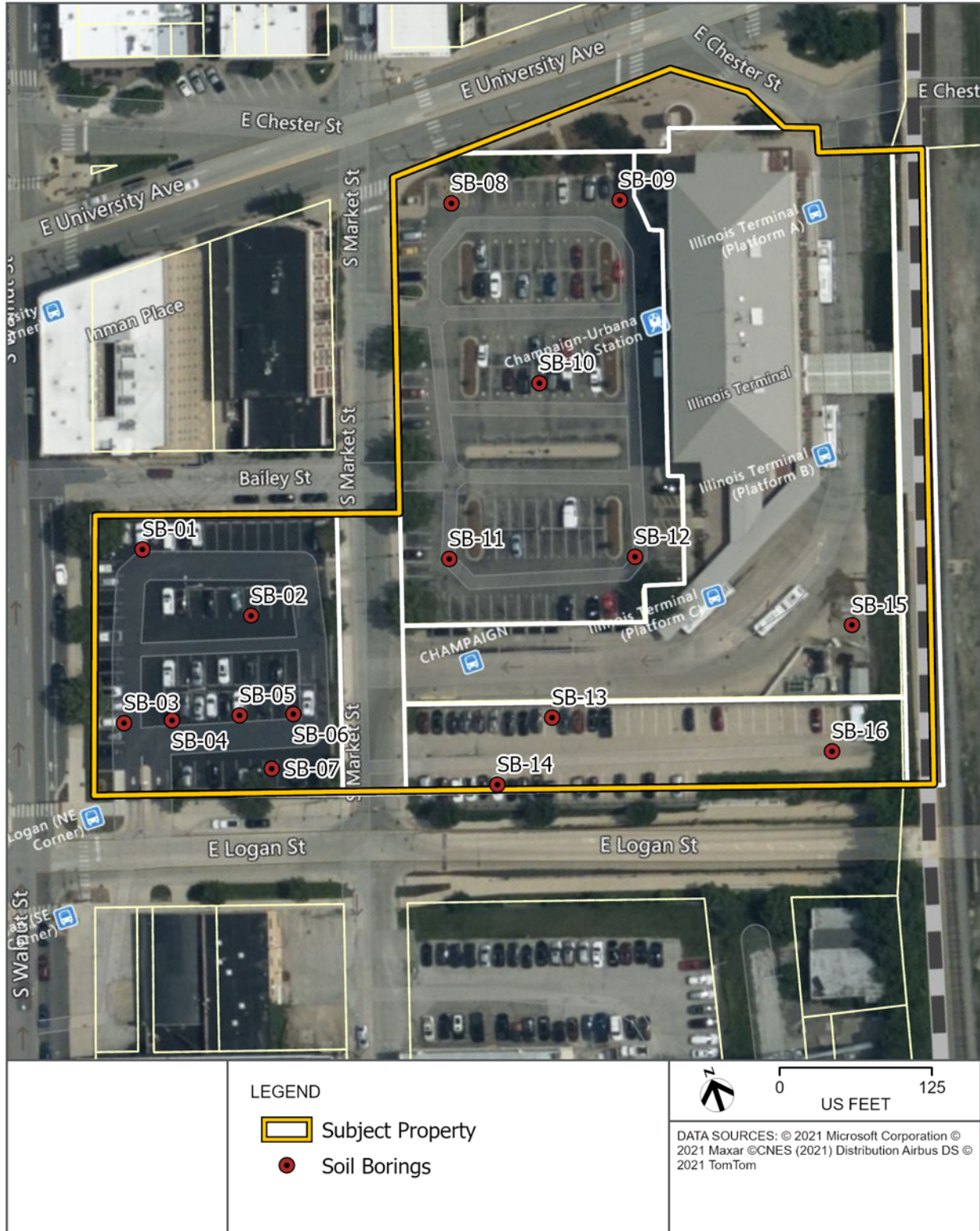


Figure 2. Site Detail Map

## 2 Environmental Sampling Activities

Sixteen soil borings were completed during the Phase II ESA; Figure 2 depicts the soil boring locations. Direct Push Analytical (DPA) of St. Charles, IL performed the drilling using a truck mounted Geoprobe Rig. DPA collected samples continuously from each borehole at 4-foot intervals using a dual tube sampling system. Soil samples were contained in acetate liners until cut open by an HDR geologist for examination, characterization, and analytical sampling. Completed boring logs are included in this report as Appendix B.

Prior to drilling, DPA screened the Subject Property with a focus on the Christie Clinic Parking Lot and the Illinois Terminal Parking Lot using ground penetrating radar (GPR) for anomalies indicative of underground storage tanks (USTs) or utilities. DPA did not observe any of the aforementioned anomalies.

HDR stored samples retained for laboratory analysis on ice and transported them under chain-of-custody protocol to Pace Analytical (Pace), an Illinois accredited laboratory.

HDR selected laboratory analysis of the samples based on historical site uses near each of the boring locations:

- All laboratory samples were analyzed for volatile organic compounds (VOCs) via EPA Method 8260, semi-volatile organic compounds (SVOCs) via EPA Method 8270E, metals including mercury via EPA Methods 6020 and 7471, and pH via EPA Methods 9040 and 9045.
- Laboratory samples collected at historical auto repair garages were analyzed for polychlorinated biphenyls (PCBs) via EPA Method 8082.
- Laboratory samples collected at along former railroad track locations were analyzed for herbicides via EPA Method 8151.

**Table 1. Soil Boring Summary**

Boring	Total Borehole Depth (ft)	Contaminants of Concern	Rationale (Historical Uses)	Laboratory Sample Depth Interval (ft)	Laboratory Sample ID
SB-01	15	VOCs, SVOCs, Metals, pH, PCBs	Auto repair garage, blacksmith shop	7.5-8.0	SB-01-7.5-8.0-20210209
SB-02	15	VOCs, SVOCs, Metals, pH	Wagon yard, earth parking lot	5.5-6.0	SB-02-5.5-6.0-20210209
SB-03	15	VOCs, SVOCs, Metals, pH	Machine shop, cigar shop	9.0-9.5	SB-03-9.0-9.5-20210209
SB-04	15	VOCs, SVOCs, Metals, pH, PCBs	Auto repair garage, blacksmith shop	7.5-8.0	SB-04-7.5-8.0-20210209
SB-05	15	VOCs, SVOCs, Metals, pH	Tin Shop	2.0-2.5	SB-05-2.0-2.5-20210209
SB-06	15	VOCs, SVOCs, Metals, pH, PCBs	Auto repair garage	5.0-5.5	SB-06-5.0-5.5-20210209
SB-07	15	VOCs, SVOCs, Metals, pH	Foundry	7.5-8.0	SB-07-7.5-8.0-20210209
SB-08	15	VOCs, SVOCs, Metals, pH	Lumber yard	7.5-8.0	SB-08-7.5-9.0-20210210

**Table 1. Soil Boring Summary**

Boring	Total Borehole Depth (ft)	Contaminants of Concern	Rationale (Historical Uses)	Laboratory Sample Depth Interval (ft)	Laboratory Sample ID
SB-09	12	VOCs, SVOCs, Metals, pH, Herbicides	Lumber yard	3.5-4.0	SB-09-3.5-4.0-20210209
SB-10	15	VOCs, SVOCs, Metals, pH	Lumber yard	7.5-8.0	SB-10-7.5-8.0-20210210
SB-11	12	VOCs, SVOCs, Metals, pH	Lumber yard	4.0-4.5	SB-11-4.0-4.5-20210210
SB-12	15	VOCs, SVOCs, Metals, pH, Herbicides	Lumber yard	1.0-1.5	SB-12-1.0-1.5-20210209
SB-13	15	VOCs, SVOCs, Metals, pH	Dairy Plant	7.0-7.5	SB-13-7.0-7.5-20210210
SB-14	15	VOCs, SVOCs, Metals, pH	Dairy Plant	2.0-2.5	SB-14-2.0-2.5-20210210
SB-15	15	VOCs, SVOCs, Metals, pH, Herbicides	Railroad tracks, former AST	1.0-1.5	SB-15-1.0-1.5-20210209
SB-16	16	VOCs, SVOCs, Metals, pH, Herbicides	Railroad tracks, former AST	8.0-8.5	SB-16-8.0-8.5-20210210

## 3 Environmental Sampling Results

### 3.1 Soil

The soil sample results were compared to Illinois Environmental Protection Agency's (IEPA's) Tiered Approach to Corrective Action Objectives (TACO). Applicable standards for the Project Area were listed in *Section 742. Table B: Tier 1 Soil Remediation Objectives for Industrial/Commercial Properties* of the TACO guidance document. Soil Remediation Objectives (SRO) in this table included thresholds for ingestion, inhalation, and soil component of groundwater ingestion pathways. The ingestion and inhalation pathways were broken into values for industrial/commercial (I/C) and construction worker (CW) scenarios. The soil component of groundwater ingestion was broken into values for Class I and Class II waters.

The complete laboratory report is included in Appendix C.

#### 3.1.1 Field Screening Results

HDR screened all field samples collected from boreholes using a Photo-Ionization Detector (PID) at 1-foot intervals. The PID was used to determine the presence of VOCs in soil headspace. HDR only detected VOCs at the following intervals:

- SB-04 at 7.5 feet below grade: 4 ppm
- SB-09 between 2.5 and 5.5 feet below grade: maximum 36 ppm at 3.5 feet below grade
- SB-15 between 1.5 and 5.5 feet below grade: maximum 0.5 ppm at 1.5 feet below grade

Total VOCs detected during soil characterization may only indicate trace concentrations below the laboratory's reporting limits for individual compounds, and do not represent an exceedance of IEPA guidelines.

### 3.1.2 Non-Detections in Soil

VOCs, PCBs, or herbicides were not detected at concentrations above their respective reporting limits in any of the soil samples collected.

### 3.1.3 SVOC Compounds in Soil

Laboratory samples collected from 12 of the soil borings contained SVOCs at concentrations exceeding their respective reporting limits. Nineteen SVOCs were detected at the Subject Property during this Phase II ESA. A summary of laboratory samples containing detectable concentrations of SVOCs is provided in Table 2. Four SVOCs were detected in two samples exceeding their applicable SRO and Migration to Groundwater (MGW) Guidelines:

#### *Benzo(a)anthracene*

- The concentration of Benzo(a)anthracene from SB-02 (28.3 mg/kg) exceeded the I/C SRO for Ingestion (8 mg/kg) and Class II MGW Guideline (8 mg/kg).
- The concentration of Benzo(a)anthracene from SB-01 (6.5 mg/kg) exceeded the Class I MGW Guideline (2 mg/kg).

#### *Benzo(a)pyrene*

- The concentration of Benzo(a)pyrene from SB-02 (20.0 mg/kg) exceeded the I/C SRO for Ingestion (0.8 mg/kg), CW SRO for Ingestion (17 mg/kg), and Class I MGW (8 mg/kg).
- The concentration of Benzo(a)pyrene from SB-01 (6.7 mg/kg) exceeded the I/C SRO (0.8 mg/kg).

#### *Benzo(b)fluoranthene*

- The concentration of Benzo(b)fluoranthene from SB-01 (8.8 mg/kg) and SB-02 (24.5 mg/kg) exceeded the I/C SRO for Ingestion (8 mg/kg), and Class I MGW Guideline (5 mg/kg).

#### *Carbazole*

- The concentration of Carbazole from SB-01 (1.1 mg/kg) exceeded the Class I MGW Guideline (0.6 mg/kg).
- Carbazole was not detected in the laboratory sample collected from SB-02, however the reporting limit (3.7 mg/kg) exceeded the Class II MGW Guideline (2.8mg/kg).

#### *Indeno(1,2,3-cd)pyrene*

- The concentration of Indeno(1,2,3-cd)pyrene from SB-02 (12.7 mg/kg) exceeded its I/C SRO for Ingestion (8 mg/kg).

Table 2. Summary of SVOCs in Soil

Analyte <sup>(1)</sup>	Industrial/Commercial Soil Remediation Objectives for Ingestion <sup>(2)</sup>	Industrial/Commercial Soil Remediation Objectives for Inhalation <sup>(2)</sup>	Construction Worker Soil Remediation Objectives for Ingestion <sup>(3)</sup>	Construction Worker Soil Remediation Objectives for Inhalation <sup>(3)</sup>	Migration to Groundwater (Class I) <sup>(4)</sup>	Migration to Groundwater (Class II) <sup>(4)</sup>	SB-01 (7.5-8.0)	SB-02 (5.5-6.0)	SB-03 (9.0-9.5)	SB-05 (2.0-2.5)	SB-06 (5.0-5.5)	SB-07 (7.5-8.0)	SB-08 (7.5-8.0)	SB-10 (7.5-8.0)	SB-13 (7.0-7.5)	SB-14 (2.0-2.5)	SB-15 (1.0-1.5)	SB-16 (8.0-8.5)
Anthracene	610,000	--	610,000	--	12,000	59,000	1.2 J	18.1	<0.031	<0.036	<0.031	<0.029	0.062 J	0.041 J	0.054 J	0.15	<0.034	<0.072
Benzo(a)anthracene	8	--	170	--	2	8	6.5	28.3	<0.030	<0.035	<0.030	0.055 J	0.29	0.18	0.14	0.51	<0.033	<0.070
Benzo(a)pyrene	0.8	--	17	--	8	82	6.7	20.0	0.044 J	<0.034	0.032 J	0.088 J	0.24	0.18	0.12	0.40	<0.032	<0.068
Benzo(b)fluoranthene	8	--	170	--	5	25	8.8	24.5	0.042 J	<0.039	<0.033	0.12	0.31	0.25	0.17	0.53	<0.037	<0.077
Benzo(g,h,i)perylene	--	--	--	--	--	--	5.2	10.1 J	<0.050	<0.059	<0.050	0.070 J	0.16 J	0.17 J	0.10 J	0.23	<0.056	<0.12
Benzo(k)fluoranthene	78	--	1,700	--	49	250	3.7 J	9.4 J	<0.046	<0.054	<0.046	0.089 J	0.13 J	0.11 J	0.056 J	0.22	<0.052	<0.11
Carbazole	290	--	6,200	--	0.6	2.8	1.1 J	<3.7	<0.030	<0.035	<0.030	<0.029	0.037 J	0.042 J	0.041 J	0.071 J	<0.034	<0.071
Chrysene	780	--	17,000	--	160	800	9.1	27.1	<0.029	<0.034	<0.029	0.079 J	0.32	0.23	0.17	0.51	<0.032	<0.067
Dibenz(a,h)anthracene	0.8	--	17	--	2	7.6	<1.3	<6.4	<0.052	<0.061	<0.052	0.063 J	<0.059	<0.058	<0.053	0.077 J	<0.059	<0.12
Dibenzofuran	--	--	--	--	--	--	0.63 J	5.3 J	<0.023	<0.027	<0.023	<0.022	0.072 J	0.050 J	0.027 J	0.058 J	<0.026	<0.055
Di-n-octylphthalate	41,000	10,000	4,100	10,000	10,000	10,000	<1.1	<5.3	<0.043	<0.051	<0.043	0.063 J	<0.049	<0.048	<0.044	<0.044	<0.048	<0.10
Fluoranthene	82,000	--	82,000	--	4,300	21,000	19.2	59.8	<0.027	0.036 J	<0.027	0.13	0.58	0.47	0.33	0.88	0.032 J	0.075 J
Fluorene	82,000	--	82,000	--	560	2,800	0.62 J	9.1 J	<0.022	<0.026	<0.022	<0.021	<0.025	0.027 J	0.036 J	0.064 J	<0.025	<0.053
Indeno(1,2,3-cd)pyrene	8	--	170	--	14	69	6.2	12.7 J	0.065 J	<0.049	<0.042	0.097 J	0.20	0.18	0.11 J	0.30	<0.047	<0.098



Table 2. Summary of SVOCs in Soil

Analyte <sup>(1)</sup>	Industrial/Commercial Soil Remediation Objectives for Ingestion <sup>(2)</sup>	Industrial/Commercial Soil Remediation Objectives for Inhalation <sup>(2)</sup>	Construction Worker Soil Remediation Objectives for Ingestion <sup>(3)</sup>	Construction Worker Soil Remediation Objectives for Inhalation <sup>(3)</sup>	Migration to Groundwater (Class I) <sup>(4)</sup>	Migration to Groundwater (Class II) <sup>(4)</sup>	SB-01 (7.5-8.0)	SB-02 (5.5-6.0)	SB-03 (9.0-9.5)	SB-05 (2.0-2.5)	SB-06 (5.0-5.5)	SB-07 (7.5-8.0)	SB-08 (7.5-8.0)	SB-10 (7.5-8.0)	SB-13 (7.0-7.5)	SB-14 (2.0-2.5)	SB-15 (1.0-1.5)	SB-16 (8.0-8.5)
2-Methylnaphthalene	--	--	--	--	--	--	<1.2	<6.1	<0.050	<0.059	<0.050	<0.048	0.31	0.13 J	0.064 J	0.12 J	<0.056	0.18 J
Naphthalene	41,000	270	4,100	1.8	12	18	<1.7	<8.2	<0.067	<0.079	<0.067	<0.064	0.24 J	<0.075	0.079 J	0.077 J	<0.075	0.16 J
Pentachlorophenol	24	--	520	--	0.03	0.14	<1.1	<5.2	<0.042	<0.050	<0.042	<0.040	<0.048	0.47	<0.043	<0.043	<0.047	<0.099
Phenanthrene	--	--	--	--	--	--	14.8	61.2	<0.025	<0.029	<0.025	0.13	0.42	0.40	0.29	0.65	0.045 J	0.14 J
Pyrene	61,000	--	61,000	--	4,200	21,000	16.1	45.0	<0.042	<0.050	<0.043	0.10 J	0.40	0.37	0.24	0.72	<0.048	<0.10

<sup>(1)</sup> Concentrations provided in milligrams per kilogram (mg/kg)  
<sup>(2)</sup> Industrial/Commercial Soil Remediation Objective exceedances highlighted in yellow  
<sup>(3)</sup> Construction Worker Soil Remediation Objective exceedances highlighted in gray  
<sup>(4)</sup> Migration to Groundwater exceedances are underlined and shaded  
 \*Values that are bolded are non-detections where the reporting limits is higher than a given TACO standard

### 3.1.4 Metals

Laboratory samples collected from the soil borings contained detections above the reporting limits in at least one boring for all 23 Target Analyte List (TAL) metals analyzed. A summary of laboratory samples containing detectable concentrations of Metals is provided in Table 3.

The Mercury CW SRO for Inhalation (0.1 mg/kg) was exceeded in six laboratory samples collected from SB-01 (0.12 mg/kg), SB-02 (0.82 mg/kg), SB-08 (0.20 mg/kg), SB-10 (0.28 mg/kg), SB-13 (0.11 mg/kg), and SB-15 (0.18 mg/kg).

- Exceedances of the SROs for ingestion were not reported for any of the metals
- The Class I and II GWM guidelines were up to 6 orders of magnitude lower in concentration than the I/C and/or CW SROs for soil. The established MGW guidelines for Class I and II Groundwater were exceeded for all detected metals concentrations. Only three locations were found where only the Class I MGW was exceeded (for beryllium).
- Metals exceedances of the MGW guidelines that were also greater than the background concentrations were identified for:
  - Arsenic (13 mg/kg): SB-12 (19.9 mg/kg).
  - Barium (110 mg/kg): SB-1 (170 mg/kg), SB-02 (154 mg/kg), SB-05 (118 mg/kg), SB-08 (200 mg/kg), SB-12 (152 mg/kg), SB-15 (155 mg/kg), and SB-16 (272 mg/kg).
  - Beryllium (0.59 mg/kg): SB-01 (0.87 mg/kg), SB-02(0.85 mg/kg), SB-05 (0.71 mg/kg), SB-08 (0.89 mg/kg), SB-11 (0.93 mg/kg), SB-12 (1.5 mg/kg), SB-14 (0.64 mg/kg), SB-15 (1.4 mg/kg), and SB-16 (4.4 mg/kg).
  - Cadmium (0.6 mg/kg): SB-10 (0.70 mg/kg).
  - Chromium (16.2 mg/kg): SB-01 (25.6 mg/kg), SB-02 (21.2 mg/kg), SB-05 (24.8 mg/kg), SB-08 (28.2 mg/kg), SB-09 (20.5 mg/kg), SB-11 (30.7 mg/kg), SB-12 (35.1 mg/kg), SB-13 (17.6 mg/kg), SB-14 (17.1 mg/kg), and SB-15 (23.3 mg/kg).
  - Cobalt (8.9 mg/kg): SB-05 (9.1 mg/kg), SB-08 (9.4 mg/kg), and SB-12 (23 mg/kg).
  - Copper (19.6 mg/kg): SB-01 (24.7 mg/kg), SB-02 (24.6 mg/kg), SB-03 (20.4 mg/kg), SB-08 (20.9 mg/kg), SB-10 (19.7 mg/kg), SB-11 (30.2 mg/kg), SB-12 (32.7 mg/kg), SB-14 (25.5 mg/kg), SB-15 (28.3 mg/kg).
  - Lead (36 mg/kg): SB-02 (131 mg/kg), SB-10 (111 mg/kg), SB-14 (53.1 mg/kg), SB-15 (41.5 mg/kg), and SB-16 (37.1 mg/kg).
  - Manganese (636 mg/kg): SB-16 (2,700 mg/kg).
  - Mercury (0.06 mg/kg): SB-01 (0.12), SB-02 (0.82 mg/kg), SB-08 (0.20 mg/kg), SB-10 (0.28 mg/kg), SB-11 (0.067), SB-13 (0.11 mg/kg), SB-14 (0.091 mg/kg), and SB-15 (0.18 mg/kg).
  - Nickel (18 mg/kg): SB-01 (21.4), SB-02 (18.4 mg/kg), SB-05 (18.3 mg/kg), SB-08 (23.8 mg/kg), SB-09 (23.8 mg/kg), SB-11 (23.2 mg/kg), and SB-12 (32.2 mg/kg).
  - Selenium (0.48 mg/kg): All borings, ranging from 0.55 to 5.5 mg/kg.
  - Thallium (0.32 mg/kg): SB-01 (0.63 mg/kg), SB-02 (0.65 mg/kg), and SB-08 (0.33 mg/kg).



- Vanadium (25.2 mg/kg): SB-01 (43.0 mg/kg), SB-02 (37.9 mg/kg), SB-05 (47.8 mg/kg), SB-08 (56 mg/kg), SB-11 (46.3 mg/kg), SB-12 (78.5 mg/kg), SB-13 (27.6 mg/kg), SB-14 (28.1 mg/kg), SB-15 (45.2 mg/kg), and SB-16 (27.4 mg/kg).
- Zinc (95 mg/kg): SB-02 (103 mg/kg), SB-10 (226 mg/kg), SB-11 (98.5 mg/kg), and SB-15 (110 mg/kg).

Numerous exceedances of both the Class I and Class II MGW guideline were reported and shown in Table 3 as green shaded cells. The Project Area groundwater is classified as Class II. Therefore, the laboratory analyzed samples were compared to the guidelines in *Section 742. Table D: pH Specific Soil Remediation Objectives for Inorganics and Ionizing Organics for the Soil Component of the Groundwater Ingestion Route (Class I Groundwater)*. The laboratory analyzed pH for the Project Area fell within the 7.20-8.38 range. All of the metals were compared to their respective pH Specific Soil Component of Groundwater Ingestion Exposure Route Values (GWI ERV) with the correct pH value. The remaining exceedances following the pH adjustment is shown in Table 4 and summarized below:

#### *Selenium*

- The Selenium Class II GWI ERV for the pH range of 6.90-7.24 (4.5 mg/kg) was exceeded in the laboratory sample collected from SB-16 (5.5 mg/kg).
- Selenium exceeded its Class II GWI ERV for the pH range of 7.75-8.24 (2.4 mg/kg) in the laboratory samples collected from SB-11 (2.5 mg/kg) and SB-12 (2.9 mg/kg).
- Selenium exceeded its Class II GWI ERV for the pH range of 8.25-8.74 (1.8 mg/kg) in the laboratory samples collected from SB-02 (2.4 mg/kg).

Table 3. Summary of Metals in Soil

Analyte <sup>(1)</sup>	Industrial/Commercial Soil Remediation Objectives for Ingestion <sup>(2)</sup>	Industrial/Commercial Soil Remediation Objectives for Inhalation <sup>(2)</sup>	Construction Worker Soil Remediation Objectives for Ingestion <sup>(3)</sup>	Construction Worker Soil Remediation Objectives for Inhalation <sup>(3)</sup>	Migration to Groundwater (Class I) <sup>(4)</sup>	Migration to Groundwater (Class II) <sup>(4)</sup>	Background Soil Concentrations -Metropolitan Statistical Areas <sup>(5)</sup>	SB-01 (7.5-8.0)	SB-02 (5.5-6.0)	SB-03 (9.0-9.5)	SB-04 (7.5-8.0)	SB-05 (2.0-2.5)	SB-06 (5.0-5.5)	SB-07 (7.5-8.0)	SB-08 (7.5-8.0)	SB-09 (3.5-4.0)	SB-10 (7.5-8.0)	SB-11 (4.0-4.5)	SB-12 (1.0-1.5)	SB-13 (7.0-7.5)	SB-14 (2.0-2.5)	SB-15 (1.0-1.5)	SB-16 (8.0-8.5)
								Aluminum	--	--	--	--	--	--	9,500	23,300	18,600	6,860	2,670	22,900	4,980	2,790	25,100
Antimony	820	--	82	--	0.006	0.024	4.0	<0.24	0.44 J	0.22 J	0.34 J	<0.21	0.20 J	<0.18	0.65 J	<0.18	0.63 J	<0.21	0.26 J	<0.19	0.75	0.56 J	0.58 J
Arsenic	--	1,200	61	25,000	0.05	0.2	13.0	4.0	11.0	10.3	4.4	8.6	11.4	2.7	12.6	9.4	6.2	4.8	19.9	7.6	9.8	7.6	6.3
Barium	140,000	910,000	14,000	870,000	2	2	110	170	154	35.8	9.1	118	40.6	39.4	200	43.7	104	102	152	90.0	86.8	155	272
Beryllium	4,100	2,100	410	44,000	0.004	0.5	0.59	0.87 J	0.85 J	0.32 J	<0.14	0.71 J	0.25 J	<0.15	0.89	0.53 J	0.55 J	0.93	1.5	0.37 J	0.64 J	1.4	4.4
Cadmium	2,000	2,800	200	59,000	0.005	0.05	0.6	<0.42	<0.39	<0.33	0.13 J	<0.12	0.11 J	<0.11	0.16 J	<0.11	0.70 J	<0.37	<0.35	0.15 J	0.32 J	<0.36	<0.37
Calcium	--	--	--	--	--	--	9,300	9,710	9,520	1,750	33,500	9,950	41,000	53,000	4,360	46,500	99,400	5,630	3,760	45,200	34,600	2,980	91,900
Chromium	6,100	420	4,100	690	0.1	1	16.2	25.6	21.2	11.7	6.4	24.8	8.7	5.7	28.2	20.5	11.4	30.7	35.1	17.6	17.1	23.3	14.9
Cobalt	120,000	--	12,000	--	1	1	8.9	5.7	7.4	3.0	2.7	9.1	4.7	1.9	9.4	8.8	4.0	5.7	23.0	5.7	6.6	6.9	5.6
Copper	82,000	--	8,200	--	0.65	0.65	19.6	24.7	24.6	20.4	11.8	18.0	14.3	12.8	20.9	13.2	19.7	30.2	32.7	16.4	25.5	28.3	18.7
Iron	--	--	--	--	--	--	15,900	19,600	21,600	18,900	7,570	25,300	16,300	6,140	30,200	21,000	11,800	25,900	44,800	16,500	24,300	23,000	20,300
Lead	800	--	700	--	0.0075	0.1	36.0	17.1	131	24.2	16.7	15.9	23.5	8.4	21.1	11.3	111	15.0	19.6	21.2	53.1	41.5	37.1
Magnesium	--	--	730,000	--	--	--	4,820	4,890	4,330	2,000	17,100	4,260	24,900	24,500	4,820	21,600	18,400	5,920	5,590	15,900	8,980	3,600	21,500
Manganese	41,000	91,000	4,100	8,700	0.15	10	636	132	509	105	340	379	466	397	225	407	456	164	372	411	295	290	2,700
Mercury	610	16	61	0.1	0.002	0.01	0.06	0.12	0.82	0.012 J	0.042	0.042	<0.010	<0.010	0.20	<0.010	0.28	0.067	0.049	0.11	0.091	0.18	0.038 J
Nickel	41,000	21,000	4,100	440,000	0.1	2	18.0	21.4	18.4	13.6	7.3	18.3	12.6	6.6	23.8	23.8	12.5	23.2	32.2	15.8	17.4	15.6	13.3
Potassium	--	--	--	--	--	--	1,268	2,400	3,740	997 J	688 J	2,480	1,000J	837 J	2,670	3,950	1,000J	2,390	3,260	2,230	1,730	2,340	2,700
Selenium	10,000	--	1,000	--	0.05	0.05	0.48	1.8 J	2.4 J	1.3 J	0.55 J	2.0	1.3	2.3	2.9	1.3	1.6	2.5	2.9	1.4	1.8	3.1	5.5
Silver	10,000	--	1,000	--	0.05	--	0.55	<0.41	<0.38	<0.33	<0.10	<0.12	<0.10	<0.10	<0.12	<0.10	0.93	<0.36	<0.35	<0.11	<0.10	<0.35	<0.36
Sodium	--	--	--	--	--	--	130	665	1,240	263	195	2,050	223	315	389	330	505	585	1,990	438	723	428	1,190
Thallium	160	--	160	--	0.002	0.02	0.32	0.63 J	0.65 J	0.14 J	<0.12	0.22 J	<0.12	<0.12	0.33 J	0.22 J	0.21 J	0.24 J	0.29 J	0.18 J	0.18 J	0.27 J	0.32 J
Vanadium	14,000	--	1,400	--	0.049	0.1	25.2	43.0	37.9	23.6	13.7	47.8	21.1	8.3	56.0	21.8	18.2	46.3	78.5	27.6	28.1	45.2	27.4
Zinc	610,000	--	61,000	--	5	10	95.0	81.6	103	66.6	34.2	68.4	43.3	33.4	84.9	56.9	226	98.5	79.1	74.4	92.6	110	66.1

<sup>(1)</sup> Concentrations provided in milligrams per kilogram (mg/kg)

<sup>(2)</sup> Industrial/Commercial Soil Remediation Objective exceedances highlighted in yellow

<sup>(3)</sup> Construction Worker Soil Remediation Objective exceedances highlighted in gray

<sup>(4)</sup> Migration to Groundwater exceedances are shaded in green

<sup>(5)</sup> Concentrations of Inorganic Chemicals in Background Soils (Section 742. Appendix A, Table G). Champaign County is located in a metropolitan statistical area

\*Values that are bolded are non-detections where the reporting limits is higher than a given TACO standard



**Table 4. Summary of Metals in Soil Exceeding pH Specific Soil Component of Groundwater Ingestion Exposure Route Values**

Analytes <sup>(1) (2) (5)</sup>	pH Specific Soil Component of Class I Groundwater Ingestion Exposure Route Values <sup>(3)</sup>	pH Specific Soil Component of Class II Groundwater Ingestion Exposure Route Values <sup>(4)</sup>	SB-02 (5.5-6.0)	SB-07 (7.5-8.0)	SB-10 (7.5-8.0)	SB-11 (4.0-4.5)	SB-12 (1.0-1.5)	SB-16 (8.0-8.5)
pH	--	--	8.3	8.38	7.7	7.8	8.2	7.2
Selenium (pH: 6.90-7.24)	4.5	4.5	2.4 J	2.3	1.6	2.5	2.9	5.5
Selenium (pH: 7.75-8.24)	2.4	2.4	2.4 J	2.3	1.6	2.5	2.9	5.5
Selenium (pH: 8.25-8.74)	1.8	1.8	2.4 J	2.3	1.6	2.5	2.9	5.5

<sup>(1)</sup> pH provided in pH units

<sup>(2)</sup> Selenium and lead provided in milligrams per kilogram (mg/kg)

<sup>(3)</sup> pH Specific Soil Component of Class I Groundwater Ingestion Exposure Route Value exceedances highlighted in gray

<sup>(4)</sup> pH Specific Soil Component of Class II Groundwater Ingestion Exposure Route Value exceedances highlighted in yellow

<sup>(5)</sup> Values which are not within analytes pH range are colored white

## 4 Conclusions and Recommendations

### 4.1 Conclusions

The detection of five different PAHs in exceedance of one or more SRO scenarios were identified at SB-01 and SB-02. The exceedances of the I/C SRO, CW SRO and Class II MGW standards were reported. These borings were located in the northern portion of the Christie Clinic Parking Lot. This area was once used for auto repair and an unpaved parking garage during the 1920s.

The detection of mercury in exceedance of its CW SRO for inhalation was identified at SB-01, SB-02, SB-08, SB-10, SB-13, and SB-15. These boring were located throughout the Subject Property and may be attributed to the presence of historical fill materials or historical industrial operations.

Groundwater at the Subject Property is classified as Class II. The detection of 16 different metals in exceedance of their Class II MGW standards were identified throughout the Subject Property.

All of the metals were compared to their respective pH Specific Soil Component of Groundwater Ingestion Exposure Route Values (GWI ERV) with the correct pH value.

- Selenium was detected in exceedance of its Class II GWI ERV in SB-02, SB-07, SB-11, SB-12, and SB-16; SB-02 and SB-07 were located in the eastern portion of the Christie Clinic Parking Lot, SB-11 and SB-12 were located in the southern portion of the Illinois Terminal Parking Lot (University & Market Municipal Parking Lot) just north of the bus station driveway, and SB-16 was located in the eastern portion of Lot Logan & Market.

## 4.2 Recommendations

Based on the findings and conclusions from this investigation, HDR recommend the following measures to address contamination identified in the Project Area:

- Champaign-Urbana Mass Transit District should consider application to the IEPA Voluntary Cleanup Program, and request to eliminate the Migration to Groundwater Pathway using the pavement as an engineering control to meet IEPA TACO requirements.
- A Materials Management Plan for the proposed construction activity is recommended to properly address material handling and potential disposal in areas identified in exceedance of regulatory standards.
- A copy of the Phase II ESA should be provided to the Contractor for review to determine if additional worker safety considerations relating to exposure to contaminated soils needs to be addressed in their Health and Safety Plan.

## 5 References

HDR Engineering, Inc. 2020. "Phase I Environmental Site Assessment: Illinois Terminal Expansion." Chicago, IL.

Pace Analytical. 2021. "10229523-009 Champaign, IL HON." Laboratory Report, Green Bay, WI.

State of Illinois. 2013. "Title 35 of the Illinois Administrative Code, Part 742 - Tiered Approach to Corrective Action Objectives." Springfield, IL.



# Appendix A. Photograph Log



**Photograph 1. Overview of the Christie Clinic Parking Lot prior to drilling, view toward the northeast**



**Photograph 2. Direct Push clearing soil boring locations using ground penetrating radar**



**Photograph 3. Direct Push drilling at the Christie Clinic Parking Lot**



**Photograph 4. Soil boring at the Christie Clinic Parking Lot backfilled**



**Photograph 5. Direct Push drilling at the Illinois Terminal Parking Lot**



## Appendix B. Soil Boring Logs



# FIELD BORING LOG

BORING ID: SB-01  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney      Depth to Groundwater: 8 feet  
 Drilling Method: Direct Push      Drilling Company: Direct Push Analytical  
 Total Boring Depth: 15 feet      Date: 2/9/2021      Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-4.0 feet bgs: FAT CLAY (CH); stiff; variegated, light yellowish brown (10yr 6/4), black (N2.5); dry; mostly CLAY, high plasticity, cohesive;	CH	17	0.0	
1				0.0	
2				0.0	
3				0.0	
4	4.0-6.0 feet bgs: SILT (ML); stiff; pale yellowish pink (7.5yr 9/2); dry; mostly SILT; little SAND, coarse, rounded;	ML	24	0.0	
5				0.0	
6	6.0-8.0 feet bgs: FAT CLAY (CH); stiff; black (N2.5); slightly moist; mostly CLAY, high plasticity, cohesive; little WOOD;	CH	24	0.0	
7				0.0	SB-01-7.5-8.0-20210209 @ 10:30
8	8.0-13.0 feet bgs: SILTY SAND (SM); medium dense; very pale brown (10yr 7/4); wet; mostly SAND, fine; some SILT;	SM	46	0.0	
9				0.0	
10				0.0	
11				0.0	
12	13.0-15.0 feet bgs: Well-graded SAND (SW); medium dense; pinkish gray (7.5yr 6/2); wet; mostly SAND, mostly fine, some medium, few coarse;	SW	33	0.0	
13				0.0	
14				0.0	
15	Bottom of borehole at 15 feet below grade.				

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-02  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney      Depth to Groundwater: 8 feet  
 Drilling Method: Direct Push      Drilling Company: Direct Push Analytical  
 Total Boring Depth: 15 feet      Start Date: 2/9/2021      Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-4.0 feet bgs: FAT CLAY (CH); light reddish brown (2.5yr 6/4); mostly CLAY, high plasticity, cohesive;	CH	24	0.0	
1				0.0	
2				0.0	
3				0.0	
4	4.0-8.0 feet bgs: FAT CLAY (CH); black (N2.5); mostly CLAY, high plasticity, cohesive; brick present;	CH	34	0.0	
5				0.0	SB-02-5.5-6.0-20210209 @ 14:05
6				0.0	
7				0.0	
8	8.0-12.0 feet bgs: FAT CLAY (CH); light reddish brown (2.5yr 6/4); mostly CLAY, high plasticity, cohesive;	CH	40	0.0	
9				0.0	
10				0.0	
11				0.0	
12	12.0-15.0 feet bgs: FAT CLAY (CH); gray (N5); mostly CLAY, high plasticity, cohesive;	CH	34	0.0	
13				0.0	
14				0.0	
15	Bottom of borehole at 15 feet below grade.				

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-03  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney      Depth to Groundwater: 10 feet  
 Drilling Method: Direct Push      Drilling Company: Direct Push Analytical  
 Total Boring Depth: 15 feet      Start Date: 2/9/2021      Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-5.0 feet bgs: SILT with SAND (ML); stiff; dark gray (7.5yr 4/1); dry; mostly SILT; little SAND, mostly fine, little medium; few BRICK; no odor.	ML	30	0.0	
1				0.0	
2				0.0	
3				0.0	
4				0.0	
5	5.0-7.0 feet bgs: FAT CLAY (CH); stiff; variegated, greenish gray (10y 5/1), greenish black (10y 2.5/1); moist; mostly CLAY, high plasticity, cohesive; trace GLASS; no odor;	CH	46	0.0	
6				0.0	
7	7.0-9.0 feet bgs: Poorly-graded SAND (SP); dense; greenish gray (10y 6/1); moist; mostly SAND, mostly fine, trace coarse, subrounded; no odor;	SP		0.0	
8				0.0	
9	9.0-10.0 feet bgs: FAT CLAY (CH); stiff; grayish olive (10y 5/2); moist; mostly CLAY, high plasticity, cohesive; discolorations from brick;	CH	36	0.0	SB-03-9.0-9.5-20210209 @ 10:00
10				0.0	
11	10.0-15.0 feet bgs: FAT CLAY (CH); stiff; gray (N5); moist; mostly CLAY, high plasticity, cohesive;	CH	46	0.0	
12				0.0	
13				0.0	
14				0.0	
15	Bottom of borehole at 15 feet below grade.				

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-04  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney      Depth to Groundwater: 9 feet  
 Drilling Method: Direct Push      Drilling Company: Direct Push Analytical  
 Total Boring Depth: 15 feet      Start Date: 2/9/2021      Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-1.0 feet bgs: SILTY SAND (SM); medium dense; light olive brown (2.5y 5/3); dry; mostly SAND, fine; some SILT;	SM	34	0.0	
1	1.0-3.5 feet bgs: SANDY CLAY (CH); stiff; dark gray (N4); dry; mostly CLAY; some SAND, mostly medium, some fine;	CH		0.0	
2				0.0	
3				0.0	
4	3.5-4.5 feet bgs: Poorly-graded SAND with SILT (SP); dense; black (N2.5); mostly SAND, fine; little SILT;	SP	30	0.0	
5	4.5-5.0 feet bgs: Poorly-graded GRAVEL (GP); dense; red (2.5yr 4/8); mostly GRAVEL, fine, brick;	GP		0.0	
6	5.0-7.5 feet bgs: FAT CLAY (CH); stiff; light olive brown (2.5y 5/4); mostly CLAY, high plasticity, cohesive;	CH		0.0	
7				0.0	
8	7.5-9.5 feet bgs: Poorly-graded SAND (SP); medium dense; very dark gray (N3); mostly SAND, fine; odor present;	SP	29	4.0	SB-04-7.5-8.0-20210209 @ 10:55
9				0.0	
10	9.5-12.0 feet bgs: FAT CLAY (CH); stiff; olive (5y 5/3); mostly CLAY, high plasticity, cohesive;	CH		0.0	
11				0.0	
12	12.0-15.0 feet bgs: FAT CLAY (CH); stiff; dark greenish gray (10bg 4/1); mostly CLAY, high plasticity, cohesive;	CH	35	0.0	
13				0.0	
14				0.0	
15	Bottom of borehole at 15 feet below grade.				

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-05  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney      Depth to Groundwater: 8 feet  
 Drilling Method: Direct Push      Drilling Company: Direct Push Analytical  
 Total Boring Depth: 15 feet      Start Date: 2/9/2021      Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-0.5 feet bgs: Poorly-graded SAND with SILT (SP); loose; black (N2.5); mostly SAND, medium; little SILT;	SP		0.0	
1	0.5-1.0 feet bgs: SILTY SAND (SM); loose; white (10yr 8/1); mostly SAND, fine; some SILT;	SM			
2	1.0-3.0 feet bgs: FAT CLAY (CH); stiff; black (N2.5); mostly CLAY, high plasticity, cohesive;	CH	28	0.0	
3				0.0	SB-05-2.0-2.5-20210209 @ 11:45
4				0.0	
5	3.0-6.0 feet bgs: FAT CLAY (CH); stiff; light olive brown (2.5y 5/4); mostly CLAY, high plasticity, cohesive;	CH		0.0	
6				0.0	
7				0.0	
8				0.0	
9	6.0-8.0 feet bgs: Well-graded SAND with GRAVEL (SW); dense; variegated, light olive brown (2.5y 5/4), pale yellow (2.5y 8.5/2), yellow (10yr 7/6); mostly SAND, mostly fine, little medium; little GRAVEL, fine;	SW	30	0.0	
10				0.0	
11				0.0	
12				0.0	
13				0.0	
14	8.0-12.0 feet bgs: FAT CLAY (CH); stiff; olive gray (5y 5/2); mostly CLAY, high plasticity, cohesive;	CH	38	0.0	
15				0.0	
				0.0	
16	12.0-15.0 feet bgs: FAT CLAY (CH); stiff; gray (N5); mostly CLAY, high plasticity, cohesive;	CH	39	0.0	
17				0.0	
18				0.0	
19	Bottom of borehole at 15 feet below grade.				

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-06  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney      Depth to Groundwater: 8 feet  
 Drilling Method: Direct Push      Drilling Company: Direct Push Analytical  
 Total Boring Depth: 15 feet      Start Date: 2/9/2021      Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-2.0 feet bgs: FAT CLAY (CH); stiff; black (N2.5); mostly CLAY, high plasticity, cohesive;	CH	29	0.0	
1				0.0	
2				0.0	
3				0.0	
4	2.0-6.0 feet bgs: FAT CLAY (CH); stiff; light yellowish brown (10yr 6/4); mostly CLAY, high plasticity, cohesive;	CH	27	0.0	
5				0.0	SB-06-5.0-5.5-20210209 @ 13:35
6				0.0	
7				0.0	
8	6.0-7.0 feet bgs: Poorly-graded SAND (SP); dense; light yellowish brown (10yr 6/4); mostly SAND, fine;	SP	36	0.0	
9	7.0-8.0 feet bgs: FAT CLAY (CH); stiff; light yellowish brown (10yr 6/4); mostly CLAY, high plasticity, cohesive;	CH		0.0	
10	8.0-10.0 feet bgs: Poorly-graded SAND (SP); dense; gray (N5); mostly SAND, fine;	SP		0.0	
11	10.0-13.0 feet bgs: FAT CLAY (CH); stiff; gray (N5); mostly CLAY, high plasticity, cohesive;	CH		0.0	
12	13.0-15.0 feet bgs: Poorly-graded SAND (SP); dense; gray (N5); mostly SAND, fine;	SP	38	0.0	
13				0.0	
14				0.0	
15	Bottom of borehole at 15 feet below grade.				

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-07  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney  
 Drilling Method: Direct Push  
 Total Boring Depth: 15 feet

Depth to Groundwater: 8 feet  
 Drilling Company: Direct Push Analytical

Start Date: 2/9/2021  
 Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-5.0 feet bgs: FAT CLAY (CH); stiff; very dark gray (N3); dry; mostly CLAY, high plasticity, cohesive;	CH	21	0.0	
1				0.0	
2				0.0	
3				0.0	
4	5.0-9.0 feet bgs: Well-graded SAND with GRAVEL (SW); variegated, gray (10yr 6/1), brownish yellow (10yr 6/6); mostly SAND, mostly fine, little medium, little coarse, sub-angular; few GRAVEL, fine;	SW	31	0.0	
5				0.0	
6				0.0	
7				0.0	SB-07-7.5-8.0-20210209 @12:45
8	9.0-15.0 feet bgs: FAT CLAY (CH); stiff; gray (N5); mostly CLAY, high plasticity, cohesive;	CH	36	0.0	
9				0.0	
10				0.0	
11				0.0	
12	Bottom of borehole at 15 feet below grade.		29	0.0	
13				0.0	
14				0.0	
15					

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-08  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney      Depth to Groundwater: #N/A  
 Drilling Method: Direct Push      Drilling Company: Direct Push Analytical  
 Total Boring Depth: 15 feet      Start Date: 2/10/2021      Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-2.0 feet bgs: SILT with SAND (ML); dark grayish brown (10yr 4/2); moist; mostly SILT; some SAND, fine;	ML	27	0.0	
1				0.0	
2	2.0-8.0 feet bgs: FAT CLAY (CH); black (N2.5); moist; mostly CLAY, high plasticity, cohesive;	CH		0.0	
3				0.0	
4			24	0.0	
5				0.0	
6				0.0	
7				0.0	
8	8.0-15.0 feet bgs: FAT CLAY (CH); yellowish brown (10yr 5/4); moist; mostly CLAY, high plasticity, cohesive;	CH	36	0.0	
9				0.0	
10				0.0	
11			38	0.0	
12				0.0	
13				0.0	
14				0.0	
15	Bottom of borehole at 15 feet below grade.				

SB-08-7.5-8.0-20210210 @9:00

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-09  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney  
 Drilling Method: Direct Push  
 Total Boring Depth: 15 feet

Depth to Groundwater: #N/A  
 Drilling Company: Direct Push Analytical

Start Date: 2/9/2021  
 Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-1.0 feet bgs: SILTY SAND (SM); dense; light gray (N7); dry; mostly SAND, mostly fine, little coarse; some SILT;	SM	24	0.0	
1	1.0-7.0 feet bgs: FAT CLAY (CH); stiff; greenish gray (5gy 5/1); moist; mostly CLAY, high plasticity, cohesive;	CH		0.0	
2				0.5	
3				36.0	
4			48		SB-09-3.5-4.0-20210209 @ 16:25
5				5.0	
6				0.6	
7				0.0	
7	7.0-10.0 feet bgs: FAT CLAY (CH); stiff; dark yellowish brown (10yr 4/6); moist; mostly CLAY, high plasticity, cohesive;	CH	40	0.0	
8				0.0	
9				0.0	
10				0.0	
10	10.0-11.0 feet bgs: FAT CLAY (CH); stiff; light gray (N7); moist; mostly CLAY, high plasticity, cohesive;	CH	0	0.0	
11	11.0-12.0 feet bgs: Well-graded SAND (SW); dense; dark yellowish brown (10yr 4/6); mostly SAND, mostly medium, some fine, trace coarse;	SW		0.0	
12	12.0-15.0 feet bgs: No recovery.	--	0	--	
13				--	
14				--	
15	Bottom of borehole at 15 feet below grade.				

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-10  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney      Depth to Groundwater: #N/A  
 Drilling Method: Direct Push      Drilling Company: Direct Push Analytical  
 Total Boring Depth: 15 feet      Start Date: 2/10/2021      Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples		
0	0.0-2.0 feet bgs: SILT with SAND (ML); dark grayish brown (10yr 4/2); moist; mostly SILT; some SAND, fine;	ML	28	0.0			
1				0.0			
2				2.0-8.0 feet bgs: FAT CLAY (CH); black (N2.5); moist; mostly CLAY, high plasticity, cohesive;	CH	0.0	
3						0.0	
4			26	0.0			
5				0.0			
6				0.0			
7				0.0	SB-10-7.5-8.0-20210210 @9:20		
8	8.0-12.0 feet bgs: FAT CLAY (CH); yellowish brown (10yr 5/4); moist; mostly CLAY, high plasticity, cohesive;	CH	36	0.0			
9				0.0			
10				0.0			
11				0.0			
12	12.0-15.0 feet bgs: FAT CLAY (CH); gray (N5); moist; mostly CLAY, high plasticity, cohesive;	CH	37	0.0			
13				0.0			
14				0.0			
15	Bottom of borehole at 15 feet below grade.						

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-11  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney  
 Drilling Method: Direct Push  
 Total Boring Depth: 15 feet

Depth to Groundwater: #N/A  
 Drilling Company: Direct Push Analytical

Start Date: 2/10/2021  
 Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-4.0 feet bgs: FAT CLAY (CH); soft; olive (5y 4/3); wet; mostly CLAY; little SAND, fine;	CH	6	0.0	
1				0.0	
2				0.0	
3				0.0	
4	4.0-12.0 feet bgs: FAT CLAY (CH); stiff; black (N2.5); moist; mostly CLAY, high plasticity, cohesive;	CH	25	0.0	SB-11-4.0-4.5-20210210 @ 10:00
5				0.0	
6				0.0	
7				0.0	
8			25	0.0	
9				9.0	
10				0.0	
11				0.0	
12	12.0-15.0 feet bgs: No recovery.	--	0	--	
13				--	
14				--	
15	Bottom of borehole at 15 feet below grade.				

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-12  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney  
 Drilling Method: Direct Push  
 Total Boring Depth: 15 feet

Depth to Groundwater: #N/A  
 Drilling Company: Direct Push Analytical

Start Date: 2/9/2021  
 Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-1.0 feet bgs: SILTY SAND (SM); dense; black (N2.5); dry; mostly SAND, mostly fine, some medium, few coarse; some SILT;	SM		0.0	
1	1.0-3.0 feet bgs: FAT CLAY (CH); stiff; black (N2.5); mostly CLAY, high plasticity, cohesive;	CH	32	0.0	SB-12-1.0-1.5-20210209 @ 15:25
2				0.0	
3				0.0	
4	3.0-11.0 feet bgs: FAT CLAY (CH); stiff; pale olive (5y 6/3); mostly CLAY, high plasticity, cohesive;	CH		0.0	
5				0.0	
6				0.0	
7				0.0	
8	11.0-15.0 feet bgs: FAT CLAY (CH); stiff; gray (N5); mostly CLAY, high plasticity, cohesive;	CH		0.0	
9				0.0	
10				0.0	
11				0.0	
12				0.0	
13			42	0.0	
14				0.0	
15				0.0	
15	Bottom of borehole at 15 feet below grade.				

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-13  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney      Depth to Groundwater: #N/A  
 Drilling Method: Direct Push      Drilling Company: Direct Push Analytical  
 Total Boring Depth: 15 feet      Start Date: 2/10/2021      Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-1.0 feet bgs: SILT (ML); light gray (N7); mostly SILT;	ML		0.0	
1	1.0-8.0 feet bgs: FAT CLAY (CH); black (N2.5); mostly CLAY, high plasticity, cohesive; brick present;	CH	36	0.0	
2				0.0	
3				0.0	
4				0.0	
5			40	0.0	
6				0.0	
7				0.0	SB-13-7.0-7.5-20210210 @ 12:30
8				0.0	
9	8.0-15.0 feet bgs: FAT CLAY (CH); light gray (N7); mostly CLAY, high plasticity, cohesive;	CH	48	0.0	
10				0.0	
11				0.0	
12				0.0	
13			40	0.0	
14				0.0	
15				0.0	
				0.0	
15	Bottom of borehole at 15 feet below grade.				

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-14  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney  
 Drilling Method: Direct Push  
 Total Boring Depth: 15 feet

Depth to Groundwater: #N/A  
 Drilling Company: Direct Push Analytical

Start Date: 2/10/2021  
 Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-2.0 feet bgs: SILT with SAND and GRAVEL (ML); loose; light gray (N7); dry; mostly SILT; some SAND, fine; little GRAVEL, fine;	ML	12	0.0	
1				0.0	
2	2.0-15.0 feet bgs: FAT CLAY (CH); stiff; black (N2.5); moist; mostly CLAY, high plasticity, cohesive;	CH	4	0.0	SB-14-2.0-2.5-20210210 @ 10:30
3				0.0	
4			4	0.0	
5				0.0	
6				0.0	
7			2	0.0	
8				0.0	
9				0.0	
10				0.0	
11			4	0.0	
12				0.0	
13				0.0	
14			Bottom of borehole at 15 feet below grade.		
15	0.0				

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-15  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney      Depth to Groundwater: #N/A  
 Drilling Method: Direct Push      Drilling Company: Direct Push Analytical  
 Total Boring Depth: 15 feet      Start Date: 2/9/2021      Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-1.0 feet bgs: SILTY SAND (SM); dense; light gray (N7); dry; mostly SAND, mostly fine, some medium, few coarse; some SILT;	SM		0.0	
1	1.0-8.0 feet bgs: FAT CLAY (CH); stiff; black (N2.5); mostly CLAY, high plasticity, cohesive;	CH	20	0.5	SB-15-1.0-1.5-20210209 @ 15:05
2				0.4	
3				0.4	
4				0.0	
5	8.0-11.0 feet bgs: FAT CLAY (CH); stiff; pale olive (5y 6/3); mostly CLAY, high plasticity, cohesive;	CH	29	0.2	
6				0.0	
7				0.0	
8				0.0	
9	11.0-15.0 feet bgs: FAT CLAY (CH); stiff; gray (N5); mostly CLAY, high plasticity, cohesive;	CH	40	0.0	
10				0.0	
11				0.0	
12				0.0	
13	Bottom of borehole at 15 feet below grade.		48	0.0	
14				0.0	
15				0.0	

Geologist Remarks:



# FIELD BORING LOG

BORING ID: SB-16  
 PROJECT: Illinois Terminal  
 LOCATION: Champaign, IL

Geologist: Matthew T Keaveney  
 Drilling Method: Direct Push  
 Total Boring Depth: 16 feet

Depth to Groundwater: #N/A  
 Drilling Company: Direct Push Analytical

Start Date: 2/10/2021  
 Weather: 20°, Snowy

Depth Below Ground Surface (ft)	Soil Description (Field Observations)	USCS	Recovery Length (inches)	PID Reading (ppm)	Remarks / Samples
0	0.0-3.0 feet bgs: SILTY SAND (ML); light gray (N7); mostly SAND; some SILT;	ML	12	0.0	
1				0.0	
2				0.0	
3	3.0-8.0 feet bgs: FAT CLAY (CH); stiff; black (N2.5); mostly CLAY, high plasticity, cohesive;	CH	4	0.0	
4				0.0	
5				0.0	
6				0.0	
7				0.0	
8	8.0-12.0 feet bgs: Well-graded SAND (SW); black (N2.5); mostly SAND; cinders present;	SW	2	0.0	SB-16-8.0-8.5-20210210 @ 12:00
9				0.0	
10				0.0	
11				0.0	
12	12.0-16.0 feet bgs: FAT CLAY (CH); stiff; black (N2.5); mostly CLAY, high plasticity, cohesive;	CH	4	0.0	
13				0.0	
14				0.0	
15				0.0	
16	Bottom of borehole at 16 feet below grade.				

Geologist Remarks:



# Appendix C. Laboratory Results

February 24, 2021

Hong Spores  
HDR, Inc.  
701 Xenia Avenue South  
Suite 600  
Minneapolis, MN 554163636

RE: Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Dear Hong Spores:

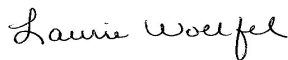
Enclosed are the analytical results for sample(s) received by the laboratory on February 12, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay
- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Laurie Woelfel  
laurie.woelfel@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Matthew Keaveney, HDR, Inc.



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

---

### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

---

### **Pace Analytical Services Indianapolis**

7726 Moller Road, Indianapolis, IN 46268

Illinois Accreditation #: 200074

Indiana Drinking Water Laboratory #: C-49-06

Kansas/TNI Certification #: E-10177

Kentucky UST Agency Interest #: 80226

Kentucky WW Laboratory ID #: 98019

Michigan Drinking Water Laboratory #9050

Ohio VAP Certified Laboratory #: CL0065

Oklahoma Laboratory #: 9204

Texas Certification #: T104704355

Wisconsin Laboratory #: 999788130

USDA Soil Permit #: P330-19-00257

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## SAMPLE SUMMARY

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40222095001	SB-01-7.5-8.0-20210209	Solid	02/09/21 10:30	02/12/21 09:30
40222095002	SB-02-5.5-6.0-20210209	Solid	02/09/21 14:05	02/12/21 09:30
40222095003	SB-03-9.0-9.5-20210209	Solid	02/09/21 10:00	02/12/21 09:30
40222095004	SB-04-7.5-8.0-20210209	Solid	02/09/21 10:55	02/12/21 09:30
40222095005	SB-05-2.0-2.5-20210209	Solid	02/09/21 11:45	02/12/21 09:30
40222095006	SB-06-5.0-5.5-20210209	Solid	02/09/21 13:35	02/12/21 09:30
40222095007	SB-07-7.5-8.0-20210209	Solid	02/09/21 12:45	02/12/21 09:30
40222095008	SB-08-7.5-8.0-20210210	Solid	02/10/21 09:00	02/12/21 09:30
40222095009	SB-09-3.5-4.0-20210209	Solid	02/09/21 16:25	02/12/21 09:30
40222095010	SB-10-7.5-8.0-20210210	Solid	02/10/21 09:20	02/12/21 09:30
40222095011	SB-11-4.0-4.5-20210210	Solid	02/10/21 10:00	02/12/21 09:30
40222095012	SB-12-1.0-1.5-20210209	Solid	02/09/21 15:25	02/12/21 09:30
40222095013	SB-13-7.0-7.5-20210210	Solid	02/10/21 12:30	02/12/21 09:30
40222095014	SB-14-2.0-2.5-20210210	Solid	02/10/21 10:30	02/12/21 09:30
40222095015	SB-15-1.0-1.5-20210209	Solid	02/09/21 15:05	02/12/21 09:30
40222095016	SB-16-8.0-8.5-20210210	Solid	02/10/21 12:00	02/12/21 09:30

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40222095001	SB-01-7.5-8.0-20210209	EPA 8082	BLM	10	PASI-G
		EPA 6020	KXS	22	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	JJB	70	PASI-G
		EPA 8260	HNW	38	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
		EPA 9040	ALY	1	PASI-G
40222095002	SB-02-5.5-6.0-20210209	EPA 6020	KXS	22	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	JJB	70	PASI-G
		EPA 8260	HNW	38	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
		EPA 9040	ALY	1	PASI-G
		EPA 6020	KXS	22	PASI-G
40222095003	SB-03-9.0-9.5-20210209	EPA 7471	AJT	1	PASI-G
		EPA 8270E	JJB	70	PASI-G
		EPA 8260	HNW	38	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
		EPA 9045	ALY	1	PASI-G
		EPA 8082	BLM	10	PASI-G
		EPA 6020	KXS	22	PASI-G
40222095004	SB-04-7.5-8.0-20210209	EPA 7471	AJT	1	PASI-G
		EPA 8270E	JJB	70	PASI-G
		EPA 8260	MDS	38	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
		EPA 9045	ALY	1	PASI-G
		EPA 6020	KXS	22	PASI-G
		EPA 7471	AJT	1	PASI-G
40222095005	SB-05-2.0-2.5-20210209	EPA 8270E	JJB	70	PASI-G
		EPA 8260	HNW	38	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
		EPA 9040	ALY	1	PASI-G
		EPA 8082	BLM	10	PASI-G
		EPA 6020	KXS	22	PASI-G
		EPA 7471	AJT	1	PASI-G
40222095006	SB-06-5.0-5.5-20210209	EPA 8270E	JJB	70	PASI-G
		EPA 8260	HNW	38	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 6020	KXS	22	PASI-G
		EPA 8082	BLM	10	PASI-G

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40222095007	SB-07-7.5-8.0-20210209	ASTM D2974-87	MMX	1	PASI-G
		EPA 9045	ALY	1	PASI-G
		EPA 6020	KXS	22	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	JJB	70	PASI-G
		EPA 8260	HNW	38	PASI-G
40222095008	SB-08-7.5-8.0-20210210	ASTM D2974-87	MMX	1	PASI-G
		EPA 9045	ALY	1	PASI-G
		EPA 6020	KXS	22	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	JJB	70	PASI-G
		EPA 8260	HNW	38	PASI-G
40222095009	SB-09-3.5-4.0-20210209	ASTM D2974-87	MMX	1	PASI-G
		EPA 9040	ALY	1	PASI-G
		EPA 8151A	BJW	6	PASI-I
		EPA 6020	KXS	22	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	JJB	70	PASI-G
40222095010	SB-10-7.5-8.0-20210210	EPA 8260	HNW	38	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
		EPA 9045	ALY	1	PASI-G
		EPA 6020	KXS	22	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	JJB	70	PASI-G
40222095011	SB-11-4.0-4.5-20210210	EPA 8260	HNW	38	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
		EPA 9040	ALY	1	PASI-G
		EPA 6020	KXS	22	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	JJB	70	PASI-G
40222095012	SB-12-1.0-1.5-20210209	EPA 8260	HNW	38	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
		EPA 9040	ALY	1	PASI-G
		EPA 8151A	BJW	6	PASI-I
		EPA 6020	KXS	22	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	JJB	70	PASI-G

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40222095013	SB-13-7.0-7.5-20210210	EPA 8260	HNW	38	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
		EPA 9040	ALY	1	PASI-G
		EPA 6020	KXS	22	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	JJB	70	PASI-G
		EPA 8260	HNW	38	PASI-G
40222095014	SB-14-2.0-2.5-20210210	ASTM D2974-87	MMX	1	PASI-G
		EPA 9045	ALY	1	PASI-G
		EPA 6020	KXS	22	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	JJB	70	PASI-G
		EPA 8260	HNW	38	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40222095015	SB-15-1.0-1.5-20210209	EPA 9045	ALY	1	PASI-G
		EPA 8151A	BJW	6	PASI-I
		EPA 6020	KXS	22	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	JJB	70	PASI-G
		EPA 8260	HNW	38	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
40222095016	SB-16-8.0-8.5-20210210	EPA 9040	ALY	1	PASI-G
		EPA 8151A	BJW	6	PASI-I
		EPA 6020	KXS	22	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	JJB	70	PASI-G
		EPA 8260	HNW	38	PASI-G
		ASTM D2974-87	MMX	1	PASI-G
		EPA 9040	ALY	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

PASI-I = Pace Analytical Services - Indianapolis

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40222095001</b>	<b>SB-01-7.5-8.0-20210209</b>					
EPA 6020	Aluminum	23300	mg/kg	375	02/18/21 03:39	P6
EPA 6020	Arsenic	4.0	mg/kg	3.8	02/18/21 07:07	
EPA 6020	Barium	170	mg/kg	1.2	02/18/21 03:39	
EPA 6020	Beryllium	0.87J	mg/kg	0.95	02/18/21 03:39	D3
EPA 6020	Calcium	9710	mg/kg	886	02/16/21 19:40	P6
EPA 6020	Chromium	25.6	mg/kg	2.9	02/18/21 03:39	
EPA 6020	Cobalt	5.7	mg/kg	0.95	02/18/21 03:39	
EPA 6020	Copper	24.7	mg/kg	2.6	02/18/21 03:39	
EPA 6020	Iron	19600	mg/kg	238	02/18/21 03:39	P6
EPA 6020	Lead	17.1	mg/kg	0.95	02/18/21 03:39	
EPA 6020	Magnesium	4890	mg/kg	238	02/18/21 03:39	P6
EPA 6020	Manganese	132	mg/kg	2.6	02/18/21 03:39	M0, R1
EPA 6020	Nickel	21.4	mg/kg	1.3	02/18/21 03:39	
EPA 6020	Potassium	2400	mg/kg	1480	02/18/21 03:39	M0
EPA 6020	Selenium	1.8J	mg/kg	2.9	02/18/21 07:07	D3
EPA 6020	Sodium	665	mg/kg	238	02/18/21 03:39	
EPA 6020	Thallium	0.63J	mg/kg	0.95	02/18/21 03:39	D3
EPA 6020	Vanadium	43.0	mg/kg	1.2	02/18/21 03:39	
EPA 6020	Zinc	81.6	mg/kg	33.2	02/18/21 03:39	
EPA 7471	Mercury	0.12	mg/kg	0.050	02/17/21 09:07	M0, R1
EPA 8270E	Anthracene	1.2J	mg/kg	2.5	02/16/21 17:27	
EPA 8270E	Benzo(a)anthracene	6.5	mg/kg	2.5	02/16/21 17:27	
EPA 8270E	Benzo(a)pyrene	6.7	mg/kg	2.4	02/16/21 17:27	
EPA 8270E	Benzo(b)fluoranthene	8.8	mg/kg	2.7	02/16/21 17:27	
EPA 8270E	Benzo(g,h,i)perylene	5.2	mg/kg	4.2	02/16/21 17:27	
EPA 8270E	Benzo(k)fluoranthene	3.7J	mg/kg	3.8	02/16/21 17:27	
EPA 8270E	Carbazole	1.1J	mg/kg	2.5	02/16/21 17:27	
EPA 8270E	Chrysene	9.1	mg/kg	2.4	02/16/21 17:27	
EPA 8270E	Dibenzofuran	0.63J	mg/kg	1.9	02/16/21 17:27	
EPA 8270E	Fluoranthene	19.2	mg/kg	2.3	02/16/21 17:27	
EPA 8270E	Fluorene	0.62J	mg/kg	1.9	02/16/21 17:27	
EPA 8270E	Indeno(1,2,3-cd)pyrene	6.2	mg/kg	3.5	02/16/21 17:27	CH
EPA 8270E	Phenanthrene	14.8	mg/kg	2.0	02/16/21 17:27	
EPA 8270E	Pyrene	16.1	mg/kg	3.5	02/16/21 17:27	
ASTM D2974-87	Percent Moisture	30.2	%	0.10	02/12/21 12:38	
EPA 9040	pH at 25 Degrees C	7.6	Std. Units	0.10	02/17/21 09:57	1q,H6
<b>40222095002</b>	<b>SB-02-5.5-6.0-20210209</b>					
EPA 6020	Aluminum	18600	mg/kg	352	02/18/21 04:06	
EPA 6020	Antimony	0.44J	mg/kg	0.89	02/18/21 04:06	D3
EPA 6020	Arsenic	11.0	mg/kg	3.5	02/18/21 07:34	
EPA 6020	Barium	154	mg/kg	1.2	02/18/21 04:06	
EPA 6020	Beryllium	0.85J	mg/kg	0.89	02/18/21 04:06	D3
EPA 6020	Calcium	9520	mg/kg	832	02/16/21 20:20	
EPA 6020	Chromium	21.2	mg/kg	2.7	02/18/21 04:06	
EPA 6020	Cobalt	7.4	mg/kg	0.89	02/18/21 04:06	
EPA 6020	Copper	24.6	mg/kg	2.4	02/18/21 04:06	
EPA 6020	Iron	21600	mg/kg	224	02/18/21 04:06	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40222095002</b>	<b>SB-02-5.5-6.0-20210209</b>					
EPA 6020	Lead	131	mg/kg	0.89	02/18/21 04:06	
EPA 6020	Magnesium	4330	mg/kg	224	02/18/21 04:06	
EPA 6020	Manganese	509	mg/kg	2.5	02/18/21 04:06	
EPA 6020	Nickel	18.4	mg/kg	1.2	02/18/21 04:06	
EPA 6020	Potassium	3740	mg/kg	1390	02/18/21 04:06	
EPA 6020	Selenium	2.4J	mg/kg	2.7	02/18/21 07:34	D3
EPA 6020	Sodium	1240	mg/kg	224	02/18/21 04:06	
EPA 6020	Thallium	0.65J	mg/kg	0.89	02/18/21 04:06	D3
EPA 6020	Vanadium	37.9	mg/kg	1.1	02/18/21 04:06	
EPA 6020	Zinc	103	mg/kg	31.2	02/18/21 04:06	
EPA 7471	Mercury	0.82	mg/kg	0.045	02/17/21 09:13	
EPA 8270E	Anthracene	18.1	mg/kg	12.5	02/16/21 17:48	
EPA 8270E	Benzo(a)anthracene	28.3	mg/kg	12.1	02/16/21 17:48	
EPA 8270E	Benzo(a)pyrene	20.0	mg/kg	11.8	02/16/21 17:48	
EPA 8270E	Benzo(b)fluoranthene	24.5	mg/kg	13.4	02/16/21 17:48	
EPA 8270E	Benzo(g,h,i)perylene	10.1J	mg/kg	20.4	02/16/21 17:48	
EPA 8270E	Benzo(k)fluoranthene	9.4J	mg/kg	18.7	02/16/21 17:48	
EPA 8270E	Chrysene	27.1	mg/kg	11.7	02/16/21 17:48	
EPA 8270E	Dibenzofuran	5.3J	mg/kg	9.5	02/16/21 17:48	
EPA 8270E	Fluoranthene	59.8	mg/kg	11.1	02/16/21 17:48	
EPA 8270E	Fluorene	9.1J	mg/kg	9.1	02/16/21 17:48	
EPA 8270E	Indeno(1,2,3-cd)pyrene	12.7J	mg/kg	16.9	02/16/21 17:48	CH
EPA 8270E	Phenanthrene	61.2	mg/kg	10.0	02/16/21 17:48	
EPA 8270E	Pyrene	45.0	mg/kg	17.3	02/16/21 17:48	
ASTM D2974-87	Percent Moisture	28.8	%	0.10	02/12/21 12:38	
EPA 9040	pH at 25 Degrees C	8.3	Std. Units	0.10	02/17/21 10:00	1q,H6
<b>40222095003</b>	<b>SB-03-9.0-9.5-20210209</b>					
EPA 6020	Aluminum	6860	mg/kg	299	02/18/21 04:19	
EPA 6020	Antimony	0.22J	mg/kg	0.76	02/18/21 04:19	D3
EPA 6020	Arsenic	10.3	mg/kg	3.0	02/18/21 07:47	
EPA 6020	Barium	35.8	mg/kg	0.99	02/18/21 04:19	
EPA 6020	Beryllium	0.32J	mg/kg	0.76	02/18/21 04:19	D3
EPA 6020	Calcium	1750	mg/kg	705	02/16/21 20:34	
EPA 6020	Chromium	11.7	mg/kg	2.3	02/18/21 04:19	
EPA 6020	Cobalt	3.0	mg/kg	0.76	02/18/21 04:19	
EPA 6020	Copper	20.4	mg/kg	2.0	02/18/21 04:19	
EPA 6020	Iron	18900	mg/kg	189	02/18/21 04:19	
EPA 6020	Lead	24.2	mg/kg	0.76	02/18/21 04:19	
EPA 6020	Magnesium	2000	mg/kg	189	02/18/21 04:19	
EPA 6020	Manganese	105	mg/kg	2.1	02/18/21 04:19	
EPA 6020	Nickel	13.6	mg/kg	1.0	02/18/21 04:19	
EPA 6020	Potassium	997J	mg/kg	1170	02/18/21 04:19	D3
EPA 6020	Selenium	1.3J	mg/kg	2.3	02/18/21 07:47	D3
EPA 6020	Sodium	263	mg/kg	189	02/18/21 04:19	
EPA 6020	Thallium	0.14J	mg/kg	0.76	02/18/21 04:19	D3
EPA 6020	Vanadium	23.6	mg/kg	0.96	02/18/21 04:19	
EPA 6020	Zinc	66.6	mg/kg	26.4	02/18/21 04:19	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40222095003</b>	<b>SB-03-9.0-9.5-20210209</b>					
EPA 7471	Mercury	0.012J	mg/kg	0.039	02/17/21 09:16	
EPA 8270E	Benzo(a)pyrene	0.044J	mg/kg	0.096	02/16/21 12:32	
EPA 8270E	Benzo(b)fluoranthene	0.042J	mg/kg	0.11	02/16/21 12:32	
EPA 8270E	Indeno(1,2,3-cd)pyrene	0.065J	mg/kg	0.14	02/16/21 12:32	CH
ASTM D2974-87	Percent Moisture	12.8	%	0.10	02/12/21 12:38	
EPA 9045	pH at 25 Degrees C	7.78	Std. Units	0.100	02/16/21 08:11	H6
<b>40222095004</b>	<b>SB-04-7.5-8.0-20210209</b>					
EPA 6020	Aluminum	2670	mg/kg	274	02/18/21 04:26	
EPA 6020	Antimony	0.34J	mg/kg	0.70	02/18/21 04:26	D3
EPA 6020	Arsenic	4.4	mg/kg	0.92	02/18/21 04:26	
EPA 6020	Barium	9.1	mg/kg	0.91	02/18/21 04:26	
EPA 6020	Cadmium	0.13J	mg/kg	0.70	02/18/21 04:26	D3
EPA 6020	Calcium	33500	mg/kg	647	02/16/21 20:40	
EPA 6020	Chromium	6.4	mg/kg	2.1	02/18/21 04:26	
EPA 6020	Cobalt	2.7	mg/kg	0.70	02/18/21 04:26	
EPA 6020	Copper	11.8	mg/kg	1.9	02/18/21 04:26	
EPA 6020	Iron	7570	mg/kg	174	02/18/21 04:26	
EPA 6020	Lead	16.7	mg/kg	0.70	02/18/21 04:26	
EPA 6020	Magnesium	17100	mg/kg	174	02/18/21 04:26	
EPA 6020	Manganese	340	mg/kg	1.9	02/18/21 04:26	
EPA 6020	Nickel	7.3	mg/kg	0.92	02/18/21 04:26	
EPA 6020	Potassium	688J	mg/kg	1080	02/18/21 04:26	D3
EPA 6020	Selenium	0.55J	mg/kg	0.70	02/18/21 04:26	D3
EPA 6020	Sodium	195	mg/kg	174	02/18/21 04:26	
EPA 6020	Vanadium	13.7	mg/kg	0.88	02/18/21 04:26	
EPA 6020	Zinc	34.2	mg/kg	24.3	02/18/21 04:26	
EPA 7471	Mercury	0.042	mg/kg	0.036	02/17/21 09:18	
ASTM D2974-87	Percent Moisture	11.1	%	0.10	02/12/21 12:38	
EPA 9045	pH at 25 Degrees C	7.78	Std. Units	0.100	02/16/21 08:17	H6
<b>40222095005</b>	<b>SB-05-2.0-2.5-20210209</b>					
EPA 6020	Aluminum	22900	mg/kg	330	02/18/21 06:47	
EPA 6020	Arsenic	8.6	mg/kg	1.1	02/18/21 06:47	
EPA 6020	Barium	118	mg/kg	1.1	02/18/21 06:47	
EPA 6020	Beryllium	0.71J	mg/kg	0.84	02/18/21 06:47	D3
EPA 6020	Calcium	9950	mg/kg	780	02/16/21 20:47	
EPA 6020	Chromium	24.8	mg/kg	2.5	02/18/21 06:47	
EPA 6020	Cobalt	9.1	mg/kg	0.84	02/18/21 06:47	
EPA 6020	Copper	18.0	mg/kg	2.2	02/18/21 06:47	
EPA 6020	Iron	25300	mg/kg	210	02/18/21 06:47	
EPA 6020	Lead	15.9	mg/kg	0.84	02/18/21 06:47	
EPA 6020	Magnesium	4260	mg/kg	210	02/18/21 06:47	
EPA 6020	Manganese	379	mg/kg	2.3	02/18/21 06:47	
EPA 6020	Nickel	18.3	mg/kg	1.1	02/18/21 06:47	
EPA 6020	Potassium	2480	mg/kg	1300	02/18/21 06:47	
EPA 6020	Selenium	2.0	mg/kg	0.84	02/18/21 06:47	
EPA 6020	Sodium	2050	mg/kg	210	02/18/21 06:47	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: 10229523-009 CHAMPAIGN, IL HON  
 Pace Project No.: 40222095

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40222095005</b>	<b>SB-05-2.0-2.5-20210209</b>					
EPA 6020	Thallium	0.22J	mg/kg	0.84	02/18/21 06:47	D3
EPA 6020	Vanadium	47.8	mg/kg	1.1	02/18/21 06:47	
EPA 6020	Zinc	68.4	mg/kg	29.2	02/18/21 06:47	
EPA 7471	Mercury	0.042	mg/kg	0.042	02/17/21 09:20	
EPA 8270E	Fluoranthene	0.036J	mg/kg	0.11	02/16/21 15:21	
ASTM D2974-87	Percent Moisture	25.9	%	0.10	02/12/21 12:38	
EPA 9040	pH at 25 Degrees C	8.0	Std. Units	0.10	02/17/21 10:01	1q,H6
<b>40222095006</b>	<b>SB-06-5.0-5.5-20210209</b>					
EPA 6020	Aluminum	4980	mg/kg	287	02/18/21 04:53	
EPA 6020	Antimony	0.20J	mg/kg	0.73	02/18/21 04:53	D3
EPA 6020	Arsenic	11.4	mg/kg	0.96	02/18/21 04:53	
EPA 6020	Barium	40.6	mg/kg	0.95	02/18/21 04:53	
EPA 6020	Beryllium	0.25J	mg/kg	0.73	02/18/21 04:53	D3
EPA 6020	Cadmium	0.11J	mg/kg	0.73	02/18/21 04:53	D3
EPA 6020	Calcium	41000	mg/kg	677	02/16/21 20:54	
EPA 6020	Chromium	8.7	mg/kg	2.2	02/18/21 04:53	
EPA 6020	Cobalt	4.7	mg/kg	0.73	02/18/21 04:53	
EPA 6020	Copper	14.3	mg/kg	1.9	02/18/21 04:53	
EPA 6020	Iron	16300	mg/kg	182	02/18/21 04:53	
EPA 6020	Lead	23.5	mg/kg	0.73	02/18/21 04:53	
EPA 6020	Magnesium	24900	mg/kg	182	02/18/21 04:53	
EPA 6020	Manganese	466	mg/kg	2.0	02/18/21 04:53	
EPA 6020	Nickel	12.6	mg/kg	0.96	02/18/21 04:53	
EPA 6020	Potassium	1000J	mg/kg	1130	02/18/21 04:53	D3
EPA 6020	Selenium	1.3	mg/kg	0.73	02/18/21 04:53	
EPA 6020	Sodium	223	mg/kg	182	02/18/21 04:53	
EPA 6020	Vanadium	21.1	mg/kg	0.92	02/18/21 04:53	
EPA 6020	Zinc	43.3	mg/kg	25.4	02/18/21 04:53	
EPA 8270E	Benzo(a)pyrene	0.032J	mg/kg	0.096	02/16/21 12:53	
ASTM D2974-87	Percent Moisture	12.9	%	0.10	02/12/21 12:38	
EPA 9045	pH at 25 Degrees C	7.86	Std. Units	0.100	02/16/21 08:18	H6
<b>40222095007</b>	<b>SB-07-7.5-8.0-20210209</b>					
EPA 6020	Aluminum	2790	mg/kg	283	02/18/21 04:59	
EPA 6020	Arsenic	2.7	mg/kg	0.95	02/18/21 04:59	
EPA 6020	Barium	39.4	mg/kg	0.94	02/18/21 04:59	
EPA 6020	Calcium	53000	mg/kg	669	02/16/21 21:00	
EPA 6020	Chromium	5.7	mg/kg	2.2	02/18/21 04:59	
EPA 6020	Cobalt	1.9	mg/kg	0.72	02/18/21 04:59	
EPA 6020	Copper	12.8	mg/kg	1.9	02/18/21 04:59	
EPA 6020	Iron	6140	mg/kg	180	02/18/21 04:59	
EPA 6020	Lead	8.4	mg/kg	0.72	02/18/21 04:59	
EPA 6020	Magnesium	24500	mg/kg	180	02/18/21 04:59	
EPA 6020	Manganese	397	mg/kg	2.0	02/18/21 04:59	
EPA 6020	Nickel	6.6	mg/kg	0.95	02/18/21 04:59	
EPA 6020	Potassium	837J	mg/kg	1110	02/18/21 04:59	D3
EPA 6020	Selenium	2.3	mg/kg	0.72	02/18/21 04:59	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
 without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40222095007</b>	<b>SB-07-7.5-8.0-20210209</b>					
EPA 6020	Sodium	315	mg/kg	180	02/18/21 04:59	
EPA 6020	Vanadium	8.3	mg/kg	0.91	02/18/21 04:59	
EPA 6020	Zinc	33.4	mg/kg	25.1	02/18/21 04:59	
EPA 8270E	Benzo(a)anthracene	0.055J	mg/kg	0.095	02/16/21 12:11	
EPA 8270E	Benzo(a)pyrene	0.088J	mg/kg	0.092	02/16/21 12:11	
EPA 8270E	Benzo(b)fluoranthene	0.12	mg/kg	0.11	02/16/21 12:11	
EPA 8270E	Benzo(g,h,i)perylene	0.070J	mg/kg	0.16	02/16/21 12:11	
EPA 8270E	Benzo(k)fluoranthene	0.089J	mg/kg	0.15	02/16/21 12:11	
EPA 8270E	Chrysene	0.079J	mg/kg	0.091	02/16/21 12:11	
EPA 8270E	Di-n-octylphthalate	0.063J	mg/kg	0.14	02/16/21 12:11	
EPA 8270E	Dibenz(a,h)anthracene	0.063J	mg/kg	0.17	02/16/21 12:11	
EPA 8270E	Fluoranthene	0.13	mg/kg	0.087	02/16/21 12:11	
EPA 8270E	Indeno(1,2,3-cd)pyrene	0.097J	mg/kg	0.13	02/16/21 12:11	CH
EPA 8270E	Phenanthrene	0.13	mg/kg	0.078	02/16/21 12:11	
EPA 8270E	Pyrene	0.10J	mg/kg	0.14	02/16/21 12:11	
ASTM D2974-87	Percent Moisture	9.0	%	0.10	02/12/21 12:38	
EPA 9045	pH at 25 Degrees C	8.38	Std. Units	0.100	02/16/21 08:20	H6
<b>40222095008</b>	<b>SB-08-7.5-8.0-20210210</b>					
EPA 6020	Aluminum	25100	mg/kg	335	02/18/21 05:06	
EPA 6020	Antimony	0.65J	mg/kg	0.85	02/18/21 05:06	D3
EPA 6020	Arsenic	12.6	mg/kg	1.1	02/18/21 05:06	
EPA 6020	Barium	200	mg/kg	1.1	02/18/21 05:06	
EPA 6020	Beryllium	0.89	mg/kg	0.85	02/18/21 05:06	
EPA 6020	Cadmium	0.16J	mg/kg	0.85	02/18/21 05:06	D3
EPA 6020	Calcium	4360	mg/kg	791	02/16/21 21:07	
EPA 6020	Chromium	28.2	mg/kg	2.6	02/18/21 05:06	
EPA 6020	Cobalt	9.4	mg/kg	0.85	02/18/21 05:06	
EPA 6020	Copper	20.9	mg/kg	2.3	02/18/21 05:06	
EPA 6020	Iron	30200	mg/kg	213	02/18/21 05:06	
EPA 6020	Lead	21.1	mg/kg	0.85	02/18/21 05:06	
EPA 6020	Magnesium	4820	mg/kg	213	02/18/21 05:06	
EPA 6020	Manganese	225	mg/kg	2.3	02/18/21 05:06	
EPA 6020	Nickel	23.8	mg/kg	1.1	02/18/21 05:06	
EPA 6020	Potassium	2670	mg/kg	1320	02/18/21 05:06	
EPA 6020	Selenium	2.9	mg/kg	0.85	02/18/21 05:06	
EPA 6020	Sodium	389	mg/kg	213	02/18/21 05:06	
EPA 6020	Thallium	0.33J	mg/kg	0.85	02/18/21 05:06	D3
EPA 6020	Vanadium	56.0	mg/kg	1.1	02/18/21 05:06	
EPA 6020	Zinc	84.9	mg/kg	29.7	02/18/21 05:06	
EPA 7471	Mercury	0.20	mg/kg	0.041	02/17/21 09:32	
EPA 8270E	2-Methylnaphthalene	0.31	mg/kg	0.19	02/16/21 15:42	
EPA 8270E	Anthracene	0.062J	mg/kg	0.12	02/16/21 15:42	
EPA 8270E	Benzo(a)anthracene	0.29	mg/kg	0.11	02/16/21 15:42	
EPA 8270E	Benzo(a)pyrene	0.24	mg/kg	0.11	02/16/21 15:42	
EPA 8270E	Benzo(b)fluoranthene	0.31	mg/kg	0.12	02/16/21 15:42	
EPA 8270E	Benzo(g,h,i)perylene	0.16J	mg/kg	0.19	02/16/21 15:42	
EPA 8270E	Benzo(k)fluoranthene	0.13J	mg/kg	0.17	02/16/21 15:42	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40222095008</b>	<b>SB-08-7.5-8.0-20210210</b>					
EPA 8270E	Carbazole	0.037J	mg/kg	0.11	02/16/21 15:42	
EPA 8270E	Chrysene	0.32	mg/kg	0.11	02/16/21 15:42	
EPA 8270E	Dibenzofuran	0.072J	mg/kg	0.088	02/16/21 15:42	
EPA 8270E	Fluoranthene	0.58	mg/kg	0.10	02/16/21 15:42	
EPA 8270E	Indeno(1,2,3-cd)pyrene	0.20	mg/kg	0.16	02/16/21 15:42	CH
EPA 8270E	Naphthalene	0.24J	mg/kg	0.25	02/16/21 15:42	
EPA 8270E	Phenanthrene	0.42	mg/kg	0.093	02/16/21 15:42	
EPA 8270E	Pyrene	0.40	mg/kg	0.16	02/16/21 15:42	
ASTM D2974-87	Percent Moisture	23.4	%	0.10	02/12/21 12:38	
EPA 9040	pH at 25 Degrees C	7.4	Std. Units	0.10	02/17/21 10:05	1q,H6
<b>40222095009</b>	<b>SB-09-3.5-4.0-20210209</b>					
EPA 6020	Aluminum	13000	mg/kg	288	02/18/21 05:13	
EPA 6020	Arsenic	9.4	mg/kg	0.97	02/18/21 05:13	
EPA 6020	Barium	43.7	mg/kg	0.96	02/18/21 05:13	
EPA 6020	Beryllium	0.53J	mg/kg	0.73	02/18/21 05:13	D3
EPA 6020	Calcium	46500	mg/kg	681	02/16/21 21:14	
EPA 6020	Chromium	20.5	mg/kg	2.2	02/18/21 05:13	
EPA 6020	Cobalt	8.8	mg/kg	0.73	02/18/21 05:13	
EPA 6020	Copper	13.2	mg/kg	2.0	02/18/21 05:13	
EPA 6020	Iron	21000	mg/kg	183	02/18/21 05:13	
EPA 6020	Lead	11.3	mg/kg	0.73	02/18/21 05:13	
EPA 6020	Magnesium	21600	mg/kg	183	02/18/21 05:13	
EPA 6020	Manganese	407	mg/kg	2.0	02/18/21 05:13	
EPA 6020	Nickel	23.8	mg/kg	0.97	02/18/21 05:13	
EPA 6020	Potassium	3950	mg/kg	1130	02/18/21 05:13	
EPA 6020	Selenium	1.3	mg/kg	0.73	02/18/21 05:13	
EPA 6020	Sodium	330	mg/kg	183	02/18/21 05:13	
EPA 6020	Thallium	0.22J	mg/kg	0.73	02/18/21 05:13	D3
EPA 6020	Vanadium	21.8	mg/kg	0.93	02/18/21 05:13	
EPA 6020	Zinc	56.9	mg/kg	25.5	02/18/21 05:13	
EPA 8260	Methylene Chloride	0.0031J	mg/kg	0.0088	02/17/21 11:38	
ASTM D2974-87	Percent Moisture	13.0	%	0.10	02/12/21 12:38	
EPA 9045	pH at 25 Degrees C	8.33	Std. Units	0.100	02/16/21 08:21	H6
<b>40222095010</b>	<b>SB-10-7.5-8.0-20210210</b>					
EPA 6020	Aluminum	6190	mg/kg	336	02/18/21 05:19	
EPA 6020	Antimony	0.63J	mg/kg	0.85	02/18/21 05:19	D3
EPA 6020	Arsenic	6.2	mg/kg	1.1	02/18/21 05:19	
EPA 6020	Barium	104	mg/kg	1.1	02/18/21 05:19	
EPA 6020	Beryllium	0.55J	mg/kg	0.85	02/18/21 05:19	D3
EPA 6020	Cadmium	0.70J	mg/kg	0.85	02/18/21 05:19	D3
EPA 6020	Calcium	99400	mg/kg	794	02/16/21 21:34	
EPA 6020	Chromium	11.4	mg/kg	2.6	02/18/21 05:19	
EPA 6020	Cobalt	4.0	mg/kg	0.85	02/18/21 05:19	
EPA 6020	Copper	19.7	mg/kg	2.3	02/18/21 05:19	
EPA 6020	Iron	11800	mg/kg	213	02/18/21 05:19	
EPA 6020	Lead	111	mg/kg	0.85	02/18/21 05:19	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40222095010</b>	<b>SB-10-7.5-8.0-20210210</b>					
EPA 6020	Magnesium	18400	mg/kg	213	02/18/21 05:19	
EPA 6020	Manganese	456	mg/kg	2.3	02/18/21 05:19	
EPA 6020	Nickel	12.5	mg/kg	1.1	02/18/21 05:19	
EPA 6020	Potassium	1000J	mg/kg	1320	02/18/21 05:19	D3
EPA 6020	Selenium	1.6	mg/kg	0.85	02/18/21 05:19	
EPA 6020	Silver	0.93	mg/kg	0.43	02/18/21 05:19	
EPA 6020	Sodium	505	mg/kg	213	02/18/21 05:19	
EPA 6020	Thallium	0.21J	mg/kg	0.85	02/18/21 05:19	D3
EPA 6020	Vanadium	18.2	mg/kg	1.1	02/18/21 05:19	
EPA 6020	Zinc	226	mg/kg	29.8	02/18/21 05:19	
EPA 7471	Mercury	0.28	mg/kg	0.044	02/17/21 09:37	
EPA 8270E	2-Methylnaphthalene	0.13J	mg/kg	0.19	02/16/21 16:24	
EPA 8270E	Anthracene	0.041J	mg/kg	0.11	02/16/21 16:24	
EPA 8270E	Benzo(a)anthracene	0.18	mg/kg	0.11	02/16/21 16:24	
EPA 8270E	Benzo(a)pyrene	0.18	mg/kg	0.11	02/16/21 16:24	
EPA 8270E	Benzo(b)fluoranthene	0.25	mg/kg	0.12	02/16/21 16:24	
EPA 8270E	Benzo(g,h,i)perylene	0.17J	mg/kg	0.19	02/16/21 16:24	
EPA 8270E	Benzo(k)fluoranthene	0.11J	mg/kg	0.17	02/16/21 16:24	
EPA 8270E	Carbazole	0.042J	mg/kg	0.11	02/16/21 16:24	
EPA 8270E	Chrysene	0.23	mg/kg	0.11	02/16/21 16:24	
EPA 8270E	Dibenzofuran	0.050J	mg/kg	0.086	02/16/21 16:24	
EPA 8270E	Fluoranthene	0.47	mg/kg	0.10	02/16/21 16:24	
EPA 8270E	Fluorene	0.027J	mg/kg	0.083	02/16/21 16:24	
EPA 8270E	Indeno(1,2,3-cd)pyrene	0.18	mg/kg	0.15	02/16/21 16:24	CH
EPA 8270E	Pentachlorophenol	0.47	mg/kg	0.16	02/16/21 16:24	
EPA 8270E	Phenanthrene	0.40	mg/kg	0.091	02/16/21 16:24	
EPA 8270E	Pyrene	0.37	mg/kg	0.16	02/16/21 16:24	
ASTM D2974-87	Percent Moisture	21.9	%	0.10	02/12/21 12:38	
EPA 9040	pH at 25 Degrees C	7.7	Std. Units	0.10	02/17/21 10:07	1q,H6
<b>40222095011</b>	<b>SB-11-4.0-4.5-20210210</b>					
EPA 6020	Aluminum	25000	mg/kg	331	02/18/21 05:26	
EPA 6020	Arsenic	4.8	mg/kg	3.3	02/18/21 06:54	
EPA 6020	Barium	102	mg/kg	1.1	02/18/21 05:26	
EPA 6020	Beryllium	0.93	mg/kg	0.84	02/18/21 05:26	
EPA 6020	Calcium	5630	mg/kg	782	02/16/21 21:41	
EPA 6020	Chromium	30.7	mg/kg	2.6	02/18/21 05:26	
EPA 6020	Cobalt	5.7	mg/kg	0.84	02/18/21 05:26	
EPA 6020	Copper	30.2	mg/kg	2.3	02/18/21 05:26	
EPA 6020	Iron	25900	mg/kg	210	02/18/21 05:26	
EPA 6020	Lead	15.0	mg/kg	0.84	02/18/21 05:26	
EPA 6020	Magnesium	5920	mg/kg	210	02/18/21 05:26	
EPA 6020	Manganese	164	mg/kg	2.3	02/18/21 05:26	
EPA 6020	Nickel	23.2	mg/kg	1.1	02/18/21 05:26	
EPA 6020	Potassium	2390	mg/kg	1300	02/18/21 05:26	
EPA 6020	Selenium	2.5	mg/kg	2.5	02/18/21 06:54	
EPA 6020	Sodium	585	mg/kg	210	02/18/21 05:26	
EPA 6020	Thallium	0.24J	mg/kg	0.84	02/18/21 05:26	D3

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: 10229523-009 CHAMPAIGN, IL HON  
 Pace Project No.: 40222095

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40222095011</b>	<b>SB-11-4.0-4.5-20210210</b>					
EPA 6020	Vanadium	46.3	mg/kg	1.1	02/18/21 05:26	
EPA 6020	Zinc	98.5	mg/kg	29.3	02/18/21 05:26	
EPA 7471	Mercury	0.067	mg/kg	0.044	02/17/21 09:39	
ASTM D2974-87	Percent Moisture	24.2	%	0.10	02/12/21 12:38	
EPA 9040	pH at 25 Degrees C	7.8	Std. Units	0.10	02/17/21 10:08	1q,H6
<b>40222095012</b>	<b>SB-12-1.0-1.5-20210209</b>					
EPA 6020	Aluminum	32400	mg/kg	317	02/18/21 05:33	
EPA 6020	Antimony	0.26J	mg/kg	0.81	02/18/21 05:33	D3
EPA 6020	Arsenic	19.9	mg/kg	3.2	02/18/21 07:00	
EPA 6020	Barium	152	mg/kg	1.1	02/18/21 05:33	
EPA 6020	Beryllium	1.5	mg/kg	0.81	02/18/21 05:33	
EPA 6020	Calcium	3760	mg/kg	750	02/16/21 21:47	
EPA 6020	Chromium	35.1	mg/kg	2.5	02/18/21 05:33	
EPA 6020	Cobalt	23.0	mg/kg	0.81	02/18/21 05:33	
EPA 6020	Copper	32.7	mg/kg	2.2	02/18/21 05:33	
EPA 6020	Iron	44800	mg/kg	202	02/18/21 05:33	
EPA 6020	Lead	19.6	mg/kg	0.81	02/18/21 05:33	
EPA 6020	Magnesium	5590	mg/kg	202	02/18/21 05:33	
EPA 6020	Manganese	372	mg/kg	2.2	02/18/21 05:33	
EPA 6020	Nickel	32.2	mg/kg	1.1	02/18/21 05:33	
EPA 6020	Potassium	3260	mg/kg	1250	02/18/21 05:33	
EPA 6020	Selenium	2.9	mg/kg	2.4	02/18/21 07:00	
EPA 6020	Sodium	1990	mg/kg	202	02/18/21 05:33	
EPA 6020	Thallium	0.29J	mg/kg	0.81	02/18/21 05:33	D3
EPA 6020	Vanadium	78.5	mg/kg	1.0	02/18/21 05:33	
EPA 6020	Zinc	79.1	mg/kg	28.1	02/18/21 05:33	
EPA 7471	Mercury	0.049	mg/kg	0.042	02/17/21 09:41	
ASTM D2974-87	Percent Moisture	20.1	%	0.10	02/12/21 12:38	
EPA 9040	pH at 25 Degrees C	8.2	Std. Units	0.10	02/17/21 10:10	1q,H6
<b>40222095013</b>	<b>SB-13-7.0-7.5-20210210</b>					
EPA 6020	Aluminum	12500	mg/kg	307	02/18/21 05:40	
EPA 6020	Arsenic	7.6	mg/kg	1.0	02/18/21 05:40	
EPA 6020	Barium	90.0	mg/kg	1.0	02/18/21 05:40	
EPA 6020	Beryllium	0.37J	mg/kg	0.78	02/18/21 05:40	D3
EPA 6020	Cadmium	0.15J	mg/kg	0.78	02/18/21 05:40	D3
EPA 6020	Calcium	45200	mg/kg	726	02/16/21 21:54	
EPA 6020	Chromium	17.6	mg/kg	2.4	02/18/21 05:40	
EPA 6020	Cobalt	5.7	mg/kg	0.78	02/18/21 05:40	
EPA 6020	Copper	16.4	mg/kg	2.1	02/18/21 05:40	
EPA 6020	Iron	16500	mg/kg	195	02/18/21 05:40	
EPA 6020	Lead	21.2	mg/kg	0.78	02/18/21 05:40	
EPA 6020	Magnesium	15900	mg/kg	195	02/18/21 05:40	
EPA 6020	Manganese	411	mg/kg	2.1	02/18/21 05:40	
EPA 6020	Nickel	15.8	mg/kg	1.0	02/18/21 05:40	
EPA 6020	Potassium	2230	mg/kg	1210	02/18/21 05:40	
EPA 6020	Selenium	1.4	mg/kg	0.78	02/18/21 05:40	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
 without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40222095013</b>	<b>SB-13-7.0-7.5-20210210</b>					
EPA 6020	Sodium	438	mg/kg	195	02/18/21 05:40	
EPA 6020	Thallium	0.18J	mg/kg	0.78	02/18/21 05:40	D3
EPA 6020	Vanadium	27.6	mg/kg	0.99	02/18/21 05:40	
EPA 6020	Zinc	74.4	mg/kg	27.2	02/18/21 05:40	
EPA 7471	Mercury	0.11	mg/kg	0.040	02/17/21 09:44	
EPA 8270E	2-Methylnaphthalene	0.064J	mg/kg	0.17	02/16/21 16:03	
EPA 8270E	Anthracene	0.054J	mg/kg	0.10	02/16/21 16:03	
EPA 8270E	Benzo(a)anthracene	0.14	mg/kg	0.10	02/16/21 16:03	
EPA 8270E	Benzo(a)pyrene	0.12	mg/kg	0.099	02/16/21 16:03	
EPA 8270E	Benzo(b)fluoranthene	0.17	mg/kg	0.11	02/16/21 16:03	
EPA 8270E	Benzo(g,h,i)perylene	0.10J	mg/kg	0.17	02/16/21 16:03	
EPA 8270E	Benzo(k)fluoranthene	0.056J	mg/kg	0.16	02/16/21 16:03	
EPA 8270E	Carbazole	0.041J	mg/kg	0.10	02/16/21 16:03	
EPA 8270E	Chrysene	0.17	mg/kg	0.098	02/16/21 16:03	
EPA 8270E	Dibenzofuran	0.027J	mg/kg	0.079	02/16/21 16:03	
EPA 8270E	Fluoranthene	0.33	mg/kg	0.093	02/16/21 16:03	
EPA 8270E	Fluorene	0.036J	mg/kg	0.077	02/16/21 16:03	
EPA 8270E	Indeno(1,2,3-cd)pyrene	0.11J	mg/kg	0.14	02/16/21 16:03	CH
EPA 8270E	Naphthalene	0.079J	mg/kg	0.23	02/16/21 16:03	
EPA 8270E	Phenanthrene	0.29	mg/kg	0.084	02/16/21 16:03	
EPA 8270E	Pyrene	0.24	mg/kg	0.15	02/16/21 16:03	
ASTM D2974-87	Percent Moisture	15.0	%	0.10	02/12/21 12:38	
EPA 9045	pH at 25 Degrees C	10.3	Std. Units	0.100	02/16/21 08:23	H6
<b>40222095014</b>	<b>SB-14-2.0-2.5-20210210</b>					
EPA 6020	Aluminum	11900	mg/kg	285	02/18/21 05:46	
EPA 6020	Antimony	0.75	mg/kg	0.72	02/18/21 05:46	
EPA 6020	Arsenic	9.8	mg/kg	0.96	02/18/21 05:46	
EPA 6020	Barium	86.8	mg/kg	0.95	02/18/21 05:46	
EPA 6020	Beryllium	0.64J	mg/kg	0.72	02/18/21 05:46	D3
EPA 6020	Cadmium	0.32J	mg/kg	0.72	02/18/21 05:46	D3
EPA 6020	Calcium	34600	mg/kg	673	02/16/21 22:01	
EPA 6020	Chromium	17.1	mg/kg	2.2	02/18/21 05:46	
EPA 6020	Cobalt	6.6	mg/kg	0.72	02/18/21 05:46	
EPA 6020	Copper	25.5	mg/kg	1.9	02/18/21 05:46	
EPA 6020	Iron	24300	mg/kg	181	02/18/21 05:46	
EPA 6020	Lead	53.1	mg/kg	0.72	02/18/21 05:46	
EPA 6020	Magnesium	8980	mg/kg	181	02/18/21 05:46	
EPA 6020	Manganese	295	mg/kg	2.0	02/18/21 05:46	
EPA 6020	Nickel	17.4	mg/kg	0.96	02/18/21 05:46	
EPA 6020	Potassium	1730	mg/kg	1120	02/18/21 05:46	
EPA 6020	Selenium	1.8	mg/kg	0.72	02/18/21 05:46	
EPA 6020	Sodium	723	mg/kg	181	02/18/21 05:46	
EPA 6020	Thallium	0.18J	mg/kg	0.72	02/18/21 05:46	D3
EPA 6020	Vanadium	28.1	mg/kg	0.92	02/18/21 05:46	
EPA 6020	Zinc	92.6	mg/kg	25.2	02/18/21 05:46	
EPA 7471	Mercury	0.091	mg/kg	0.039	02/17/21 09:46	
EPA 8270E	2-Methylnaphthalene	0.12J	mg/kg	0.17	02/16/21 16:45	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: 10229523-009 CHAMPAIGN, IL HON  
 Pace Project No.: 40222095

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>40222095014</b>	<b>SB-14-2.0-2.5-20210210</b>					
EPA 8270E	Anthracene	0.15	mg/kg	0.10	02/16/21 16:45	
EPA 8270E	Benzo(a)anthracene	0.51	mg/kg	0.10	02/16/21 16:45	
EPA 8270E	Benzo(a)pyrene	0.40	mg/kg	0.099	02/16/21 16:45	
EPA 8270E	Benzo(b)fluoranthene	0.53	mg/kg	0.11	02/16/21 16:45	
EPA 8270E	Benzo(g,h,i)perylene	0.23	mg/kg	0.17	02/16/21 16:45	
EPA 8270E	Benzo(k)fluoranthene	0.22	mg/kg	0.16	02/16/21 16:45	
EPA 8270E	Carbazole	0.071J	mg/kg	0.10	02/16/21 16:45	
EPA 8270E	Chrysene	0.51	mg/kg	0.098	02/16/21 16:45	
EPA 8270E	Dibenz(a,h)anthracene	0.077J	mg/kg	0.18	02/16/21 16:45	
EPA 8270E	Dibenzofuran	0.058J	mg/kg	0.079	02/16/21 16:45	
EPA 8270E	Fluoranthene	0.88	mg/kg	0.093	02/16/21 16:45	
EPA 8270E	Fluorene	0.064J	mg/kg	0.077	02/16/21 16:45	
EPA 8270E	Indeno(1,2,3-cd)pyrene	0.30	mg/kg	0.14	02/16/21 16:45	CH
EPA 8270E	Naphthalene	0.077J	mg/kg	0.23	02/16/21 16:45	
EPA 8270E	Phenanthrene	0.65	mg/kg	0.084	02/16/21 16:45	
EPA 8270E	Pyrene	0.72	mg/kg	0.15	02/16/21 16:45	
ASTM D2974-87	Percent Moisture	15.2	%	0.10	02/12/21 12:38	
EPA 9045	pH at 25 Degrees C	8.18	Std. Units	0.100	02/16/21 08:24	H6
<b>40222095015</b>	<b>SB-15-1.0-1.5-20210209</b>					
EPA 6020	Aluminum	22700	mg/kg	320	02/18/21 06:20	
EPA 6020	Antimony	0.56J	mg/kg	0.81	02/18/21 06:20	D3
EPA 6020	Arsenic	7.6	mg/kg	3.2	02/18/21 06:06	
EPA 6020	Barium	155	mg/kg	1.1	02/18/21 06:20	
EPA 6020	Beryllium	1.4	mg/kg	0.81	02/18/21 06:20	
EPA 6020	Calcium	2980	mg/kg	755	02/16/21 22:08	
EPA 6020	Chromium	23.3	mg/kg	2.5	02/18/21 06:20	
EPA 6020	Cobalt	6.9	mg/kg	0.81	02/18/21 06:20	
EPA 6020	Copper	28.3	mg/kg	2.2	02/18/21 06:20	
EPA 6020	Iron	23000	mg/kg	203	02/18/21 06:20	
EPA 6020	Lead	41.5	mg/kg	0.81	02/18/21 06:20	
EPA 6020	Magnesium	3600	mg/kg	203	02/18/21 06:20	
EPA 6020	Manganese	290	mg/kg	2.2	02/18/21 06:20	
EPA 6020	Nickel	15.6	mg/kg	1.1	02/18/21 06:20	
EPA 6020	Potassium	2340	mg/kg	1260	02/18/21 06:20	
EPA 6020	Selenium	3.1	mg/kg	2.4	02/18/21 06:06	
EPA 6020	Sodium	428	mg/kg	203	02/18/21 06:20	
EPA 6020	Thallium	0.27J	mg/kg	0.81	02/18/21 06:20	D3
EPA 6020	Vanadium	45.2	mg/kg	1.0	02/18/21 06:20	
EPA 6020	Zinc	110	mg/kg	28.3	02/18/21 06:20	
EPA 7471	Mercury	0.18	mg/kg	0.041	02/17/21 09:48	
EPA 8270E	Fluoranthene	0.032J	mg/kg	0.10	02/16/21 14:18	
EPA 8270E	Phenanthrene	0.045J	mg/kg	0.092	02/16/21 14:18	
ASTM D2974-87	Percent Moisture	22.6	%	0.10	02/12/21 12:38	
EPA 9040	pH at 25 Degrees C	7.2	Std. Units	0.10	02/17/21 10:13	1q,H6
<b>40222095016</b>	<b>SB-16-8.0-8.5-20210210</b>					
EPA 6020	Aluminum	28700	mg/kg	331	02/18/21 06:27	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
 without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40222095016</b>	<b>SB-16-8.0-8.5-20210210</b>					
EPA 6020	Antimony	0.58J	mg/kg	0.84	02/18/21 06:27	D3
EPA 6020	Arsenic	6.3	mg/kg	3.3	02/18/21 06:13	
EPA 6020	Barium	272	mg/kg	1.1	02/18/21 06:27	
EPA 6020	Beryllium	4.4	mg/kg	0.84	02/18/21 06:27	
EPA 6020	Calcium	91900	mg/kg	781	02/16/21 22:14	
EPA 6020	Chromium	14.9	mg/kg	2.6	02/18/21 06:27	
EPA 6020	Cobalt	5.6	mg/kg	0.84	02/18/21 06:27	
EPA 6020	Copper	18.7	mg/kg	2.3	02/18/21 06:27	
EPA 6020	Iron	20300	mg/kg	210	02/18/21 06:27	
EPA 6020	Lead	37.1	mg/kg	0.84	02/18/21 06:27	
EPA 6020	Magnesium	21500	mg/kg	210	02/18/21 06:27	
EPA 6020	Manganese	2700	mg/kg	2.3	02/18/21 06:27	
EPA 6020	Nickel	13.3	mg/kg	1.1	02/18/21 06:27	
EPA 6020	Potassium	2700	mg/kg	1300	02/18/21 06:27	
EPA 6020	Selenium	5.5	mg/kg	2.5	02/18/21 06:13	
EPA 6020	Sodium	1190	mg/kg	210	02/18/21 06:27	
EPA 6020	Thallium	0.32J	mg/kg	0.84	02/18/21 06:27	D3
EPA 6020	Vanadium	27.4	mg/kg	1.1	02/18/21 06:27	
EPA 6020	Zinc	66.1	mg/kg	29.3	02/18/21 06:27	
EPA 7471	Mercury	0.038J	mg/kg	0.045	02/17/21 09:50	
EPA 8270E	2-Methylnaphthalene	0.18J	mg/kg	0.39	02/16/21 15:00	
EPA 8270E	Fluoranthene	0.075J	mg/kg	0.21	02/16/21 15:00	
EPA 8270E	Naphthalene	0.16J	mg/kg	0.53	02/16/21 15:00	
EPA 8270E	Phenanthrene	0.14J	mg/kg	0.19	02/16/21 15:00	
EPA 8260	Carbon disulfide	0.016J	mg/kg	0.022	02/17/21 14:20	
ASTM D2974-87	Percent Moisture	25.8	%	0.10	02/12/21 12:38	
EPA 9040	pH at 25 Degrees C	7.2	Std. Units	0.10	02/17/21 10:15	1q,H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-01-7.5-8.0-20210209**    **Lab ID: 40222095001**    Collected: 02/09/21 10:30    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082    Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<0.022	mg/kg	0.072	0.022	1	02/15/21 11:47	02/16/21 13:11	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.022	mg/kg	0.072	0.022	1	02/15/21 11:47	02/16/21 13:11	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.022	mg/kg	0.072	0.022	1	02/15/21 11:47	02/16/21 13:11	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.022	mg/kg	0.072	0.022	1	02/15/21 11:47	02/16/21 13:11	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.022	mg/kg	0.072	0.022	1	02/15/21 11:47	02/16/21 13:11	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.022	mg/kg	0.072	0.022	1	02/15/21 11:47	02/16/21 13:11	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.022	mg/kg	0.072	0.022	1	02/15/21 11:47	02/16/21 13:11	11096-82-5	
PCB, Total	<0.022	mg/kg	0.072	0.022	1	02/15/21 11:47	02/16/21 13:11	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	90	%	67-102		1	02/15/21 11:47	02/16/21 13:11	877-09-8	
Decachlorobiphenyl (S)	83	%	47-114		1	02/15/21 11:47	02/16/21 13:11	2051-24-3	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	23300	mg/kg	375	113	6.667	02/15/21 05:25	02/18/21 03:39	7429-90-5	P6
Antimony	<0.24	mg/kg	0.95	0.24	6.667	02/15/21 05:25	02/18/21 03:39	7440-36-0	D3,M0
Arsenic	4.0	mg/kg	3.8	1.1	20	02/15/21 05:25	02/18/21 07:07	7440-38-2	
Barium	170	mg/kg	1.2	0.38	6.667	02/15/21 05:25	02/18/21 03:39	7440-39-3	
Beryllium	0.87J	mg/kg	0.95	0.20	6.667	02/15/21 05:25	02/18/21 03:39	7440-41-7	D3
Cadmium	<0.42	mg/kg	2.9	0.42	20	02/15/21 05:25	02/18/21 07:07	7440-43-9	D3
Calcium	9710	mg/kg	886	265	6.667	02/15/21 05:25	02/16/21 19:40	7440-70-2	P6
Chromium	25.6	mg/kg	2.9	0.87	6.667	02/15/21 05:25	02/18/21 03:39	7440-47-3	
Cobalt	5.7	mg/kg	0.95	0.26	6.667	02/15/21 05:25	02/18/21 03:39	7440-48-4	
Copper	24.7	mg/kg	2.6	0.77	6.667	02/15/21 05:25	02/18/21 03:39	7440-50-8	
Iron	19600	mg/kg	238	69.6	6.667	02/15/21 05:25	02/18/21 03:39	7439-89-6	P6
Lead	17.1	mg/kg	0.95	0.26	6.667	02/15/21 05:25	02/18/21 03:39	7439-92-1	
Magnesium	4890	mg/kg	238	65.7	6.667	02/15/21 05:25	02/18/21 03:39	7439-95-4	P6
Manganese	132	mg/kg	2.6	0.79	6.667	02/15/21 05:25	02/18/21 03:39	7439-96-5	M0,R1
Nickel	21.4	mg/kg	1.3	0.38	6.667	02/15/21 05:25	02/18/21 03:39	7440-02-0	
Potassium	2400	mg/kg	1480	443	6.667	02/15/21 05:25	02/18/21 03:39	7440-09-7	M0
Selenium	1.8J	mg/kg	2.9	0.78	20	02/15/21 05:25	02/18/21 07:07	7782-49-2	D3
Silver	<0.41	mg/kg	1.4	0.41	20	02/15/21 05:25	02/18/21 07:07	7440-22-4	D3
Sodium	665	mg/kg	238	60.0	6.667	02/15/21 05:25	02/18/21 03:39	7440-23-5	
Thallium	0.63J	mg/kg	0.95	0.16	6.667	02/15/21 05:25	02/18/21 03:39	7440-28-0	D3
Vanadium	43.0	mg/kg	1.2	0.36	6.667	02/15/21 05:25	02/18/21 03:39	7440-62-2	
Zinc	81.6	mg/kg	33.2	10	6.667	02/15/21 05:25	02/18/21 03:39	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.12	mg/kg	0.050	0.014	1	02/16/21 11:32	02/17/21 09:07	7439-97-6	M0,R1
<b>8270E MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270E    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<0.54	mg/kg	1.8	0.54	20	02/16/21 10:10	02/16/21 17:27	120-82-1	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Sample: **SB-01-7.5-8.0-20210209** Lab ID: **40222095001** Collected: 02/09/21 10:30 Received: 02/12/21 09:30 Matrix: Solid

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2-Dichlorobenzene	<1.5	mg/kg	5.0	1.5	20	02/16/21 10:10	02/16/21 17:27	95-50-1	
1,3-Dichlorobenzene	<0.66	mg/kg	2.2	0.66	20	02/16/21 10:10	02/16/21 17:27	541-73-1	
1,4-Dichlorobenzene	<0.67	mg/kg	2.2	0.67	20	02/16/21 10:10	02/16/21 17:27	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.2	mg/kg	4.1	1.2	20	02/16/21 10:10	02/16/21 17:27	108-60-1	
2,4,5-Trichlorophenol	<0.85	mg/kg	2.8	0.85	20	02/16/21 10:10	02/16/21 17:27	95-95-4	
2,4,6-Trichlorophenol	<0.73	mg/kg	2.4	0.73	20	02/16/21 10:10	02/16/21 17:27	88-06-2	
2,4-Dichlorophenol	<1.3	mg/kg	4.3	1.3	20	02/16/21 10:10	02/16/21 17:27	120-83-2	
2,4-Dimethylphenol	<0.95	mg/kg	3.2	0.95	20	02/16/21 10:10	02/16/21 17:27	105-67-9	
2,4-Dinitrophenol	<1.5	mg/kg	4.9	1.5	20	02/16/21 10:10	02/16/21 17:27	51-28-5	
2,4-Dinitrotoluene	<0.68	mg/kg	2.3	0.68	20	02/16/21 10:10	02/16/21 17:27	121-14-2	
2,6-Dinitrotoluene	<0.91	mg/kg	3.0	0.91	20	02/16/21 10:10	02/16/21 17:27	606-20-2	
2-Chloronaphthalene	<0.61	mg/kg	2.0	0.61	20	02/16/21 10:10	02/16/21 17:27	91-58-7	
2-Chlorophenol	<1.2	mg/kg	4.0	1.2	20	02/16/21 10:10	02/16/21 17:27	95-57-8	
2-Methylnaphthalene	<1.2	mg/kg	4.1	1.2	20	02/16/21 10:10	02/16/21 17:27	91-57-6	
2-Methylphenol(o-Cresol)	<0.87	mg/kg	2.9	0.87	20	02/16/21 10:10	02/16/21 17:27	95-48-7	
2-Nitroaniline	<1.4	mg/kg	4.5	1.4	20	02/16/21 10:10	02/16/21 17:27	88-74-4	
2-Nitrophenol	<1.5	mg/kg	5.0	1.5	20	02/16/21 10:10	02/16/21 17:27	88-75-5	
3&4-Methylphenol(m&p Cresol)	<0.88	mg/kg	2.9	0.88	20	02/16/21 10:10	02/16/21 17:27		
3,3'-Dichlorobenzidine	<1.3	mg/kg	4.3	1.3	20	02/16/21 10:10	02/16/21 17:27	91-94-1	
3-Nitroaniline	<0.81	mg/kg	2.7	0.81	20	02/16/21 10:10	02/16/21 17:27	99-09-2	3q
4,6-Dinitro-2-methylphenol	<1.5	mg/kg	4.9	1.5	20	02/16/21 10:10	02/16/21 17:27	534-52-1	
4-Bromophenylphenyl ether	<1.0	mg/kg	3.3	1.0	20	02/16/21 10:10	02/16/21 17:27	101-55-3	
4-Chloro-3-methylphenol	<1.5	mg/kg	5.0	1.5	20	02/16/21 10:10	02/16/21 17:27	59-50-7	
4-Chloroaniline	<0.79	mg/kg	2.6	0.79	20	02/16/21 10:10	02/16/21 17:27	106-47-8	3q
4-Chlorophenylphenyl ether	<0.89	mg/kg	3.0	0.89	20	02/16/21 10:10	02/16/21 17:27	7005-72-3	
4-Nitroaniline	<2.0	mg/kg	6.6	2.0	20	02/16/21 10:10	02/16/21 17:27	100-01-6	
4-Nitrophenol	<1.2	mg/kg	4.0	1.2	20	02/16/21 10:10	02/16/21 17:27	100-02-7	
Acenaphthene	<1.7	mg/kg	5.7	1.7	20	02/16/21 10:10	02/16/21 17:27	83-32-9	
Acenaphthylene	<1.7	mg/kg	5.7	1.7	20	02/16/21 10:10	02/16/21 17:27	208-96-8	
Anthracene	1.2J	mg/kg	2.5	0.77	20	02/16/21 10:10	02/16/21 17:27	120-12-7	
Benzo(a)anthracene	6.5	mg/kg	2.5	0.74	20	02/16/21 10:10	02/16/21 17:27	56-55-3	
Benzo(a)pyrene	6.7	mg/kg	2.4	0.72	20	02/16/21 10:10	02/16/21 17:27	50-32-8	
Benzo(b)fluoranthene	8.8	mg/kg	2.7	0.82	20	02/16/21 10:10	02/16/21 17:27	205-99-2	
Benzo(g,h,i)perylene	5.2	mg/kg	4.2	1.3	20	02/16/21 10:10	02/16/21 17:27	191-24-2	
Benzo(k)fluoranthene	3.7J	mg/kg	3.8	1.1	20	02/16/21 10:10	02/16/21 17:27	207-08-9	
Butylbenzylphthalate	<0.77	mg/kg	2.6	0.77	20	02/16/21 10:10	02/16/21 17:27	85-68-7	
Carbazole	1.1J	mg/kg	2.5	0.75	20	02/16/21 10:10	02/16/21 17:27	86-74-8	
Chrysene	9.1	mg/kg	2.4	0.72	20	02/16/21 10:10	02/16/21 17:27	218-01-9	
Di-n-butylphthalate	<0.72	mg/kg	2.4	0.72	20	02/16/21 10:10	02/16/21 17:27	84-74-2	
Di-n-octylphthalate	<1.1	mg/kg	3.6	1.1	20	02/16/21 10:10	02/16/21 17:27	117-84-0	
Dibenz(a,h)anthracene	<1.3	mg/kg	4.3	1.3	20	02/16/21 10:10	02/16/21 17:27	53-70-3	
Dibenzofuran	0.63J	mg/kg	1.9	0.58	20	02/16/21 10:10	02/16/21 17:27	132-64-9	
Diethylphthalate	<0.79	mg/kg	2.6	0.79	20	02/16/21 10:10	02/16/21 17:27	84-66-2	
Dimethylphthalate	<0.62	mg/kg	2.1	0.62	20	02/16/21 10:10	02/16/21 17:27	131-11-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Sample: **SB-01-7.5-8.0-20210209** Lab ID: **40222095001** Collected: 02/09/21 10:30 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Fluoranthene	19.2	mg/kg	2.3	0.68	20	02/16/21 10:10	02/16/21 17:27	206-44-0	
Fluorene	0.62J	mg/kg	1.9	0.56	20	02/16/21 10:10	02/16/21 17:27	86-73-7	
Hexachloro-1,3-butadiene	<1.2	mg/kg	4.1	1.2	20	02/16/21 10:10	02/16/21 17:27	87-68-3	
Hexachlorobenzene	<0.81	mg/kg	2.7	0.81	20	02/16/21 10:10	02/16/21 17:27	118-74-1	
Hexachlorocyclopentadiene	<1.1	mg/kg	3.8	1.1	20	02/16/21 10:10	02/16/21 17:27	77-47-4	
Hexachloroethane	<0.77	mg/kg	2.6	0.77	20	02/16/21 10:10	02/16/21 17:27	67-72-1	
Indeno(1,2,3-cd)pyrene	6.2	mg/kg	3.5	1.0	20	02/16/21 10:10	02/16/21 17:27	193-39-5	CH
Isophorone	<0.74	mg/kg	2.5	0.74	20	02/16/21 10:10	02/16/21 17:27	78-59-1	
N-Nitroso-di-n-propylamine	<0.76	mg/kg	2.5	0.76	20	02/16/21 10:10	02/16/21 17:27	621-64-7	
N-Nitrosodiphenylamine	<6.5	mg/kg	21.6	6.5	20	02/16/21 10:10	02/16/21 17:27	86-30-6	
Naphthalene	<1.7	mg/kg	5.6	1.7	20	02/16/21 10:10	02/16/21 17:27	91-20-3	
Nitrobenzene	<0.97	mg/kg	3.2	0.97	20	02/16/21 10:10	02/16/21 17:27	98-95-3	
Pentachlorophenol	<1.1	mg/kg	3.5	1.1	20	02/16/21 10:10	02/16/21 17:27	87-86-5	
Phenanthrene	14.8	mg/kg	2.0	0.61	20	02/16/21 10:10	02/16/21 17:27	85-01-8	
Phenol	<1.1	mg/kg	3.8	1.1	20	02/16/21 10:10	02/16/21 17:27	108-95-2	
Pyrene	16.1	mg/kg	3.5	1.1	20	02/16/21 10:10	02/16/21 17:27	129-00-0	
bis(2-Chloroethoxy)methane	<1.3	mg/kg	4.3	1.3	20	02/16/21 10:10	02/16/21 17:27	111-91-1	
bis(2-Chloroethyl) ether	<1.5	mg/kg	5.0	1.5	20	02/16/21 10:10	02/16/21 17:27	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.80	mg/kg	2.7	0.80	20	02/16/21 10:10	02/16/21 17:27	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	0	%	17-110		20	02/16/21 10:10	02/16/21 17:27	4165-60-0	S4
2-Fluorobiphenyl (S)	61	%	45-103		20	02/16/21 10:10	02/16/21 17:27	321-60-8	
Terphenyl-d14 (S)	71	%	46-100		20	02/16/21 10:10	02/16/21 17:27	1718-51-0	
Phenol-d6 (S)	0	%	11-109		20	02/16/21 10:10	02/16/21 17:27	13127-88-3	S4
2-Fluorophenol (S)	0	%	10-110		20	02/16/21 10:10	02/16/21 17:27	367-12-4	S4
2,4,6-Tribromophenol (S)	68	%	10-153		20	02/16/21 10:10	02/16/21 17:27	118-79-6	

**8260 MSV 5030/5035 Low Level** Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030

Pace Analytical Services - Green Bay

1,1,1-Trichloroethane	<0.0047	mg/kg	0.016	0.0047	1	02/16/21 05:00	02/16/21 17:23	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0073	mg/kg	0.024	0.0073	1	02/16/21 05:00	02/16/21 17:23	79-34-5	
1,1,2-Trichloroethane	<0.0045	mg/kg	0.015	0.0045	1	02/16/21 05:00	02/16/21 17:23	79-00-5	
1,1-Dichloroethane	<0.0060	mg/kg	0.020	0.0060	1	02/16/21 05:00	02/16/21 17:23	75-34-3	
1,1-Dichloroethene	<0.0050	mg/kg	0.017	0.0050	1	02/16/21 05:00	02/16/21 17:23	75-35-4	
1,2-Dichloroethane	<0.00059	mg/kg	0.0020	0.00059	1	02/16/21 05:00	02/16/21 17:23	107-06-2	
1,2-Dichloropropane	<0.0039	mg/kg	0.013	0.0039	1	02/16/21 05:00	02/16/21 17:23	78-87-5	
2-Butanone (MEK)	<0.011	mg/kg	0.036	0.011	1	02/16/21 05:00	02/16/21 17:23	78-93-3	
2-Hexanone	<0.017	mg/kg	0.055	0.017	1	02/16/21 05:00	02/16/21 17:23	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0042	mg/kg	0.014	0.0042	1	02/16/21 05:00	02/16/21 17:23	108-10-1	
Acetone	<0.069	mg/kg	0.23	0.069	1	02/16/21 05:00	02/16/21 17:23	67-64-1	
Benzene	<0.0040	mg/kg	0.013	0.0040	1	02/16/21 05:00	02/16/21 17:23	71-43-2	
Bromodichloromethane	<0.0036	mg/kg	0.012	0.0036	1	02/16/21 05:00	02/16/21 17:23	75-27-4	
Bromoform	<0.012	mg/kg	0.040	0.012	1	02/16/21 05:00	02/16/21 17:23	75-25-2	
Bromomethane	<0.0088	mg/kg	0.029	0.0088	1	02/16/21 05:00	02/16/21 17:23	74-83-9	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-01-7.5-8.0-20210209**      **Lab ID: 40222095001**      Collected: 02/09/21 10:30      Received: 02/12/21 09:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Carbon disulfide	<0.0049	mg/kg	0.016	0.0049	1	02/16/21 05:00	02/16/21 17:23	75-15-0	
Carbon tetrachloride	<0.0046	mg/kg	0.015	0.0046	1	02/16/21 05:00	02/16/21 17:23	56-23-5	
Chlorobenzene	<0.0043	mg/kg	0.014	0.0043	1	02/16/21 05:00	02/16/21 17:23	108-90-7	
Chloroethane	<0.0053	mg/kg	0.018	0.0053	1	02/16/21 05:00	02/16/21 17:23	75-00-3	
Chloroform	<0.0048	mg/kg	0.016	0.0048	1	02/16/21 05:00	02/16/21 17:23	67-66-3	
Chloromethane	<0.0036	mg/kg	0.012	0.0036	1	02/16/21 05:00	02/16/21 17:23	74-87-3	
Dibromochloromethane	<0.0037	mg/kg	0.012	0.0037	1	02/16/21 05:00	02/16/21 17:23	124-48-1	
Ethylbenzene	<0.0051	mg/kg	0.017	0.0051	1	02/16/21 05:00	02/16/21 17:23	100-41-4	
Methyl-tert-butyl ether	<0.0061	mg/kg	0.020	0.0061	1	02/16/21 05:00	02/16/21 17:23	1634-04-4	
Methylene Chloride	<0.0041	mg/kg	0.014	0.0041	1	02/16/21 05:00	02/16/21 17:23	75-09-2	
Styrene	<0.018	mg/kg	0.058	0.018	1	02/16/21 05:00	02/16/21 17:23	100-42-5	
Tetrachloroethene	<0.0072	mg/kg	0.024	0.0072	1	02/16/21 05:00	02/16/21 17:23	127-18-4	
Toluene	<0.0045	mg/kg	0.015	0.0045	1	02/16/21 05:00	02/16/21 17:23	108-88-3	
Trichloroethene	<0.0045	mg/kg	0.015	0.0045	1	02/16/21 05:00	02/16/21 17:23	79-01-6	
Vinyl chloride	<0.0071	mg/kg	0.024	0.0071	1	02/16/21 05:00	02/16/21 17:23	75-01-4	
Xylene (Total)	<0.013	mg/kg	0.042	0.013	1	02/16/21 05:00	02/16/21 17:23	1330-20-7	
cis-1,2-Dichloroethene	<0.0062	mg/kg	0.021	0.0062	1	02/16/21 05:00	02/16/21 17:23	156-59-2	
cis-1,3-Dichloropropene	<0.0084	mg/kg	0.028	0.0084	1	02/16/21 05:00	02/16/21 17:23	10061-01-5	
trans-1,2-Dichloroethene	<0.0043	mg/kg	0.014	0.0043	1	02/16/21 05:00	02/16/21 17:23	156-60-5	
trans-1,3-Dichloropropene	<0.0031	mg/kg	0.010	0.0031	1	02/16/21 05:00	02/16/21 17:23	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	93	%	70-130		1	02/16/21 05:00	02/16/21 17:23	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1	02/16/21 05:00	02/16/21 17:23	2037-26-5	
4-Bromofluorobenzene (S)	86	%	63-130		1	02/16/21 05:00	02/16/21 17:23	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	30.2	%	0.10	0.10	1		02/12/21 12:38		
<b>9040 pH</b>									
Analytical Method: EPA 9040									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	7.6	Std. Units	0.10	0.010	1		02/17/21 09:57		1q,H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-02-5.5-6.0-20210209** Lab ID: **40222095002** Collected: 02/09/21 14:05 Received: 02/12/21 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	<b>18600</b>	mg/kg	352	106	6.667	02/15/21 05:25	02/18/21 04:06	7429-90-5	
Antimony	<b>0.44J</b>	mg/kg	0.89	0.22	6.667	02/15/21 05:25	02/18/21 04:06	7440-36-0	D3
Arsenic	<b>11.0</b>	mg/kg	3.5	1.1	20	02/15/21 05:25	02/18/21 07:34	7440-38-2	
Barium	<b>154</b>	mg/kg	1.2	0.35	6.667	02/15/21 05:25	02/18/21 04:06	7440-39-3	
Beryllium	<b>0.85J</b>	mg/kg	0.89	0.19	6.667	02/15/21 05:25	02/18/21 04:06	7440-41-7	D3
Cadmium	<b>&lt;0.39</b>	mg/kg	2.7	0.39	20	02/15/21 05:25	02/18/21 07:34	7440-43-9	D3
Calcium	<b>9520</b>	mg/kg	832	249	6.667	02/15/21 05:25	02/16/21 20:20	7440-70-2	
Chromium	<b>21.2</b>	mg/kg	2.7	0.82	6.667	02/15/21 05:25	02/18/21 04:06	7440-47-3	
Cobalt	<b>7.4</b>	mg/kg	0.89	0.24	6.667	02/15/21 05:25	02/18/21 04:06	7440-48-4	
Copper	<b>24.6</b>	mg/kg	2.4	0.72	6.667	02/15/21 05:25	02/18/21 04:06	7440-50-8	
Iron	<b>21600</b>	mg/kg	224	65.3	6.667	02/15/21 05:25	02/18/21 04:06	7439-89-6	
Lead	<b>131</b>	mg/kg	0.89	0.24	6.667	02/15/21 05:25	02/18/21 04:06	7439-92-1	
Magnesium	<b>4330</b>	mg/kg	224	61.7	6.667	02/15/21 05:25	02/18/21 04:06	7439-95-4	
Manganese	<b>509</b>	mg/kg	2.5	0.74	6.667	02/15/21 05:25	02/18/21 04:06	7439-96-5	
Nickel	<b>18.4</b>	mg/kg	1.2	0.35	6.667	02/15/21 05:25	02/18/21 04:06	7440-02-0	
Potassium	<b>3740</b>	mg/kg	1390	416	6.667	02/15/21 05:25	02/18/21 04:06	7440-09-7	
Selenium	<b>2.4J</b>	mg/kg	2.7	0.73	20	02/15/21 05:25	02/18/21 07:34	7782-49-2	D3
Silver	<b>&lt;0.38</b>	mg/kg	1.3	0.38	20	02/15/21 05:25	02/18/21 07:34	7440-22-4	D3
Sodium	<b>1240</b>	mg/kg	224	56.3	6.667	02/15/21 05:25	02/18/21 04:06	7440-23-5	
Thallium	<b>0.65J</b>	mg/kg	0.89	0.15	6.667	02/15/21 05:25	02/18/21 04:06	7440-28-0	D3
Vanadium	<b>37.9</b>	mg/kg	1.1	0.34	6.667	02/15/21 05:25	02/18/21 04:06	7440-62-2	
Zinc	<b>103</b>	mg/kg	31.2	9.4	6.667	02/15/21 05:25	02/18/21 04:06	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<b>0.82</b>	mg/kg	0.045	0.013	1	02/16/21 11:32	02/17/21 09:13	7439-97-6	
<b>8270E MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<b>&lt;2.6</b>	mg/kg	8.8	2.6	100	02/16/21 10:10	02/16/21 17:48	120-82-1	
1,2-Dichlorobenzene	<b>&lt;7.4</b>	mg/kg	24.6	7.4	100	02/16/21 10:10	02/16/21 17:48	95-50-1	
1,3-Dichlorobenzene	<b>&lt;3.2</b>	mg/kg	10.8	3.2	100	02/16/21 10:10	02/16/21 17:48	541-73-1	
1,4-Dichlorobenzene	<b>&lt;3.3</b>	mg/kg	10.9	3.3	100	02/16/21 10:10	02/16/21 17:48	106-46-7	
2,2'-Oxybis(1-chloropropane)	<b>&lt;6.0</b>	mg/kg	20.1	6.0	100	02/16/21 10:10	02/16/21 17:48	108-60-1	
2,4,5-Trichlorophenol	<b>&lt;4.1</b>	mg/kg	13.8	4.1	100	02/16/21 10:10	02/16/21 17:48	95-95-4	
2,4,6-Trichlorophenol	<b>&lt;3.6</b>	mg/kg	11.9	3.6	100	02/16/21 10:10	02/16/21 17:48	88-06-2	
2,4-Dichlorophenol	<b>&lt;6.3</b>	mg/kg	20.9	6.3	100	02/16/21 10:10	02/16/21 17:48	120-83-2	
2,4-Dimethylphenol	<b>&lt;4.6</b>	mg/kg	15.4	4.6	100	02/16/21 10:10	02/16/21 17:48	105-67-9	
2,4-Dinitrophenol	<b>&lt;7.1</b>	mg/kg	23.8	7.1	100	02/16/21 10:10	02/16/21 17:48	51-28-5	
2,4-Dinitrotoluene	<b>&lt;3.4</b>	mg/kg	11.2	3.4	100	02/16/21 10:10	02/16/21 17:48	121-14-2	
2,6-Dinitrotoluene	<b>&lt;4.4</b>	mg/kg	14.8	4.4	100	02/16/21 10:10	02/16/21 17:48	606-20-2	
2-Chloronaphthalene	<b>&lt;3.0</b>	mg/kg	10.0	3.0	100	02/16/21 10:10	02/16/21 17:48	91-58-7	
2-Chlorophenol	<b>&lt;5.9</b>	mg/kg	19.5	5.9	100	02/16/21 10:10	02/16/21 17:48	95-57-8	
2-Methylnaphthalene	<b>&lt;6.1</b>	mg/kg	20.3	6.1	100	02/16/21 10:10	02/16/21 17:48	91-57-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-02-5.5-6.0-20210209** Lab ID: **40222095002** Collected: 02/09/21 14:05 Received: 02/12/21 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
2-Methylphenol(o-Cresol)	<4.3	mg/kg	14.2	4.3	100	02/16/21 10:10	02/16/21 17:48	95-48-7	
2-Nitroaniline	<6.7	mg/kg	22.3	6.7	100	02/16/21 10:10	02/16/21 17:48	88-74-4	
2-Nitrophenol	<7.4	mg/kg	24.7	7.4	100	02/16/21 10:10	02/16/21 17:48	88-75-5	
3&4-Methylphenol(m&p Cresol)	<4.3	mg/kg	14.3	4.3	100	02/16/21 10:10	02/16/21 17:48		
3,3'-Dichlorobenzidine	<6.4	mg/kg	21.2	6.4	100	02/16/21 10:10	02/16/21 17:48	91-94-1	
3-Nitroaniline	<4.0	mg/kg	13.3	4.0	100	02/16/21 10:10	02/16/21 17:48	99-09-2	3q
4,6-Dinitro-2-methylphenol	<7.2	mg/kg	24.1	7.2	100	02/16/21 10:10	02/16/21 17:48	534-52-1	
4-Bromophenylphenyl ether	<4.9	mg/kg	16.4	4.9	100	02/16/21 10:10	02/16/21 17:48	101-55-3	
4-Chloro-3-methylphenol	<7.3	mg/kg	24.3	7.3	100	02/16/21 10:10	02/16/21 17:48	59-50-7	
4-Chloroaniline	<3.9	mg/kg	12.8	3.9	100	02/16/21 10:10	02/16/21 17:48	106-47-8	3q
4-Chlorophenylphenyl ether	<4.4	mg/kg	14.6	4.4	100	02/16/21 10:10	02/16/21 17:48	7005-72-3	
4-Nitroaniline	<9.7	mg/kg	32.4	9.7	100	02/16/21 10:10	02/16/21 17:48	100-01-6	
4-Nitrophenol	<5.9	mg/kg	19.7	5.9	100	02/16/21 10:10	02/16/21 17:48	100-02-7	
Acenaphthene	<8.3	mg/kg	27.7	8.3	100	02/16/21 10:10	02/16/21 17:48	83-32-9	
Acenaphthylene	<8.4	mg/kg	27.9	8.4	100	02/16/21 10:10	02/16/21 17:48	208-96-8	
Anthracene	18.1	mg/kg	12.5	3.7	100	02/16/21 10:10	02/16/21 17:48	120-12-7	
Benzo(a)anthracene	28.3	mg/kg	12.1	3.6	100	02/16/21 10:10	02/16/21 17:48	56-55-3	
Benzo(a)pyrene	20.0	mg/kg	11.8	3.5	100	02/16/21 10:10	02/16/21 17:48	50-32-8	
Benzo(b)fluoranthene	24.5	mg/kg	13.4	4.0	100	02/16/21 10:10	02/16/21 17:48	205-99-2	
Benzo(g,h,i)perylene	10.1J	mg/kg	20.4	6.1	100	02/16/21 10:10	02/16/21 17:48	191-24-2	
Benzo(k)fluoranthene	9.4J	mg/kg	18.7	5.6	100	02/16/21 10:10	02/16/21 17:48	207-08-9	
Butylbenzylphthalate	<3.8	mg/kg	12.5	3.8	100	02/16/21 10:10	02/16/21 17:48	85-68-7	
Carbazole	<3.7	mg/kg	12.2	3.7	100	02/16/21 10:10	02/16/21 17:48	86-74-8	
Chrysene	27.1	mg/kg	11.7	3.5	100	02/16/21 10:10	02/16/21 17:48	218-01-9	
Di-n-butylphthalate	<3.5	mg/kg	11.7	3.5	100	02/16/21 10:10	02/16/21 17:48	84-74-2	
Di-n-octylphthalate	<5.3	mg/kg	17.6	5.3	100	02/16/21 10:10	02/16/21 17:48	117-84-0	
Dibenz(a,h)anthracene	<6.4	mg/kg	21.2	6.4	100	02/16/21 10:10	02/16/21 17:48	53-70-3	
Dibenzofuran	5.3J	mg/kg	9.5	2.8	100	02/16/21 10:10	02/16/21 17:48	132-64-9	
Diethylphthalate	<3.9	mg/kg	13.0	3.9	100	02/16/21 10:10	02/16/21 17:48	84-66-2	
Dimethylphthalate	<3.0	mg/kg	10.2	3.0	100	02/16/21 10:10	02/16/21 17:48	131-11-3	
Fluoranthene	59.8	mg/kg	11.1	3.3	100	02/16/21 10:10	02/16/21 17:48	206-44-0	
Fluorene	9.1J	mg/kg	9.1	2.7	100	02/16/21 10:10	02/16/21 17:48	86-73-7	
Hexachloro-1,3-butadiene	<6.0	mg/kg	19.9	6.0	100	02/16/21 10:10	02/16/21 17:48	87-68-3	
Hexachlorobenzene	<3.9	mg/kg	13.1	3.9	100	02/16/21 10:10	02/16/21 17:48	118-74-1	
Hexachlorocyclopentadiene	<5.5	mg/kg	18.5	5.5	100	02/16/21 10:10	02/16/21 17:48	77-47-4	
Hexachloroethane	<3.8	mg/kg	12.5	3.8	100	02/16/21 10:10	02/16/21 17:48	67-72-1	
Indeno(1,2,3-cd)pyrene	12.7J	mg/kg	16.9	5.1	100	02/16/21 10:10	02/16/21 17:48	193-39-5	CH
Isophorone	<3.6	mg/kg	12.0	3.6	100	02/16/21 10:10	02/16/21 17:48	78-59-1	
N-Nitroso-di-n-propylamine	<3.7	mg/kg	12.4	3.7	100	02/16/21 10:10	02/16/21 17:48	621-64-7	
N-Nitrosodiphenylamine	<31.8	mg/kg	106	31.8	100	02/16/21 10:10	02/16/21 17:48	86-30-6	
Naphthalene	<8.2	mg/kg	27.3	8.2	100	02/16/21 10:10	02/16/21 17:48	91-20-3	
Nitrobenzene	<4.8	mg/kg	15.8	4.8	100	02/16/21 10:10	02/16/21 17:48	98-95-3	
Pentachlorophenol	<5.2	mg/kg	17.2	5.2	100	02/16/21 10:10	02/16/21 17:48	87-86-5	
Phenanthrene	61.2	mg/kg	10.0	3.0	100	02/16/21 10:10	02/16/21 17:48	85-01-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-02-5.5-6.0-20210209**    **Lab ID: 40222095002**    Collected: 02/09/21 14:05    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenol	<5.6	mg/kg	18.5	5.6	100	02/16/21 10:10	02/16/21 17:48	108-95-2	
Pyrene	45.0	mg/kg	17.3	5.2	100	02/16/21 10:10	02/16/21 17:48	129-00-0	
bis(2-Chloroethoxy)methane	<6.3	mg/kg	21.0	6.3	100	02/16/21 10:10	02/16/21 17:48	111-91-1	
bis(2-Chloroethyl) ether	<7.3	mg/kg	24.4	7.3	100	02/16/21 10:10	02/16/21 17:48	111-44-4	
bis(2-Ethylhexyl)phthalate	<3.9	mg/kg	13.0	3.9	100	02/16/21 10:10	02/16/21 17:48	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	0	%	17-110		100	02/16/21 10:10	02/16/21 17:48	4165-60-0	S4
2-Fluorobiphenyl (S)	0	%	45-103		100	02/16/21 10:10	02/16/21 17:48	321-60-8	S4
Terphenyl-d14 (S)	0	%	46-100		100	02/16/21 10:10	02/16/21 17:48	1718-51-0	S4
Phenol-d6 (S)	0	%	11-109		100	02/16/21 10:10	02/16/21 17:48	13127-88-3	S4
2-Fluorophenol (S)	0	%	10-110		100	02/16/21 10:10	02/16/21 17:48	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	10-153		100	02/16/21 10:10	02/16/21 17:48	118-79-6	S4
<b>8260 MSV 5030/5035 Low Level</b> Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.0040	mg/kg	0.013	0.0040	1	02/16/21 05:00	02/16/21 17:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0061	mg/kg	0.020	0.0061	1	02/16/21 05:00	02/16/21 17:46	79-34-5	
1,1,2-Trichloroethane	<0.0038	mg/kg	0.013	0.0038	1	02/16/21 05:00	02/16/21 17:46	79-00-5	
1,1-Dichloroethane	<0.0050	mg/kg	0.017	0.0050	1	02/16/21 05:00	02/16/21 17:46	75-34-3	
1,1-Dichloroethene	<0.0042	mg/kg	0.014	0.0042	1	02/16/21 05:00	02/16/21 17:46	75-35-4	
1,2-Dichloroethane	<0.00050	mg/kg	0.0017	0.00050	1	02/16/21 05:00	02/16/21 17:46	107-06-2	
1,2-Dichloropropane	<0.0032	mg/kg	0.011	0.0032	1	02/16/21 05:00	02/16/21 17:46	78-87-5	
2-Butanone (MEK)	<0.0090	mg/kg	0.030	0.0090	1	02/16/21 05:00	02/16/21 17:46	78-93-3	
2-Hexanone	<0.014	mg/kg	0.046	0.014	1	02/16/21 05:00	02/16/21 17:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0035	mg/kg	0.012	0.0035	1	02/16/21 05:00	02/16/21 17:46	108-10-1	
Acetone	<0.058	mg/kg	0.19	0.058	1	02/16/21 05:00	02/16/21 17:46	67-64-1	
Benzene	<0.0033	mg/kg	0.011	0.0033	1	02/16/21 05:00	02/16/21 17:46	71-43-2	
Bromodichloromethane	<0.0030	mg/kg	0.010	0.0030	1	02/16/21 05:00	02/16/21 17:46	75-27-4	
Bromoform	<0.0099	mg/kg	0.033	0.0099	1	02/16/21 05:00	02/16/21 17:46	75-25-2	
Bromomethane	<0.0074	mg/kg	0.025	0.0074	1	02/16/21 05:00	02/16/21 17:46	74-83-9	
Carbon disulfide	<0.0041	mg/kg	0.014	0.0041	1	02/16/21 05:00	02/16/21 17:46	75-15-0	
Carbon tetrachloride	<0.0039	mg/kg	0.013	0.0039	1	02/16/21 05:00	02/16/21 17:46	56-23-5	
Chlorobenzene	<0.0036	mg/kg	0.012	0.0036	1	02/16/21 05:00	02/16/21 17:46	108-90-7	
Chloroethane	<0.0044	mg/kg	0.015	0.0044	1	02/16/21 05:00	02/16/21 17:46	75-00-3	
Chloroform	<0.0040	mg/kg	0.013	0.0040	1	02/16/21 05:00	02/16/21 17:46	67-66-3	
Chloromethane	<0.0030	mg/kg	0.010	0.0030	1	02/16/21 05:00	02/16/21 17:46	74-87-3	
Dibromochloromethane	<0.0031	mg/kg	0.010	0.0031	1	02/16/21 05:00	02/16/21 17:46	124-48-1	
Ethylbenzene	<0.0043	mg/kg	0.014	0.0043	1	02/16/21 05:00	02/16/21 17:46	100-41-4	
Methyl-tert-butyl ether	<0.0051	mg/kg	0.017	0.0051	1	02/16/21 05:00	02/16/21 17:46	1634-04-4	
Methylene Chloride	<0.0034	mg/kg	0.011	0.0034	1	02/16/21 05:00	02/16/21 17:46	75-09-2	
Styrene	<0.015	mg/kg	0.049	0.015	1	02/16/21 05:00	02/16/21 17:46	100-42-5	
Tetrachloroethene	<0.0060	mg/kg	0.020	0.0060	1	02/16/21 05:00	02/16/21 17:46	127-18-4	
Toluene	<0.0038	mg/kg	0.013	0.0038	1	02/16/21 05:00	02/16/21 17:46	108-88-3	
Trichloroethene	<0.0038	mg/kg	0.013	0.0038	1	02/16/21 05:00	02/16/21 17:46	79-01-6	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

**Sample: SB-02-5.5-6.0-20210209**    **Lab ID: 40222095002**    Collected: 02/09/21 14:05    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Vinyl chloride	<0.0060	mg/kg	0.020	0.0060	1	02/16/21 05:00	02/16/21 17:46	75-01-4	
Xylene (Total)	<0.011	mg/kg	0.035	0.011	1	02/16/21 05:00	02/16/21 17:46	1330-20-7	
cis-1,2-Dichloroethene	<0.0052	mg/kg	0.017	0.0052	1	02/16/21 05:00	02/16/21 17:46	156-59-2	
cis-1,3-Dichloropropene	<0.0070	mg/kg	0.023	0.0070	1	02/16/21 05:00	02/16/21 17:46	10061-01-5	
trans-1,2-Dichloroethene	<0.0036	mg/kg	0.012	0.0036	1	02/16/21 05:00	02/16/21 17:46	156-60-5	
trans-1,3-Dichloropropene	<0.0026	mg/kg	0.0086	0.0026	1	02/16/21 05:00	02/16/21 17:46	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	85	%	70-130		1	02/16/21 05:00	02/16/21 17:46	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1	02/16/21 05:00	02/16/21 17:46	2037-26-5	
4-Bromofluorobenzene (S)	89	%	63-130		1	02/16/21 05:00	02/16/21 17:46	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	28.8	%	0.10	0.10	1		02/12/21 12:38		
<b>9040 pH</b>									
Analytical Method: EPA 9040									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	8.3	Std. Units	0.10	0.010	1		02/17/21 10:00		1q,H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-03-9.0-9.5-20210209**    **Lab ID: 40222095003**    Collected: 02/09/21 10:00    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	<b>6860</b>	mg/kg	299	89.6	6.667	02/15/21 05:25	02/18/21 04:19	7429-90-5	
Antimony	<b>0.22J</b>	mg/kg	0.76	0.19	6.667	02/15/21 05:25	02/18/21 04:19	7440-36-0	D3
Arsenic	<b>10.3</b>	mg/kg	3.0	0.90	20	02/15/21 05:25	02/18/21 07:47	7440-38-2	
Barium	<b>35.8</b>	mg/kg	0.99	0.30	6.667	02/15/21 05:25	02/18/21 04:19	7440-39-3	
Beryllium	<b>0.32J</b>	mg/kg	0.76	0.16	6.667	02/15/21 05:25	02/18/21 04:19	7440-41-7	D3
Cadmium	<b>&lt;0.33</b>	mg/kg	2.3	0.33	20	02/15/21 05:25	02/18/21 07:47	7440-43-9	D3
Calcium	<b>1750</b>	mg/kg	705	211	6.667	02/15/21 05:25	02/16/21 20:34	7440-70-2	
Chromium	<b>11.7</b>	mg/kg	2.3	0.69	6.667	02/15/21 05:25	02/18/21 04:19	7440-47-3	
Cobalt	<b>3.0</b>	mg/kg	0.76	0.21	6.667	02/15/21 05:25	02/18/21 04:19	7440-48-4	
Copper	<b>20.4</b>	mg/kg	2.0	0.61	6.667	02/15/21 05:25	02/18/21 04:19	7440-50-8	
Iron	<b>18900</b>	mg/kg	189	55.3	6.667	02/15/21 05:25	02/18/21 04:19	7439-89-6	
Lead	<b>24.2</b>	mg/kg	0.76	0.21	6.667	02/15/21 05:25	02/18/21 04:19	7439-92-1	
Magnesium	<b>2000</b>	mg/kg	189	52.3	6.667	02/15/21 05:25	02/18/21 04:19	7439-95-4	
Manganese	<b>105</b>	mg/kg	2.1	0.63	6.667	02/15/21 05:25	02/18/21 04:19	7439-96-5	
Nickel	<b>13.6</b>	mg/kg	1.0	0.30	6.667	02/15/21 05:25	02/18/21 04:19	7440-02-0	
Potassium	<b>997J</b>	mg/kg	1170	353	6.667	02/15/21 05:25	02/18/21 04:19	7440-09-7	D3
Selenium	<b>1.3J</b>	mg/kg	2.3	0.62	20	02/15/21 05:25	02/18/21 07:47	7782-49-2	D3
Silver	<b>&lt;0.33</b>	mg/kg	1.1	0.33	20	02/15/21 05:25	02/18/21 07:47	7440-22-4	D3
Sodium	<b>263</b>	mg/kg	189	47.7	6.667	02/15/21 05:25	02/18/21 04:19	7440-23-5	
Thallium	<b>0.14J</b>	mg/kg	0.76	0.13	6.667	02/15/21 05:25	02/18/21 04:19	7440-28-0	D3
Vanadium	<b>23.6</b>	mg/kg	0.96	0.29	6.667	02/15/21 05:25	02/18/21 04:19	7440-62-2	
Zinc	<b>66.6</b>	mg/kg	26.4	7.9	6.667	02/15/21 05:25	02/18/21 04:19	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<b>0.012J</b>	mg/kg	0.039	0.011	1	02/16/21 11:32	02/17/21 09:16	7439-97-6	
<b>8270E MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270E    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<b>&lt;0.022</b>	mg/kg	0.072	0.022	1	02/16/21 10:10	02/16/21 12:32	120-82-1	
1,2-Dichlorobenzene	<b>&lt;0.060</b>	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 12:32	95-50-1	
1,3-Dichlorobenzene	<b>&lt;0.027</b>	mg/kg	0.088	0.027	1	02/16/21 10:10	02/16/21 12:32	541-73-1	
1,4-Dichlorobenzene	<b>&lt;0.027</b>	mg/kg	0.089	0.027	1	02/16/21 10:10	02/16/21 12:32	106-46-7	
2,2'-Oxybis(1-chloropropane)	<b>&lt;0.049</b>	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 12:32	108-60-1	
2,4,5-Trichlorophenol	<b>&lt;0.034</b>	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 12:32	95-95-4	
2,4,6-Trichlorophenol	<b>&lt;0.029</b>	mg/kg	0.097	0.029	1	02/16/21 10:10	02/16/21 12:32	88-06-2	
2,4-Dichlorophenol	<b>&lt;0.051</b>	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 12:32	120-83-2	
2,4-Dimethylphenol	<b>&lt;0.038</b>	mg/kg	0.13	0.038	1	02/16/21 10:10	02/16/21 12:32	105-67-9	
2,4-Dinitrophenol	<b>&lt;0.058</b>	mg/kg	0.19	0.058	1	02/16/21 10:10	02/16/21 12:32	51-28-5	
2,4-Dinitrotoluene	<b>&lt;0.027</b>	mg/kg	0.091	0.027	1	02/16/21 10:10	02/16/21 12:32	121-14-2	
2,6-Dinitrotoluene	<b>&lt;0.036</b>	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 12:32	606-20-2	
2-Chloronaphthalene	<b>&lt;0.025</b>	mg/kg	0.082	0.025	1	02/16/21 10:10	02/16/21 12:32	91-58-7	
2-Chlorophenol	<b>&lt;0.048</b>	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 12:32	95-57-8	
2-Methylnaphthalene	<b>&lt;0.050</b>	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 12:32	91-57-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Sample: **SB-03-9.0-9.5-20210209** Lab ID: **40222095003** Collected: 02/09/21 10:00 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
2-Methylphenol(o-Cresol)	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 12:32	95-48-7	
2-Nitroaniline	<0.055	mg/kg	0.18	0.055	1	02/16/21 10:10	02/16/21 12:32	88-74-4	
2-Nitrophenol	<0.060	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 12:32	88-75-5	
3&4-Methylphenol(m&p Cresol)	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 12:32		
3,3'-Dichlorobenzidine	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 12:32	91-94-1	
3-Nitroaniline	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 12:32	99-09-2	3q
4,6-Dinitro-2-methylphenol	<0.059	mg/kg	0.20	0.059	1	02/16/21 10:10	02/16/21 12:32	534-52-1	
4-Bromophenylphenyl ether	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 12:32	101-55-3	
4-Chloro-3-methylphenol	<0.060	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 12:32	59-50-7	
4-Chloroaniline	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 12:32	106-47-8	3q
4-Chlorophenylphenyl ether	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 12:32	7005-72-3	
4-Nitroaniline	<0.080	mg/kg	0.27	0.080	1	02/16/21 10:10	02/16/21 12:32	100-01-6	
4-Nitrophenol	<0.048	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 12:32	100-02-7	
Acenaphthene	<0.068	mg/kg	0.23	0.068	1	02/16/21 10:10	02/16/21 12:32	83-32-9	
Acenaphthylene	<0.068	mg/kg	0.23	0.068	1	02/16/21 10:10	02/16/21 12:32	208-96-8	
Anthracene	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 12:32	120-12-7	
Benzo(a)anthracene	<0.030	mg/kg	0.099	0.030	1	02/16/21 10:10	02/16/21 12:32	56-55-3	
Benzo(a)pyrene	0.044J	mg/kg	0.096	0.029	1	02/16/21 10:10	02/16/21 12:32	50-32-8	
Benzo(b)fluoranthene	0.042J	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 12:32	205-99-2	
Benzo(g,h,i)perylene	<0.050	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 12:32	191-24-2	
Benzo(k)fluoranthene	<0.046	mg/kg	0.15	0.046	1	02/16/21 10:10	02/16/21 12:32	207-08-9	
Butylbenzylphthalate	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 12:32	85-68-7	
Carbazole	<0.030	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 12:32	86-74-8	
Chrysene	<0.029	mg/kg	0.096	0.029	1	02/16/21 10:10	02/16/21 12:32	218-01-9	
Di-n-butylphthalate	<0.029	mg/kg	0.095	0.029	1	02/16/21 10:10	02/16/21 12:32	84-74-2	
Di-n-octylphthalate	<0.043	mg/kg	0.14	0.043	1	02/16/21 10:10	02/16/21 12:32	117-84-0	
Dibenz(a,h)anthracene	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 12:32	53-70-3	
Dibenzofuran	<0.023	mg/kg	0.077	0.023	1	02/16/21 10:10	02/16/21 12:32	132-64-9	
Diethylphthalate	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 12:32	84-66-2	
Dimethylphthalate	<0.025	mg/kg	0.083	0.025	1	02/16/21 10:10	02/16/21 12:32	131-11-3	
Fluoranthene	<0.027	mg/kg	0.090	0.027	1	02/16/21 10:10	02/16/21 12:32	206-44-0	
Fluorene	<0.022	mg/kg	0.075	0.022	1	02/16/21 10:10	02/16/21 12:32	86-73-7	
Hexachloro-1,3-butadiene	<0.049	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 12:32	87-68-3	
Hexachlorobenzene	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 12:32	118-74-1	
Hexachlorocyclopentadiene	<0.045	mg/kg	0.15	0.045	1	02/16/21 10:10	02/16/21 12:32	77-47-4	
Hexachloroethane	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 12:32	67-72-1	
Indeno(1,2,3-cd)pyrene	0.065J	mg/kg	0.14	0.041	1	02/16/21 10:10	02/16/21 12:32	193-39-5	CH
Isophorone	<0.029	mg/kg	0.098	0.029	1	02/16/21 10:10	02/16/21 12:32	78-59-1	
N-Nitroso-di-n-propylamine	<0.030	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 12:32	621-64-7	
N-Nitrosodiphenylamine	<0.26	mg/kg	0.87	0.26	1	02/16/21 10:10	02/16/21 12:32	86-30-6	
Naphthalene	<0.067	mg/kg	0.22	0.067	1	02/16/21 10:10	02/16/21 12:32	91-20-3	
Nitrobenzene	<0.039	mg/kg	0.13	0.039	1	02/16/21 10:10	02/16/21 12:32	98-95-3	
Pentachlorophenol	<0.042	mg/kg	0.14	0.042	1	02/16/21 10:10	02/16/21 12:32	87-86-5	
Phenanthrene	<0.025	mg/kg	0.082	0.025	1	02/16/21 10:10	02/16/21 12:32	85-01-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

**Sample: SB-03-9.0-9.5-20210209**    **Lab ID: 40222095003**    Collected: 02/09/21 10:00    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenol	<0.045	mg/kg	0.15	0.045	1	02/16/21 10:10	02/16/21 12:32	108-95-2	
Pyrene	<0.042	mg/kg	0.14	0.042	1	02/16/21 10:10	02/16/21 12:32	129-00-0	
bis(2-Chloroethoxy)methane	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 12:32	111-91-1	
bis(2-Chloroethyl) ether	<0.060	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 12:32	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 12:32	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	64	%	17-110		1	02/16/21 10:10	02/16/21 12:32	4165-60-0	
2-Fluorobiphenyl (S)	65	%	45-103		1	02/16/21 10:10	02/16/21 12:32	321-60-8	
Terphenyl-d14 (S)	73	%	46-100		1	02/16/21 10:10	02/16/21 12:32	1718-51-0	
Phenol-d6 (S)	62	%	11-109		1	02/16/21 10:10	02/16/21 12:32	13127-88-3	
2-Fluorophenol (S)	69	%	10-110		1	02/16/21 10:10	02/16/21 12:32	367-12-4	
2,4,6-Tribromophenol (S)	80	%	10-153		1	02/16/21 10:10	02/16/21 12:32	118-79-6	
<b>8260 MSV 5030/5035 Low Level</b> Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.0043	mg/kg	0.014	0.0043	1	02/17/21 05:00	02/17/21 09:43	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0065	mg/kg	0.022	0.0065	1	02/17/21 05:00	02/17/21 09:43	79-34-5	
1,1,2-Trichloroethane	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 09:43	79-00-5	
1,1-Dichloroethane	<0.0054	mg/kg	0.018	0.0054	1	02/17/21 05:00	02/17/21 09:43	75-34-3	
1,1-Dichloroethene	<0.0045	mg/kg	0.015	0.0045	1	02/17/21 05:00	02/17/21 09:43	75-35-4	
1,2-Dichloroethane	<0.00053	mg/kg	0.0018	0.00053	1	02/17/21 05:00	02/17/21 09:43	107-06-2	
1,2-Dichloropropane	<0.0035	mg/kg	0.012	0.0035	1	02/17/21 05:00	02/17/21 09:43	78-87-5	
2-Butanone (MEK)	<0.0097	mg/kg	0.032	0.0097	1	02/17/21 05:00	02/17/21 09:43	78-93-3	
2-Hexanone	<0.015	mg/kg	0.050	0.015	1	02/17/21 05:00	02/17/21 09:43	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0038	mg/kg	0.012	0.0038	1	02/17/21 05:00	02/17/21 09:43	108-10-1	
Acetone	<0.062	mg/kg	0.21	0.062	1	02/17/21 05:00	02/17/21 09:43	67-64-1	
Benzene	<0.0036	mg/kg	0.012	0.0036	1	02/17/21 05:00	02/17/21 09:43	71-43-2	
Bromodichloromethane	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 09:43	75-27-4	
Bromoform	<0.011	mg/kg	0.036	0.011	1	02/17/21 05:00	02/17/21 09:43	75-25-2	
Bromomethane	<0.0080	mg/kg	0.027	0.0080	1	02/17/21 05:00	02/17/21 09:43	74-83-9	
Carbon disulfide	<0.0044	mg/kg	0.015	0.0044	1	02/17/21 05:00	02/17/21 09:43	75-15-0	
Carbon tetrachloride	<0.0042	mg/kg	0.014	0.0042	1	02/17/21 05:00	02/17/21 09:43	56-23-5	
Chlorobenzene	<0.0039	mg/kg	0.013	0.0039	1	02/17/21 05:00	02/17/21 09:43	108-90-7	
Chloroethane	<0.0048	mg/kg	0.016	0.0048	1	02/17/21 05:00	02/17/21 09:43	75-00-3	
Chloroform	<0.0043	mg/kg	0.014	0.0043	1	02/17/21 05:00	02/17/21 09:43	67-66-3	
Chloromethane	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 09:43	74-87-3	
Dibromochloromethane	<0.0034	mg/kg	0.011	0.0034	1	02/17/21 05:00	02/17/21 09:43	124-48-1	
Ethylbenzene	<0.0046	mg/kg	0.015	0.0046	1	02/17/21 05:00	02/17/21 09:43	100-41-4	
Methyl-tert-butyl ether	<0.0055	mg/kg	0.018	0.0055	1	02/17/21 05:00	02/17/21 09:43	1634-04-4	
Methylene Chloride	<0.0037	mg/kg	0.012	0.0037	1	02/17/21 05:00	02/17/21 09:43	75-09-2	
Styrene	<0.016	mg/kg	0.052	0.016	1	02/17/21 05:00	02/17/21 09:43	100-42-5	
Tetrachloroethene	<0.0065	mg/kg	0.022	0.0065	1	02/17/21 05:00	02/17/21 09:43	127-18-4	
Toluene	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 09:43	108-88-3	
Trichloroethene	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 09:43	79-01-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-03-9.0-9.5-20210209 Lab ID: 40222095003** Collected: 02/09/21 10:00 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Vinyl chloride	<0.0064	mg/kg	0.021	0.0064	1	02/17/21 05:00	02/17/21 09:43	75-01-4	
Xylene (Total)	<0.011	mg/kg	0.038	0.011	1	02/17/21 05:00	02/17/21 09:43	1330-20-7	
cis-1,2-Dichloroethene	<0.0056	mg/kg	0.019	0.0056	1	02/17/21 05:00	02/17/21 09:43	156-59-2	
cis-1,3-Dichloropropene	<0.0075	mg/kg	0.025	0.0075	1	02/17/21 05:00	02/17/21 09:43	10061-01-5	
trans-1,2-Dichloroethene	<0.0039	mg/kg	0.013	0.0039	1	02/17/21 05:00	02/17/21 09:43	156-60-5	
trans-1,3-Dichloropropene	<0.0028	mg/kg	0.0092	0.0028	1	02/17/21 05:00	02/17/21 09:43	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	92	%	70-130		1	02/17/21 05:00	02/17/21 09:43	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1	02/17/21 05:00	02/17/21 09:43	2037-26-5	
4-Bromofluorobenzene (S)	86	%	63-130		1	02/17/21 05:00	02/17/21 09:43	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.8	%	0.10	0.10	1		02/12/21 12:38		
<b>9045 pH Soil</b>									
Analytical Method: EPA 9045									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	7.78	Std. Units	0.100	0.0100	1		02/16/21 08:11		H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Sample: SB-04-7.5-8.0-20210209 Lab ID: 40222095004 Collected: 02/09/21 10:55 Received: 02/12/21 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<0.017	mg/kg	0.056	0.017	1	02/15/21 11:47	02/16/21 13:33	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.017	mg/kg	0.056	0.017	1	02/15/21 11:47	02/16/21 13:33	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.017	mg/kg	0.056	0.017	1	02/15/21 11:47	02/16/21 13:33	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.017	mg/kg	0.056	0.017	1	02/15/21 11:47	02/16/21 13:33	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.017	mg/kg	0.056	0.017	1	02/15/21 11:47	02/16/21 13:33	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.017	mg/kg	0.056	0.017	1	02/15/21 11:47	02/16/21 13:33	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.017	mg/kg	0.056	0.017	1	02/15/21 11:47	02/16/21 13:33	11096-82-5	
PCB, Total	<0.017	mg/kg	0.056	0.017	1	02/15/21 11:47	02/16/21 13:33	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	72	%	67-102		1	02/15/21 11:47	02/16/21 13:33	877-09-8	
Decachlorobiphenyl (S)	55	%	47-114		1	02/15/21 11:47	02/16/21 13:33	2051-24-3	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	2670	mg/kg	274	82.3	6.667	02/15/21 05:25	02/18/21 04:26	7429-90-5	
Antimony	0.34J	mg/kg	0.70	0.17	6.667	02/15/21 05:25	02/18/21 04:26	7440-36-0	D3
Arsenic	4.4	mg/kg	0.92	0.28	6.667	02/15/21 05:25	02/18/21 04:26	7440-38-2	
Barium	9.1	mg/kg	0.91	0.27	6.667	02/15/21 05:25	02/18/21 04:26	7440-39-3	
Beryllium	<0.14	mg/kg	0.70	0.14	6.667	02/15/21 05:25	02/18/21 04:26	7440-41-7	D3
Cadmium	0.13J	mg/kg	0.70	0.10	6.667	02/15/21 05:25	02/18/21 04:26	7440-43-9	D3
Calcium	33500	mg/kg	647	194	6.667	02/15/21 05:25	02/16/21 20:40	7440-70-2	
Chromium	6.4	mg/kg	2.1	0.63	6.667	02/15/21 05:25	02/18/21 04:26	7440-47-3	
Cobalt	2.7	mg/kg	0.70	0.19	6.667	02/15/21 05:25	02/18/21 04:26	7440-48-4	
Copper	11.8	mg/kg	1.9	0.56	6.667	02/15/21 05:25	02/18/21 04:26	7440-50-8	
Iron	7570	mg/kg	174	50.8	6.667	02/15/21 05:25	02/18/21 04:26	7439-89-6	
Lead	16.7	mg/kg	0.70	0.19	6.667	02/15/21 05:25	02/18/21 04:26	7439-92-1	
Magnesium	17100	mg/kg	174	48.0	6.667	02/15/21 05:25	02/18/21 04:26	7439-95-4	
Manganese	340	mg/kg	1.9	0.58	6.667	02/15/21 05:25	02/18/21 04:26	7439-96-5	
Nickel	7.3	mg/kg	0.92	0.28	6.667	02/15/21 05:25	02/18/21 04:26	7440-02-0	
Potassium	688J	mg/kg	1080	324	6.667	02/15/21 05:25	02/18/21 04:26	7440-09-7	D3
Selenium	0.55J	mg/kg	0.70	0.19	6.667	02/15/21 05:25	02/18/21 04:26	7782-49-2	D3
Silver	<0.10	mg/kg	0.35	0.10	6.667	02/15/21 05:25	02/18/21 04:26	7440-22-4	D3
Sodium	195	mg/kg	174	43.9	6.667	02/15/21 05:25	02/18/21 04:26	7440-23-5	
Thallium	<0.12	mg/kg	0.70	0.12	6.667	02/15/21 05:25	02/18/21 04:26	7440-28-0	D3
Vanadium	13.7	mg/kg	0.88	0.27	6.667	02/15/21 05:25	02/18/21 04:26	7440-62-2	
Zinc	34.2	mg/kg	24.3	7.3	6.667	02/15/21 05:25	02/18/21 04:26	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.042	mg/kg	0.036	0.010	1	02/16/21 11:32	02/17/21 09:18	7439-97-6	
<b>8270E MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<1.1	mg/kg	3.5	1.1	50	02/16/21 10:10	02/16/21 17:06	120-82-1	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-04-7.5-8.0-20210209**    **Lab ID: 40222095004**    Collected: 02/09/21 10:55    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2-Dichlorobenzene	<3.0	mg/kg	9.8	3.0	50	02/16/21 10:10	02/16/21 17:06	95-50-1	
1,3-Dichlorobenzene	<1.3	mg/kg	4.3	1.3	50	02/16/21 10:10	02/16/21 17:06	541-73-1	
1,4-Dichlorobenzene	<1.3	mg/kg	4.4	1.3	50	02/16/21 10:10	02/16/21 17:06	106-46-7	
2,2'-Oxybis(1-chloropropane)	<2.4	mg/kg	8.1	2.4	50	02/16/21 10:10	02/16/21 17:06	108-60-1	
2,4,5-Trichlorophenol	<1.7	mg/kg	5.5	1.7	50	02/16/21 10:10	02/16/21 17:06	95-95-4	
2,4,6-Trichlorophenol	<1.4	mg/kg	4.8	1.4	50	02/16/21 10:10	02/16/21 17:06	88-06-2	
2,4-Dichlorophenol	<2.5	mg/kg	8.4	2.5	50	02/16/21 10:10	02/16/21 17:06	120-83-2	
2,4-Dimethylphenol	<1.9	mg/kg	6.2	1.9	50	02/16/21 10:10	02/16/21 17:06	105-67-9	
2,4-Dinitrophenol	<2.9	mg/kg	9.5	2.9	50	02/16/21 10:10	02/16/21 17:06	51-28-5	
2,4-Dinitrotoluene	<1.3	mg/kg	4.5	1.3	50	02/16/21 10:10	02/16/21 17:06	121-14-2	
2,6-Dinitrotoluene	<1.8	mg/kg	5.9	1.8	50	02/16/21 10:10	02/16/21 17:06	606-20-2	
2-Chloronaphthalene	<1.2	mg/kg	4.0	1.2	50	02/16/21 10:10	02/16/21 17:06	91-58-7	
2-Chlorophenol	<2.3	mg/kg	7.8	2.3	50	02/16/21 10:10	02/16/21 17:06	95-57-8	
2-Methylnaphthalene	<2.4	mg/kg	8.1	2.4	50	02/16/21 10:10	02/16/21 17:06	91-57-6	
2-Methylphenol(o-Cresol)	<1.7	mg/kg	5.7	1.7	50	02/16/21 10:10	02/16/21 17:06	95-48-7	
2-Nitroaniline	<2.7	mg/kg	8.9	2.7	50	02/16/21 10:10	02/16/21 17:06	88-74-4	
2-Nitrophenol	<3.0	mg/kg	9.9	3.0	50	02/16/21 10:10	02/16/21 17:06	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.7	mg/kg	5.7	1.7	50	02/16/21 10:10	02/16/21 17:06		
3,3'-Dichlorobenzidine	<2.5	mg/kg	8.5	2.5	50	02/16/21 10:10	02/16/21 17:06	91-94-1	
3-Nitroaniline	<1.6	mg/kg	5.3	1.6	50	02/16/21 10:10	02/16/21 17:06	99-09-2	3q
4,6-Dinitro-2-methylphenol	<2.9	mg/kg	9.6	2.9	50	02/16/21 10:10	02/16/21 17:06	534-52-1	
4-Bromophenylphenyl ether	<2.0	mg/kg	6.6	2.0	50	02/16/21 10:10	02/16/21 17:06	101-55-3	
4-Chloro-3-methylphenol	<2.9	mg/kg	9.7	2.9	50	02/16/21 10:10	02/16/21 17:06	59-50-7	
4-Chloroaniline	<1.5	mg/kg	5.1	1.5	50	02/16/21 10:10	02/16/21 17:06	106-47-8	3q
4-Chlorophenylphenyl ether	<1.7	mg/kg	5.8	1.7	50	02/16/21 10:10	02/16/21 17:06	7005-72-3	
4-Nitroaniline	<3.9	mg/kg	13.0	3.9	50	02/16/21 10:10	02/16/21 17:06	100-01-6	
4-Nitrophenol	<2.4	mg/kg	7.9	2.4	50	02/16/21 10:10	02/16/21 17:06	100-02-7	
Acenaphthene	<3.3	mg/kg	11.1	3.3	50	02/16/21 10:10	02/16/21 17:06	83-32-9	
Acenaphthylene	<3.3	mg/kg	11.2	3.3	50	02/16/21 10:10	02/16/21 17:06	208-96-8	
Anthracene	<1.5	mg/kg	5.0	1.5	50	02/16/21 10:10	02/16/21 17:06	120-12-7	
Benzo(a)anthracene	<1.5	mg/kg	4.8	1.5	50	02/16/21 10:10	02/16/21 17:06	56-55-3	
Benzo(a)pyrene	<1.4	mg/kg	4.7	1.4	50	02/16/21 10:10	02/16/21 17:06	50-32-8	
Benzo(b)fluoranthene	<1.6	mg/kg	5.4	1.6	50	02/16/21 10:10	02/16/21 17:06	205-99-2	
Benzo(g,h,i)perylene	<2.5	mg/kg	8.2	2.5	50	02/16/21 10:10	02/16/21 17:06	191-24-2	
Benzo(k)fluoranthene	<2.2	mg/kg	7.5	2.2	50	02/16/21 10:10	02/16/21 17:06	207-08-9	
Butylbenzylphthalate	<1.5	mg/kg	5.0	1.5	50	02/16/21 10:10	02/16/21 17:06	85-68-7	
Carbazole	<1.5	mg/kg	4.9	1.5	50	02/16/21 10:10	02/16/21 17:06	86-74-8	
Chrysene	<1.4	mg/kg	4.7	1.4	50	02/16/21 10:10	02/16/21 17:06	218-01-9	
Di-n-butylphthalate	<1.4	mg/kg	4.7	1.4	50	02/16/21 10:10	02/16/21 17:06	84-74-2	
Di-n-octylphthalate	<2.1	mg/kg	7.0	2.1	50	02/16/21 10:10	02/16/21 17:06	117-84-0	
Dibenz(a,h)anthracene	<2.5	mg/kg	8.5	2.5	50	02/16/21 10:10	02/16/21 17:06	53-70-3	
Dibenzofuran	<1.1	mg/kg	3.8	1.1	50	02/16/21 10:10	02/16/21 17:06	132-64-9	
Diethylphthalate	<1.6	mg/kg	5.2	1.6	50	02/16/21 10:10	02/16/21 17:06	84-66-2	
Dimethylphthalate	<1.2	mg/kg	4.1	1.2	50	02/16/21 10:10	02/16/21 17:06	131-11-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-04-7.5-8.0-20210209** Lab ID: **40222095004** Collected: 02/09/21 10:55 Received: 02/12/21 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Fluoranthene	<1.3	mg/kg	4.4	1.3	50	02/16/21 10:10	02/16/21 17:06	206-44-0	
Fluorene	<1.1	mg/kg	3.7	1.1	50	02/16/21 10:10	02/16/21 17:06	86-73-7	
Hexachloro-1,3-butadiene	<2.4	mg/kg	8.0	2.4	50	02/16/21 10:10	02/16/21 17:06	87-68-3	
Hexachlorobenzene	<1.6	mg/kg	5.3	1.6	50	02/16/21 10:10	02/16/21 17:06	118-74-1	
Hexachlorocyclopentadiene	<2.2	mg/kg	7.4	2.2	50	02/16/21 10:10	02/16/21 17:06	77-47-4	
Hexachloroethane	<1.5	mg/kg	5.0	1.5	50	02/16/21 10:10	02/16/21 17:06	67-72-1	
Indeno(1,2,3-cd)pyrene	<2.0	mg/kg	6.8	2.0	50	02/16/21 10:10	02/16/21 17:06	193-39-5	CH
Isophorone	<1.4	mg/kg	4.8	1.4	50	02/16/21 10:10	02/16/21 17:06	78-59-1	
N-Nitroso-di-n-propylamine	<1.5	mg/kg	5.0	1.5	50	02/16/21 10:10	02/16/21 17:06	621-64-7	
N-Nitrosodiphenylamine	<12.7	mg/kg	42.5	12.7	50	02/16/21 10:10	02/16/21 17:06	86-30-6	
Naphthalene	<3.3	mg/kg	10.9	3.3	50	02/16/21 10:10	02/16/21 17:06	91-20-3	
Nitrobenzene	<1.9	mg/kg	6.3	1.9	50	02/16/21 10:10	02/16/21 17:06	98-95-3	
Pentachlorophenol	<2.1	mg/kg	6.9	2.1	50	02/16/21 10:10	02/16/21 17:06	87-86-5	
Phenanthrene	<1.2	mg/kg	4.0	1.2	50	02/16/21 10:10	02/16/21 17:06	85-01-8	
Phenol	<2.2	mg/kg	7.4	2.2	50	02/16/21 10:10	02/16/21 17:06	108-95-2	D3
Pyrene	<2.1	mg/kg	6.9	2.1	50	02/16/21 10:10	02/16/21 17:06	129-00-0	
bis(2-Chloroethoxy)methane	<2.5	mg/kg	8.4	2.5	50	02/16/21 10:10	02/16/21 17:06	111-91-1	
bis(2-Chloroethyl) ether	<2.9	mg/kg	9.8	2.9	50	02/16/21 10:10	02/16/21 17:06	111-44-4	
bis(2-Ethylhexyl)phthalate	<1.6	mg/kg	5.2	1.6	50	02/16/21 10:10	02/16/21 17:06	117-81-7	

### Surrogates

Nitrobenzene-d5 (S)	0	%	17-110		50	02/16/21 10:10	02/16/21 17:06	4165-60-0	S4
2-Fluorobiphenyl (S)	0	%	45-103		50	02/16/21 10:10	02/16/21 17:06	321-60-8	S4
Terphenyl-d14 (S)	0	%	46-100		50	02/16/21 10:10	02/16/21 17:06	1718-51-0	S4
Phenol-d6 (S)	0	%	11-109		50	02/16/21 10:10	02/16/21 17:06	13127-88-3	S4
2-Fluorophenol (S)	0	%	10-110		50	02/16/21 10:10	02/16/21 17:06	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%	10-153		50	02/16/21 10:10	02/16/21 17:06	118-79-6	S4

### 8260 MSV Med Level Normal List

Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Pace Analytical Services - Green Bay

Acetone	<0.16	mg/kg	1.6	0.16	1	02/18/21 08:30	02/19/21 10:29	67-64-1	
Benzene	<0.015	mg/kg	0.025	0.015	1	02/18/21 08:30	02/19/21 10:29	71-43-2	
Bromodichloromethane	<0.015	mg/kg	0.062	0.015	1	02/18/21 08:30	02/19/21 10:29	75-27-4	
Bromoform	<0.27	mg/kg	0.31	0.27	1	02/18/21 08:30	02/19/21 10:29	75-25-2	
Bromomethane	<0.088	mg/kg	0.31	0.088	1	02/18/21 08:30	02/19/21 10:29	74-83-9	
2-Butanone (MEK)	<0.20	mg/kg	1.6	0.20	1	02/18/21 08:30	02/19/21 10:29	78-93-3	
Carbon disulfide	<0.021	mg/kg	0.062	0.021	1	02/18/21 08:30	02/19/21 10:29	75-15-0	
Carbon tetrachloride	<0.014	mg/kg	0.062	0.014	1	02/18/21 08:30	02/19/21 10:29	56-23-5	
Chlorobenzene	<0.0075	mg/kg	0.062	0.0075	1	02/18/21 08:30	02/19/21 10:29	108-90-7	
Chloroethane	<0.026	mg/kg	0.31	0.026	1	02/18/21 08:30	02/19/21 10:29	75-00-3	
Chloroform	<0.045	mg/kg	0.31	0.045	1	02/18/21 08:30	02/19/21 10:29	67-66-3	
Chloromethane	<0.024	mg/kg	0.062	0.024	1	02/18/21 08:30	02/19/21 10:29	74-87-3	
Dibromochloromethane	<0.21	mg/kg	0.31	0.21	1	02/18/21 08:30	02/19/21 10:29	124-48-1	
1,1-Dichloroethane	<0.016	mg/kg	0.062	0.016	1	02/18/21 08:30	02/19/21 10:29	75-34-3	
1,2-Dichloroethane	<0.014	mg/kg	0.062	0.014	1	02/18/21 08:30	02/19/21 10:29	107-06-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
 Pace Project No.: 40222095

**Sample: SB-04-7.5-8.0-20210209**    **Lab ID: 40222095004**    Collected: 02/09/21 10:55    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1-Dichloroethene	<0.021	mg/kg	0.062	0.021	1	02/18/21 08:30	02/19/21 10:29	75-35-4	
cis-1,2-Dichloroethene	<0.013	mg/kg	0.062	0.013	1	02/18/21 08:30	02/19/21 10:29	156-59-2	
trans-1,2-Dichloroethene	<0.013	mg/kg	0.062	0.013	1	02/18/21 08:30	02/19/21 10:29	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.062	0.015	1	02/18/21 08:30	02/19/21 10:29	78-87-5	
cis-1,3-Dichloropropene	<0.041	mg/kg	0.31	0.041	1	02/18/21 08:30	02/19/21 10:29	10061-01-5	
trans-1,3-Dichloropropene	<0.18	mg/kg	0.31	0.18	1	02/18/21 08:30	02/19/21 10:29	10061-02-6	
Ethylbenzene	<0.015	mg/kg	0.062	0.015	1	02/18/21 08:30	02/19/21 10:29	100-41-4	
2-Hexanone	<0.62	mg/kg	1.6	0.62	1	02/18/21 08:30	02/19/21 10:29	591-78-6	
Methylene Chloride	<0.017	mg/kg	0.062	0.017	1	02/18/21 08:30	02/19/21 10:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.91	mg/kg	1.6	0.91	1	02/18/21 08:30	02/19/21 10:29	108-10-1	
Methyl-tert-butyl ether	<0.018	mg/kg	0.062	0.018	1	02/18/21 08:30	02/19/21 10:29	1634-04-4	
Styrene	<0.016	mg/kg	0.062	0.016	1	02/18/21 08:30	02/19/21 10:29	100-42-5	
1,1,2,2-Tetrachloroethane	<0.023	mg/kg	0.062	0.023	1	02/18/21 08:30	02/19/21 10:29	79-34-5	
Tetrachloroethene	<0.024	mg/kg	0.062	0.024	1	02/18/21 08:30	02/19/21 10:29	127-18-4	
Toluene	<0.016	mg/kg	0.062	0.016	1	02/18/21 08:30	02/19/21 10:29	108-88-3	
1,1,1-Trichloroethane	<0.016	mg/kg	0.062	0.016	1	02/18/21 08:30	02/19/21 10:29	71-55-6	
1,1,2-Trichloroethane	<0.023	mg/kg	0.062	0.023	1	02/18/21 08:30	02/19/21 10:29	79-00-5	
Trichloroethene	<0.023	mg/kg	0.062	0.023	1	02/18/21 08:30	02/19/21 10:29	79-01-6	
Vinyl chloride	<0.013	mg/kg	0.062	0.013	1	02/18/21 08:30	02/19/21 10:29	75-01-4	
Xylene (Total)	<0.045	mg/kg	0.19	0.045	1	02/18/21 08:30	02/19/21 10:29	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	92	%	56-140		1	02/18/21 08:30	02/19/21 10:29	2037-26-5	2q
4-Bromofluorobenzene (S)	86	%	52-137		1	02/18/21 08:30	02/19/21 10:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	50-150		1	02/18/21 08:30	02/19/21 10:29	2199-69-1	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	11.1	%	0.10	0.10	1		02/12/21 12:38		
<b>9045 pH Soil</b>									
Analytical Method: EPA 9045									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	7.78	Std. Units	0.100	0.0100	1		02/16/21 08:17		H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

**Sample: SB-05-2.0-2.5-20210209**    **Lab ID: 40222095005**    Collected: 02/09/21 11:45    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	22900	mg/kg	330	99.1	6.667	02/15/21 05:25	02/18/21 06:47	7429-90-5	
Antimony	<0.21	mg/kg	0.84	0.21	6.667	02/15/21 05:25	02/18/21 06:47	7440-36-0	D3
Arsenic	8.6	mg/kg	1.1	0.33	6.667	02/15/21 05:25	02/18/21 06:47	7440-38-2	
Barium	118	mg/kg	1.1	0.33	6.667	02/15/21 05:25	02/18/21 06:47	7440-39-3	
Beryllium	0.71J	mg/kg	0.84	0.17	6.667	02/15/21 05:25	02/18/21 06:47	7440-41-7	D3
Cadmium	<0.12	mg/kg	0.84	0.12	6.667	02/15/21 05:25	02/18/21 06:47	7440-43-9	D3
Calcium	9950	mg/kg	780	233	6.667	02/15/21 05:25	02/16/21 20:47	7440-70-2	
Chromium	24.8	mg/kg	2.5	0.76	6.667	02/15/21 05:25	02/18/21 06:47	7440-47-3	
Cobalt	9.1	mg/kg	0.84	0.23	6.667	02/15/21 05:25	02/18/21 06:47	7440-48-4	
Copper	18.0	mg/kg	2.2	0.67	6.667	02/15/21 05:25	02/18/21 06:47	7440-50-8	
Iron	25300	mg/kg	210	61.2	6.667	02/15/21 05:25	02/18/21 06:47	7439-89-6	
Lead	15.9	mg/kg	0.84	0.23	6.667	02/15/21 05:25	02/18/21 06:47	7439-92-1	
Magnesium	4260	mg/kg	210	57.9	6.667	02/15/21 05:25	02/18/21 06:47	7439-95-4	
Manganese	379	mg/kg	2.3	0.69	6.667	02/15/21 05:25	02/18/21 06:47	7439-96-5	
Nickel	18.3	mg/kg	1.1	0.33	6.667	02/15/21 05:25	02/18/21 06:47	7440-02-0	
Potassium	2480	mg/kg	1300	390	6.667	02/15/21 05:25	02/18/21 06:47	7440-09-7	
Selenium	2.0	mg/kg	0.84	0.23	6.667	02/15/21 05:25	02/18/21 06:47	7782-49-2	
Silver	<0.12	mg/kg	0.42	0.12	6.667	02/15/21 05:25	02/18/21 06:47	7440-22-4	D3
Sodium	2050	mg/kg	210	52.8	6.667	02/15/21 05:25	02/18/21 06:47	7440-23-5	
Thallium	0.22J	mg/kg	0.84	0.14	6.667	02/15/21 05:25	02/18/21 06:47	7440-28-0	D3
Vanadium	47.8	mg/kg	1.1	0.32	6.667	02/15/21 05:25	02/18/21 06:47	7440-62-2	
Zinc	68.4	mg/kg	29.2	8.8	6.667	02/15/21 05:25	02/18/21 06:47	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.042	mg/kg	0.042	0.012	1	02/16/21 11:32	02/17/21 09:20	7439-97-6	
<b>8270E MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270E    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<0.026	mg/kg	0.085	0.026	1	02/16/21 10:10	02/16/21 15:21	120-82-1	
1,2-Dichlorobenzene	<0.071	mg/kg	0.24	0.071	1	02/16/21 10:10	02/16/21 15:21	95-50-1	
1,3-Dichlorobenzene	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 15:21	541-73-1	
1,4-Dichlorobenzene	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 15:21	106-46-7	
2,2'-Oxybis(1-chloropropane)	<0.058	mg/kg	0.19	0.058	1	02/16/21 10:10	02/16/21 15:21	108-60-1	
2,4,5-Trichlorophenol	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 15:21	95-95-4	
2,4,6-Trichlorophenol	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 15:21	88-06-2	
2,4-Dichlorophenol	<0.060	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 15:21	120-83-2	
2,4-Dimethylphenol	<0.045	mg/kg	0.15	0.045	1	02/16/21 10:10	02/16/21 15:21	105-67-9	
2,4-Dinitrophenol	<0.069	mg/kg	0.23	0.069	1	02/16/21 10:10	02/16/21 15:21	51-28-5	
2,4-Dinitrotoluene	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 15:21	121-14-2	
2,6-Dinitrotoluene	<0.043	mg/kg	0.14	0.043	1	02/16/21 10:10	02/16/21 15:21	606-20-2	
2-Chloronaphthalene	<0.029	mg/kg	0.097	0.029	1	02/16/21 10:10	02/16/21 15:21	91-58-7	
2-Chlorophenol	<0.056	mg/kg	0.19	0.056	1	02/16/21 10:10	02/16/21 15:21	95-57-8	
2-Methylnaphthalene	<0.059	mg/kg	0.20	0.059	1	02/16/21 10:10	02/16/21 15:21	91-57-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-05-2.0-2.5-20210209** Lab ID: **40222095005** Collected: 02/09/21 11:45 Received: 02/12/21 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
2-Methylphenol(o-Cresol)	<0.041	mg/kg	0.14	0.041	1	02/16/21 10:10	02/16/21 15:21	95-48-7	
2-Nitroaniline	<0.064	mg/kg	0.21	0.064	1	02/16/21 10:10	02/16/21 15:21	88-74-4	
2-Nitrophenol	<0.071	mg/kg	0.24	0.071	1	02/16/21 10:10	02/16/21 15:21	88-75-5	
3&4-Methylphenol(m&p Cresol)	<0.041	mg/kg	0.14	0.041	1	02/16/21 10:10	02/16/21 15:21		
3,3'-Dichlorobenzidine	<0.061	mg/kg	0.20	0.061	1	02/16/21 10:10	02/16/21 15:21	91-94-1	
3-Nitroaniline	<0.038	mg/kg	0.13	0.038	1	02/16/21 10:10	02/16/21 15:21	99-09-2	3q
4,6-Dinitro-2-methylphenol	<0.070	mg/kg	0.23	0.070	1	02/16/21 10:10	02/16/21 15:21	534-52-1	
4-Bromophenylphenyl ether	<0.047	mg/kg	0.16	0.047	1	02/16/21 10:10	02/16/21 15:21	101-55-3	
4-Chloro-3-methylphenol	<0.070	mg/kg	0.23	0.070	1	02/16/21 10:10	02/16/21 15:21	59-50-7	
4-Chloroaniline	<0.037	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 15:21	106-47-8	3q
4-Chlorophenylphenyl ether	<0.042	mg/kg	0.14	0.042	1	02/16/21 10:10	02/16/21 15:21	7005-72-3	
4-Nitroaniline	<0.094	mg/kg	0.31	0.094	1	02/16/21 10:10	02/16/21 15:21	100-01-6	
4-Nitrophenol	<0.057	mg/kg	0.19	0.057	1	02/16/21 10:10	02/16/21 15:21	100-02-7	
Acenaphthene	<0.080	mg/kg	0.27	0.080	1	02/16/21 10:10	02/16/21 15:21	83-32-9	
Acenaphthylene	<0.081	mg/kg	0.27	0.081	1	02/16/21 10:10	02/16/21 15:21	208-96-8	
Anthracene	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 15:21	120-12-7	
Benzo(a)anthracene	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 15:21	56-55-3	
Benzo(a)pyrene	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 15:21	50-32-8	
Benzo(b)fluoranthene	<0.039	mg/kg	0.13	0.039	1	02/16/21 10:10	02/16/21 15:21	205-99-2	
Benzo(g,h,i)perylene	<0.059	mg/kg	0.20	0.059	1	02/16/21 10:10	02/16/21 15:21	191-24-2	
Benzo(k)fluoranthene	<0.054	mg/kg	0.18	0.054	1	02/16/21 10:10	02/16/21 15:21	207-08-9	
Butylbenzylphthalate	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 15:21	85-68-7	
Carbazole	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 15:21	86-74-8	
Chrysene	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 15:21	218-01-9	
Di-n-butylphthalate	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 15:21	84-74-2	
Di-n-octylphthalate	<0.051	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 15:21	117-84-0	
Dibenz(a,h)anthracene	<0.061	mg/kg	0.20	0.061	1	02/16/21 10:10	02/16/21 15:21	53-70-3	
Dibenzofuran	<0.027	mg/kg	0.091	0.027	1	02/16/21 10:10	02/16/21 15:21	132-64-9	
Diethylphthalate	<0.037	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 15:21	84-66-2	
Dimethylphthalate	<0.029	mg/kg	0.098	0.029	1	02/16/21 10:10	02/16/21 15:21	131-11-3	
Fluoranthene	0.036J	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 15:21	206-44-0	
Fluorene	<0.026	mg/kg	0.088	0.026	1	02/16/21 10:10	02/16/21 15:21	86-73-7	
Hexachloro-1,3-butadiene	<0.057	mg/kg	0.19	0.057	1	02/16/21 10:10	02/16/21 15:21	87-68-3	
Hexachlorobenzene	<0.038	mg/kg	0.13	0.038	1	02/16/21 10:10	02/16/21 15:21	118-74-1	
Hexachlorocyclopentadiene	<0.053	mg/kg	0.18	0.053	1	02/16/21 10:10	02/16/21 15:21	77-47-4	
Hexachloroethane	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 15:21	67-72-1	
Indeno(1,2,3-cd)pyrene	<0.049	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 15:21	193-39-5	CH
Isophorone	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 15:21	78-59-1	
N-Nitroso-di-n-propylamine	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 15:21	621-64-7	
N-Nitrosodiphenylamine	<0.31	mg/kg	1.0	0.31	1	02/16/21 10:10	02/16/21 15:21	86-30-6	
Naphthalene	<0.079	mg/kg	0.26	0.079	1	02/16/21 10:10	02/16/21 15:21	91-20-3	
Nitrobenzene	<0.046	mg/kg	0.15	0.046	1	02/16/21 10:10	02/16/21 15:21	98-95-3	
Pentachlorophenol	<0.050	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 15:21	87-86-5	
Phenanthrene	<0.029	mg/kg	0.096	0.029	1	02/16/21 10:10	02/16/21 15:21	85-01-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

**Sample: SB-05-2.0-2.5-20210209**    **Lab ID: 40222095005**    Collected: 02/09/21 11:45    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenol	<0.054	mg/kg	0.18	0.054	1	02/16/21 10:10	02/16/21 15:21	108-95-2	
Pyrene	<0.050	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 15:21	129-00-0	
bis(2-Chloroethoxy)methane	<0.061	mg/kg	0.20	0.061	1	02/16/21 10:10	02/16/21 15:21	111-91-1	
bis(2-Chloroethyl) ether	<0.070	mg/kg	0.23	0.070	1	02/16/21 10:10	02/16/21 15:21	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.038	mg/kg	0.13	0.038	1	02/16/21 10:10	02/16/21 15:21	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	56	%	17-110		1	02/16/21 10:10	02/16/21 15:21	4165-60-0	
2-Fluorobiphenyl (S)	64	%	45-103		1	02/16/21 10:10	02/16/21 15:21	321-60-8	
Terphenyl-d14 (S)	70	%	46-100		1	02/16/21 10:10	02/16/21 15:21	1718-51-0	
Phenol-d6 (S)	50	%	11-109		1	02/16/21 10:10	02/16/21 15:21	13127-88-3	
2-Fluorophenol (S)	47	%	10-110		1	02/16/21 10:10	02/16/21 15:21	367-12-4	
2,4,6-Tribromophenol (S)	75	%	10-153		1	02/16/21 10:10	02/16/21 15:21	118-79-6	
<b>8260 MSV 5030/5035 Low Level</b> Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.0038	mg/kg	0.013	0.0038	1	02/17/21 05:00	02/17/21 10:06	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0059	mg/kg	0.020	0.0059	1	02/17/21 05:00	02/17/21 10:06	79-34-5	
1,1,2-Trichloroethane	<0.0037	mg/kg	0.012	0.0037	1	02/17/21 05:00	02/17/21 10:06	79-00-5	
1,1-Dichloroethane	<0.0049	mg/kg	0.016	0.0049	1	02/17/21 05:00	02/17/21 10:06	75-34-3	
1,1-Dichloroethene	<0.0040	mg/kg	0.013	0.0040	1	02/17/21 05:00	02/17/21 10:06	75-35-4	
1,2-Dichloroethane	<0.00048	mg/kg	0.0016	0.00048	1	02/17/21 05:00	02/17/21 10:06	107-06-2	
1,2-Dichloropropane	<0.0031	mg/kg	0.010	0.0031	1	02/17/21 05:00	02/17/21 10:06	78-87-5	
2-Butanone (MEK)	<0.0087	mg/kg	0.029	0.0087	1	02/17/21 05:00	02/17/21 10:06	78-93-3	
2-Hexanone	<0.013	mg/kg	0.045	0.013	1	02/17/21 05:00	02/17/21 10:06	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0034	mg/kg	0.011	0.0034	1	02/17/21 05:00	02/17/21 10:06	108-10-1	
Acetone	<0.056	mg/kg	0.19	0.056	1	02/17/21 05:00	02/17/21 10:06	67-64-1	
Benzene	<0.0032	mg/kg	0.011	0.0032	1	02/17/21 05:00	02/17/21 10:06	71-43-2	
Bromodichloromethane	<0.0029	mg/kg	0.0098	0.0029	1	02/17/21 05:00	02/17/21 10:06	75-27-4	
Bromoform	<0.0096	mg/kg	0.032	0.0096	1	02/17/21 05:00	02/17/21 10:06	75-25-2	
Bromomethane	<0.0072	mg/kg	0.024	0.0072	1	02/17/21 05:00	02/17/21 10:06	74-83-9	
Carbon disulfide	<0.0039	mg/kg	0.013	0.0039	1	02/17/21 05:00	02/17/21 10:06	75-15-0	
Carbon tetrachloride	<0.0037	mg/kg	0.012	0.0037	1	02/17/21 05:00	02/17/21 10:06	56-23-5	
Chlorobenzene	<0.0035	mg/kg	0.012	0.0035	1	02/17/21 05:00	02/17/21 10:06	108-90-7	
Chloroethane	<0.0043	mg/kg	0.014	0.0043	1	02/17/21 05:00	02/17/21 10:06	75-00-3	
Chloroform	<0.0038	mg/kg	0.013	0.0038	1	02/17/21 05:00	02/17/21 10:06	67-66-3	
Chloromethane	<0.0029	mg/kg	0.0098	0.0029	1	02/17/21 05:00	02/17/21 10:06	74-87-3	
Dibromochloromethane	<0.0030	mg/kg	0.010	0.0030	1	02/17/21 05:00	02/17/21 10:06	124-48-1	
Ethylbenzene	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 10:06	100-41-4	
Methyl-tert-butyl ether	<0.0049	mg/kg	0.016	0.0049	1	02/17/21 05:00	02/17/21 10:06	1634-04-4	
Methylene Chloride	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 10:06	75-09-2	
Styrene	<0.014	mg/kg	0.047	0.014	1	02/17/21 05:00	02/17/21 10:06	100-42-5	
Tetrachloroethene	<0.0058	mg/kg	0.019	0.0058	1	02/17/21 05:00	02/17/21 10:06	127-18-4	
Toluene	<0.0036	mg/kg	0.012	0.0036	1	02/17/21 05:00	02/17/21 10:06	108-88-3	
Trichloroethene	<0.0036	mg/kg	0.012	0.0036	1	02/17/21 05:00	02/17/21 10:06	79-01-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-05-2.0-2.5-20210209**    **Lab ID: 40222095005**    Collected: 02/09/21 11:45    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Vinyl chloride	<0.0058	mg/kg	0.019	0.0058	1	02/17/21 05:00	02/17/21 10:06	75-01-4	
Xylene (Total)	<0.010	mg/kg	0.034	0.010	1	02/17/21 05:00	02/17/21 10:06	1330-20-7	
cis-1,2-Dichloroethene	<0.0050	mg/kg	0.017	0.0050	1	02/17/21 05:00	02/17/21 10:06	156-59-2	
cis-1,3-Dichloropropene	<0.0068	mg/kg	0.023	0.0068	1	02/17/21 05:00	02/17/21 10:06	10061-01-5	
trans-1,2-Dichloroethene	<0.0035	mg/kg	0.012	0.0035	1	02/17/21 05:00	02/17/21 10:06	156-60-5	
trans-1,3-Dichloropropene	<0.0025	mg/kg	0.0083	0.0025	1	02/17/21 05:00	02/17/21 10:06	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	94	%	70-130		1	02/17/21 05:00	02/17/21 10:06	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1	02/17/21 05:00	02/17/21 10:06	2037-26-5	
4-Bromofluorobenzene (S)	85	%	63-130		1	02/17/21 05:00	02/17/21 10:06	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	25.9	%	0.10	0.10	1		02/12/21 12:38		
<b>9040 pH</b>									
Analytical Method: EPA 9040									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	8.0	Std. Units	0.10	0.010	1		02/17/21 10:01		1q,H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-06-5.0-5.5-20210209** Lab ID: **40222095006** Collected: 02/09/21 13:35 Received: 02/12/21 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
Pace Analytical Services - Green Bay									
PCB-1016 (Aroclor 1016)	<0.018	mg/kg	0.058	0.018	1	02/15/21 11:47	02/16/21 13:55	12674-11-2	
PCB-1221 (Aroclor 1221)	<0.018	mg/kg	0.058	0.018	1	02/15/21 11:47	02/16/21 13:55	11104-28-2	
PCB-1232 (Aroclor 1232)	<0.018	mg/kg	0.058	0.018	1	02/15/21 11:47	02/16/21 13:55	11141-16-5	
PCB-1242 (Aroclor 1242)	<0.018	mg/kg	0.058	0.018	1	02/15/21 11:47	02/16/21 13:55	53469-21-9	
PCB-1248 (Aroclor 1248)	<0.018	mg/kg	0.058	0.018	1	02/15/21 11:47	02/16/21 13:55	12672-29-6	
PCB-1254 (Aroclor 1254)	<0.018	mg/kg	0.058	0.018	1	02/15/21 11:47	02/16/21 13:55	11097-69-1	
PCB-1260 (Aroclor 1260)	<0.018	mg/kg	0.058	0.018	1	02/15/21 11:47	02/16/21 13:55	11096-82-5	
PCB, Total	<0.018	mg/kg	0.058	0.018	1	02/15/21 11:47	02/16/21 13:55	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	81	%	67-102		1	02/15/21 11:47	02/16/21 13:55	877-09-8	
Decachlorobiphenyl (S)	67	%	47-114		1	02/15/21 11:47	02/16/21 13:55	2051-24-3	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	4980	mg/kg	287	86.0	6.667	02/15/21 05:25	02/18/21 04:53	7429-90-5	
Antimony	0.20J	mg/kg	0.73	0.18	6.667	02/15/21 05:25	02/18/21 04:53	7440-36-0	D3
Arsenic	11.4	mg/kg	0.96	0.29	6.667	02/15/21 05:25	02/18/21 04:53	7440-38-2	
Barium	40.6	mg/kg	0.95	0.29	6.667	02/15/21 05:25	02/18/21 04:53	7440-39-3	
Beryllium	0.25J	mg/kg	0.73	0.15	6.667	02/15/21 05:25	02/18/21 04:53	7440-41-7	D3
Cadmium	0.11J	mg/kg	0.73	0.11	6.667	02/15/21 05:25	02/18/21 04:53	7440-43-9	D3
Calcium	41000	mg/kg	677	202	6.667	02/15/21 05:25	02/16/21 20:54	7440-70-2	
Chromium	8.7	mg/kg	2.2	0.66	6.667	02/15/21 05:25	02/18/21 04:53	7440-47-3	
Cobalt	4.7	mg/kg	0.73	0.20	6.667	02/15/21 05:25	02/18/21 04:53	7440-48-4	
Copper	14.3	mg/kg	1.9	0.58	6.667	02/15/21 05:25	02/18/21 04:53	7440-50-8	
Iron	16300	mg/kg	182	53.1	6.667	02/15/21 05:25	02/18/21 04:53	7439-89-6	
Lead	23.5	mg/kg	0.73	0.20	6.667	02/15/21 05:25	02/18/21 04:53	7439-92-1	
Magnesium	24900	mg/kg	182	50.2	6.667	02/15/21 05:25	02/18/21 04:53	7439-95-4	
Manganese	466	mg/kg	2.0	0.60	6.667	02/15/21 05:25	02/18/21 04:53	7439-96-5	
Nickel	12.6	mg/kg	0.96	0.29	6.667	02/15/21 05:25	02/18/21 04:53	7440-02-0	
Potassium	1000J	mg/kg	1130	339	6.667	02/15/21 05:25	02/18/21 04:53	7440-09-7	D3
Selenium	1.3	mg/kg	0.73	0.20	6.667	02/15/21 05:25	02/18/21 04:53	7782-49-2	
Silver	<0.10	mg/kg	0.36	0.10	6.667	02/15/21 05:25	02/18/21 04:53	7440-22-4	D3
Sodium	223	mg/kg	182	45.8	6.667	02/15/21 05:25	02/18/21 04:53	7440-23-5	
Thallium	<0.12	mg/kg	0.73	0.12	6.667	02/15/21 05:25	02/18/21 04:53	7440-28-0	D3
Vanadium	21.1	mg/kg	0.92	0.28	6.667	02/15/21 05:25	02/18/21 04:53	7440-62-2	
Zinc	43.3	mg/kg	25.4	7.6	6.667	02/15/21 05:25	02/18/21 04:53	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.010	mg/kg	0.037	0.010	1	02/16/21 11:32	02/17/21 09:23	7439-97-6	
<b>8270E MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<0.022	mg/kg	0.072	0.022	1	02/16/21 10:10	02/16/21 12:53	120-82-1	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-06-5.0-5.5-20210209**    **Lab ID: 40222095006**    Collected: 02/09/21 13:35    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2-Dichlorobenzene	<0.060	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 12:53	95-50-1	
1,3-Dichlorobenzene	<0.027	mg/kg	0.089	0.027	1	02/16/21 10:10	02/16/21 12:53	541-73-1	
1,4-Dichlorobenzene	<0.027	mg/kg	0.089	0.027	1	02/16/21 10:10	02/16/21 12:53	106-46-7	
2,2'-Oxybis(1-chloropropane)	<0.049	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 12:53	108-60-1	
2,4,5-Trichlorophenol	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 12:53	95-95-4	
2,4,6-Trichlorophenol	<0.029	mg/kg	0.098	0.029	1	02/16/21 10:10	02/16/21 12:53	88-06-2	
2,4-Dichlorophenol	<0.051	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 12:53	120-83-2	
2,4-Dimethylphenol	<0.038	mg/kg	0.13	0.038	1	02/16/21 10:10	02/16/21 12:53	105-67-9	
2,4-Dinitrophenol	<0.058	mg/kg	0.19	0.058	1	02/16/21 10:10	02/16/21 12:53	51-28-5	
2,4-Dinitrotoluene	<0.027	mg/kg	0.091	0.027	1	02/16/21 10:10	02/16/21 12:53	121-14-2	
2,6-Dinitrotoluene	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 12:53	606-20-2	
2-Chloronaphthalene	<0.025	mg/kg	0.082	0.025	1	02/16/21 10:10	02/16/21 12:53	91-58-7	
2-Chlorophenol	<0.048	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 12:53	95-57-8	
2-Methylnaphthalene	<0.050	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 12:53	91-57-6	
2-Methylphenol(o-Cresol)	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 12:53	95-48-7	
2-Nitroaniline	<0.055	mg/kg	0.18	0.055	1	02/16/21 10:10	02/16/21 12:53	88-74-4	
2-Nitrophenol	<0.061	mg/kg	0.20	0.061	1	02/16/21 10:10	02/16/21 12:53	88-75-5	
3&4-Methylphenol(m&p Cresol)	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 12:53		
3,3'-Dichlorobenzidine	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 12:53	91-94-1	
3-Nitroaniline	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 12:53	99-09-2	3q
4,6-Dinitro-2-methylphenol	<0.059	mg/kg	0.20	0.059	1	02/16/21 10:10	02/16/21 12:53	534-52-1	
4-Bromophenylphenyl ether	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 12:53	101-55-3	
4-Chloro-3-methylphenol	<0.060	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 12:53	59-50-7	
4-Chloroaniline	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 12:53	106-47-8	3q
4-Chlorophenylphenyl ether	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 12:53	7005-72-3	
4-Nitroaniline	<0.080	mg/kg	0.27	0.080	1	02/16/21 10:10	02/16/21 12:53	100-01-6	
4-Nitrophenol	<0.048	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 12:53	100-02-7	
Acenaphthene	<0.068	mg/kg	0.23	0.068	1	02/16/21 10:10	02/16/21 12:53	83-32-9	
Acenaphthylene	<0.068	mg/kg	0.23	0.068	1	02/16/21 10:10	02/16/21 12:53	208-96-8	
Anthracene	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 12:53	120-12-7	
Benzo(a)anthracene	<0.030	mg/kg	0.099	0.030	1	02/16/21 10:10	02/16/21 12:53	56-55-3	
Benzo(a)pyrene	0.032J	mg/kg	0.096	0.029	1	02/16/21 10:10	02/16/21 12:53	50-32-8	
Benzo(b)fluoranthene	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 12:53	205-99-2	
Benzo(g,h,i)perylene	<0.050	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 12:53	191-24-2	
Benzo(k)fluoranthene	<0.046	mg/kg	0.15	0.046	1	02/16/21 10:10	02/16/21 12:53	207-08-9	
Butylbenzylphthalate	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 12:53	85-68-7	
Carbazole	<0.030	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 12:53	86-74-8	
Chrysene	<0.029	mg/kg	0.096	0.029	1	02/16/21 10:10	02/16/21 12:53	218-01-9	
Di-n-butylphthalate	<0.029	mg/kg	0.096	0.029	1	02/16/21 10:10	02/16/21 12:53	84-74-2	
Di-n-octylphthalate	<0.043	mg/kg	0.14	0.043	1	02/16/21 10:10	02/16/21 12:53	117-84-0	
Dibenz(a,h)anthracene	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 12:53	53-70-3	
Dibenzofuran	<0.023	mg/kg	0.077	0.023	1	02/16/21 10:10	02/16/21 12:53	132-64-9	
Diethylphthalate	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 12:53	84-66-2	
Dimethylphthalate	<0.025	mg/kg	0.083	0.025	1	02/16/21 10:10	02/16/21 12:53	131-11-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-06-5.0-5.5-20210209** Lab ID: **40222095006** Collected: 02/09/21 13:35 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Fluoranthene	<0.027	mg/kg	0.090	0.027	1	02/16/21 10:10	02/16/21 12:53	206-44-0	
Fluorene	<0.022	mg/kg	0.075	0.022	1	02/16/21 10:10	02/16/21 12:53	86-73-7	
Hexachloro-1,3-butadiene	<0.049	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 12:53	87-68-3	
Hexachlorobenzene	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 12:53	118-74-1	
Hexachlorocyclopentadiene	<0.045	mg/kg	0.15	0.045	1	02/16/21 10:10	02/16/21 12:53	77-47-4	
Hexachloroethane	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 12:53	67-72-1	
Indeno(1,2,3-cd)pyrene	<0.042	mg/kg	0.14	0.042	1	02/16/21 10:10	02/16/21 12:53	193-39-5	CH
Isophorone	<0.029	mg/kg	0.098	0.029	1	02/16/21 10:10	02/16/21 12:53	78-59-1	
N-Nitroso-di-n-propylamine	<0.030	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 12:53	621-64-7	
N-Nitrosodiphenylamine	<0.26	mg/kg	0.87	0.26	1	02/16/21 10:10	02/16/21 12:53	86-30-6	
Naphthalene	<0.067	mg/kg	0.22	0.067	1	02/16/21 10:10	02/16/21 12:53	91-20-3	
Nitrobenzene	<0.039	mg/kg	0.13	0.039	1	02/16/21 10:10	02/16/21 12:53	98-95-3	
Pentachlorophenol	<0.042	mg/kg	0.14	0.042	1	02/16/21 10:10	02/16/21 12:53	87-86-5	
Phenanthrene	<0.025	mg/kg	0.082	0.025	1	02/16/21 10:10	02/16/21 12:53	85-01-8	
Phenol	<0.046	mg/kg	0.15	0.046	1	02/16/21 10:10	02/16/21 12:53	108-95-2	
Pyrene	<0.043	mg/kg	0.14	0.043	1	02/16/21 10:10	02/16/21 12:53	129-00-0	
bis(2-Chloroethoxy)methane	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 12:53	111-91-1	
bis(2-Chloroethyl) ether	<0.060	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 12:53	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 12:53	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	57	%	17-110		1	02/16/21 10:10	02/16/21 12:53	4165-60-0	
2-Fluorobiphenyl (S)	61	%	45-103		1	02/16/21 10:10	02/16/21 12:53	321-60-8	
Terphenyl-d14 (S)	73	%	46-100		1	02/16/21 10:10	02/16/21 12:53	1718-51-0	
Phenol-d6 (S)	58	%	11-109		1	02/16/21 10:10	02/16/21 12:53	13127-88-3	
2-Fluorophenol (S)	62	%	10-110		1	02/16/21 10:10	02/16/21 12:53	367-12-4	
2,4,6-Tribromophenol (S)	78	%	10-153		1	02/16/21 10:10	02/16/21 12:53	118-79-6	

**8260 MSV 5030/5035 Low Level** Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030

Pace Analytical Services - Green Bay

1,1,1-Trichloroethane	<0.0028	mg/kg	0.0095	0.0028	1	02/17/21 05:00	02/17/21 10:29	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0044	mg/kg	0.015	0.0044	1	02/17/21 05:00	02/17/21 10:29	79-34-5	
1,1,2-Trichloroethane	<0.0027	mg/kg	0.0090	0.0027	1	02/17/21 05:00	02/17/21 10:29	79-00-5	
1,1-Dichloroethane	<0.0036	mg/kg	0.012	0.0036	1	02/17/21 05:00	02/17/21 10:29	75-34-3	
1,1-Dichloroethene	<0.0030	mg/kg	0.010	0.0030	1	02/17/21 05:00	02/17/21 10:29	75-35-4	
1,2-Dichloroethane	<0.00036	mg/kg	0.0012	0.00036	1	02/17/21 05:00	02/17/21 10:29	107-06-2	
1,2-Dichloropropane	<0.0023	mg/kg	0.0077	0.0023	1	02/17/21 05:00	02/17/21 10:29	78-87-5	
2-Butanone (MEK)	<0.0064	mg/kg	0.021	0.0064	1	02/17/21 05:00	02/17/21 10:29	78-93-3	
2-Hexanone	<0.0099	mg/kg	0.033	0.0099	1	02/17/21 05:00	02/17/21 10:29	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0025	mg/kg	0.0083	0.0025	1	02/17/21 05:00	02/17/21 10:29	108-10-1	
Acetone	<0.041	mg/kg	0.14	0.041	1	02/17/21 05:00	02/17/21 10:29	67-64-1	
Benzene	<0.0024	mg/kg	0.0079	0.0024	1	02/17/21 05:00	02/17/21 10:29	71-43-2	
Bromodichloromethane	<0.0022	mg/kg	0.0072	0.0022	1	02/17/21 05:00	02/17/21 10:29	75-27-4	
Bromoform	<0.0071	mg/kg	0.024	0.0071	1	02/17/21 05:00	02/17/21 10:29	75-25-2	
Bromomethane	<0.0053	mg/kg	0.018	0.0053	1	02/17/21 05:00	02/17/21 10:29	74-83-9	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-06-5.0-5.5-20210209**    **Lab ID: 40222095006**    Collected: 02/09/21 13:35    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Carbon disulfide	<0.0029	mg/kg	0.0097	0.0029	1	02/17/21 05:00	02/17/21 10:29	75-15-0	
Carbon tetrachloride	<0.0028	mg/kg	0.0092	0.0028	1	02/17/21 05:00	02/17/21 10:29	56-23-5	
Chlorobenzene	<0.0026	mg/kg	0.0086	0.0026	1	02/17/21 05:00	02/17/21 10:29	108-90-7	
Chloroethane	<0.0032	mg/kg	0.011	0.0032	1	02/17/21 05:00	02/17/21 10:29	75-00-3	
Chloroform	<0.0028	mg/kg	0.0095	0.0028	1	02/17/21 05:00	02/17/21 10:29	67-66-3	
Chloromethane	<0.0022	mg/kg	0.0072	0.0022	1	02/17/21 05:00	02/17/21 10:29	74-87-3	
Dibromochloromethane	<0.0022	mg/kg	0.0074	0.0022	1	02/17/21 05:00	02/17/21 10:29	124-48-1	
Ethylbenzene	<0.0030	mg/kg	0.010	0.0030	1	02/17/21 05:00	02/17/21 10:29	100-41-4	
Methyl-tert-butyl ether	<0.0036	mg/kg	0.012	0.0036	1	02/17/21 05:00	02/17/21 10:29	1634-04-4	
Methylene Chloride	<0.0024	mg/kg	0.0081	0.0024	1	02/17/21 05:00	02/17/21 10:29	75-09-2	
Styrene	<0.010	mg/kg	0.035	0.010	1	02/17/21 05:00	02/17/21 10:29	100-42-5	
Tetrachloroethene	<0.0043	mg/kg	0.014	0.0043	1	02/17/21 05:00	02/17/21 10:29	127-18-4	
Toluene	<0.0027	mg/kg	0.0090	0.0027	1	02/17/21 05:00	02/17/21 10:29	108-88-3	
Trichloroethene	<0.0027	mg/kg	0.0090	0.0027	1	02/17/21 05:00	02/17/21 10:29	79-01-6	
Vinyl chloride	<0.0043	mg/kg	0.014	0.0043	1	02/17/21 05:00	02/17/21 10:29	75-01-4	
Xylene (Total)	<0.0076	mg/kg	0.025	0.0076	1	02/17/21 05:00	02/17/21 10:29	1330-20-7	
cis-1,2-Dichloroethene	<0.0037	mg/kg	0.012	0.0037	1	02/17/21 05:00	02/17/21 10:29	156-59-2	
cis-1,3-Dichloropropene	<0.0050	mg/kg	0.017	0.0050	1	02/17/21 05:00	02/17/21 10:29	10061-01-5	
trans-1,2-Dichloroethene	<0.0026	mg/kg	0.0087	0.0026	1	02/17/21 05:00	02/17/21 10:29	156-60-5	
trans-1,3-Dichloropropene	<0.0018	mg/kg	0.0062	0.0018	1	02/17/21 05:00	02/17/21 10:29	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	93	%	70-130		1	02/17/21 05:00	02/17/21 10:29	1868-53-7	5q
Toluene-d8 (S)	95	%	70-130		1	02/17/21 05:00	02/17/21 10:29	2037-26-5	
4-Bromofluorobenzene (S)	89	%	63-130		1	02/17/21 05:00	02/17/21 10:29	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.9	%	0.10	0.10	1		02/12/21 12:38		
<b>9045 pH Soil</b>									
Analytical Method: EPA 9045									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	7.86	Std. Units	0.100	0.0100	1		02/16/21 08:18		H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Sample: **SB-07-7.5-8.0-20210209** Lab ID: **40222095007** Collected: 02/09/21 12:45 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	2790	mg/kg	283	85.0	6.667	02/15/21 05:25	02/18/21 04:59	7429-90-5	
Antimony	<0.18	mg/kg	0.72	0.18	6.667	02/15/21 05:25	02/18/21 04:59	7440-36-0	D3
Arsenic	2.7	mg/kg	0.95	0.28	6.667	02/15/21 05:25	02/18/21 04:59	7440-38-2	
Barium	39.4	mg/kg	0.94	0.28	6.667	02/15/21 05:25	02/18/21 04:59	7440-39-3	
Beryllium	<0.15	mg/kg	0.72	0.15	6.667	02/15/21 05:25	02/18/21 04:59	7440-41-7	D3
Cadmium	<0.11	mg/kg	0.72	0.11	6.667	02/15/21 05:25	02/18/21 04:59	7440-43-9	D3
Calcium	53000	mg/kg	669	200	6.667	02/15/21 05:25	02/16/21 21:00	7440-70-2	
Chromium	5.7	mg/kg	2.2	0.66	6.667	02/15/21 05:25	02/18/21 04:59	7440-47-3	
Cobalt	1.9	mg/kg	0.72	0.20	6.667	02/15/21 05:25	02/18/21 04:59	7440-48-4	
Copper	12.8	mg/kg	1.9	0.58	6.667	02/15/21 05:25	02/18/21 04:59	7440-50-8	
Iron	6140	mg/kg	180	52.5	6.667	02/15/21 05:25	02/18/21 04:59	7439-89-6	
Lead	8.4	mg/kg	0.72	0.20	6.667	02/15/21 05:25	02/18/21 04:59	7439-92-1	
Magnesium	24500	mg/kg	180	49.6	6.667	02/15/21 05:25	02/18/21 04:59	7439-95-4	
Manganese	397	mg/kg	2.0	0.59	6.667	02/15/21 05:25	02/18/21 04:59	7439-96-5	
Nickel	6.6	mg/kg	0.95	0.28	6.667	02/15/21 05:25	02/18/21 04:59	7440-02-0	
Potassium	837J	mg/kg	1110	335	6.667	02/15/21 05:25	02/18/21 04:59	7440-09-7	D3
Selenium	2.3	mg/kg	0.72	0.20	6.667	02/15/21 05:25	02/18/21 04:59	7782-49-2	
Silver	<0.10	mg/kg	0.36	0.10	6.667	02/15/21 05:25	02/18/21 04:59	7440-22-4	D3
Sodium	315	mg/kg	180	45.3	6.667	02/15/21 05:25	02/18/21 04:59	7440-23-5	
Thallium	<0.12	mg/kg	0.72	0.12	6.667	02/15/21 05:25	02/18/21 04:59	7440-28-0	D3
Vanadium	8.3	mg/kg	0.91	0.27	6.667	02/15/21 05:25	02/18/21 04:59	7440-62-2	
Zinc	33.4	mg/kg	25.1	7.5	6.667	02/15/21 05:25	02/18/21 04:59	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.010	mg/kg	0.036	0.010	1	02/16/21 11:32	02/17/21 09:30	7439-97-6	
<b>8270E MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<0.021	mg/kg	0.069	0.021	1	02/16/21 10:10	02/16/21 12:11	120-82-1	
1,2-Dichlorobenzene	<0.058	mg/kg	0.19	0.058	1	02/16/21 10:10	02/16/21 12:11	95-50-1	
1,3-Dichlorobenzene	<0.025	mg/kg	0.085	0.025	1	02/16/21 10:10	02/16/21 12:11	541-73-1	
1,4-Dichlorobenzene	<0.026	mg/kg	0.085	0.026	1	02/16/21 10:10	02/16/21 12:11	106-46-7	
2,2'-Oxybis(1-chloropropane)	<0.047	mg/kg	0.16	0.047	1	02/16/21 10:10	02/16/21 12:11	108-60-1	
2,4,5-Trichlorophenol	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 12:11	95-95-4	
2,4,6-Trichlorophenol	<0.028	mg/kg	0.093	0.028	1	02/16/21 10:10	02/16/21 12:11	88-06-2	
2,4-Dichlorophenol	<0.049	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 12:11	120-83-2	
2,4-Dimethylphenol	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 12:11	105-67-9	
2,4-Dinitrophenol	<0.056	mg/kg	0.19	0.056	1	02/16/21 10:10	02/16/21 12:11	51-28-5	
2,4-Dinitrotoluene	<0.026	mg/kg	0.087	0.026	1	02/16/21 10:10	02/16/21 12:11	121-14-2	
2,6-Dinitrotoluene	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 12:11	606-20-2	
2-Chloronaphthalene	<0.024	mg/kg	0.079	0.024	1	02/16/21 10:10	02/16/21 12:11	91-58-7	
2-Chlorophenol	<0.046	mg/kg	0.15	0.046	1	02/16/21 10:10	02/16/21 12:11	95-57-8	
2-Methylnaphthalene	<0.048	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 12:11	91-57-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Sample: **SB-07-7.5-8.0-20210209** Lab ID: **40222095007** Collected: 02/09/21 12:45 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
2-Methylphenol(o-Cresol)	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 12:11	95-48-7	
2-Nitroaniline	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 12:11	88-74-4	
2-Nitrophenol	<0.058	mg/kg	0.19	0.058	1	02/16/21 10:10	02/16/21 12:11	88-75-5	
3&4-Methylphenol(m&p Cresol)	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 12:11		
3,3'-Dichlorobenzidine	<0.050	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 12:11	91-94-1	
3-Nitroaniline	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 12:11	99-09-2	3q
4,6-Dinitro-2-methylphenol	<0.057	mg/kg	0.19	0.057	1	02/16/21 10:10	02/16/21 12:11	534-52-1	
4-Bromophenylphenyl ether	<0.038	mg/kg	0.13	0.038	1	02/16/21 10:10	02/16/21 12:11	101-55-3	
4-Chloro-3-methylphenol	<0.057	mg/kg	0.19	0.057	1	02/16/21 10:10	02/16/21 12:11	59-50-7	
4-Chloroaniline	<0.030	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 12:11	106-47-8	3q
4-Chlorophenylphenyl ether	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 12:11	7005-72-3	
4-Nitroaniline	<0.076	mg/kg	0.25	0.076	1	02/16/21 10:10	02/16/21 12:11	100-01-6	
4-Nitrophenol	<0.046	mg/kg	0.15	0.046	1	02/16/21 10:10	02/16/21 12:11	100-02-7	
Acenaphthene	<0.065	mg/kg	0.22	0.065	1	02/16/21 10:10	02/16/21 12:11	83-32-9	
Acenaphthylene	<0.065	mg/kg	0.22	0.065	1	02/16/21 10:10	02/16/21 12:11	208-96-8	
Anthracene	<0.029	mg/kg	0.098	0.029	1	02/16/21 10:10	02/16/21 12:11	120-12-7	
Benzo(a)anthracene	0.055J	mg/kg	0.095	0.028	1	02/16/21 10:10	02/16/21 12:11	56-55-3	
Benzo(a)pyrene	0.088J	mg/kg	0.092	0.028	1	02/16/21 10:10	02/16/21 12:11	50-32-8	
Benzo(b)fluoranthene	0.12	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 12:11	205-99-2	
Benzo(g,h,i)perylene	0.070J	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 12:11	191-24-2	
Benzo(k)fluoranthene	0.089J	mg/kg	0.15	0.044	1	02/16/21 10:10	02/16/21 12:11	207-08-9	
Butylbenzylphthalate	<0.029	mg/kg	0.098	0.029	1	02/16/21 10:10	02/16/21 12:11	85-68-7	
Carbazole	<0.029	mg/kg	0.096	0.029	1	02/16/21 10:10	02/16/21 12:11	86-74-8	
Chrysene	0.079J	mg/kg	0.091	0.027	1	02/16/21 10:10	02/16/21 12:11	218-01-9	
Di-n-butylphthalate	<0.027	mg/kg	0.091	0.027	1	02/16/21 10:10	02/16/21 12:11	84-74-2	
Di-n-octylphthalate	0.063J	mg/kg	0.14	0.041	1	02/16/21 10:10	02/16/21 12:11	117-84-0	
Dibenz(a,h)anthracene	0.063J	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 12:11	53-70-3	
Dibenzofuran	<0.022	mg/kg	0.074	0.022	1	02/16/21 10:10	02/16/21 12:11	132-64-9	
Diethylphthalate	<0.030	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 12:11	84-66-2	
Dimethylphthalate	<0.024	mg/kg	0.080	0.024	1	02/16/21 10:10	02/16/21 12:11	131-11-3	
Fluoranthene	0.13	mg/kg	0.087	0.026	1	02/16/21 10:10	02/16/21 12:11	206-44-0	
Fluorene	<0.021	mg/kg	0.072	0.021	1	02/16/21 10:10	02/16/21 12:11	86-73-7	
Hexachloro-1,3-butadiene	<0.047	mg/kg	0.16	0.047	1	02/16/21 10:10	02/16/21 12:11	87-68-3	
Hexachlorobenzene	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 12:11	118-74-1	
Hexachlorocyclopentadiene	<0.043	mg/kg	0.14	0.043	1	02/16/21 10:10	02/16/21 12:11	77-47-4	
Hexachloroethane	<0.029	mg/kg	0.098	0.029	1	02/16/21 10:10	02/16/21 12:11	67-72-1	
Indeno(1,2,3-cd)pyrene	0.097J	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 12:11	193-39-5	CH
Isophorone	<0.028	mg/kg	0.094	0.028	1	02/16/21 10:10	02/16/21 12:11	78-59-1	
N-Nitroso-di-n-propylamine	<0.029	mg/kg	0.097	0.029	1	02/16/21 10:10	02/16/21 12:11	621-64-7	
N-Nitrosodiphenylamine	<0.25	mg/kg	0.83	0.25	1	02/16/21 10:10	02/16/21 12:11	86-30-6	
Naphthalene	<0.064	mg/kg	0.21	0.064	1	02/16/21 10:10	02/16/21 12:11	91-20-3	
Nitrobenzene	<0.037	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 12:11	98-95-3	
Pentachlorophenol	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 12:11	87-86-5	
Phenanthrene	0.13	mg/kg	0.078	0.024	1	02/16/21 10:10	02/16/21 12:11	85-01-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-07-7.5-8.0-20210209** Lab ID: **40222095007** Collected: 02/09/21 12:45 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenol	<0.044	mg/kg	0.15	0.044	1	02/16/21 10:10	02/16/21 12:11	108-95-2	
Pyrene	0.10J	mg/kg	0.14	0.041	1	02/16/21 10:10	02/16/21 12:11	129-00-0	
bis(2-Chloroethoxy)methane	<0.049	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 12:11	111-91-1	
bis(2-Chloroethyl) ether	<0.057	mg/kg	0.19	0.057	1	02/16/21 10:10	02/16/21 12:11	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 12:11	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	66	%	17-110		1	02/16/21 10:10	02/16/21 12:11	4165-60-0	
2-Fluorobiphenyl (S)	68	%	45-103		1	02/16/21 10:10	02/16/21 12:11	321-60-8	
Terphenyl-d14 (S)	73	%	46-100		1	02/16/21 10:10	02/16/21 12:11	1718-51-0	
Phenol-d6 (S)	61	%	11-109		1	02/16/21 10:10	02/16/21 12:11	13127-88-3	
2-Fluorophenol (S)	61	%	10-110		1	02/16/21 10:10	02/16/21 12:11	367-12-4	
2,4,6-Tribromophenol (S)	77	%	10-153		1	02/16/21 10:10	02/16/21 12:11	118-79-6	
<b>8260 MSV 5030/5035 Low Level</b> Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.0032	mg/kg	0.011	0.0032	1	02/17/21 05:00	02/17/21 15:06	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0049	mg/kg	0.016	0.0049	1	02/17/21 05:00	02/17/21 15:06	79-34-5	
1,1,2-Trichloroethane	<0.0031	mg/kg	0.010	0.0031	1	02/17/21 05:00	02/17/21 15:06	79-00-5	
1,1-Dichloroethane	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 15:06	75-34-3	
1,1-Dichloroethene	<0.0034	mg/kg	0.011	0.0034	1	02/17/21 05:00	02/17/21 15:06	75-35-4	
1,2-Dichloroethane	<0.00040	mg/kg	0.0013	0.00040	1	02/17/21 05:00	02/17/21 15:06	107-06-2	
1,2-Dichloropropane	<0.0026	mg/kg	0.0087	0.0026	1	02/17/21 05:00	02/17/21 15:06	78-87-5	
2-Butanone (MEK)	<0.0073	mg/kg	0.024	0.0073	1	02/17/21 05:00	02/17/21 15:06	78-93-3	
2-Hexanone	<0.011	mg/kg	0.037	0.011	1	02/17/21 05:00	02/17/21 15:06	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0028	mg/kg	0.0094	0.0028	1	02/17/21 05:00	02/17/21 15:06	108-10-1	
Acetone	<0.047	mg/kg	0.16	0.047	1	02/17/21 05:00	02/17/21 15:06	67-64-1	
Benzene	<0.0027	mg/kg	0.0089	0.0027	1	02/17/21 05:00	02/17/21 15:06	71-43-2	
Bromodichloromethane	<0.0024	mg/kg	0.0081	0.0024	1	02/17/21 05:00	02/17/21 15:06	75-27-4	
Bromoform	<0.0080	mg/kg	0.027	0.0080	1	02/17/21 05:00	02/17/21 15:06	75-25-2	
Bromomethane	<0.0060	mg/kg	0.020	0.0060	1	02/17/21 05:00	02/17/21 15:06	74-83-9	
Carbon disulfide	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 15:06	75-15-0	
Carbon tetrachloride	<0.0031	mg/kg	0.010	0.0031	1	02/17/21 05:00	02/17/21 15:06	56-23-5	
Chlorobenzene	<0.0029	mg/kg	0.0097	0.0029	1	02/17/21 05:00	02/17/21 15:06	108-90-7	
Chloroethane	<0.0036	mg/kg	0.012	0.0036	1	02/17/21 05:00	02/17/21 15:06	75-00-3	
Chloroform	<0.0032	mg/kg	0.011	0.0032	1	02/17/21 05:00	02/17/21 15:06	67-66-3	
Chloromethane	<0.0024	mg/kg	0.0082	0.0024	1	02/17/21 05:00	02/17/21 15:06	74-87-3	
Dibromochloromethane	<0.0025	mg/kg	0.0084	0.0025	1	02/17/21 05:00	02/17/21 15:06	124-48-1	
Ethylbenzene	<0.0034	mg/kg	0.011	0.0034	1	02/17/21 05:00	02/17/21 15:06	100-41-4	
Methyl-tert-butyl ether	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 15:06	1634-04-4	
Methylene Chloride	<0.0027	mg/kg	0.0092	0.0027	1	02/17/21 05:00	02/17/21 15:06	75-09-2	
Styrene	<0.012	mg/kg	0.039	0.012	1	02/17/21 05:00	02/17/21 15:06	100-42-5	
Tetrachloroethene	<0.0049	mg/kg	0.016	0.0049	1	02/17/21 05:00	02/17/21 15:06	127-18-4	
Toluene	<0.0030	mg/kg	0.010	0.0030	1	02/17/21 05:00	02/17/21 15:06	108-88-3	
Trichloroethene	<0.0030	mg/kg	0.010	0.0030	1	02/17/21 05:00	02/17/21 15:06	79-01-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-07-7.5-8.0-20210209**    **Lab ID: 40222095007**    Collected: 02/09/21 12:45    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Vinyl chloride	<0.0048	mg/kg	0.016	0.0048	1	02/17/21 05:00	02/17/21 15:06	75-01-4	
Xylene (Total)	<0.0085	mg/kg	0.029	0.0085	1	02/17/21 05:00	02/17/21 15:06	1330-20-7	
cis-1,2-Dichloroethene	<0.0042	mg/kg	0.014	0.0042	1	02/17/21 05:00	02/17/21 15:06	156-59-2	
cis-1,3-Dichloropropene	<0.0056	mg/kg	0.019	0.0056	1	02/17/21 05:00	02/17/21 15:06	10061-01-5	
trans-1,2-Dichloroethene	<0.0029	mg/kg	0.0097	0.0029	1	02/17/21 05:00	02/17/21 15:06	156-60-5	
trans-1,3-Dichloropropene	<0.0021	mg/kg	0.0069	0.0021	1	02/17/21 05:00	02/17/21 15:06	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	93	%	70-130		1	02/17/21 05:00	02/17/21 15:06	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1	02/17/21 05:00	02/17/21 15:06	2037-26-5	
4-Bromofluorobenzene (S)	90	%	63-130		1	02/17/21 05:00	02/17/21 15:06	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	9.0	%	0.10	0.10	1		02/12/21 12:38		
<b>9045 pH Soil</b>									
Analytical Method: EPA 9045									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	8.38	Std. Units	0.100	0.0100	1		02/16/21 08:20		H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Sample: **SB-08-7.5-8.0-20210210** Lab ID: **40222095008** Collected: 02/10/21 09:00 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	<b>25100</b>	mg/kg	335	101	6.667	02/15/21 05:25	02/18/21 05:06	7429-90-5	
Antimony	<b>0.65J</b>	mg/kg	0.85	0.21	6.667	02/15/21 05:25	02/18/21 05:06	7440-36-0	D3
Arsenic	<b>12.6</b>	mg/kg	1.1	0.34	6.667	02/15/21 05:25	02/18/21 05:06	7440-38-2	
Barium	<b>200</b>	mg/kg	1.1	0.34	6.667	02/15/21 05:25	02/18/21 05:06	7440-39-3	
Beryllium	<b>0.89</b>	mg/kg	0.85	0.18	6.667	02/15/21 05:25	02/18/21 05:06	7440-41-7	
Cadmium	<b>0.16J</b>	mg/kg	0.85	0.12	6.667	02/15/21 05:25	02/18/21 05:06	7440-43-9	D3
Calcium	<b>4360</b>	mg/kg	791	237	6.667	02/15/21 05:25	02/16/21 21:07	7440-70-2	
Chromium	<b>28.2</b>	mg/kg	2.6	0.78	6.667	02/15/21 05:25	02/18/21 05:06	7440-47-3	
Cobalt	<b>9.4</b>	mg/kg	0.85	0.23	6.667	02/15/21 05:25	02/18/21 05:06	7440-48-4	
Copper	<b>20.9</b>	mg/kg	2.3	0.68	6.667	02/15/21 05:25	02/18/21 05:06	7440-50-8	
Iron	<b>30200</b>	mg/kg	213	62.1	6.667	02/15/21 05:25	02/18/21 05:06	7439-89-6	
Lead	<b>21.1</b>	mg/kg	0.85	0.23	6.667	02/15/21 05:25	02/18/21 05:06	7439-92-1	
Magnesium	<b>4820</b>	mg/kg	213	58.7	6.667	02/15/21 05:25	02/18/21 05:06	7439-95-4	
Manganese	<b>225</b>	mg/kg	2.3	0.70	6.667	02/15/21 05:25	02/18/21 05:06	7439-96-5	
Nickel	<b>23.8</b>	mg/kg	1.1	0.34	6.667	02/15/21 05:25	02/18/21 05:06	7440-02-0	
Potassium	<b>2670</b>	mg/kg	1320	396	6.667	02/15/21 05:25	02/18/21 05:06	7440-09-7	
Selenium	<b>2.9</b>	mg/kg	0.85	0.23	6.667	02/15/21 05:25	02/18/21 05:06	7782-49-2	
Silver	<b>&lt;0.12</b>	mg/kg	0.43	0.12	6.667	02/15/21 05:25	02/18/21 05:06	7440-22-4	D3
Sodium	<b>389</b>	mg/kg	213	53.6	6.667	02/15/21 05:25	02/18/21 05:06	7440-23-5	
Thallium	<b>0.33J</b>	mg/kg	0.85	0.15	6.667	02/15/21 05:25	02/18/21 05:06	7440-28-0	D3
Vanadium	<b>56.0</b>	mg/kg	1.1	0.32	6.667	02/15/21 05:25	02/18/21 05:06	7440-62-2	
Zinc	<b>84.9</b>	mg/kg	29.7	8.9	6.667	02/15/21 05:25	02/18/21 05:06	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Pace Analytical Services - Green Bay

Mercury	<b>0.20</b>	mg/kg	0.041	0.012	1	02/16/21 11:32	02/17/21 09:32	7439-97-6	
---------	-------------	-------	-------	-------	---	----------------	----------------	-----------	--

### 8270E MSSV FULL LIST MICROWAVE

Analytical Method: EPA 8270E Preparation Method: EPA 3546

Pace Analytical Services - Green Bay

1,2,4-Trichlorobenzene	<b>&lt;0.025</b>	mg/kg	0.082	0.025	1	02/16/21 10:10	02/16/21 15:42	120-82-1	
1,2-Dichlorobenzene	<b>&lt;0.068</b>	mg/kg	0.23	0.068	1	02/16/21 10:10	02/16/21 15:42	95-50-1	
1,3-Dichlorobenzene	<b>&lt;0.030</b>	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 15:42	541-73-1	
1,4-Dichlorobenzene	<b>&lt;0.030</b>	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 15:42	106-46-7	
2,2'-Oxybis(1-chloropropane)	<b>&lt;0.056</b>	mg/kg	0.19	0.056	1	02/16/21 10:10	02/16/21 15:42	108-60-1	
2,4,5-Trichlorophenol	<b>&lt;0.038</b>	mg/kg	0.13	0.038	1	02/16/21 10:10	02/16/21 15:42	95-95-4	
2,4,6-Trichlorophenol	<b>&lt;0.033</b>	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 15:42	88-06-2	
2,4-Dichlorophenol	<b>&lt;0.058</b>	mg/kg	0.19	0.058	1	02/16/21 10:10	02/16/21 15:42	120-83-2	
2,4-Dimethylphenol	<b>&lt;0.043</b>	mg/kg	0.14	0.043	1	02/16/21 10:10	02/16/21 15:42	105-67-9	
2,4-Dinitrophenol	<b>&lt;0.066</b>	mg/kg	0.22	0.066	1	02/16/21 10:10	02/16/21 15:42	51-28-5	
2,4-Dinitrotoluene	<b>&lt;0.031</b>	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 15:42	121-14-2	
2,6-Dinitrotoluene	<b>&lt;0.041</b>	mg/kg	0.14	0.041	1	02/16/21 10:10	02/16/21 15:42	606-20-2	
2-Chloronaphthalene	<b>&lt;0.028</b>	mg/kg	0.093	0.028	1	02/16/21 10:10	02/16/21 15:42	91-58-7	
2-Chlorophenol	<b>&lt;0.054</b>	mg/kg	0.18	0.054	1	02/16/21 10:10	02/16/21 15:42	95-57-8	
2-Methylnaphthalene	<b>0.31</b>	mg/kg	0.19	0.057	1	02/16/21 10:10	02/16/21 15:42	91-57-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-08-7.5-8.0-20210210** Lab ID: **40222095008** Collected: 02/10/21 09:00 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
2-Methylphenol(o-Cresol)	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 15:42	95-48-7	
2-Nitroaniline	<0.062	mg/kg	0.21	0.062	1	02/16/21 10:10	02/16/21 15:42	88-74-4	
2-Nitrophenol	<0.069	mg/kg	0.23	0.069	1	02/16/21 10:10	02/16/21 15:42	88-75-5	
3&4-Methylphenol(m&p Cresol)	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 15:42		
3,3'-Dichlorobenzidine	<0.059	mg/kg	0.20	0.059	1	02/16/21 10:10	02/16/21 15:42	91-94-1	
3-Nitroaniline	<0.037	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 15:42	99-09-2	3q
4,6-Dinitro-2-methylphenol	<0.067	mg/kg	0.22	0.067	1	02/16/21 10:10	02/16/21 15:42	534-52-1	
4-Bromophenylphenyl ether	<0.046	mg/kg	0.15	0.046	1	02/16/21 10:10	02/16/21 15:42	101-55-3	
4-Chloro-3-methylphenol	<0.068	mg/kg	0.23	0.068	1	02/16/21 10:10	02/16/21 15:42	59-50-7	
4-Chloroaniline	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 15:42	106-47-8	3q
4-Chlorophenylphenyl ether	<0.041	mg/kg	0.14	0.041	1	02/16/21 10:10	02/16/21 15:42	7005-72-3	
4-Nitroaniline	<0.090	mg/kg	0.30	0.090	1	02/16/21 10:10	02/16/21 15:42	100-01-6	
4-Nitrophenol	<0.055	mg/kg	0.18	0.055	1	02/16/21 10:10	02/16/21 15:42	100-02-7	
Acenaphthene	<0.077	mg/kg	0.26	0.077	1	02/16/21 10:10	02/16/21 15:42	83-32-9	
Acenaphthylene	<0.078	mg/kg	0.26	0.078	1	02/16/21 10:10	02/16/21 15:42	208-96-8	
Anthracene	0.062J	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 15:42	120-12-7	
Benzo(a)anthracene	0.29	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 15:42	56-55-3	
Benzo(a)pyrene	0.24	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 15:42	50-32-8	
Benzo(b)fluoranthene	0.31	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 15:42	205-99-2	
Benzo(g,h,i)perylene	0.16J	mg/kg	0.19	0.057	1	02/16/21 10:10	02/16/21 15:42	191-24-2	
Benzo(k)fluoranthene	0.13J	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 15:42	207-08-9	
Butylbenzylphthalate	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 15:42	85-68-7	
Carbazole	0.037J	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 15:42	86-74-8	
Chrysene	0.32	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 15:42	218-01-9	
Di-n-butylphthalate	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 15:42	84-74-2	
Di-n-octylphthalate	<0.049	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 15:42	117-84-0	
Dibenz(a,h)anthracene	<0.059	mg/kg	0.20	0.059	1	02/16/21 10:10	02/16/21 15:42	53-70-3	
Dibenzofuran	0.072J	mg/kg	0.088	0.026	1	02/16/21 10:10	02/16/21 15:42	132-64-9	
Diethylphthalate	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 15:42	84-66-2	
Dimethylphthalate	<0.028	mg/kg	0.094	0.028	1	02/16/21 10:10	02/16/21 15:42	131-11-3	
Fluoranthene	0.58	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 15:42	206-44-0	
Fluorene	<0.025	mg/kg	0.085	0.025	1	02/16/21 10:10	02/16/21 15:42	86-73-7	
Hexachloro-1,3-butadiene	<0.055	mg/kg	0.18	0.055	1	02/16/21 10:10	02/16/21 15:42	87-68-3	
Hexachlorobenzene	<0.037	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 15:42	118-74-1	
Hexachlorocyclopentadiene	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 15:42	77-47-4	
Hexachloroethane	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 15:42	67-72-1	
Indeno(1,2,3-cd)pyrene	0.20	mg/kg	0.16	0.047	1	02/16/21 10:10	02/16/21 15:42	193-39-5	CH
Isophorone	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 15:42	78-59-1	
N-Nitroso-di-n-propylamine	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 15:42	621-64-7	
N-Nitrosodiphenylamine	<0.30	mg/kg	0.98	0.30	1	02/16/21 10:10	02/16/21 15:42	86-30-6	
Naphthalene	0.24J	mg/kg	0.25	0.076	1	02/16/21 10:10	02/16/21 15:42	91-20-3	
Nitrobenzene	<0.044	mg/kg	0.15	0.044	1	02/16/21 10:10	02/16/21 15:42	98-95-3	
Pentachlorophenol	<0.048	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 15:42	87-86-5	
Phenanthrene	0.42	mg/kg	0.093	0.028	1	02/16/21 10:10	02/16/21 15:42	85-01-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-08-7.5-8.0-20210210**    **Lab ID: 40222095008**    Collected: 02/10/21 09:00    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenol	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 15:42	108-95-2	
Pyrene	0.40	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 15:42	129-00-0	
bis(2-Chloroethoxy)methane	<0.059	mg/kg	0.20	0.059	1	02/16/21 10:10	02/16/21 15:42	111-91-1	
bis(2-Chloroethyl) ether	<0.068	mg/kg	0.23	0.068	1	02/16/21 10:10	02/16/21 15:42	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 15:42	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	66	%	17-110		1	02/16/21 10:10	02/16/21 15:42	4165-60-0	
2-Fluorobiphenyl (S)	66	%	45-103		1	02/16/21 10:10	02/16/21 15:42	321-60-8	
Terphenyl-d14 (S)	63	%	46-100		1	02/16/21 10:10	02/16/21 15:42	1718-51-0	
Phenol-d6 (S)	37	%	11-109		1	02/16/21 10:10	02/16/21 15:42	13127-88-3	
2-Fluorophenol (S)	37	%	10-110		1	02/16/21 10:10	02/16/21 15:42	367-12-4	
2,4,6-Tribromophenol (S)	63	%	10-153		1	02/16/21 10:10	02/16/21 15:42	118-79-6	
<b>8260 MSV 5030/5035 Low Level</b> Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.0047	mg/kg	0.016	0.0047	1	02/17/21 05:00	02/17/21 11:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0072	mg/kg	0.024	0.0072	1	02/17/21 05:00	02/17/21 11:15	79-34-5	
1,1,2-Trichloroethane	<0.0044	mg/kg	0.015	0.0044	1	02/17/21 05:00	02/17/21 11:15	79-00-5	
1,1-Dichloroethane	<0.0059	mg/kg	0.020	0.0059	1	02/17/21 05:00	02/17/21 11:15	75-34-3	
1,1-Dichloroethene	<0.0049	mg/kg	0.016	0.0049	1	02/17/21 05:00	02/17/21 11:15	75-35-4	
1,2-Dichloroethane	<0.00058	mg/kg	0.0019	0.00058	1	02/17/21 05:00	02/17/21 11:15	107-06-2	
1,2-Dichloropropane	<0.0038	mg/kg	0.013	0.0038	1	02/17/21 05:00	02/17/21 11:15	78-87-5	
2-Butanone (MEK)	<0.011	mg/kg	0.035	0.011	1	02/17/21 05:00	02/17/21 11:15	78-93-3	
2-Hexanone	<0.016	mg/kg	0.054	0.016	1	02/17/21 05:00	02/17/21 11:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 11:15	108-10-1	
Acetone	<0.068	mg/kg	0.23	0.068	1	02/17/21 05:00	02/17/21 11:15	67-64-1	
Benzene	<0.0039	mg/kg	0.013	0.0039	1	02/17/21 05:00	02/17/21 11:15	71-43-2	
Bromodichloromethane	<0.0036	mg/kg	0.012	0.0036	1	02/17/21 05:00	02/17/21 11:15	75-27-4	
Bromoform	<0.012	mg/kg	0.039	0.012	1	02/17/21 05:00	02/17/21 11:15	75-25-2	
Bromomethane	<0.0087	mg/kg	0.029	0.0087	1	02/17/21 05:00	02/17/21 11:15	74-83-9	
Carbon disulfide	<0.0048	mg/kg	0.016	0.0048	1	02/17/21 05:00	02/17/21 11:15	75-15-0	
Carbon tetrachloride	<0.0045	mg/kg	0.015	0.0045	1	02/17/21 05:00	02/17/21 11:15	56-23-5	
Chlorobenzene	<0.0042	mg/kg	0.014	0.0042	1	02/17/21 05:00	02/17/21 11:15	108-90-7	
Chloroethane	<0.0052	mg/kg	0.017	0.0052	1	02/17/21 05:00	02/17/21 11:15	75-00-3	
Chloroform	<0.0047	mg/kg	0.016	0.0047	1	02/17/21 05:00	02/17/21 11:15	67-66-3	
Chloromethane	<0.0036	mg/kg	0.012	0.0036	1	02/17/21 05:00	02/17/21 11:15	74-87-3	
Dibromochloromethane	<0.0037	mg/kg	0.012	0.0037	1	02/17/21 05:00	02/17/21 11:15	124-48-1	
Ethylbenzene	<0.0050	mg/kg	0.017	0.0050	1	02/17/21 05:00	02/17/21 11:15	100-41-4	
Methyl-tert-butyl ether	<0.0060	mg/kg	0.020	0.0060	1	02/17/21 05:00	02/17/21 11:15	1634-04-4	
Methylene Chloride	<0.0040	mg/kg	0.013	0.0040	1	02/17/21 05:00	02/17/21 11:15	75-09-2	
Styrene	<0.017	mg/kg	0.057	0.017	1	02/17/21 05:00	02/17/21 11:15	100-42-5	
Tetrachloroethene	<0.0071	mg/kg	0.024	0.0071	1	02/17/21 05:00	02/17/21 11:15	127-18-4	
Toluene	<0.0044	mg/kg	0.015	0.0044	1	02/17/21 05:00	02/17/21 11:15	108-88-3	
Trichloroethene	<0.0044	mg/kg	0.015	0.0044	1	02/17/21 05:00	02/17/21 11:15	79-01-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-08-7.5-8.0-20210210**    **Lab ID: 40222095008**    Collected: 02/10/21 09:00    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Vinyl chloride	<0.0070	mg/kg	0.023	0.0070	1	02/17/21 05:00	02/17/21 11:15	75-01-4	
Xylene (Total)	<0.012	mg/kg	0.042	0.012	1	02/17/21 05:00	02/17/21 11:15	1330-20-7	
cis-1,2-Dichloroethene	<0.0061	mg/kg	0.020	0.0061	1	02/17/21 05:00	02/17/21 11:15	156-59-2	
cis-1,3-Dichloropropene	<0.0082	mg/kg	0.027	0.0082	1	02/17/21 05:00	02/17/21 11:15	10061-01-5	
trans-1,2-Dichloroethene	<0.0043	mg/kg	0.014	0.0043	1	02/17/21 05:00	02/17/21 11:15	156-60-5	
trans-1,3-Dichloropropene	<0.0030	mg/kg	0.010	0.0030	1	02/17/21 05:00	02/17/21 11:15	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	88	%	70-130		1	02/17/21 05:00	02/17/21 11:15	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1	02/17/21 05:00	02/17/21 11:15	2037-26-5	
4-Bromofluorobenzene (S)	86	%	63-130		1	02/17/21 05:00	02/17/21 11:15	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	23.4	%	0.10	0.10	1		02/12/21 12:38		
<b>9040 pH</b>									
Analytical Method: EPA 9040									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	7.4	Std. Units	0.10	0.010	1		02/17/21 10:05		1q,H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-09-3.5-4.0-20210209**    **Lab ID: 40222095009**    Collected: 02/09/21 16:25    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8151A CI Acid Herbicide Solids</b>									
Analytical Method: EPA 8151A    Preparation Method: EPA 8151A									
Pace Analytical Services - Indianapolis									
2,4-D	<37.8	ug/kg	56.1	37.8	1	02/19/21 10:12	02/22/21 15:30	94-75-7	
Dalapon	<42.0	ug/kg	56.1	42.0	1	02/19/21 10:12	02/22/21 15:30	75-99-0	
Dinoseb	<30.7	ug/kg	56.1	30.7	1	02/19/21 10:12	02/22/21 15:30	88-85-7	
Picloram	<41.6	ug/kg	56.1	41.6	1	02/19/21 10:12	02/22/21 15:30	1918-02-1	
2,4,5-TP (Silvex)	<41.9	ug/kg	56.1	41.9	1	02/19/21 10:12	02/22/21 15:30	93-72-1	
<b>Surrogates</b>									
2,4-DCAA (S)	77	%	10-161		1	02/19/21 10:12	02/22/21 15:30	19719-28-9	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	13000	mg/kg	288	86.5	6.667	02/15/21 05:25	02/18/21 05:13	7429-90-5	
Antimony	<0.18	mg/kg	0.73	0.18	6.667	02/15/21 05:25	02/18/21 05:13	7440-36-0	D3
Arsenic	9.4	mg/kg	0.97	0.29	6.667	02/15/21 05:25	02/18/21 05:13	7440-38-2	
Barium	43.7	mg/kg	0.96	0.29	6.667	02/15/21 05:25	02/18/21 05:13	7440-39-3	
Beryllium	0.53J	mg/kg	0.73	0.15	6.667	02/15/21 05:25	02/18/21 05:13	7440-41-7	D3
Cadmium	<0.11	mg/kg	0.73	0.11	6.667	02/15/21 05:25	02/18/21 05:13	7440-43-9	D3
Calcium	46500	mg/kg	681	204	6.667	02/15/21 05:25	02/16/21 21:14	7440-70-2	
Chromium	20.5	mg/kg	2.2	0.67	6.667	02/15/21 05:25	02/18/21 05:13	7440-47-3	
Cobalt	8.8	mg/kg	0.73	0.20	6.667	02/15/21 05:25	02/18/21 05:13	7440-48-4	
Copper	13.2	mg/kg	2.0	0.59	6.667	02/15/21 05:25	02/18/21 05:13	7440-50-8	
Iron	21000	mg/kg	183	53.4	6.667	02/15/21 05:25	02/18/21 05:13	7439-89-6	
Lead	11.3	mg/kg	0.73	0.20	6.667	02/15/21 05:25	02/18/21 05:13	7439-92-1	
Magnesium	21600	mg/kg	183	50.5	6.667	02/15/21 05:25	02/18/21 05:13	7439-95-4	
Manganese	407	mg/kg	2.0	0.60	6.667	02/15/21 05:25	02/18/21 05:13	7439-96-5	
Nickel	23.8	mg/kg	0.97	0.29	6.667	02/15/21 05:25	02/18/21 05:13	7440-02-0	
Potassium	3950	mg/kg	1130	341	6.667	02/15/21 05:25	02/18/21 05:13	7440-09-7	
Selenium	1.3	mg/kg	0.73	0.20	6.667	02/15/21 05:25	02/18/21 05:13	7782-49-2	
Silver	<0.10	mg/kg	0.37	0.10	6.667	02/15/21 05:25	02/18/21 05:13	7440-22-4	D3
Sodium	330	mg/kg	183	46.1	6.667	02/15/21 05:25	02/18/21 05:13	7440-23-5	
Thallium	0.22J	mg/kg	0.73	0.13	6.667	02/15/21 05:25	02/18/21 05:13	7440-28-0	D3
Vanadium	21.8	mg/kg	0.93	0.28	6.667	02/15/21 05:25	02/18/21 05:13	7440-62-2	
Zinc	56.9	mg/kg	25.5	7.7	6.667	02/15/21 05:25	02/18/21 05:13	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.010	mg/kg	0.037	0.010	1	02/16/21 11:32	02/17/21 09:34	7439-97-6	
<b>8270E MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270E    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<0.022	mg/kg	0.072	0.022	1	02/16/21 10:10	02/16/21 13:56	120-82-1	
1,2-Dichlorobenzene	<0.060	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 13:56	95-50-1	
1,3-Dichlorobenzene	<0.027	mg/kg	0.088	0.027	1	02/16/21 10:10	02/16/21 13:56	541-73-1	
1,4-Dichlorobenzene	<0.027	mg/kg	0.089	0.027	1	02/16/21 10:10	02/16/21 13:56	106-46-7	
2,2'-Oxybis(1-chloropropane)	<0.049	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 13:56	108-60-1	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-09-3.5-4.0-20210209**    **Lab ID: 40222095009**    Collected: 02/09/21 16:25    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
2,4,5-Trichlorophenol	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 13:56	95-95-4	
2,4,6-Trichlorophenol	<0.029	mg/kg	0.097	0.029	1	02/16/21 10:10	02/16/21 13:56	88-06-2	
2,4-Dichlorophenol	<0.051	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 13:56	120-83-2	
2,4-Dimethylphenol	<0.038	mg/kg	0.13	0.038	1	02/16/21 10:10	02/16/21 13:56	105-67-9	
2,4-Dinitrophenol	<0.058	mg/kg	0.19	0.058	1	02/16/21 10:10	02/16/21 13:56	51-28-5	
2,4-Dinitrotoluene	<0.027	mg/kg	0.091	0.027	1	02/16/21 10:10	02/16/21 13:56	121-14-2	
2,6-Dinitrotoluene	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 13:56	606-20-2	
2-Chloronaphthalene	<0.025	mg/kg	0.082	0.025	1	02/16/21 10:10	02/16/21 13:56	91-58-7	
2-Chlorophenol	<0.048	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 13:56	95-57-8	
2-Methylnaphthalene	<0.050	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 13:56	91-57-6	
2-Methylphenol(o-Cresol)	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 13:56	95-48-7	
2-Nitroaniline	<0.055	mg/kg	0.18	0.055	1	02/16/21 10:10	02/16/21 13:56	88-74-4	
2-Nitrophenol	<0.060	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 13:56	88-75-5	
3&4-Methylphenol(m&p Cresol)	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 13:56		
3,3'-Dichlorobenzidine	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 13:56	91-94-1	
3-Nitroaniline	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 13:56	99-09-2	3q
4,6-Dinitro-2-methylphenol	<0.059	mg/kg	0.20	0.059	1	02/16/21 10:10	02/16/21 13:56	534-52-1	
4-Bromophenylphenyl ether	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 13:56	101-55-3	
4-Chloro-3-methylphenol	<0.060	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 13:56	59-50-7	
4-Chloroaniline	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 13:56	106-47-8	3q
4-Chlorophenylphenyl ether	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 13:56	7005-72-3	
4-Nitroaniline	<0.079	mg/kg	0.26	0.079	1	02/16/21 10:10	02/16/21 13:56	100-01-6	
4-Nitrophenol	<0.048	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 13:56	100-02-7	
Acenaphthene	<0.068	mg/kg	0.23	0.068	1	02/16/21 10:10	02/16/21 13:56	83-32-9	
Acenaphthylene	<0.068	mg/kg	0.23	0.068	1	02/16/21 10:10	02/16/21 13:56	208-96-8	
Anthracene	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 13:56	120-12-7	
Benzo(a)anthracene	<0.030	mg/kg	0.099	0.030	1	02/16/21 10:10	02/16/21 13:56	56-55-3	
Benzo(a)pyrene	<0.029	mg/kg	0.096	0.029	1	02/16/21 10:10	02/16/21 13:56	50-32-8	
Benzo(b)fluoranthene	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 13:56	205-99-2	
Benzo(g,h,i)perylene	<0.050	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 13:56	191-24-2	
Benzo(k)fluoranthene	<0.046	mg/kg	0.15	0.046	1	02/16/21 10:10	02/16/21 13:56	207-08-9	
Butylbenzylphthalate	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 13:56	85-68-7	
Carbazole	<0.030	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 13:56	86-74-8	
Chrysene	<0.029	mg/kg	0.095	0.029	1	02/16/21 10:10	02/16/21 13:56	218-01-9	
Di-n-butylphthalate	<0.029	mg/kg	0.095	0.029	1	02/16/21 10:10	02/16/21 13:56	84-74-2	
Di-n-octylphthalate	<0.043	mg/kg	0.14	0.043	1	02/16/21 10:10	02/16/21 13:56	117-84-0	
Dibenz(a,h)anthracene	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 13:56	53-70-3	
Dibenzofuran	<0.023	mg/kg	0.077	0.023	1	02/16/21 10:10	02/16/21 13:56	132-64-9	
Diethylphthalate	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 13:56	84-66-2	
Dimethylphthalate	<0.025	mg/kg	0.083	0.025	1	02/16/21 10:10	02/16/21 13:56	131-11-3	
Fluoranthene	<0.027	mg/kg	0.090	0.027	1	02/16/21 10:10	02/16/21 13:56	206-44-0	
Fluorene	<0.022	mg/kg	0.075	0.022	1	02/16/21 10:10	02/16/21 13:56	86-73-7	
Hexachloro-1,3-butadiene	<0.049	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 13:56	87-68-3	
Hexachlorobenzene	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 13:56	118-74-1	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-09-3.5-4.0-20210209**    **Lab ID: 40222095009**    Collected: 02/09/21 16:25    Received: 02/12/21 09:30    Matrix: Solid  
*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Hexachlorocyclopentadiene	<0.045	mg/kg	0.15	0.045	1	02/16/21 10:10	02/16/21 13:56	77-47-4	
Hexachloroethane	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 13:56	67-72-1	
Indeno(1,2,3-cd)pyrene	<0.041	mg/kg	0.14	0.041	1	02/16/21 10:10	02/16/21 13:56	193-39-5	CH
Isophorone	<0.029	mg/kg	0.098	0.029	1	02/16/21 10:10	02/16/21 13:56	78-59-1	
N-Nitroso-di-n-propylamine	<0.030	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 13:56	621-64-7	
N-Nitrosodiphenylamine	<0.26	mg/kg	0.87	0.26	1	02/16/21 10:10	02/16/21 13:56	86-30-6	
Naphthalene	<0.067	mg/kg	0.22	0.067	1	02/16/21 10:10	02/16/21 13:56	91-20-3	
Nitrobenzene	<0.039	mg/kg	0.13	0.039	1	02/16/21 10:10	02/16/21 13:56	98-95-3	
Pentachlorophenol	<0.042	mg/kg	0.14	0.042	1	02/16/21 10:10	02/16/21 13:56	87-86-5	
Phenanthrene	<0.025	mg/kg	0.082	0.025	1	02/16/21 10:10	02/16/21 13:56	85-01-8	
Phenol	<0.045	mg/kg	0.15	0.045	1	02/16/21 10:10	02/16/21 13:56	108-95-2	
Pyrene	<0.042	mg/kg	0.14	0.042	1	02/16/21 10:10	02/16/21 13:56	129-00-0	
bis(2-Chloroethoxy)methane	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 13:56	111-91-1	
bis(2-Chloroethyl) ether	<0.060	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 13:56	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 13:56	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	53	%	17-110		1	02/16/21 10:10	02/16/21 13:56	4165-60-0	
2-Fluorobiphenyl (S)	60	%	45-103		1	02/16/21 10:10	02/16/21 13:56	321-60-8	
Terphenyl-d14 (S)	73	%	46-100		1	02/16/21 10:10	02/16/21 13:56	1718-51-0	
Phenol-d6 (S)	59	%	11-109		1	02/16/21 10:10	02/16/21 13:56	13127-88-3	
2-Fluorophenol (S)	58	%	10-110		1	02/16/21 10:10	02/16/21 13:56	367-12-4	
2,4,6-Tribromophenol (S)	80	%	10-153		1	02/16/21 10:10	02/16/21 13:56	118-79-6	
<b>8260 MSV 5030/5035 Low Level</b> Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.0031	mg/kg	0.010	0.0031	1	02/17/21 05:00	02/17/21 11:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0047	mg/kg	0.016	0.0047	1	02/17/21 05:00	02/17/21 11:38	79-34-5	
1,1,2-Trichloroethane	<0.0029	mg/kg	0.0098	0.0029	1	02/17/21 05:00	02/17/21 11:38	79-00-5	
1,1-Dichloroethane	<0.0039	mg/kg	0.013	0.0039	1	02/17/21 05:00	02/17/21 11:38	75-34-3	
1,1-Dichloroethene	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 11:38	75-35-4	
1,2-Dichloroethane	<0.00039	mg/kg	0.0013	0.00039	1	02/17/21 05:00	02/17/21 11:38	107-06-2	
1,2-Dichloropropane	<0.0025	mg/kg	0.0084	0.0025	1	02/17/21 05:00	02/17/21 11:38	78-87-5	
2-Butanone (MEK)	<0.0070	mg/kg	0.023	0.0070	1	02/17/21 05:00	02/17/21 11:38	78-93-3	
2-Hexanone	<0.011	mg/kg	0.036	0.011	1	02/17/21 05:00	02/17/21 11:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0027	mg/kg	0.0091	0.0027	1	02/17/21 05:00	02/17/21 11:38	108-10-1	
Acetone	<0.045	mg/kg	0.15	0.045	1	02/17/21 05:00	02/17/21 11:38	67-64-1	
Benzene	<0.0026	mg/kg	0.0086	0.0026	1	02/17/21 05:00	02/17/21 11:38	71-43-2	
Bromodichloromethane	<0.0024	mg/kg	0.0079	0.0024	1	02/17/21 05:00	02/17/21 11:38	75-27-4	
Bromoform	<0.0077	mg/kg	0.026	0.0077	1	02/17/21 05:00	02/17/21 11:38	75-25-2	
Bromomethane	<0.0058	mg/kg	0.019	0.0058	1	02/17/21 05:00	02/17/21 11:38	74-83-9	
Carbon disulfide	<0.0032	mg/kg	0.011	0.0032	1	02/17/21 05:00	02/17/21 11:38	75-15-0	
Carbon tetrachloride	<0.0030	mg/kg	0.010	0.0030	1	02/17/21 05:00	02/17/21 11:38	56-23-5	
Chlorobenzene	<0.0028	mg/kg	0.0093	0.0028	1	02/17/21 05:00	02/17/21 11:38	108-90-7	
Chloroethane	<0.0035	mg/kg	0.012	0.0035	1	02/17/21 05:00	02/17/21 11:38	75-00-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-09-3.5-4.0-20210209**    **Lab ID: 40222095009**    Collected: 02/09/21 16:25    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Chloroform	<0.0031	mg/kg	0.010	0.0031	1	02/17/21 05:00	02/17/21 11:38	67-66-3	
Chloromethane	<0.0024	mg/kg	0.0079	0.0024	1	02/17/21 05:00	02/17/21 11:38	74-87-3	
Dibromochloromethane	<0.0024	mg/kg	0.0081	0.0024	1	02/17/21 05:00	02/17/21 11:38	124-48-1	
Ethylbenzene	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 11:38	100-41-4	
Methyl-tert-butyl ether	<0.0040	mg/kg	0.013	0.0040	1	02/17/21 05:00	02/17/21 11:38	1634-04-4	
Methylene Chloride	0.0031J	mg/kg	0.0088	0.0027	1	02/17/21 05:00	02/17/21 11:38	75-09-2	
Styrene	<0.011	mg/kg	0.038	0.011	1	02/17/21 05:00	02/17/21 11:38	100-42-5	
Tetrachloroethene	<0.0047	mg/kg	0.016	0.0047	1	02/17/21 05:00	02/17/21 11:38	127-18-4	
Toluene	<0.0029	mg/kg	0.0098	0.0029	1	02/17/21 05:00	02/17/21 11:38	108-88-3	
Trichloroethene	<0.0029	mg/kg	0.0098	0.0029	1	02/17/21 05:00	02/17/21 11:38	79-01-6	
Vinyl chloride	<0.0046	mg/kg	0.015	0.0046	1	02/17/21 05:00	02/17/21 11:38	75-01-4	
Xylene (Total)	<0.0083	mg/kg	0.028	0.0083	1	02/17/21 05:00	02/17/21 11:38	1330-20-7	
cis-1,2-Dichloroethene	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 11:38	156-59-2	
cis-1,3-Dichloropropene	<0.0054	mg/kg	0.018	0.0054	1	02/17/21 05:00	02/17/21 11:38	10061-01-5	
trans-1,2-Dichloroethene	<0.0028	mg/kg	0.0094	0.0028	1	02/17/21 05:00	02/17/21 11:38	156-60-5	
trans-1,3-Dichloropropene	<0.0020	mg/kg	0.0067	0.0020	1	02/17/21 05:00	02/17/21 11:38	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	85	%	70-130		1	02/17/21 05:00	02/17/21 11:38	1868-53-7	
Toluene-d8 (S)	110	%	70-130		1	02/17/21 05:00	02/17/21 11:38	2037-26-5	
4-Bromofluorobenzene (S)	129	%	63-130		1	02/17/21 05:00	02/17/21 11:38	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	13.0	%	0.10	0.10	1		02/12/21 12:38		
<b>9045 pH Soil</b>									
Analytical Method: EPA 9045									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	8.33	Std. Units	0.100	0.0100	1		02/16/21 08:21		H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Sample: **SB-10-7.5-8.0-20210210** Lab ID: **40222095010** Collected: 02/10/21 09:20 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	<b>6190</b>	mg/kg	336	101	6.667	02/15/21 05:25	02/18/21 05:19	7429-90-5	
Antimony	<b>0.63J</b>	mg/kg	0.85	0.21	6.667	02/15/21 05:25	02/18/21 05:19	7440-36-0	D3
Arsenic	<b>6.2</b>	mg/kg	1.1	0.34	6.667	02/15/21 05:25	02/18/21 05:19	7440-38-2	
Barium	<b>104</b>	mg/kg	1.1	0.34	6.667	02/15/21 05:25	02/18/21 05:19	7440-39-3	
Beryllium	<b>0.55J</b>	mg/kg	0.85	0.18	6.667	02/15/21 05:25	02/18/21 05:19	7440-41-7	D3
Cadmium	<b>0.70J</b>	mg/kg	0.85	0.12	6.667	02/15/21 05:25	02/18/21 05:19	7440-43-9	D3
Calcium	<b>99400</b>	mg/kg	794	237	6.667	02/15/21 05:25	02/16/21 21:34	7440-70-2	
Chromium	<b>11.4</b>	mg/kg	2.6	0.78	6.667	02/15/21 05:25	02/18/21 05:19	7440-47-3	
Cobalt	<b>4.0</b>	mg/kg	0.85	0.23	6.667	02/15/21 05:25	02/18/21 05:19	7440-48-4	
Copper	<b>19.7</b>	mg/kg	2.3	0.69	6.667	02/15/21 05:25	02/18/21 05:19	7440-50-8	
Iron	<b>11800</b>	mg/kg	213	62.3	6.667	02/15/21 05:25	02/18/21 05:19	7439-89-6	
Lead	<b>111</b>	mg/kg	0.85	0.23	6.667	02/15/21 05:25	02/18/21 05:19	7439-92-1	
Magnesium	<b>18400</b>	mg/kg	213	58.9	6.667	02/15/21 05:25	02/18/21 05:19	7439-95-4	
Manganese	<b>456</b>	mg/kg	2.3	0.70	6.667	02/15/21 05:25	02/18/21 05:19	7439-96-5	
Nickel	<b>12.5</b>	mg/kg	1.1	0.34	6.667	02/15/21 05:25	02/18/21 05:19	7440-02-0	
Potassium	<b>1000J</b>	mg/kg	1320	397	6.667	02/15/21 05:25	02/18/21 05:19	7440-09-7	D3
Selenium	<b>1.6</b>	mg/kg	0.85	0.23	6.667	02/15/21 05:25	02/18/21 05:19	7782-49-2	
Silver	<b>0.93</b>	mg/kg	0.43	0.12	6.667	02/15/21 05:25	02/18/21 05:19	7440-22-4	
Sodium	<b>505</b>	mg/kg	213	53.8	6.667	02/15/21 05:25	02/18/21 05:19	7440-23-5	
Thallium	<b>0.21J</b>	mg/kg	0.85	0.15	6.667	02/15/21 05:25	02/18/21 05:19	7440-28-0	D3
Vanadium	<b>18.2</b>	mg/kg	1.1	0.33	6.667	02/15/21 05:25	02/18/21 05:19	7440-62-2	
Zinc	<b>226</b>	mg/kg	29.8	8.9	6.667	02/15/21 05:25	02/18/21 05:19	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Pace Analytical Services - Green Bay

Mercury	<b>0.28</b>	mg/kg	0.044	0.012	1	02/16/21 11:32	02/17/21 09:37	7439-97-6	
---------	-------------	-------	-------	-------	---	----------------	----------------	-----------	--

### 8270E MSSV FULL LIST MICROWAVE

Analytical Method: EPA 8270E Preparation Method: EPA 3546

Pace Analytical Services - Green Bay

1,2,4-Trichlorobenzene	<b>&lt;0.024</b>	mg/kg	0.081	0.024	1	02/16/21 10:10	02/16/21 16:24	120-82-1	
1,2-Dichlorobenzene	<b>&lt;0.067</b>	mg/kg	0.22	0.067	1	02/16/21 10:10	02/16/21 16:24	95-50-1	
1,3-Dichlorobenzene	<b>&lt;0.030</b>	mg/kg	0.099	0.030	1	02/16/21 10:10	02/16/21 16:24	541-73-1	
1,4-Dichlorobenzene	<b>&lt;0.030</b>	mg/kg	0.099	0.030	1	02/16/21 10:10	02/16/21 16:24	106-46-7	
2,2'-Oxybis(1-chloropropane)	<b>&lt;0.055</b>	mg/kg	0.18	0.055	1	02/16/21 10:10	02/16/21 16:24	108-60-1	
2,4,5-Trichlorophenol	<b>&lt;0.038</b>	mg/kg	0.13	0.038	1	02/16/21 10:10	02/16/21 16:24	95-95-4	
2,4,6-Trichlorophenol	<b>&lt;0.033</b>	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 16:24	88-06-2	
2,4-Dichlorophenol	<b>&lt;0.057</b>	mg/kg	0.19	0.057	1	02/16/21 10:10	02/16/21 16:24	120-83-2	
2,4-Dimethylphenol	<b>&lt;0.042</b>	mg/kg	0.14	0.042	1	02/16/21 10:10	02/16/21 16:24	105-67-9	
2,4-Dinitrophenol	<b>&lt;0.065</b>	mg/kg	0.22	0.065	1	02/16/21 10:10	02/16/21 16:24	51-28-5	
2,4-Dinitrotoluene	<b>&lt;0.031</b>	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 16:24	121-14-2	
2,6-Dinitrotoluene	<b>&lt;0.041</b>	mg/kg	0.14	0.041	1	02/16/21 10:10	02/16/21 16:24	606-20-2	
2-Chloronaphthalene	<b>&lt;0.027</b>	mg/kg	0.091	0.027	1	02/16/21 10:10	02/16/21 16:24	91-58-7	
2-Chlorophenol	<b>&lt;0.053</b>	mg/kg	0.18	0.053	1	02/16/21 10:10	02/16/21 16:24	95-57-8	
2-Methylnaphthalene	<b>0.13J</b>	mg/kg	0.19	0.056	1	02/16/21 10:10	02/16/21 16:24	91-57-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-10-7.5-8.0-20210210** Lab ID: **40222095010** Collected: 02/10/21 09:20 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
2-Methylphenol(o-Cresol)	<0.039	mg/kg	0.13	0.039	1	02/16/21 10:10	02/16/21 16:24	95-48-7	
2-Nitroaniline	<0.061	mg/kg	0.20	0.061	1	02/16/21 10:10	02/16/21 16:24	88-74-4	
2-Nitrophenol	<0.067	mg/kg	0.22	0.067	1	02/16/21 10:10	02/16/21 16:24	88-75-5	
3&4-Methylphenol(m&p Cresol)	<0.039	mg/kg	0.13	0.039	1	02/16/21 10:10	02/16/21 16:24		
3,3'-Dichlorobenzidine	<0.058	mg/kg	0.19	0.058	1	02/16/21 10:10	02/16/21 16:24	91-94-1	
3-Nitroaniline	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 16:24	99-09-2	3q
4,6-Dinitro-2-methylphenol	<0.066	mg/kg	0.22	0.066	1	02/16/21 10:10	02/16/21 16:24	534-52-1	
4-Bromophenylphenyl ether	<0.045	mg/kg	0.15	0.045	1	02/16/21 10:10	02/16/21 16:24	101-55-3	
4-Chloro-3-methylphenol	<0.067	mg/kg	0.22	0.067	1	02/16/21 10:10	02/16/21 16:24	59-50-7	
4-Chloroaniline	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 16:24	106-47-8	3q
4-Chlorophenylphenyl ether	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 16:24	7005-72-3	
4-Nitroaniline	<0.089	mg/kg	0.30	0.089	1	02/16/21 10:10	02/16/21 16:24	100-01-6	
4-Nitrophenol	<0.054	mg/kg	0.18	0.054	1	02/16/21 10:10	02/16/21 16:24	100-02-7	
Acenaphthene	<0.076	mg/kg	0.25	0.076	1	02/16/21 10:10	02/16/21 16:24	83-32-9	
Acenaphthylene	<0.076	mg/kg	0.25	0.076	1	02/16/21 10:10	02/16/21 16:24	208-96-8	
Anthracene	0.041J	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 16:24	120-12-7	
Benzo(a)anthracene	0.18	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 16:24	56-55-3	
Benzo(a)pyrene	0.18	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 16:24	50-32-8	
Benzo(b)fluoranthene	0.25	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 16:24	205-99-2	
Benzo(g,h,i)perylene	0.17J	mg/kg	0.19	0.056	1	02/16/21 10:10	02/16/21 16:24	191-24-2	
Benzo(k)fluoranthene	0.11J	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 16:24	207-08-9	
Butylbenzylphthalate	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 16:24	85-68-7	
Carbazole	0.042J	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 16:24	86-74-8	
Chrysene	0.23	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 16:24	218-01-9	
Di-n-butylphthalate	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 16:24	84-74-2	
Di-n-octylphthalate	<0.048	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 16:24	117-84-0	
Dibenz(a,h)anthracene	<0.058	mg/kg	0.19	0.058	1	02/16/21 10:10	02/16/21 16:24	53-70-3	
Dibenzofuran	0.050J	mg/kg	0.086	0.026	1	02/16/21 10:10	02/16/21 16:24	132-64-9	
Diethylphthalate	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 16:24	84-66-2	
Dimethylphthalate	<0.028	mg/kg	0.093	0.028	1	02/16/21 10:10	02/16/21 16:24	131-11-3	
Fluoranthene	0.47	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 16:24	206-44-0	
Fluorene	0.027J	mg/kg	0.083	0.025	1	02/16/21 10:10	02/16/21 16:24	86-73-7	
Hexachloro-1,3-butadiene	<0.054	mg/kg	0.18	0.054	1	02/16/21 10:10	02/16/21 16:24	87-68-3	
Hexachlorobenzene	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 16:24	118-74-1	
Hexachlorocyclopentadiene	<0.051	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 16:24	77-47-4	
Hexachloroethane	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 16:24	67-72-1	
Indeno(1,2,3-cd)pyrene	0.18	mg/kg	0.15	0.046	1	02/16/21 10:10	02/16/21 16:24	193-39-5	CH
Isophorone	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 16:24	78-59-1	
N-Nitroso-di-n-propylamine	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 16:24	621-64-7	
N-Nitrosodiphenylamine	<0.29	mg/kg	0.97	0.29	1	02/16/21 10:10	02/16/21 16:24	86-30-6	
Naphthalene	<0.075	mg/kg	0.25	0.075	1	02/16/21 10:10	02/16/21 16:24	91-20-3	
Nitrobenzene	<0.043	mg/kg	0.14	0.043	1	02/16/21 10:10	02/16/21 16:24	98-95-3	
Pentachlorophenol	0.47	mg/kg	0.16	0.047	1	02/16/21 10:10	02/16/21 16:24	87-86-5	
Phenanthrene	0.40	mg/kg	0.091	0.027	1	02/16/21 10:10	02/16/21 16:24	85-01-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-10-7.5-8.0-20210210**    **Lab ID: 40222095010**    Collected: 02/10/21 09:20    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenol	<0.051	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 16:24	108-95-2	
Pyrene	0.37	mg/kg	0.16	0.047	1	02/16/21 10:10	02/16/21 16:24	129-00-0	
bis(2-Chloroethoxy)methane	<0.058	mg/kg	0.19	0.058	1	02/16/21 10:10	02/16/21 16:24	111-91-1	
bis(2-Chloroethyl) ether	<0.067	mg/kg	0.22	0.067	1	02/16/21 10:10	02/16/21 16:24	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 16:24	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	66	%	17-110		1	02/16/21 10:10	02/16/21 16:24	4165-60-0	
2-Fluorobiphenyl (S)	67	%	45-103		1	02/16/21 10:10	02/16/21 16:24	321-60-8	
Terphenyl-d14 (S)	66	%	46-100		1	02/16/21 10:10	02/16/21 16:24	1718-51-0	
Phenol-d6 (S)	59	%	11-109		1	02/16/21 10:10	02/16/21 16:24	13127-88-3	
2-Fluorophenol (S)	64	%	10-110		1	02/16/21 10:10	02/16/21 16:24	367-12-4	
2,4,6-Tribromophenol (S)	73	%	10-153		1	02/16/21 10:10	02/16/21 16:24	118-79-6	
<b>8260 MSV 5030/5035 Low Level</b> Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.0043	mg/kg	0.014	0.0043	1	02/17/21 05:00	02/17/21 12:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0067	mg/kg	0.022	0.0067	1	02/17/21 05:00	02/17/21 12:02	79-34-5	
1,1,2-Trichloroethane	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 12:02	79-00-5	
1,1-Dichloroethane	<0.0055	mg/kg	0.018	0.0055	1	02/17/21 05:00	02/17/21 12:02	75-34-3	
1,1-Dichloroethene	<0.0046	mg/kg	0.015	0.0046	1	02/17/21 05:00	02/17/21 12:02	75-35-4	
1,2-Dichloroethane	<0.00054	mg/kg	0.0018	0.00054	1	02/17/21 05:00	02/17/21 12:02	107-06-2	
1,2-Dichloropropane	<0.0035	mg/kg	0.012	0.0035	1	02/17/21 05:00	02/17/21 12:02	78-87-5	
2-Butanone (MEK)	<0.0099	mg/kg	0.033	0.0099	1	02/17/21 05:00	02/17/21 12:02	78-93-3	
2-Hexanone	<0.015	mg/kg	0.050	0.015	1	02/17/21 05:00	02/17/21 12:02	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0038	mg/kg	0.013	0.0038	1	02/17/21 05:00	02/17/21 12:02	108-10-1	
Acetone	<0.063	mg/kg	0.21	0.063	1	02/17/21 05:00	02/17/21 12:02	67-64-1	
Benzene	<0.0036	mg/kg	0.012	0.0036	1	02/17/21 05:00	02/17/21 12:02	71-43-2	
Bromodichloromethane	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 12:02	75-27-4	
Bromoform	<0.011	mg/kg	0.036	0.011	1	02/17/21 05:00	02/17/21 12:02	75-25-2	
Bromomethane	<0.0081	mg/kg	0.027	0.0081	1	02/17/21 05:00	02/17/21 12:02	74-83-9	
Carbon disulfide	<0.0045	mg/kg	0.015	0.0045	1	02/17/21 05:00	02/17/21 12:02	75-15-0	
Carbon tetrachloride	<0.0042	mg/kg	0.014	0.0042	1	02/17/21 05:00	02/17/21 12:02	56-23-5	
Chlorobenzene	<0.0039	mg/kg	0.013	0.0039	1	02/17/21 05:00	02/17/21 12:02	108-90-7	
Chloroethane	<0.0049	mg/kg	0.016	0.0049	1	02/17/21 05:00	02/17/21 12:02	75-00-3	
Chloroform	<0.0044	mg/kg	0.015	0.0044	1	02/17/21 05:00	02/17/21 12:02	67-66-3	
Chloromethane	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 12:02	74-87-3	
Dibromochloromethane	<0.0034	mg/kg	0.011	0.0034	1	02/17/21 05:00	02/17/21 12:02	124-48-1	
Ethylbenzene	<0.0047	mg/kg	0.016	0.0047	1	02/17/21 05:00	02/17/21 12:02	100-41-4	
Methyl-tert-butyl ether	<0.0056	mg/kg	0.019	0.0056	1	02/17/21 05:00	02/17/21 12:02	1634-04-4	
Methylene Chloride	<0.0037	mg/kg	0.012	0.0037	1	02/17/21 05:00	02/17/21 12:02	75-09-2	
Styrene	<0.016	mg/kg	0.053	0.016	1	02/17/21 05:00	02/17/21 12:02	100-42-5	
Tetrachloroethene	<0.0066	mg/kg	0.022	0.0066	1	02/17/21 05:00	02/17/21 12:02	127-18-4	
Toluene	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 12:02	108-88-3	
Trichloroethene	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 12:02	79-01-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-10-7.5-8.0-20210210**    **Lab ID: 40222095010**    Collected: 02/10/21 09:20    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Vinyl chloride	<0.0065	mg/kg	0.022	0.0065	1	02/17/21 05:00	02/17/21 12:02	75-01-4	
Xylene (Total)	<0.012	mg/kg	0.039	0.012	1	02/17/21 05:00	02/17/21 12:02	1330-20-7	
cis-1,2-Dichloroethene	<0.0057	mg/kg	0.019	0.0057	1	02/17/21 05:00	02/17/21 12:02	156-59-2	
cis-1,3-Dichloropropene	<0.0076	mg/kg	0.025	0.0076	1	02/17/21 05:00	02/17/21 12:02	10061-01-5	
trans-1,2-Dichloroethene	<0.0040	mg/kg	0.013	0.0040	1	02/17/21 05:00	02/17/21 12:02	156-60-5	
trans-1,3-Dichloropropene	<0.0028	mg/kg	0.0094	0.0028	1	02/17/21 05:00	02/17/21 12:02	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	107	%	70-130		1	02/17/21 05:00	02/17/21 12:02	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1	02/17/21 05:00	02/17/21 12:02	2037-26-5	
4-Bromofluorobenzene (S)	97	%	63-130		1	02/17/21 05:00	02/17/21 12:02	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	21.9	%	0.10	0.10	1		02/12/21 12:38		
<b>9040 pH</b>									
Analytical Method: EPA 9040									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	7.7	Std. Units	0.10	0.010	1		02/17/21 10:07		1q,H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-11-4.0-4.5-20210210** Lab ID: **40222095011** Collected: 02/10/21 10:00 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	<b>25000</b>	mg/kg	331	99.4	6.667	02/15/21 05:25	02/18/21 05:26	7429-90-5	
Antimony	<b>&lt;0.21</b>	mg/kg	0.84	0.21	6.667	02/15/21 05:25	02/18/21 05:26	7440-36-0	D3
Arsenic	<b>4.8</b>	mg/kg	3.3	1.0	20	02/15/21 05:25	02/18/21 06:54	7440-38-2	
Barium	<b>102</b>	mg/kg	1.1	0.33	6.667	02/15/21 05:25	02/18/21 05:26	7440-39-3	
Beryllium	<b>0.93</b>	mg/kg	0.84	0.17	6.667	02/15/21 05:25	02/18/21 05:26	7440-41-7	
Cadmium	<b>&lt;0.37</b>	mg/kg	2.5	0.37	20	02/15/21 05:25	02/18/21 06:54	7440-43-9	D3
Calcium	<b>5630</b>	mg/kg	782	234	6.667	02/15/21 05:25	02/16/21 21:41	7440-70-2	
Chromium	<b>30.7</b>	mg/kg	2.6	0.77	6.667	02/15/21 05:25	02/18/21 05:26	7440-47-3	
Cobalt	<b>5.7</b>	mg/kg	0.84	0.23	6.667	02/15/21 05:25	02/18/21 05:26	7440-48-4	
Copper	<b>30.2</b>	mg/kg	2.3	0.68	6.667	02/15/21 05:25	02/18/21 05:26	7440-50-8	
Iron	<b>25900</b>	mg/kg	210	61.4	6.667	02/15/21 05:25	02/18/21 05:26	7439-89-6	
Lead	<b>15.0</b>	mg/kg	0.84	0.23	6.667	02/15/21 05:25	02/18/21 05:26	7439-92-1	
Magnesium	<b>5920</b>	mg/kg	210	58.0	6.667	02/15/21 05:25	02/18/21 05:26	7439-95-4	
Manganese	<b>164</b>	mg/kg	2.3	0.69	6.667	02/15/21 05:25	02/18/21 05:26	7439-96-5	
Nickel	<b>23.2</b>	mg/kg	1.1	0.33	6.667	02/15/21 05:25	02/18/21 05:26	7440-02-0	
Potassium	<b>2390</b>	mg/kg	1300	391	6.667	02/15/21 05:25	02/18/21 05:26	7440-09-7	
Selenium	<b>2.5</b>	mg/kg	2.5	0.69	20	02/15/21 05:25	02/18/21 06:54	7782-49-2	
Silver	<b>&lt;0.36</b>	mg/kg	1.3	0.36	20	02/15/21 05:25	02/18/21 06:54	7440-22-4	D3
Sodium	<b>585</b>	mg/kg	210	53.0	6.667	02/15/21 05:25	02/18/21 05:26	7440-23-5	
Thallium	<b>0.24J</b>	mg/kg	0.84	0.14	6.667	02/15/21 05:25	02/18/21 05:26	7440-28-0	D3
Vanadium	<b>46.3</b>	mg/kg	1.1	0.32	6.667	02/15/21 05:25	02/18/21 05:26	7440-62-2	
Zinc	<b>98.5</b>	mg/kg	29.3	8.8	6.667	02/15/21 05:25	02/18/21 05:26	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<b>0.067</b>	mg/kg	0.044	0.012	1	02/16/21 11:32	02/17/21 09:39	7439-97-6	
<b>8270E MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<b>&lt;0.025</b>	mg/kg	0.083	0.025	1	02/16/21 10:10	02/16/21 13:14	120-82-1	
1,2-Dichlorobenzene	<b>&lt;0.069</b>	mg/kg	0.23	0.069	1	02/16/21 10:10	02/16/21 13:14	95-50-1	
1,3-Dichlorobenzene	<b>&lt;0.030</b>	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 13:14	541-73-1	
1,4-Dichlorobenzene	<b>&lt;0.031</b>	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 13:14	106-46-7	
2,2'-Oxybis(1-chloropropane)	<b>&lt;0.057</b>	mg/kg	0.19	0.057	1	02/16/21 10:10	02/16/21 13:14	108-60-1	
2,4,5-Trichlorophenol	<b>&lt;0.039</b>	mg/kg	0.13	0.039	1	02/16/21 10:10	02/16/21 13:14	95-95-4	
2,4,6-Trichlorophenol	<b>&lt;0.034</b>	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 13:14	88-06-2	
2,4-Dichlorophenol	<b>&lt;0.059</b>	mg/kg	0.20	0.059	1	02/16/21 10:10	02/16/21 13:14	120-83-2	
2,4-Dimethylphenol	<b>&lt;0.043</b>	mg/kg	0.14	0.043	1	02/16/21 10:10	02/16/21 13:14	105-67-9	
2,4-Dinitrophenol	<b>&lt;0.067</b>	mg/kg	0.22	0.067	1	02/16/21 10:10	02/16/21 13:14	51-28-5	
2,4-Dinitrotoluene	<b>&lt;0.031</b>	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 13:14	121-14-2	
2,6-Dinitrotoluene	<b>&lt;0.042</b>	mg/kg	0.14	0.042	1	02/16/21 10:10	02/16/21 13:14	606-20-2	
2-Chloronaphthalene	<b>&lt;0.028</b>	mg/kg	0.094	0.028	1	02/16/21 10:10	02/16/21 13:14	91-58-7	
2-Chlorophenol	<b>&lt;0.055</b>	mg/kg	0.18	0.055	1	02/16/21 10:10	02/16/21 13:14	95-57-8	
2-Methylnaphthalene	<b>&lt;0.057</b>	mg/kg	0.19	0.057	1	02/16/21 10:10	02/16/21 13:14	91-57-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Sample: **SB-11-4.0-4.5-20210210** Lab ID: **40222095011** Collected: 02/10/21 10:00 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
2-Methylphenol(o-Cresol)	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 13:14	95-48-7	
2-Nitroaniline	<0.063	mg/kg	0.21	0.063	1	02/16/21 10:10	02/16/21 13:14	88-74-4	
2-Nitrophenol	<0.069	mg/kg	0.23	0.069	1	02/16/21 10:10	02/16/21 13:14	88-75-5	
3&4-Methylphenol(m&p Cresol)	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 13:14		
3,3'-Dichlorobenzidine	<0.060	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 13:14	91-94-1	
3-Nitroaniline	<0.037	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 13:14	99-09-2	3q
4,6-Dinitro-2-methylphenol	<0.068	mg/kg	0.23	0.068	1	02/16/21 10:10	02/16/21 13:14	534-52-1	
4-Bromophenylphenyl ether	<0.046	mg/kg	0.15	0.046	1	02/16/21 10:10	02/16/21 13:14	101-55-3	
4-Chloro-3-methylphenol	<0.068	mg/kg	0.23	0.068	1	02/16/21 10:10	02/16/21 13:14	59-50-7	
4-Chloroaniline	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 13:14	106-47-8	3q
4-Chlorophenylphenyl ether	<0.041	mg/kg	0.14	0.041	1	02/16/21 10:10	02/16/21 13:14	7005-72-3	
4-Nitroaniline	<0.091	mg/kg	0.30	0.091	1	02/16/21 10:10	02/16/21 13:14	100-01-6	
4-Nitrophenol	<0.055	mg/kg	0.18	0.055	1	02/16/21 10:10	02/16/21 13:14	100-02-7	
Acenaphthene	<0.078	mg/kg	0.26	0.078	1	02/16/21 10:10	02/16/21 13:14	83-32-9	
Acenaphthylene	<0.078	mg/kg	0.26	0.078	1	02/16/21 10:10	02/16/21 13:14	208-96-8	
Anthracene	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 13:14	120-12-7	
Benzo(a)anthracene	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 13:14	56-55-3	
Benzo(a)pyrene	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 13:14	50-32-8	
Benzo(b)fluoranthene	<0.038	mg/kg	0.13	0.038	1	02/16/21 10:10	02/16/21 13:14	205-99-2	
Benzo(g,h,i)perylene	<0.058	mg/kg	0.19	0.058	1	02/16/21 10:10	02/16/21 13:14	191-24-2	
Benzo(k)fluoranthene	<0.053	mg/kg	0.18	0.053	1	02/16/21 10:10	02/16/21 13:14	207-08-9	
Butylbenzylphthalate	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 13:14	85-68-7	
Carbazole	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 13:14	86-74-8	
Chrysene	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 13:14	218-01-9	
Di-n-butylphthalate	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 13:14	84-74-2	
Di-n-octylphthalate	<0.049	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 13:14	117-84-0	
Dibenz(a,h)anthracene	<0.060	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 13:14	53-70-3	
Dibenzofuran	<0.027	mg/kg	0.089	0.027	1	02/16/21 10:10	02/16/21 13:14	132-64-9	
Diethylphthalate	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 13:14	84-66-2	
Dimethylphthalate	<0.029	mg/kg	0.095	0.029	1	02/16/21 10:10	02/16/21 13:14	131-11-3	
Fluoranthene	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 13:14	206-44-0	
Fluorene	<0.026	mg/kg	0.086	0.026	1	02/16/21 10:10	02/16/21 13:14	86-73-7	
Hexachloro-1,3-butadiene	<0.056	mg/kg	0.19	0.056	1	02/16/21 10:10	02/16/21 13:14	87-68-3	
Hexachlorobenzene	<0.037	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 13:14	118-74-1	
Hexachlorocyclopentadiene	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 13:14	77-47-4	
Hexachloroethane	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 13:14	67-72-1	
Indeno(1,2,3-cd)pyrene	<0.048	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 13:14	193-39-5	CH
Isophorone	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 13:14	78-59-1	
N-Nitroso-di-n-propylamine	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 13:14	621-64-7	
N-Nitrosodiphenylamine	<0.30	mg/kg	0.99	0.30	1	02/16/21 10:10	02/16/21 13:14	86-30-6	
Naphthalene	<0.077	mg/kg	0.26	0.077	1	02/16/21 10:10	02/16/21 13:14	91-20-3	
Nitrobenzene	<0.045	mg/kg	0.15	0.045	1	02/16/21 10:10	02/16/21 13:14	98-95-3	
Pentachlorophenol	<0.048	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 13:14	87-86-5	
Phenanthrene	<0.028	mg/kg	0.094	0.028	1	02/16/21 10:10	02/16/21 13:14	85-01-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

**Sample: SB-11-4.0-4.5-20210210** Lab ID: **40222095011** Collected: 02/10/21 10:00 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenol	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 13:14	108-95-2	
Pyrene	<0.049	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 13:14	129-00-0	
bis(2-Chloroethoxy)methane	<0.059	mg/kg	0.20	0.059	1	02/16/21 10:10	02/16/21 13:14	111-91-1	
bis(2-Chloroethyl) ether	<0.069	mg/kg	0.23	0.069	1	02/16/21 10:10	02/16/21 13:14	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.037	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 13:14	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	43	%	17-110		1	02/16/21 10:10	02/16/21 13:14	4165-60-0	
2-Fluorobiphenyl (S)	40	%	45-103		1	02/16/21 10:10	02/16/21 13:14	321-60-8	S0
Terphenyl-d14 (S)	46	%	46-100		1	02/16/21 10:10	02/16/21 13:14	1718-51-0	
Phenol-d6 (S)	40	%	11-109		1	02/16/21 10:10	02/16/21 13:14	13127-88-3	
2-Fluorophenol (S)	42	%	10-110		1	02/16/21 10:10	02/16/21 13:14	367-12-4	
2,4,6-Tribromophenol (S)	47	%	10-153		1	02/16/21 10:10	02/16/21 13:14	118-79-6	
<b>8260 MSV 5030/5035 Low Level</b> Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.0035	mg/kg	0.012	0.0035	1	02/17/21 05:00	02/17/21 12:25	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0053	mg/kg	0.018	0.0053	1	02/17/21 05:00	02/17/21 12:25	79-34-5	
1,1,2-Trichloroethane	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 12:25	79-00-5	
1,1-Dichloroethane	<0.0044	mg/kg	0.015	0.0044	1	02/17/21 05:00	02/17/21 12:25	75-34-3	
1,1-Dichloroethene	<0.0037	mg/kg	0.012	0.0037	1	02/17/21 05:00	02/17/21 12:25	75-35-4	
1,2-Dichloroethane	<0.00044	mg/kg	0.0014	0.00044	1	02/17/21 05:00	02/17/21 12:25	107-06-2	
1,2-Dichloropropane	<0.0028	mg/kg	0.0095	0.0028	1	02/17/21 05:00	02/17/21 12:25	78-87-5	
2-Butanone (MEK)	<0.0079	mg/kg	0.026	0.0079	1	02/17/21 05:00	02/17/21 12:25	78-93-3	
2-Hexanone	<0.012	mg/kg	0.040	0.012	1	02/17/21 05:00	02/17/21 12:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0031	mg/kg	0.010	0.0031	1	02/17/21 05:00	02/17/21 12:25	108-10-1	
Acetone	<0.051	mg/kg	0.17	0.051	1	02/17/21 05:00	02/17/21 12:25	67-64-1	
Benzene	<0.0029	mg/kg	0.0097	0.0029	1	02/17/21 05:00	02/17/21 12:25	71-43-2	
Bromodichloromethane	<0.0027	mg/kg	0.0088	0.0027	1	02/17/21 05:00	02/17/21 12:25	75-27-4	
Bromoform	<0.0087	mg/kg	0.029	0.0087	1	02/17/21 05:00	02/17/21 12:25	75-25-2	
Bromomethane	<0.0065	mg/kg	0.022	0.0065	1	02/17/21 05:00	02/17/21 12:25	74-83-9	
Carbon disulfide	<0.0036	mg/kg	0.012	0.0036	1	02/17/21 05:00	02/17/21 12:25	75-15-0	
Carbon tetrachloride	<0.0034	mg/kg	0.011	0.0034	1	02/17/21 05:00	02/17/21 12:25	56-23-5	
Chlorobenzene	<0.0031	mg/kg	0.010	0.0031	1	02/17/21 05:00	02/17/21 12:25	108-90-7	
Chloroethane	<0.0039	mg/kg	0.013	0.0039	1	02/17/21 05:00	02/17/21 12:25	75-00-3	
Chloroform	<0.0035	mg/kg	0.012	0.0035	1	02/17/21 05:00	02/17/21 12:25	67-66-3	
Chloromethane	<0.0027	mg/kg	0.0089	0.0027	1	02/17/21 05:00	02/17/21 12:25	74-87-3	
Dibromochloromethane	<0.0027	mg/kg	0.0091	0.0027	1	02/17/21 05:00	02/17/21 12:25	124-48-1	
Ethylbenzene	<0.0037	mg/kg	0.012	0.0037	1	02/17/21 05:00	02/17/21 12:25	100-41-4	
Methyl-tert-butyl ether	<0.0045	mg/kg	0.015	0.0045	1	02/17/21 05:00	02/17/21 12:25	1634-04-4	
Methylene Chloride	<0.0030	mg/kg	0.0099	0.0030	1	02/17/21 05:00	02/17/21 12:25	75-09-2	
Styrene	<0.013	mg/kg	0.043	0.013	1	02/17/21 05:00	02/17/21 12:25	100-42-5	
Tetrachloroethene	<0.0053	mg/kg	0.018	0.0053	1	02/17/21 05:00	02/17/21 12:25	127-18-4	
Toluene	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 12:25	108-88-3	
Trichloroethene	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 12:25	79-01-6	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-11-4.0-4.5-20210210**    **Lab ID: 40222095011**    Collected: 02/10/21 10:00    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Vinyl chloride	<0.0052	mg/kg	0.017	0.0052	1	02/17/21 05:00	02/17/21 12:25	75-01-4	
Xylene (Total)	<0.0093	mg/kg	0.031	0.0093	1	02/17/21 05:00	02/17/21 12:25	1330-20-7	
cis-1,2-Dichloroethene	<0.0046	mg/kg	0.015	0.0046	1	02/17/21 05:00	02/17/21 12:25	156-59-2	
cis-1,3-Dichloropropene	<0.0061	mg/kg	0.020	0.0061	1	02/17/21 05:00	02/17/21 12:25	10061-01-5	
trans-1,2-Dichloroethene	<0.0032	mg/kg	0.011	0.0032	1	02/17/21 05:00	02/17/21 12:25	156-60-5	
trans-1,3-Dichloropropene	<0.0023	mg/kg	0.0075	0.0023	1	02/17/21 05:00	02/17/21 12:25	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	106	%	70-130		1	02/17/21 05:00	02/17/21 12:25	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1	02/17/21 05:00	02/17/21 12:25	2037-26-5	
4-Bromofluorobenzene (S)	96	%	63-130		1	02/17/21 05:00	02/17/21 12:25	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	24.2	%	0.10	0.10	1		02/12/21 12:38		
<b>9040 pH</b>									
Analytical Method: EPA 9040									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	7.8	Std. Units	0.10	0.010	1		02/17/21 10:08		1q,H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-12-1.0-1.5-20210209 Lab ID: 40222095012** Collected: 02/09/21 15:25 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8151A CI Acid Herbicide Solids</b>									
Analytical Method: EPA 8151A Preparation Method: EPA 8151A									
Pace Analytical Services - Indianapolis									
2,4-D	<42.2	ug/kg	62.6	42.2	1	02/19/21 10:12	02/22/21 15:49	94-75-7	
Dalapon	<46.8	ug/kg	62.6	46.8	1	02/19/21 10:12	02/22/21 15:49	75-99-0	
Dinoseb	<34.2	ug/kg	62.6	34.2	1	02/19/21 10:12	02/22/21 15:49	88-85-7	
Picloram	<46.4	ug/kg	62.6	46.4	1	02/19/21 10:12	02/22/21 15:49	1918-02-1	
2,4,5-TP (Silvex)	<46.7	ug/kg	62.6	46.7	1	02/19/21 10:12	02/22/21 15:49	93-72-1	
<b>Surrogates</b>									
2,4-DCAA (S)	70	%	10-161		1	02/19/21 10:12	02/22/21 15:49	19719-28-9	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	32400	mg/kg	317	95.3	6.667	02/15/21 05:25	02/18/21 05:33	7429-90-5	
Antimony	0.26J	mg/kg	0.81	0.20	6.667	02/15/21 05:25	02/18/21 05:33	7440-36-0	D3
Arsenic	19.9	mg/kg	3.2	0.96	20	02/15/21 05:25	02/18/21 07:00	7440-38-2	
Barium	152	mg/kg	1.1	0.32	6.667	02/15/21 05:25	02/18/21 05:33	7440-39-3	
Beryllium	1.5	mg/kg	0.81	0.17	6.667	02/15/21 05:25	02/18/21 05:33	7440-41-7	
Cadmium	<0.35	mg/kg	2.4	0.35	20	02/15/21 05:25	02/18/21 07:00	7440-43-9	D3
Calcium	3760	mg/kg	750	224	6.667	02/15/21 05:25	02/16/21 21:47	7440-70-2	
Chromium	35.1	mg/kg	2.5	0.74	6.667	02/15/21 05:25	02/18/21 05:33	7440-47-3	
Cobalt	23.0	mg/kg	0.81	0.22	6.667	02/15/21 05:25	02/18/21 05:33	7440-48-4	
Copper	32.7	mg/kg	2.2	0.65	6.667	02/15/21 05:25	02/18/21 05:33	7440-50-8	
Iron	44800	mg/kg	202	58.8	6.667	02/15/21 05:25	02/18/21 05:33	7439-89-6	
Lead	19.6	mg/kg	0.81	0.22	6.667	02/15/21 05:25	02/18/21 05:33	7439-92-1	
Magnesium	5590	mg/kg	202	55.6	6.667	02/15/21 05:25	02/18/21 05:33	7439-95-4	
Manganese	372	mg/kg	2.2	0.67	6.667	02/15/21 05:25	02/18/21 05:33	7439-96-5	
Nickel	32.2	mg/kg	1.1	0.32	6.667	02/15/21 05:25	02/18/21 05:33	7440-02-0	
Potassium	3260	mg/kg	1250	375	6.667	02/15/21 05:25	02/18/21 05:33	7440-09-7	
Selenium	2.9	mg/kg	2.4	0.66	20	02/15/21 05:25	02/18/21 07:00	7782-49-2	
Silver	<0.35	mg/kg	1.2	0.35	20	02/15/21 05:25	02/18/21 07:00	7440-22-4	D3
Sodium	1990	mg/kg	202	50.8	6.667	02/15/21 05:25	02/18/21 05:33	7440-23-5	
Thallium	0.29J	mg/kg	0.81	0.14	6.667	02/15/21 05:25	02/18/21 05:33	7440-28-0	D3
Vanadium	78.5	mg/kg	1.0	0.31	6.667	02/15/21 05:25	02/18/21 05:33	7440-62-2	
Zinc	79.1	mg/kg	28.1	8.4	6.667	02/15/21 05:25	02/18/21 05:33	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.049	mg/kg	0.042	0.012	1	02/16/21 11:32	02/17/21 09:41	7439-97-6	
<b>8270E MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<0.024	mg/kg	0.079	0.024	1	02/16/21 10:10	02/16/21 13:35	120-82-1	
1,2-Dichlorobenzene	<0.066	mg/kg	0.22	0.066	1	02/16/21 10:10	02/16/21 13:35	95-50-1	
1,3-Dichlorobenzene	<0.029	mg/kg	0.096	0.029	1	02/16/21 10:10	02/16/21 13:35	541-73-1	
1,4-Dichlorobenzene	<0.029	mg/kg	0.097	0.029	1	02/16/21 10:10	02/16/21 13:35	106-46-7	
2,2'-Oxybis(1-chloropropane)	<0.054	mg/kg	0.18	0.054	1	02/16/21 10:10	02/16/21 13:35	108-60-1	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-12-1.0-1.5-20210209** Lab ID: **40222095012** Collected: 02/09/21 15:25 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
2,4,5-Trichlorophenol	<0.037	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 13:35	95-95-4	
2,4,6-Trichlorophenol	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 13:35	88-06-2	
2,4-Dichlorophenol	<0.056	mg/kg	0.19	0.056	1	02/16/21 10:10	02/16/21 13:35	120-83-2	
2,4-Dimethylphenol	<0.041	mg/kg	0.14	0.041	1	02/16/21 10:10	02/16/21 13:35	105-67-9	
2,4-Dinitrophenol	<0.064	mg/kg	0.21	0.064	1	02/16/21 10:10	02/16/21 13:35	51-28-5	
2,4-Dinitrotoluene	<0.030	mg/kg	0.099	0.030	1	02/16/21 10:10	02/16/21 13:35	121-14-2	
2,6-Dinitrotoluene	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 13:35	606-20-2	
2-Chloronaphthalene	<0.027	mg/kg	0.089	0.027	1	02/16/21 10:10	02/16/21 13:35	91-58-7	
2-Chlorophenol	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 13:35	95-57-8	
2-Methylnaphthalene	<0.054	mg/kg	0.18	0.054	1	02/16/21 10:10	02/16/21 13:35	91-57-6	
2-Methylphenol(o-Cresol)	<0.038	mg/kg	0.13	0.038	1	02/16/21 10:10	02/16/21 13:35	95-48-7	
2-Nitroaniline	<0.059	mg/kg	0.20	0.059	1	02/16/21 10:10	02/16/21 13:35	88-74-4	
2-Nitrophenol	<0.066	mg/kg	0.22	0.066	1	02/16/21 10:10	02/16/21 13:35	88-75-5	
3&4-Methylphenol(m&p Cresol)	<0.038	mg/kg	0.13	0.038	1	02/16/21 10:10	02/16/21 13:35		
3,3'-Dichlorobenzidine	<0.057	mg/kg	0.19	0.057	1	02/16/21 10:10	02/16/21 13:35	91-94-1	
3-Nitroaniline	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 13:35	99-09-2	3q
4,6-Dinitro-2-methylphenol	<0.064	mg/kg	0.21	0.064	1	02/16/21 10:10	02/16/21 13:35	534-52-1	
4-Bromophenylphenyl ether	<0.044	mg/kg	0.15	0.044	1	02/16/21 10:10	02/16/21 13:35	101-55-3	
4-Chloro-3-methylphenol	<0.065	mg/kg	0.22	0.065	1	02/16/21 10:10	02/16/21 13:35	59-50-7	
4-Chloroaniline	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 13:35	106-47-8	3q
4-Chlorophenylphenyl ether	<0.039	mg/kg	0.13	0.039	1	02/16/21 10:10	02/16/21 13:35	7005-72-3	
4-Nitroaniline	<0.087	mg/kg	0.29	0.087	1	02/16/21 10:10	02/16/21 13:35	100-01-6	
4-Nitrophenol	<0.053	mg/kg	0.18	0.053	1	02/16/21 10:10	02/16/21 13:35	100-02-7	
Acenaphthene	<0.074	mg/kg	0.25	0.074	1	02/16/21 10:10	02/16/21 13:35	83-32-9	
Acenaphthylene	<0.074	mg/kg	0.25	0.074	1	02/16/21 10:10	02/16/21 13:35	208-96-8	
Anthracene	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 13:35	120-12-7	
Benzo(a)anthracene	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 13:35	56-55-3	
Benzo(a)pyrene	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 13:35	50-32-8	
Benzo(b)fluoranthene	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 13:35	205-99-2	
Benzo(g,h,i)perylene	<0.055	mg/kg	0.18	0.055	1	02/16/21 10:10	02/16/21 13:35	191-24-2	
Benzo(k)fluoranthene	<0.050	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 13:35	207-08-9	
Butylbenzylphthalate	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 13:35	85-68-7	
Carbazole	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 13:35	86-74-8	
Chrysene	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 13:35	218-01-9	
Di-n-butylphthalate	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 13:35	84-74-2	
Di-n-octylphthalate	<0.047	mg/kg	0.16	0.047	1	02/16/21 10:10	02/16/21 13:35	117-84-0	
Dibenz(a,h)anthracene	<0.057	mg/kg	0.19	0.057	1	02/16/21 10:10	02/16/21 13:35	53-70-3	
Dibenzofuran	<0.025	mg/kg	0.084	0.025	1	02/16/21 10:10	02/16/21 13:35	132-64-9	
Diethylphthalate	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 13:35	84-66-2	
Dimethylphthalate	<0.027	mg/kg	0.090	0.027	1	02/16/21 10:10	02/16/21 13:35	131-11-3	
Fluoranthene	<0.030	mg/kg	0.098	0.030	1	02/16/21 10:10	02/16/21 13:35	206-44-0	
Fluorene	<0.024	mg/kg	0.081	0.024	1	02/16/21 10:10	02/16/21 13:35	86-73-7	
Hexachloro-1,3-butadiene	<0.053	mg/kg	0.18	0.053	1	02/16/21 10:10	02/16/21 13:35	87-68-3	
Hexachlorobenzene	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 13:35	118-74-1	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

**Sample: SB-12-1.0-1.5-20210209**      **Lab ID: 40222095012**      Collected: 02/09/21 15:25      Received: 02/12/21 09:30      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Hexachlorocyclopentadiene	<0.049	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 13:35	77-47-4	
Hexachloroethane	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 13:35	67-72-1	
Indeno(1,2,3-cd)pyrene	<0.045	mg/kg	0.15	0.045	1	02/16/21 10:10	02/16/21 13:35	193-39-5	CH
Isophorone	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 13:35	78-59-1	
N-Nitroso-di-n-propylamine	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 13:35	621-64-7	
N-Nitrosodiphenylamine	<0.28	mg/kg	0.94	0.28	1	02/16/21 10:10	02/16/21 13:35	86-30-6	
Naphthalene	<0.073	mg/kg	0.24	0.073	1	02/16/21 10:10	02/16/21 13:35	91-20-3	
Nitrobenzene	<0.042	mg/kg	0.14	0.042	1	02/16/21 10:10	02/16/21 13:35	98-95-3	
Pentachlorophenol	<0.046	mg/kg	0.15	0.046	1	02/16/21 10:10	02/16/21 13:35	87-86-5	
Phenanthrene	<0.027	mg/kg	0.089	0.027	1	02/16/21 10:10	02/16/21 13:35	85-01-8	
Phenol	<0.050	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 13:35	108-95-2	
Pyrene	<0.046	mg/kg	0.15	0.046	1	02/16/21 10:10	02/16/21 13:35	129-00-0	
bis(2-Chloroethoxy)methane	<0.056	mg/kg	0.19	0.056	1	02/16/21 10:10	02/16/21 13:35	111-91-1	
bis(2-Chloroethyl) ether	<0.065	mg/kg	0.22	0.065	1	02/16/21 10:10	02/16/21 13:35	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 13:35	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	19	%	17-110		1	02/16/21 10:10	02/16/21 13:35	4165-60-0	
2-Fluorobiphenyl (S)	22	%	45-103		1	02/16/21 10:10	02/16/21 13:35	321-60-8	S0
Terphenyl-d14 (S)	33	%	46-100		1	02/16/21 10:10	02/16/21 13:35	1718-51-0	S0
Phenol-d6 (S)	21	%	11-109		1	02/16/21 10:10	02/16/21 13:35	13127-88-3	
2-Fluorophenol (S)	20	%	10-110		1	02/16/21 10:10	02/16/21 13:35	367-12-4	
2,4,6-Tribromophenol (S)	28	%	10-153		1	02/16/21 10:10	02/16/21 13:35	118-79-6	
<b>8260 MSV 5030/5035 Low Level</b> Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.0039	mg/kg	0.013	0.0039	1	02/17/21 05:00	02/17/21 12:48	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0060	mg/kg	0.020	0.0060	1	02/17/21 05:00	02/17/21 12:48	79-34-5	
1,1,2-Trichloroethane	<0.0037	mg/kg	0.012	0.0037	1	02/17/21 05:00	02/17/21 12:48	79-00-5	
1,1-Dichloroethane	<0.0049	mg/kg	0.016	0.0049	1	02/17/21 05:00	02/17/21 12:48	75-34-3	
1,1-Dichloroethene	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 12:48	75-35-4	
1,2-Dichloroethane	<0.00049	mg/kg	0.0016	0.00049	1	02/17/21 05:00	02/17/21 12:48	107-06-2	
1,2-Dichloropropane	<0.0032	mg/kg	0.011	0.0032	1	02/17/21 05:00	02/17/21 12:48	78-87-5	
2-Butanone (MEK)	<0.0088	mg/kg	0.029	0.0088	1	02/17/21 05:00	02/17/21 12:48	78-93-3	
2-Hexanone	<0.014	mg/kg	0.045	0.014	1	02/17/21 05:00	02/17/21 12:48	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0034	mg/kg	0.011	0.0034	1	02/17/21 05:00	02/17/21 12:48	108-10-1	
Acetone	<0.057	mg/kg	0.19	0.057	1	02/17/21 05:00	02/17/21 12:48	67-64-1	
Benzene	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 12:48	71-43-2	
Bromodichloromethane	<0.0030	mg/kg	0.0099	0.0030	1	02/17/21 05:00	02/17/21 12:48	75-27-4	
Bromoform	<0.0097	mg/kg	0.032	0.0097	1	02/17/21 05:00	02/17/21 12:48	75-25-2	
Bromomethane	<0.0073	mg/kg	0.024	0.0073	1	02/17/21 05:00	02/17/21 12:48	74-83-9	
Carbon disulfide	<0.0040	mg/kg	0.013	0.0040	1	02/17/21 05:00	02/17/21 12:48	75-15-0	
Carbon tetrachloride	<0.0038	mg/kg	0.013	0.0038	1	02/17/21 05:00	02/17/21 12:48	56-23-5	
Chlorobenzene	<0.0035	mg/kg	0.012	0.0035	1	02/17/21 05:00	02/17/21 12:48	108-90-7	
Chloroethane	<0.0044	mg/kg	0.015	0.0044	1	02/17/21 05:00	02/17/21 12:48	75-00-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-12-1.0-1.5-20210209**    **Lab ID: 40222095012**    Collected: 02/09/21 15:25    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Chloroform	<0.0039	mg/kg	0.013	0.0039	1	02/17/21 05:00	02/17/21 12:48	67-66-3	
Chloromethane	<0.0030	mg/kg	0.0099	0.0030	1	02/17/21 05:00	02/17/21 12:48	74-87-3	
Dibromochloromethane	<0.0031	mg/kg	0.010	0.0031	1	02/17/21 05:00	02/17/21 12:48	124-48-1	
Ethylbenzene	<0.0042	mg/kg	0.014	0.0042	1	02/17/21 05:00	02/17/21 12:48	100-41-4	
Methyl-tert-butyl ether	<0.0050	mg/kg	0.017	0.0050	1	02/17/21 05:00	02/17/21 12:48	1634-04-4	
Methylene Chloride	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 12:48	75-09-2	
Styrene	<0.014	mg/kg	0.048	0.014	1	02/17/21 05:00	02/17/21 12:48	100-42-5	
Tetrachloroethene	<0.0059	mg/kg	0.020	0.0059	1	02/17/21 05:00	02/17/21 12:48	127-18-4	
Toluene	<0.0037	mg/kg	0.012	0.0037	1	02/17/21 05:00	02/17/21 12:48	108-88-3	
Trichloroethene	<0.0037	mg/kg	0.012	0.0037	1	02/17/21 05:00	02/17/21 12:48	79-01-6	
Vinyl chloride	<0.0059	mg/kg	0.019	0.0059	1	02/17/21 05:00	02/17/21 12:48	75-01-4	
Xylene (Total)	<0.010	mg/kg	0.035	0.010	1	02/17/21 05:00	02/17/21 12:48	1330-20-7	
cis-1,2-Dichloroethene	<0.0051	mg/kg	0.017	0.0051	1	02/17/21 05:00	02/17/21 12:48	156-59-2	
cis-1,3-Dichloropropene	<0.0069	mg/kg	0.023	0.0069	1	02/17/21 05:00	02/17/21 12:48	10061-01-5	
trans-1,2-Dichloroethene	<0.0036	mg/kg	0.012	0.0036	1	02/17/21 05:00	02/17/21 12:48	156-60-5	
trans-1,3-Dichloropropene	<0.0025	mg/kg	0.0084	0.0025	1	02/17/21 05:00	02/17/21 12:48	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	102	%	70-130		1	02/17/21 05:00	02/17/21 12:48	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1	02/17/21 05:00	02/17/21 12:48	2037-26-5	
4-Bromofluorobenzene (S)	94	%	63-130		1	02/17/21 05:00	02/17/21 12:48	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	20.1	%	0.10	0.10	1		02/12/21 12:38		
<b>9040 pH</b>									
Analytical Method: EPA 9040									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	8.2	Std. Units	0.10	0.010	1		02/17/21 10:10		1q,H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-13-7.0-7.5-20210210** Lab ID: **40222095013** Collected: 02/10/21 12:30 Received: 02/12/21 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	12500	mg/kg	307	92.2	6.667	02/15/21 05:25	02/18/21 05:40	7429-90-5	
Antimony	<0.19	mg/kg	0.78	0.19	6.667	02/15/21 05:25	02/18/21 05:40	7440-36-0	D3
Arsenic	7.6	mg/kg	1.0	0.31	6.667	02/15/21 05:25	02/18/21 05:40	7440-38-2	
Barium	90.0	mg/kg	1.0	0.31	6.667	02/15/21 05:25	02/18/21 05:40	7440-39-3	
Beryllium	0.37J	mg/kg	0.78	0.16	6.667	02/15/21 05:25	02/18/21 05:40	7440-41-7	D3
Cadmium	0.15J	mg/kg	0.78	0.11	6.667	02/15/21 05:25	02/18/21 05:40	7440-43-9	D3
Calcium	45200	mg/kg	726	217	6.667	02/15/21 05:25	02/16/21 21:54	7440-70-2	
Chromium	17.6	mg/kg	2.4	0.71	6.667	02/15/21 05:25	02/18/21 05:40	7440-47-3	
Cobalt	5.7	mg/kg	0.78	0.21	6.667	02/15/21 05:25	02/18/21 05:40	7440-48-4	
Copper	16.4	mg/kg	2.1	0.63	6.667	02/15/21 05:25	02/18/21 05:40	7440-50-8	
Iron	16500	mg/kg	195	57.0	6.667	02/15/21 05:25	02/18/21 05:40	7439-89-6	
Lead	21.2	mg/kg	0.78	0.21	6.667	02/15/21 05:25	02/18/21 05:40	7439-92-1	
Magnesium	15900	mg/kg	195	53.9	6.667	02/15/21 05:25	02/18/21 05:40	7439-95-4	
Manganese	411	mg/kg	2.1	0.64	6.667	02/15/21 05:25	02/18/21 05:40	7439-96-5	
Nickel	15.8	mg/kg	1.0	0.31	6.667	02/15/21 05:25	02/18/21 05:40	7440-02-0	
Potassium	2230	mg/kg	1210	363	6.667	02/15/21 05:25	02/18/21 05:40	7440-09-7	
Selenium	1.4	mg/kg	0.78	0.21	6.667	02/15/21 05:25	02/18/21 05:40	7782-49-2	
Silver	<0.11	mg/kg	0.39	0.11	6.667	02/15/21 05:25	02/18/21 05:40	7440-22-4	D3
Sodium	438	mg/kg	195	49.2	6.667	02/15/21 05:25	02/18/21 05:40	7440-23-5	
Thallium	0.18J	mg/kg	0.78	0.13	6.667	02/15/21 05:25	02/18/21 05:40	7440-28-0	D3
Vanadium	27.6	mg/kg	0.99	0.30	6.667	02/15/21 05:25	02/18/21 05:40	7440-62-2	
Zinc	74.4	mg/kg	27.2	8.2	6.667	02/15/21 05:25	02/18/21 05:40	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Pace Analytical Services - Green Bay

Mercury	0.11	mg/kg	0.040	0.011	1	02/16/21 11:32	02/17/21 09:44	7439-97-6	
---------	------	-------	-------	-------	---	----------------	----------------	-----------	--

### 8270E MSSV FULL LIST MICROWAVE

Analytical Method: EPA 8270E Preparation Method: EPA 3546

Pace Analytical Services - Green Bay

1,2,4-Trichlorobenzene	<0.022	mg/kg	0.074	0.022	1	02/16/21 10:10	02/16/21 16:03	120-82-1	
1,2-Dichlorobenzene	<0.062	mg/kg	0.21	0.062	1	02/16/21 10:10	02/16/21 16:03	95-50-1	
1,3-Dichlorobenzene	<0.027	mg/kg	0.091	0.027	1	02/16/21 10:10	02/16/21 16:03	541-73-1	
1,4-Dichlorobenzene	<0.027	mg/kg	0.091	0.027	1	02/16/21 10:10	02/16/21 16:03	106-46-7	
2,2'-Oxybis(1-chloropropane)	<0.051	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 16:03	108-60-1	
2,4,5-Trichlorophenol	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 16:03	95-95-4	
2,4,6-Trichlorophenol	<0.030	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 16:03	88-06-2	
2,4-Dichlorophenol	<0.053	mg/kg	0.18	0.053	1	02/16/21 10:10	02/16/21 16:03	120-83-2	
2,4-Dimethylphenol	<0.039	mg/kg	0.13	0.039	1	02/16/21 10:10	02/16/21 16:03	105-67-9	
2,4-Dinitrophenol	<0.060	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 16:03	51-28-5	
2,4-Dinitrotoluene	<0.028	mg/kg	0.094	0.028	1	02/16/21 10:10	02/16/21 16:03	121-14-2	
2,6-Dinitrotoluene	<0.037	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 16:03	606-20-2	
2-Chloronaphthalene	<0.025	mg/kg	0.084	0.025	1	02/16/21 10:10	02/16/21 16:03	91-58-7	
2-Chlorophenol	<0.049	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 16:03	95-57-8	
2-Methylnaphthalene	0.064J	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 16:03	91-57-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-13-7.0-7.5-20210210** Lab ID: **40222095013** Collected: 02/10/21 12:30 Received: 02/12/21 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
2-Methylphenol(o-Cresol)	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 16:03	95-48-7	
2-Nitroaniline	<0.056	mg/kg	0.19	0.056	1	02/16/21 10:10	02/16/21 16:03	88-74-4	
2-Nitrophenol	<0.062	mg/kg	0.21	0.062	1	02/16/21 10:10	02/16/21 16:03	88-75-5	
3&4-Methylphenol(m&p Cresol)	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 16:03		
3,3'-Dichlorobenzidine	<0.053	mg/kg	0.18	0.053	1	02/16/21 10:10	02/16/21 16:03	91-94-1	
3-Nitroaniline	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 16:03	99-09-2	3q
4,6-Dinitro-2-methylphenol	<0.061	mg/kg	0.20	0.061	1	02/16/21 10:10	02/16/21 16:03	534-52-1	
4-Bromophenylphenyl ether	<0.041	mg/kg	0.14	0.041	1	02/16/21 10:10	02/16/21 16:03	101-55-3	
4-Chloro-3-methylphenol	<0.061	mg/kg	0.20	0.061	1	02/16/21 10:10	02/16/21 16:03	59-50-7	
4-Chloroaniline	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 16:03	106-47-8	3q
4-Chlorophenylphenyl ether	<0.037	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 16:03	7005-72-3	
4-Nitroaniline	<0.082	mg/kg	0.27	0.082	1	02/16/21 10:10	02/16/21 16:03	100-01-6	
4-Nitrophenol	<0.049	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 16:03	100-02-7	
Acenaphthene	<0.070	mg/kg	0.23	0.070	1	02/16/21 10:10	02/16/21 16:03	83-32-9	
Acenaphthylene	<0.070	mg/kg	0.23	0.070	1	02/16/21 10:10	02/16/21 16:03	208-96-8	
Anthracene	0.054J	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 16:03	120-12-7	
Benzo(a)anthracene	0.14	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 16:03	56-55-3	
Benzo(a)pyrene	0.12	mg/kg	0.099	0.030	1	02/16/21 10:10	02/16/21 16:03	50-32-8	
Benzo(b)fluoranthene	0.17	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 16:03	205-99-2	
Benzo(g,h,i)perylene	0.10J	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 16:03	191-24-2	
Benzo(k)fluoranthene	0.056J	mg/kg	0.16	0.047	1	02/16/21 10:10	02/16/21 16:03	207-08-9	
Butylbenzylphthalate	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 16:03	85-68-7	
Carbazole	0.041J	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 16:03	86-74-8	
Chrysene	0.17	mg/kg	0.098	0.029	1	02/16/21 10:10	02/16/21 16:03	218-01-9	
Di-n-butylphthalate	<0.029	mg/kg	0.098	0.029	1	02/16/21 10:10	02/16/21 16:03	84-74-2	
Di-n-octylphthalate	<0.044	mg/kg	0.15	0.044	1	02/16/21 10:10	02/16/21 16:03	117-84-0	
Dibenz(a,h)anthracene	<0.053	mg/kg	0.18	0.053	1	02/16/21 10:10	02/16/21 16:03	53-70-3	
Dibenzofuran	0.027J	mg/kg	0.079	0.024	1	02/16/21 10:10	02/16/21 16:03	132-64-9	
Diethylphthalate	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 16:03	84-66-2	
Dimethylphthalate	<0.026	mg/kg	0.085	0.026	1	02/16/21 10:10	02/16/21 16:03	131-11-3	
Fluoranthene	0.33	mg/kg	0.093	0.028	1	02/16/21 10:10	02/16/21 16:03	206-44-0	
Fluorene	0.036J	mg/kg	0.077	0.023	1	02/16/21 10:10	02/16/21 16:03	86-73-7	
Hexachloro-1,3-butadiene	<0.050	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 16:03	87-68-3	
Hexachlorobenzene	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 16:03	118-74-1	
Hexachlorocyclopentadiene	<0.046	mg/kg	0.15	0.046	1	02/16/21 10:10	02/16/21 16:03	77-47-4	
Hexachloroethane	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 16:03	67-72-1	
Indeno(1,2,3-cd)pyrene	0.11J	mg/kg	0.14	0.043	1	02/16/21 10:10	02/16/21 16:03	193-39-5	CH
Isophorone	<0.030	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 16:03	78-59-1	
N-Nitroso-di-n-propylamine	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 16:03	621-64-7	
N-Nitrosodiphenylamine	<0.27	mg/kg	0.89	0.27	1	02/16/21 10:10	02/16/21 16:03	86-30-6	
Naphthalene	0.079J	mg/kg	0.23	0.069	1	02/16/21 10:10	02/16/21 16:03	91-20-3	
Nitrobenzene	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 16:03	98-95-3	
Pentachlorophenol	<0.043	mg/kg	0.14	0.043	1	02/16/21 10:10	02/16/21 16:03	87-86-5	
Phenanthrene	0.29	mg/kg	0.084	0.025	1	02/16/21 10:10	02/16/21 16:03	85-01-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-13-7.0-7.5-20210210 Lab ID: 40222095013** Collected: 02/10/21 12:30 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenol	<0.047	mg/kg	0.16	0.047	1	02/16/21 10:10	02/16/21 16:03	108-95-2	
Pyrene	0.24	mg/kg	0.15	0.044	1	02/16/21 10:10	02/16/21 16:03	129-00-0	
bis(2-Chloroethoxy)methane	<0.053	mg/kg	0.18	0.053	1	02/16/21 10:10	02/16/21 16:03	111-91-1	
bis(2-Chloroethyl) ether	<0.061	mg/kg	0.20	0.061	1	02/16/21 10:10	02/16/21 16:03	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 16:03	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	54	%	17-110		1	02/16/21 10:10	02/16/21 16:03	4165-60-0	
2-Fluorobiphenyl (S)	61	%	45-103		1	02/16/21 10:10	02/16/21 16:03	321-60-8	
Terphenyl-d14 (S)	64	%	46-100		1	02/16/21 10:10	02/16/21 16:03	1718-51-0	
Phenol-d6 (S)	58	%	11-109		1	02/16/21 10:10	02/16/21 16:03	13127-88-3	
2-Fluorophenol (S)	58	%	10-110		1	02/16/21 10:10	02/16/21 16:03	367-12-4	
2,4,6-Tribromophenol (S)	71	%	10-153		1	02/16/21 10:10	02/16/21 16:03	118-79-6	
<b>8260 MSV 5030/5035 Low Level</b> Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 13:11	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0051	mg/kg	0.017	0.0051	1	02/17/21 05:00	02/17/21 13:11	79-34-5	
1,1,2-Trichloroethane	<0.0032	mg/kg	0.011	0.0032	1	02/17/21 05:00	02/17/21 13:11	79-00-5	
1,1-Dichloroethane	<0.0042	mg/kg	0.014	0.0042	1	02/17/21 05:00	02/17/21 13:11	75-34-3	
1,1-Dichloroethene	<0.0035	mg/kg	0.012	0.0035	1	02/17/21 05:00	02/17/21 13:11	75-35-4	
1,2-Dichloroethane	<0.00042	mg/kg	0.0014	0.00042	1	02/17/21 05:00	02/17/21 13:11	107-06-2	
1,2-Dichloropropane	<0.0027	mg/kg	0.0091	0.0027	1	02/17/21 05:00	02/17/21 13:11	78-87-5	
2-Butanone (MEK)	<0.0076	mg/kg	0.025	0.0076	1	02/17/21 05:00	02/17/21 13:11	78-93-3	
2-Hexanone	<0.012	mg/kg	0.039	0.012	1	02/17/21 05:00	02/17/21 13:11	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0029	mg/kg	0.0098	0.0029	1	02/17/21 05:00	02/17/21 13:11	108-10-1	
Acetone	<0.049	mg/kg	0.16	0.049	1	02/17/21 05:00	02/17/21 13:11	67-64-1	
Benzene	<0.0028	mg/kg	0.0093	0.0028	1	02/17/21 05:00	02/17/21 13:11	71-43-2	
Bromodichloromethane	<0.0025	mg/kg	0.0085	0.0025	1	02/17/21 05:00	02/17/21 13:11	75-27-4	
Bromoform	<0.0083	mg/kg	0.028	0.0083	1	02/17/21 05:00	02/17/21 13:11	75-25-2	
Bromomethane	<0.0062	mg/kg	0.021	0.0062	1	02/17/21 05:00	02/17/21 13:11	74-83-9	
Carbon disulfide	<0.0034	mg/kg	0.011	0.0034	1	02/17/21 05:00	02/17/21 13:11	75-15-0	
Carbon tetrachloride	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 13:11	56-23-5	
Chlorobenzene	<0.0030	mg/kg	0.010	0.0030	1	02/17/21 05:00	02/17/21 13:11	108-90-7	
Chloroethane	<0.0037	mg/kg	0.012	0.0037	1	02/17/21 05:00	02/17/21 13:11	75-00-3	
Chloroform	<0.0033	mg/kg	0.011	0.0033	1	02/17/21 05:00	02/17/21 13:11	67-66-3	
Chloromethane	<0.0025	mg/kg	0.0085	0.0025	1	02/17/21 05:00	02/17/21 13:11	74-87-3	
Dibromochloromethane	<0.0026	mg/kg	0.0087	0.0026	1	02/17/21 05:00	02/17/21 13:11	124-48-1	
Ethylbenzene	<0.0036	mg/kg	0.012	0.0036	1	02/17/21 05:00	02/17/21 13:11	100-41-4	
Methyl-tert-butyl ether	<0.0043	mg/kg	0.014	0.0043	1	02/17/21 05:00	02/17/21 13:11	1634-04-4	
Methylene Chloride	<0.0029	mg/kg	0.0095	0.0029	1	02/17/21 05:00	02/17/21 13:11	75-09-2	
Styrene	<0.012	mg/kg	0.041	0.012	1	02/17/21 05:00	02/17/21 13:11	100-42-5	
Tetrachloroethene	<0.0051	mg/kg	0.017	0.0051	1	02/17/21 05:00	02/17/21 13:11	127-18-4	
Toluene	<0.0032	mg/kg	0.011	0.0032	1	02/17/21 05:00	02/17/21 13:11	108-88-3	
Trichloroethene	<0.0032	mg/kg	0.011	0.0032	1	02/17/21 05:00	02/17/21 13:11	79-01-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-13-7.0-7.5-20210210 Lab ID: 40222095013** Collected: 02/10/21 12:30 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Vinyl chloride	<0.0050	mg/kg	0.017	0.0050	1	02/17/21 05:00	02/17/21 13:11	75-01-4	
Xylene (Total)	<0.0089	mg/kg	0.030	0.0089	1	02/17/21 05:00	02/17/21 13:11	1330-20-7	
cis-1,2-Dichloroethene	<0.0044	mg/kg	0.015	0.0044	1	02/17/21 05:00	02/17/21 13:11	156-59-2	
cis-1,3-Dichloropropene	<0.0059	mg/kg	0.020	0.0059	1	02/17/21 05:00	02/17/21 13:11	10061-01-5	
trans-1,2-Dichloroethene	<0.0030	mg/kg	0.010	0.0030	1	02/17/21 05:00	02/17/21 13:11	156-60-5	
trans-1,3-Dichloropropene	<0.0022	mg/kg	0.0072	0.0022	1	02/17/21 05:00	02/17/21 13:11	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	96	%	70-130		1	02/17/21 05:00	02/17/21 13:11	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1	02/17/21 05:00	02/17/21 13:11	2037-26-5	
4-Bromofluorobenzene (S)	92	%	63-130		1	02/17/21 05:00	02/17/21 13:11	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	15.0	%	0.10	0.10	1		02/12/21 12:38		
<b>9045 pH Soil</b>									
Analytical Method: EPA 9045									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	10.3	Std. Units	0.100	0.0100	1		02/16/21 08:23		H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-14-2.0-2.5-20210210** Lab ID: **40222095014** Collected: 02/10/21 10:30 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	<b>11900</b>	mg/kg	285	85.5	6.667	02/15/21 05:25	02/18/21 05:46	7429-90-5	
Antimony	<b>0.75</b>	mg/kg	0.72	0.18	6.667	02/15/21 05:25	02/18/21 05:46	7440-36-0	
Arsenic	<b>9.8</b>	mg/kg	0.96	0.29	6.667	02/15/21 05:25	02/18/21 05:46	7440-38-2	
Barium	<b>86.8</b>	mg/kg	0.95	0.29	6.667	02/15/21 05:25	02/18/21 05:46	7440-39-3	
Beryllium	<b>0.64J</b>	mg/kg	0.72	0.15	6.667	02/15/21 05:25	02/18/21 05:46	7440-41-7	D3
Cadmium	<b>0.32J</b>	mg/kg	0.72	0.11	6.667	02/15/21 05:25	02/18/21 05:46	7440-43-9	D3
Calcium	<b>34600</b>	mg/kg	673	201	6.667	02/15/21 05:25	02/16/21 22:01	7440-70-2	
Chromium	<b>17.1</b>	mg/kg	2.2	0.66	6.667	02/15/21 05:25	02/18/21 05:46	7440-47-3	
Cobalt	<b>6.6</b>	mg/kg	0.72	0.20	6.667	02/15/21 05:25	02/18/21 05:46	7440-48-4	
Copper	<b>25.5</b>	mg/kg	1.9	0.58	6.667	02/15/21 05:25	02/18/21 05:46	7440-50-8	
Iron	<b>24300</b>	mg/kg	181	52.8	6.667	02/15/21 05:25	02/18/21 05:46	7439-89-6	
Lead	<b>53.1</b>	mg/kg	0.72	0.20	6.667	02/15/21 05:25	02/18/21 05:46	7439-92-1	
Magnesium	<b>8980</b>	mg/kg	181	49.9	6.667	02/15/21 05:25	02/18/21 05:46	7439-95-4	
Manganese	<b>295</b>	mg/kg	2.0	0.60	6.667	02/15/21 05:25	02/18/21 05:46	7439-96-5	
Nickel	<b>17.4</b>	mg/kg	0.96	0.29	6.667	02/15/21 05:25	02/18/21 05:46	7440-02-0	
Potassium	<b>1730</b>	mg/kg	1120	337	6.667	02/15/21 05:25	02/18/21 05:46	7440-09-7	
Selenium	<b>1.8</b>	mg/kg	0.72	0.20	6.667	02/15/21 05:25	02/18/21 05:46	7782-49-2	
Silver	<b>&lt;0.10</b>	mg/kg	0.36	0.10	6.667	02/15/21 05:25	02/18/21 05:46	7440-22-4	D3
Sodium	<b>723</b>	mg/kg	181	45.6	6.667	02/15/21 05:25	02/18/21 05:46	7440-23-5	
Thallium	<b>0.18J</b>	mg/kg	0.72	0.12	6.667	02/15/21 05:25	02/18/21 05:46	7440-28-0	D3
Vanadium	<b>28.1</b>	mg/kg	0.92	0.28	6.667	02/15/21 05:25	02/18/21 05:46	7440-62-2	
Zinc	<b>92.6</b>	mg/kg	25.2	7.6	6.667	02/15/21 05:25	02/18/21 05:46	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Pace Analytical Services - Green Bay

Mercury	<b>0.091</b>	mg/kg	0.039	0.011	1	02/16/21 11:32	02/17/21 09:46	7439-97-6	
---------	--------------	-------	-------	-------	---	----------------	----------------	-----------	--

### 8270E MSSV FULL LIST MICROWAVE

Analytical Method: EPA 8270E Preparation Method: EPA 3546

Pace Analytical Services - Green Bay

1,2,4-Trichlorobenzene	<b>&lt;0.022</b>	mg/kg	0.074	0.022	1	02/16/21 10:10	02/16/21 16:45	120-82-1	
1,2-Dichlorobenzene	<b>&lt;0.062</b>	mg/kg	0.21	0.062	1	02/16/21 10:10	02/16/21 16:45	95-50-1	
1,3-Dichlorobenzene	<b>&lt;0.027</b>	mg/kg	0.091	0.027	1	02/16/21 10:10	02/16/21 16:45	541-73-1	
1,4-Dichlorobenzene	<b>&lt;0.027</b>	mg/kg	0.091	0.027	1	02/16/21 10:10	02/16/21 16:45	106-46-7	
2,2'-Oxybis(1-chloropropane)	<b>&lt;0.051</b>	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 16:45	108-60-1	
2,4,5-Trichlorophenol	<b>&lt;0.035</b>	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 16:45	95-95-4	
2,4,6-Trichlorophenol	<b>&lt;0.030</b>	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 16:45	88-06-2	
2,4-Dichlorophenol	<b>&lt;0.053</b>	mg/kg	0.18	0.053	1	02/16/21 10:10	02/16/21 16:45	120-83-2	
2,4-Dimethylphenol	<b>&lt;0.039</b>	mg/kg	0.13	0.039	1	02/16/21 10:10	02/16/21 16:45	105-67-9	
2,4-Dinitrophenol	<b>&lt;0.060</b>	mg/kg	0.20	0.060	1	02/16/21 10:10	02/16/21 16:45	51-28-5	
2,4-Dinitrotoluene	<b>&lt;0.028</b>	mg/kg	0.094	0.028	1	02/16/21 10:10	02/16/21 16:45	121-14-2	
2,6-Dinitrotoluene	<b>&lt;0.037</b>	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 16:45	606-20-2	
2-Chloronaphthalene	<b>&lt;0.025</b>	mg/kg	0.084	0.025	1	02/16/21 10:10	02/16/21 16:45	91-58-7	
2-Chlorophenol	<b>&lt;0.049</b>	mg/kg	0.16	0.049	1	02/16/21 10:10	02/16/21 16:45	95-57-8	
2-Methylnaphthalene	<b>0.12J</b>	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 16:45	91-57-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Sample: **SB-14-2.0-2.5-20210210** Lab ID: **40222095014** Collected: 02/10/21 10:30 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
2-Methylphenol(o-Cresol)	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 16:45	95-48-7	
2-Nitroaniline	<0.056	mg/kg	0.19	0.056	1	02/16/21 10:10	02/16/21 16:45	88-74-4	
2-Nitrophenol	<0.062	mg/kg	0.21	0.062	1	02/16/21 10:10	02/16/21 16:45	88-75-5	
3&4-Methylphenol(m&p Cresol)	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 16:45		
3,3'-Dichlorobenzidine	<0.053	mg/kg	0.18	0.053	1	02/16/21 10:10	02/16/21 16:45	91-94-1	
3-Nitroaniline	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 16:45	99-09-2	3q
4,6-Dinitro-2-methylphenol	<0.061	mg/kg	0.20	0.061	1	02/16/21 10:10	02/16/21 16:45	534-52-1	
4-Bromophenylphenyl ether	<0.041	mg/kg	0.14	0.041	1	02/16/21 10:10	02/16/21 16:45	101-55-3	
4-Chloro-3-methylphenol	<0.061	mg/kg	0.20	0.061	1	02/16/21 10:10	02/16/21 16:45	59-50-7	
4-Chloroaniline	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 16:45	106-47-8	3q
4-Chlorophenylphenyl ether	<0.037	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 16:45	7005-72-3	
4-Nitroaniline	<0.082	mg/kg	0.27	0.082	1	02/16/21 10:10	02/16/21 16:45	100-01-6	
4-Nitrophenol	<0.050	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 16:45	100-02-7	
Acenaphthene	<0.070	mg/kg	0.23	0.070	1	02/16/21 10:10	02/16/21 16:45	83-32-9	
Acenaphthylene	<0.070	mg/kg	0.23	0.070	1	02/16/21 10:10	02/16/21 16:45	208-96-8	
Anthracene	0.15	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 16:45	120-12-7	
Benzo(a)anthracene	0.51	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 16:45	56-55-3	
Benzo(a)pyrene	0.40	mg/kg	0.099	0.030	1	02/16/21 10:10	02/16/21 16:45	50-32-8	
Benzo(b)fluoranthene	0.53	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 16:45	205-99-2	
Benzo(g,h,i)perylene	0.23	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 16:45	191-24-2	
Benzo(k)fluoranthene	0.22	mg/kg	0.16	0.047	1	02/16/21 10:10	02/16/21 16:45	207-08-9	
Butylbenzylphthalate	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 16:45	85-68-7	
Carbazole	0.071J	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 16:45	86-74-8	
Chrysene	0.51	mg/kg	0.098	0.029	1	02/16/21 10:10	02/16/21 16:45	218-01-9	
Di-n-butylphthalate	<0.029	mg/kg	0.098	0.029	1	02/16/21 10:10	02/16/21 16:45	84-74-2	
Di-n-octylphthalate	<0.044	mg/kg	0.15	0.044	1	02/16/21 10:10	02/16/21 16:45	117-84-0	
Dibenz(a,h)anthracene	0.077J	mg/kg	0.18	0.053	1	02/16/21 10:10	02/16/21 16:45	53-70-3	
Dibenzofuran	0.058J	mg/kg	0.079	0.024	1	02/16/21 10:10	02/16/21 16:45	132-64-9	
Diethylphthalate	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 16:45	84-66-2	
Dimethylphthalate	<0.026	mg/kg	0.085	0.026	1	02/16/21 10:10	02/16/21 16:45	131-11-3	
Fluoranthene	0.88	mg/kg	0.093	0.028	1	02/16/21 10:10	02/16/21 16:45	206-44-0	
Fluorene	0.064J	mg/kg	0.077	0.023	1	02/16/21 10:10	02/16/21 16:45	86-73-7	
Hexachloro-1,3-butadiene	<0.050	mg/kg	0.17	0.050	1	02/16/21 10:10	02/16/21 16:45	87-68-3	
Hexachlorobenzene	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 16:45	118-74-1	
Hexachlorocyclopentadiene	<0.047	mg/kg	0.16	0.047	1	02/16/21 10:10	02/16/21 16:45	77-47-4	
Hexachloroethane	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 16:45	67-72-1	
Indeno(1,2,3-cd)pyrene	0.30	mg/kg	0.14	0.043	1	02/16/21 10:10	02/16/21 16:45	193-39-5	CH
Isophorone	<0.030	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 16:45	78-59-1	
N-Nitroso-di-n-propylamine	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 16:45	621-64-7	
N-Nitrosodiphenylamine	<0.27	mg/kg	0.89	0.27	1	02/16/21 10:10	02/16/21 16:45	86-30-6	
Naphthalene	0.077J	mg/kg	0.23	0.069	1	02/16/21 10:10	02/16/21 16:45	91-20-3	
Nitrobenzene	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 16:45	98-95-3	
Pentachlorophenol	<0.043	mg/kg	0.14	0.043	1	02/16/21 10:10	02/16/21 16:45	87-86-5	
Phenanthrene	0.65	mg/kg	0.084	0.025	1	02/16/21 10:10	02/16/21 16:45	85-01-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-14-2.0-2.5-20210210**    **Lab ID: 40222095014**    Collected: 02/10/21 10:30    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Phenol	<0.047	mg/kg	0.16	0.047	1	02/16/21 10:10	02/16/21 16:45	108-95-2	4q
Pyrene	0.72	mg/kg	0.15	0.044	1	02/16/21 10:10	02/16/21 16:45	129-00-0	
bis(2-Chloroethoxy)methane	<0.053	mg/kg	0.18	0.053	1	02/16/21 10:10	02/16/21 16:45	111-91-1	
bis(2-Chloroethyl) ether	<0.061	mg/kg	0.20	0.061	1	02/16/21 10:10	02/16/21 16:45	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 16:45	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	65	%	17-110		1	02/16/21 10:10	02/16/21 16:45	4165-60-0	
2-Fluorobiphenyl (S)	68	%	45-103		1	02/16/21 10:10	02/16/21 16:45	321-60-8	
Terphenyl-d14 (S)	68	%	46-100		1	02/16/21 10:10	02/16/21 16:45	1718-51-0	
Phenol-d6 (S)	53	%	11-109		1	02/16/21 10:10	02/16/21 16:45	13127-88-3	
2-Fluorophenol (S)	62	%	10-110		1	02/16/21 10:10	02/16/21 16:45	367-12-4	
2,4,6-Tribromophenol (S)	72	%	10-153		1	02/16/21 10:10	02/16/21 16:45	118-79-6	
<b>8260 MSV 5030/5035 Low Level</b> Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.0046	mg/kg	0.015	0.0046	1	02/17/21 05:00	02/17/21 13:34	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0070	mg/kg	0.023	0.0070	1	02/17/21 05:00	02/17/21 13:34	79-34-5	
1,1,2-Trichloroethane	<0.0044	mg/kg	0.015	0.0044	1	02/17/21 05:00	02/17/21 13:34	79-00-5	
1,1-Dichloroethane	<0.0058	mg/kg	0.019	0.0058	1	02/17/21 05:00	02/17/21 13:34	75-34-3	
1,1-Dichloroethene	<0.0048	mg/kg	0.016	0.0048	1	02/17/21 05:00	02/17/21 13:34	75-35-4	
1,2-Dichloroethane	<0.00057	mg/kg	0.0019	0.00057	1	02/17/21 05:00	02/17/21 13:34	107-06-2	
1,2-Dichloropropane	<0.0037	mg/kg	0.012	0.0037	1	02/17/21 05:00	02/17/21 13:34	78-87-5	
2-Butanone (MEK)	<0.010	mg/kg	0.035	0.010	1	02/17/21 05:00	02/17/21 13:34	78-93-3	
2-Hexanone	<0.016	mg/kg	0.053	0.016	1	02/17/21 05:00	02/17/21 13:34	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0040	mg/kg	0.013	0.0040	1	02/17/21 05:00	02/17/21 13:34	108-10-1	
Acetone	<0.067	mg/kg	0.22	0.067	1	02/17/21 05:00	02/17/21 13:34	67-64-1	
Benzene	<0.0038	mg/kg	0.013	0.0038	1	02/17/21 05:00	02/17/21 13:34	71-43-2	
Bromodichloromethane	<0.0035	mg/kg	0.012	0.0035	1	02/17/21 05:00	02/17/21 13:34	75-27-4	
Bromoform	<0.011	mg/kg	0.038	0.011	1	02/17/21 05:00	02/17/21 13:34	75-25-2	
Bromomethane	<0.0086	mg/kg	0.029	0.0086	1	02/17/21 05:00	02/17/21 13:34	74-83-9	
Carbon disulfide	<0.0047	mg/kg	0.016	0.0047	1	02/17/21 05:00	02/17/21 13:34	75-15-0	
Carbon tetrachloride	<0.0045	mg/kg	0.015	0.0045	1	02/17/21 05:00	02/17/21 13:34	56-23-5	
Chlorobenzene	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 13:34	108-90-7	
Chloroethane	<0.0051	mg/kg	0.017	0.0051	1	02/17/21 05:00	02/17/21 13:34	75-00-3	
Chloroform	<0.0046	mg/kg	0.015	0.0046	1	02/17/21 05:00	02/17/21 13:34	67-66-3	
Chloromethane	<0.0035	mg/kg	0.012	0.0035	1	02/17/21 05:00	02/17/21 13:34	74-87-3	
Dibromochloromethane	<0.0036	mg/kg	0.012	0.0036	1	02/17/21 05:00	02/17/21 13:34	124-48-1	
Ethylbenzene	<0.0049	mg/kg	0.016	0.0049	1	02/17/21 05:00	02/17/21 13:34	100-41-4	
Methyl-tert-butyl ether	<0.0059	mg/kg	0.020	0.0059	1	02/17/21 05:00	02/17/21 13:34	1634-04-4	
Methylene Chloride	<0.0039	mg/kg	0.013	0.0039	1	02/17/21 05:00	02/17/21 13:34	75-09-2	
Styrene	<0.017	mg/kg	0.056	0.017	1	02/17/21 05:00	02/17/21 13:34	100-42-5	
Tetrachloroethene	<0.0070	mg/kg	0.023	0.0070	1	02/17/21 05:00	02/17/21 13:34	127-18-4	
Toluene	<0.0044	mg/kg	0.015	0.0044	1	02/17/21 05:00	02/17/21 13:34	108-88-3	
Trichloroethene	<0.0044	mg/kg	0.015	0.0044	1	02/17/21 05:00	02/17/21 13:34	79-01-6	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-14-2.0-2.5-20210210 Lab ID: 40222095014** Collected: 02/10/21 10:30 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Vinyl chloride	<0.0069	mg/kg	0.023	0.0069	1	02/17/21 05:00	02/17/21 13:34	75-01-4	
Xylene (Total)	<0.012	mg/kg	0.041	0.012	1	02/17/21 05:00	02/17/21 13:34	1330-20-7	
cis-1,2-Dichloroethene	<0.0060	mg/kg	0.020	0.0060	1	02/17/21 05:00	02/17/21 13:34	156-59-2	
cis-1,3-Dichloropropene	<0.0081	mg/kg	0.027	0.0081	1	02/17/21 05:00	02/17/21 13:34	10061-01-5	
trans-1,2-Dichloroethene	<0.0042	mg/kg	0.014	0.0042	1	02/17/21 05:00	02/17/21 13:34	156-60-5	
trans-1,3-Dichloropropene	<0.0030	mg/kg	0.0099	0.0030	1	02/17/21 05:00	02/17/21 13:34	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	99	%	70-130		1	02/17/21 05:00	02/17/21 13:34	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1	02/17/21 05:00	02/17/21 13:34	2037-26-5	
4-Bromofluorobenzene (S)	85	%	63-130		1	02/17/21 05:00	02/17/21 13:34	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	15.2	%	0.10	0.10	1		02/12/21 12:38		
<b>9045 pH Soil</b>									
Analytical Method: EPA 9045									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	8.18	Std. Units	0.100	0.0100	1		02/16/21 08:24		H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-15-1.0-1.5-20210209**    **Lab ID: 40222095015**    Collected: 02/09/21 15:05    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8151A CI Acid Herbicide Solids</b>									
Analytical Method: EPA 8151A    Preparation Method: EPA 8151A									
Pace Analytical Services - Indianapolis									
2,4-D	<43.6	ug/kg	64.6	43.6	1	02/19/21 10:12	02/22/21 16:08	94-75-7	
Dalapon	<48.4	ug/kg	64.6	48.4	1	02/19/21 10:12	02/22/21 16:08	75-99-0	
Dinoseb	<35.4	ug/kg	64.6	35.4	1	02/19/21 10:12	02/22/21 16:08	88-85-7	
Picloram	<47.9	ug/kg	64.6	47.9	1	02/19/21 10:12	02/22/21 16:08	1918-02-1	
2,4,5-TP (Silvex)	<48.3	ug/kg	64.6	48.3	1	02/19/21 10:12	02/22/21 16:08	93-72-1	
<b>Surrogates</b>									
2,4-DCAA (S)	95	%	10-161		1	02/19/21 10:12	02/22/21 16:08	19719-28-9	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	22700	mg/kg	320	95.9	6.667	02/15/21 05:25	02/18/21 06:20	7429-90-5	
Antimony	0.56J	mg/kg	0.81	0.20	6.667	02/15/21 05:25	02/18/21 06:20	7440-36-0	D3
Arsenic	7.6	mg/kg	3.2	0.96	20	02/15/21 05:25	02/18/21 06:06	7440-38-2	
Barium	155	mg/kg	1.1	0.32	6.667	02/15/21 05:25	02/18/21 06:20	7440-39-3	
Beryllium	1.4	mg/kg	0.81	0.17	6.667	02/15/21 05:25	02/18/21 06:20	7440-41-7	
Cadmium	<0.36	mg/kg	2.4	0.36	20	02/15/21 05:25	02/18/21 06:06	7440-43-9	D3
Calcium	2980	mg/kg	755	226	6.667	02/15/21 05:25	02/16/21 22:08	7440-70-2	
Chromium	23.3	mg/kg	2.5	0.74	6.667	02/15/21 05:25	02/18/21 06:20	7440-47-3	
Cobalt	6.9	mg/kg	0.81	0.22	6.667	02/15/21 05:25	02/18/21 06:20	7440-48-4	
Copper	28.3	mg/kg	2.2	0.65	6.667	02/15/21 05:25	02/18/21 06:20	7440-50-8	
Iron	23000	mg/kg	203	59.2	6.667	02/15/21 05:25	02/18/21 06:20	7439-89-6	
Lead	41.5	mg/kg	0.81	0.22	6.667	02/15/21 05:25	02/18/21 06:20	7439-92-1	
Magnesium	3600	mg/kg	203	56.0	6.667	02/15/21 05:25	02/18/21 06:20	7439-95-4	
Manganese	290	mg/kg	2.2	0.67	6.667	02/15/21 05:25	02/18/21 06:20	7439-96-5	
Nickel	15.6	mg/kg	1.1	0.32	6.667	02/15/21 05:25	02/18/21 06:20	7440-02-0	
Potassium	2340	mg/kg	1260	378	6.667	02/15/21 05:25	02/18/21 06:20	7440-09-7	
Selenium	3.1	mg/kg	2.4	0.66	20	02/15/21 05:25	02/18/21 06:06	7782-49-2	
Silver	<0.35	mg/kg	1.2	0.35	20	02/15/21 05:25	02/18/21 06:06	7440-22-4	D3
Sodium	428	mg/kg	203	51.1	6.667	02/15/21 05:25	02/18/21 06:20	7440-23-5	
Thallium	0.27J	mg/kg	0.81	0.14	6.667	02/15/21 05:25	02/18/21 06:20	7440-28-0	D3
Vanadium	45.2	mg/kg	1.0	0.31	6.667	02/15/21 05:25	02/18/21 06:20	7440-62-2	
Zinc	110	mg/kg	28.3	8.5	6.667	02/15/21 05:25	02/18/21 06:20	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.18	mg/kg	0.041	0.012	1	02/16/21 11:32	02/17/21 09:48	7439-97-6	
<b>8270E MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270E    Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<0.024	mg/kg	0.081	0.024	1	02/16/21 10:10	02/16/21 14:18	120-82-1	
1,2-Dichlorobenzene	<0.068	mg/kg	0.23	0.068	1	02/16/21 10:10	02/16/21 14:18	95-50-1	
1,3-Dichlorobenzene	<0.030	mg/kg	0.099	0.030	1	02/16/21 10:10	02/16/21 14:18	541-73-1	
1,4-Dichlorobenzene	<0.030	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 14:18	106-46-7	
2,2'-Oxybis(1-chloropropane)	<0.056	mg/kg	0.19	0.056	1	02/16/21 10:10	02/16/21 14:18	108-60-1	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-15-1.0-1.5-20210209** Lab ID: **40222095015** Collected: 02/09/21 15:05 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
2,4,5-Trichlorophenol	<0.038	mg/kg	0.13	0.038	1	02/16/21 10:10	02/16/21 14:18	95-95-4	
2,4,6-Trichlorophenol	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 14:18	88-06-2	
2,4-Dichlorophenol	<0.058	mg/kg	0.19	0.058	1	02/16/21 10:10	02/16/21 14:18	120-83-2	
2,4-Dimethylphenol	<0.043	mg/kg	0.14	0.043	1	02/16/21 10:10	02/16/21 14:18	105-67-9	
2,4-Dinitrophenol	<0.066	mg/kg	0.22	0.066	1	02/16/21 10:10	02/16/21 14:18	51-28-5	
2,4-Dinitrotoluene	<0.031	mg/kg	0.10	0.031	1	02/16/21 10:10	02/16/21 14:18	121-14-2	
2,6-Dinitrotoluene	<0.041	mg/kg	0.14	0.041	1	02/16/21 10:10	02/16/21 14:18	606-20-2	
2-Chloronaphthalene	<0.028	mg/kg	0.092	0.028	1	02/16/21 10:10	02/16/21 14:18	91-58-7	
2-Chlorophenol	<0.054	mg/kg	0.18	0.054	1	02/16/21 10:10	02/16/21 14:18	95-57-8	
2-Methylnaphthalene	<0.056	mg/kg	0.19	0.056	1	02/16/21 10:10	02/16/21 14:18	91-57-6	
2-Methylphenol(o-Cresol)	<0.039	mg/kg	0.13	0.039	1	02/16/21 10:10	02/16/21 14:18	95-48-7	
2-Nitroaniline	<0.061	mg/kg	0.20	0.061	1	02/16/21 10:10	02/16/21 14:18	88-74-4	
2-Nitrophenol	<0.068	mg/kg	0.23	0.068	1	02/16/21 10:10	02/16/21 14:18	88-75-5	
3&4-Methylphenol(m&p Cresol)	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 14:18		
3,3'-Dichlorobenzidine	<0.058	mg/kg	0.19	0.058	1	02/16/21 10:10	02/16/21 14:18	91-94-1	
3-Nitroaniline	<0.037	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 14:18	99-09-2	3q
4,6-Dinitro-2-methylphenol	<0.066	mg/kg	0.22	0.066	1	02/16/21 10:10	02/16/21 14:18	534-52-1	
4-Bromophenylphenyl ether	<0.045	mg/kg	0.15	0.045	1	02/16/21 10:10	02/16/21 14:18	101-55-3	
4-Chloro-3-methylphenol	<0.067	mg/kg	0.22	0.067	1	02/16/21 10:10	02/16/21 14:18	59-50-7	
4-Chloroaniline	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 14:18	106-47-8	3q
4-Chlorophenylphenyl ether	<0.040	mg/kg	0.13	0.040	1	02/16/21 10:10	02/16/21 14:18	7005-72-3	
4-Nitroaniline	<0.089	mg/kg	0.30	0.089	1	02/16/21 10:10	02/16/21 14:18	100-01-6	
4-Nitrophenol	<0.054	mg/kg	0.18	0.054	1	02/16/21 10:10	02/16/21 14:18	100-02-7	
Acenaphthene	<0.076	mg/kg	0.25	0.076	1	02/16/21 10:10	02/16/21 14:18	83-32-9	
Acenaphthylene	<0.077	mg/kg	0.26	0.077	1	02/16/21 10:10	02/16/21 14:18	208-96-8	
Anthracene	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 14:18	120-12-7	
Benzo(a)anthracene	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 14:18	56-55-3	
Benzo(a)pyrene	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 14:18	50-32-8	
Benzo(b)fluoranthene	<0.037	mg/kg	0.12	0.037	1	02/16/21 10:10	02/16/21 14:18	205-99-2	
Benzo(g,h,i)perylene	<0.056	mg/kg	0.19	0.056	1	02/16/21 10:10	02/16/21 14:18	191-24-2	
Benzo(k)fluoranthene	<0.052	mg/kg	0.17	0.052	1	02/16/21 10:10	02/16/21 14:18	207-08-9	
Butylbenzylphthalate	<0.035	mg/kg	0.12	0.035	1	02/16/21 10:10	02/16/21 14:18	85-68-7	
Carbazole	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 14:18	86-74-8	
Chrysene	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 14:18	218-01-9	
Di-n-butylphthalate	<0.032	mg/kg	0.11	0.032	1	02/16/21 10:10	02/16/21 14:18	84-74-2	
Di-n-octylphthalate	<0.048	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 14:18	117-84-0	
Dibenz(a,h)anthracene	<0.059	mg/kg	0.20	0.059	1	02/16/21 10:10	02/16/21 14:18	53-70-3	
Dibenzofuran	<0.026	mg/kg	0.087	0.026	1	02/16/21 10:10	02/16/21 14:18	132-64-9	
Diethylphthalate	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 14:18	84-66-2	
Dimethylphthalate	<0.028	mg/kg	0.093	0.028	1	02/16/21 10:10	02/16/21 14:18	131-11-3	
Fluoranthene	0.032J	mg/kg	0.10	0.030	1	02/16/21 10:10	02/16/21 14:18	206-44-0	
Fluorene	<0.025	mg/kg	0.084	0.025	1	02/16/21 10:10	02/16/21 14:18	86-73-7	
Hexachloro-1,3-butadiene	<0.055	mg/kg	0.18	0.055	1	02/16/21 10:10	02/16/21 14:18	87-68-3	
Hexachlorobenzene	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 14:18	118-74-1	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

**Sample: SB-15-1.0-1.5-20210209** Lab ID: **40222095015** Collected: 02/09/21 15:05 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Hexachlorocyclopentadiene	<0.051	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 14:18	77-47-4	
Hexachloroethane	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 14:18	67-72-1	
Indeno(1,2,3-cd)pyrene	<0.047	mg/kg	0.16	0.047	1	02/16/21 10:10	02/16/21 14:18	193-39-5	CH
Isophorone	<0.033	mg/kg	0.11	0.033	1	02/16/21 10:10	02/16/21 14:18	78-59-1	
N-Nitroso-di-n-propylamine	<0.034	mg/kg	0.11	0.034	1	02/16/21 10:10	02/16/21 14:18	621-64-7	
N-Nitrosodiphenylamine	<0.29	mg/kg	0.97	0.29	1	02/16/21 10:10	02/16/21 14:18	86-30-6	
Naphthalene	<0.075	mg/kg	0.25	0.075	1	02/16/21 10:10	02/16/21 14:18	91-20-3	
Nitrobenzene	<0.044	mg/kg	0.15	0.044	1	02/16/21 10:10	02/16/21 14:18	98-95-3	
Pentachlorophenol	<0.047	mg/kg	0.16	0.047	1	02/16/21 10:10	02/16/21 14:18	87-86-5	
Phenanthrene	0.045J	mg/kg	0.092	0.028	1	02/16/21 10:10	02/16/21 14:18	85-01-8	
Phenol	<0.051	mg/kg	0.17	0.051	1	02/16/21 10:10	02/16/21 14:18	108-95-2	
Pyrene	<0.048	mg/kg	0.16	0.048	1	02/16/21 10:10	02/16/21 14:18	129-00-0	
bis(2-Chloroethoxy)methane	<0.058	mg/kg	0.19	0.058	1	02/16/21 10:10	02/16/21 14:18	111-91-1	
bis(2-Chloroethyl) ether	<0.067	mg/kg	0.22	0.067	1	02/16/21 10:10	02/16/21 14:18	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.036	mg/kg	0.12	0.036	1	02/16/21 10:10	02/16/21 14:18	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	54	%	17-110		1	02/16/21 10:10	02/16/21 14:18	4165-60-0	
2-Fluorobiphenyl (S)	50	%	45-103		1	02/16/21 10:10	02/16/21 14:18	321-60-8	
Terphenyl-d14 (S)	60	%	46-100		1	02/16/21 10:10	02/16/21 14:18	1718-51-0	
Phenol-d6 (S)	54	%	11-109		1	02/16/21 10:10	02/16/21 14:18	13127-88-3	
2-Fluorophenol (S)	52	%	10-110		1	02/16/21 10:10	02/16/21 14:18	367-12-4	
2,4,6-Tribromophenol (S)	64	%	10-153		1	02/16/21 10:10	02/16/21 14:18	118-79-6	

### 8260 MSV 5030/5035 Low Level

Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030

Pace Analytical Services - Green Bay

1,1,1-Trichloroethane	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 13:57	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0063	mg/kg	0.021	0.0063	1	02/17/21 05:00	02/17/21 13:57	79-34-5	
1,1,2-Trichloroethane	<0.0039	mg/kg	0.013	0.0039	1	02/17/21 05:00	02/17/21 13:57	79-00-5	
1,1-Dichloroethane	<0.0052	mg/kg	0.017	0.0052	1	02/17/21 05:00	02/17/21 13:57	75-34-3	
1,1-Dichloroethene	<0.0044	mg/kg	0.015	0.0044	1	02/17/21 05:00	02/17/21 13:57	75-35-4	
1,2-Dichloroethane	<0.00052	mg/kg	0.0017	0.00052	1	02/17/21 05:00	02/17/21 13:57	107-06-2	
1,2-Dichloropropane	<0.0034	mg/kg	0.011	0.0034	1	02/17/21 05:00	02/17/21 13:57	78-87-5	
2-Butanone (MEK)	<0.0094	mg/kg	0.031	0.0094	1	02/17/21 05:00	02/17/21 13:57	78-93-3	
2-Hexanone	<0.014	mg/kg	0.048	0.014	1	02/17/21 05:00	02/17/21 13:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0036	mg/kg	0.012	0.0036	1	02/17/21 05:00	02/17/21 13:57	108-10-1	
Acetone	<0.060	mg/kg	0.20	0.060	1	02/17/21 05:00	02/17/21 13:57	67-64-1	
Benzene	<0.0035	mg/kg	0.012	0.0035	1	02/17/21 05:00	02/17/21 13:57	71-43-2	
Bromodichloromethane	<0.0031	mg/kg	0.010	0.0031	1	02/17/21 05:00	02/17/21 13:57	75-27-4	
Bromoform	<0.010	mg/kg	0.034	0.010	1	02/17/21 05:00	02/17/21 13:57	75-25-2	
Bromomethane	<0.0077	mg/kg	0.026	0.0077	1	02/17/21 05:00	02/17/21 13:57	74-83-9	
Carbon disulfide	<0.0042	mg/kg	0.014	0.0042	1	02/17/21 05:00	02/17/21 13:57	75-15-0	
Carbon tetrachloride	<0.0040	mg/kg	0.013	0.0040	1	02/17/21 05:00	02/17/21 13:57	56-23-5	
Chlorobenzene	<0.0037	mg/kg	0.012	0.0037	1	02/17/21 05:00	02/17/21 13:57	108-90-7	
Chloroethane	<0.0046	mg/kg	0.015	0.0046	1	02/17/21 05:00	02/17/21 13:57	75-00-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-15-1.0-1.5-20210209**    **Lab ID: 40222095015**    Collected: 02/09/21 15:05    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Chloroform	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 13:57	67-66-3	
Chloromethane	<0.0032	mg/kg	0.011	0.0032	1	02/17/21 05:00	02/17/21 13:57	74-87-3	
Dibromochloromethane	<0.0032	mg/kg	0.011	0.0032	1	02/17/21 05:00	02/17/21 13:57	124-48-1	
Ethylbenzene	<0.0044	mg/kg	0.015	0.0044	1	02/17/21 05:00	02/17/21 13:57	100-41-4	
Methyl-tert-butyl ether	<0.0053	mg/kg	0.018	0.0053	1	02/17/21 05:00	02/17/21 13:57	1634-04-4	
Methylene Chloride	<0.0035	mg/kg	0.012	0.0035	1	02/17/21 05:00	02/17/21 13:57	75-09-2	
Styrene	<0.015	mg/kg	0.051	0.015	1	02/17/21 05:00	02/17/21 13:57	100-42-5	
Tetrachloroethene	<0.0063	mg/kg	0.021	0.0063	1	02/17/21 05:00	02/17/21 13:57	127-18-4	
Toluene	<0.0039	mg/kg	0.013	0.0039	1	02/17/21 05:00	02/17/21 13:57	108-88-3	
Trichloroethene	<0.0039	mg/kg	0.013	0.0039	1	02/17/21 05:00	02/17/21 13:57	79-01-6	
Vinyl chloride	<0.0062	mg/kg	0.021	0.0062	1	02/17/21 05:00	02/17/21 13:57	75-01-4	
Xylene (Total)	<0.011	mg/kg	0.037	0.011	1	02/17/21 05:00	02/17/21 13:57	1330-20-7	
cis-1,2-Dichloroethene	<0.0054	mg/kg	0.018	0.0054	1	02/17/21 05:00	02/17/21 13:57	156-59-2	
cis-1,3-Dichloropropene	<0.0073	mg/kg	0.024	0.0073	1	02/17/21 05:00	02/17/21 13:57	10061-01-5	
trans-1,2-Dichloroethene	<0.0038	mg/kg	0.013	0.0038	1	02/17/21 05:00	02/17/21 13:57	156-60-5	
trans-1,3-Dichloropropene	<0.0027	mg/kg	0.0089	0.0027	1	02/17/21 05:00	02/17/21 13:57	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	98	%	70-130		1	02/17/21 05:00	02/17/21 13:57	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1	02/17/21 05:00	02/17/21 13:57	2037-26-5	
4-Bromofluorobenzene (S)	94	%	63-130		1	02/17/21 05:00	02/17/21 13:57	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	22.6	%	0.10	0.10	1		02/12/21 12:38		
<b>9040 pH</b>									
Analytical Method: EPA 9040									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	7.2	Std. Units	0.10	0.010	1		02/17/21 10:13		1q,H6

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

**Sample: SB-16-8.0-8.5-20210210 Lab ID: 40222095016** Collected: 02/10/21 12:00 Received: 02/12/21 09:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8151A CI Acid Herbicide Solids</b>									
Analytical Method: EPA 8151A Preparation Method: EPA 8151A									
Pace Analytical Services - Indianapolis									
2,4-D	<45.0	ug/kg	66.7	45.0	1	02/19/21 10:12	02/22/21 16:28	94-75-7	
Dalapon	<50.0	ug/kg	66.7	50.0	1	02/19/21 10:12	02/22/21 16:28	75-99-0	
Dinoseb	<36.5	ug/kg	66.7	36.5	1	02/19/21 10:12	02/22/21 16:28	88-85-7	
Picloram	<49.5	ug/kg	66.7	49.5	1	02/19/21 10:12	02/22/21 16:28	1918-02-1	
2,4,5-TP (Silvex)	<49.9	ug/kg	66.7	49.9	1	02/19/21 10:12	02/22/21 16:28	93-72-1	
<b>Surrogates</b>									
2,4-DCAA (S)	62	%	10-161		1	02/19/21 10:12	02/22/21 16:28	19719-28-9	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Aluminum	28700	mg/kg	331	99.2	6.667	02/15/21 05:25	02/18/21 06:27	7429-90-5	
Antimony	0.58J	mg/kg	0.84	0.21	6.667	02/15/21 05:25	02/18/21 06:27	7440-36-0	D3
Arsenic	6.3	mg/kg	3.3	1.0	20	02/15/21 05:25	02/18/21 06:13	7440-38-2	
Barium	272	mg/kg	1.1	0.33	6.667	02/15/21 05:25	02/18/21 06:27	7440-39-3	
Beryllium	4.4	mg/kg	0.84	0.17	6.667	02/15/21 05:25	02/18/21 06:27	7440-41-7	
Cadmium	<0.37	mg/kg	2.5	0.37	20	02/15/21 05:25	02/18/21 06:13	7440-43-9	D3
Calcium	91900	mg/kg	781	234	6.667	02/15/21 05:25	02/16/21 22:14	7440-70-2	
Chromium	14.9	mg/kg	2.6	0.77	6.667	02/15/21 05:25	02/18/21 06:27	7440-47-3	
Cobalt	5.6	mg/kg	0.84	0.23	6.667	02/15/21 05:25	02/18/21 06:27	7440-48-4	
Copper	18.7	mg/kg	2.3	0.68	6.667	02/15/21 05:25	02/18/21 06:27	7440-50-8	
Iron	20300	mg/kg	210	61.3	6.667	02/15/21 05:25	02/18/21 06:27	7439-89-6	
Lead	37.1	mg/kg	0.84	0.23	6.667	02/15/21 05:25	02/18/21 06:27	7439-92-1	
Magnesium	21500	mg/kg	210	57.9	6.667	02/15/21 05:25	02/18/21 06:27	7439-95-4	
Manganese	2700	mg/kg	2.3	0.69	6.667	02/15/21 05:25	02/18/21 06:27	7439-96-5	
Nickel	13.3	mg/kg	1.1	0.33	6.667	02/15/21 05:25	02/18/21 06:27	7440-02-0	
Potassium	2700	mg/kg	1300	391	6.667	02/15/21 05:25	02/18/21 06:27	7440-09-7	
Selenium	5.5	mg/kg	2.5	0.69	20	02/15/21 05:25	02/18/21 06:13	7782-49-2	
Silver	<0.36	mg/kg	1.3	0.36	20	02/15/21 05:25	02/18/21 06:13	7440-22-4	D3
Sodium	1190	mg/kg	210	52.9	6.667	02/15/21 05:25	02/18/21 06:27	7440-23-5	
Thallium	0.32J	mg/kg	0.84	0.14	6.667	02/15/21 05:25	02/18/21 06:27	7440-28-0	D3
Vanadium	27.4	mg/kg	1.1	0.32	6.667	02/15/21 05:25	02/18/21 06:27	7440-62-2	
Zinc	66.1	mg/kg	29.3	8.8	6.667	02/15/21 05:25	02/18/21 06:27	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.038J	mg/kg	0.045	0.013	1	02/16/21 11:32	02/17/21 09:50	7439-97-6	
<b>8270E MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<0.051	mg/kg	0.17	0.051	2	02/16/21 10:10	02/16/21 15:00	120-82-1	
1,2-Dichlorobenzene	<0.14	mg/kg	0.47	0.14	2	02/16/21 10:10	02/16/21 15:00	95-50-1	
1,3-Dichlorobenzene	<0.062	mg/kg	0.21	0.062	2	02/16/21 10:10	02/16/21 15:00	541-73-1	
1,4-Dichlorobenzene	<0.063	mg/kg	0.21	0.063	2	02/16/21 10:10	02/16/21 15:00	106-46-7	
2,2'-Oxybis(1-chloropropane)	<0.12	mg/kg	0.39	0.12	2	02/16/21 10:10	02/16/21 15:00	108-60-1	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Sample: **SB-16-8.0-8.5-20210210** Lab ID: **40222095016** Collected: 02/10/21 12:00 Received: 02/12/21 09:30 Matrix: Solid

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
2,4,5-Trichlorophenol	<0.080	mg/kg	0.27	0.080	2	02/16/21 10:10	02/16/21 15:00	95-95-4	
2,4,6-Trichlorophenol	<0.069	mg/kg	0.23	0.069	2	02/16/21 10:10	02/16/21 15:00	88-06-2	
2,4-Dichlorophenol	<0.12	mg/kg	0.40	0.12	2	02/16/21 10:10	02/16/21 15:00	120-83-2	
2,4-Dimethylphenol	<0.089	mg/kg	0.30	0.089	2	02/16/21 10:10	02/16/21 15:00	105-67-9	
2,4-Dinitrophenol	<0.14	mg/kg	0.46	0.14	2	02/16/21 10:10	02/16/21 15:00	51-28-5	
2,4-Dinitrotoluene	<0.064	mg/kg	0.21	0.064	2	02/16/21 10:10	02/16/21 15:00	121-14-2	
2,6-Dinitrotoluene	<0.086	mg/kg	0.29	0.086	2	02/16/21 10:10	02/16/21 15:00	606-20-2	
2-Chloronaphthalene	<0.058	mg/kg	0.19	0.058	2	02/16/21 10:10	02/16/21 15:00	91-58-7	
2-Chlorophenol	<0.11	mg/kg	0.38	0.11	2	02/16/21 10:10	02/16/21 15:00	95-57-8	
2-Methylnaphthalene	0.18J	mg/kg	0.39	0.12	2	02/16/21 10:10	02/16/21 15:00	91-57-6	
2-Methylphenol(o-Cresol)	<0.082	mg/kg	0.27	0.082	2	02/16/21 10:10	02/16/21 15:00	95-48-7	
2-Nitroaniline	<0.13	mg/kg	0.43	0.13	2	02/16/21 10:10	02/16/21 15:00	88-74-4	
2-Nitrophenol	<0.14	mg/kg	0.47	0.14	2	02/16/21 10:10	02/16/21 15:00	88-75-5	
3&4-Methylphenol(m&p Cresol)	<0.083	mg/kg	0.28	0.083	2	02/16/21 10:10	02/16/21 15:00		
3,3'-Dichlorobenzidine	<0.12	mg/kg	0.41	0.12	2	02/16/21 10:10	02/16/21 15:00	91-94-1	
3-Nitroaniline	<0.077	mg/kg	0.26	0.077	2	02/16/21 10:10	02/16/21 15:00	99-09-2	3q
4,6-Dinitro-2-methylphenol	<0.14	mg/kg	0.46	0.14	2	02/16/21 10:10	02/16/21 15:00	534-52-1	
4-Bromophenylphenyl ether	<0.094	mg/kg	0.31	0.094	2	02/16/21 10:10	02/16/21 15:00	101-55-3	
4-Chloro-3-methylphenol	<0.14	mg/kg	0.47	0.14	2	02/16/21 10:10	02/16/21 15:00	59-50-7	
4-Chloroaniline	<0.074	mg/kg	0.25	0.074	2	02/16/21 10:10	02/16/21 15:00	106-47-8	3q
4-Chlorophenylphenyl ether	<0.084	mg/kg	0.28	0.084	2	02/16/21 10:10	02/16/21 15:00	7005-72-3	
4-Nitroaniline	<0.19	mg/kg	0.62	0.19	2	02/16/21 10:10	02/16/21 15:00	100-01-6	
4-Nitrophenol	<0.11	mg/kg	0.38	0.11	2	02/16/21 10:10	02/16/21 15:00	100-02-7	
Acenaphthene	<0.16	mg/kg	0.53	0.16	2	02/16/21 10:10	02/16/21 15:00	83-32-9	
Acenaphthylene	<0.16	mg/kg	0.54	0.16	2	02/16/21 10:10	02/16/21 15:00	208-96-8	
Anthracene	<0.072	mg/kg	0.24	0.072	2	02/16/21 10:10	02/16/21 15:00	120-12-7	
Benzo(a)anthracene	<0.070	mg/kg	0.23	0.070	2	02/16/21 10:10	02/16/21 15:00	56-55-3	
Benzo(a)pyrene	<0.068	mg/kg	0.23	0.068	2	02/16/21 10:10	02/16/21 15:00	50-32-8	
Benzo(b)fluoranthene	<0.077	mg/kg	0.26	0.077	2	02/16/21 10:10	02/16/21 15:00	205-99-2	
Benzo(g,h,i)perylene	<0.12	mg/kg	0.39	0.12	2	02/16/21 10:10	02/16/21 15:00	191-24-2	
Benzo(k)fluoranthene	<0.11	mg/kg	0.36	0.11	2	02/16/21 10:10	02/16/21 15:00	207-08-9	
Butylbenzylphthalate	<0.072	mg/kg	0.24	0.072	2	02/16/21 10:10	02/16/21 15:00	85-68-7	
Carbazole	<0.071	mg/kg	0.24	0.071	2	02/16/21 10:10	02/16/21 15:00	86-74-8	
Chrysene	<0.067	mg/kg	0.22	0.067	2	02/16/21 10:10	02/16/21 15:00	218-01-9	
Di-n-butylphthalate	<0.067	mg/kg	0.22	0.067	2	02/16/21 10:10	02/16/21 15:00	84-74-2	
Di-n-octylphthalate	<0.10	mg/kg	0.34	0.10	2	02/16/21 10:10	02/16/21 15:00	117-84-0	
Dibenz(a,h)anthracene	<0.12	mg/kg	0.41	0.12	2	02/16/21 10:10	02/16/21 15:00	53-70-3	
Dibenzofuran	<0.055	mg/kg	0.18	0.055	2	02/16/21 10:10	02/16/21 15:00	132-64-9	
Diethylphthalate	<0.075	mg/kg	0.25	0.075	2	02/16/21 10:10	02/16/21 15:00	84-66-2	
Dimethylphthalate	<0.059	mg/kg	0.20	0.059	2	02/16/21 10:10	02/16/21 15:00	131-11-3	
Fluoranthene	0.075J	mg/kg	0.21	0.064	2	02/16/21 10:10	02/16/21 15:00	206-44-0	
Fluorene	<0.053	mg/kg	0.18	0.053	2	02/16/21 10:10	02/16/21 15:00	86-73-7	
Hexachloro-1,3-butadiene	<0.11	mg/kg	0.38	0.11	2	02/16/21 10:10	02/16/21 15:00	87-68-3	
Hexachlorobenzene	<0.076	mg/kg	0.25	0.076	2	02/16/21 10:10	02/16/21 15:00	118-74-1	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Sample: **SB-16-8.0-8.5-20210210** Lab ID: **40222095016** Collected: 02/10/21 12:00 Received: 02/12/21 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Hexachlorocyclopentadiene	<0.11	mg/kg	0.36	0.11	2	02/16/21 10:10	02/16/21 15:00	77-47-4	
Hexachloroethane	<0.072	mg/kg	0.24	0.072	2	02/16/21 10:10	02/16/21 15:00	67-72-1	
Indeno(1,2,3-cd)pyrene	<0.098	mg/kg	0.33	0.098	2	02/16/21 10:10	02/16/21 15:00	193-39-5	CH
Isophorone	<0.069	mg/kg	0.23	0.069	2	02/16/21 10:10	02/16/21 15:00	78-59-1	
N-Nitroso-di-n-propylamine	<0.072	mg/kg	0.24	0.072	2	02/16/21 10:10	02/16/21 15:00	621-64-7	
N-Nitrosodiphenylamine	<0.61	mg/kg	2.0	0.61	2	02/16/21 10:10	02/16/21 15:00	86-30-6	
Naphthalene	0.16J	mg/kg	0.53	0.16	2	02/16/21 10:10	02/16/21 15:00	91-20-3	
Nitrobenzene	<0.091	mg/kg	0.30	0.091	2	02/16/21 10:10	02/16/21 15:00	98-95-3	
Pentachlorophenol	<0.099	mg/kg	0.33	0.099	2	02/16/21 10:10	02/16/21 15:00	87-86-5	
Phenanthrene	0.14J	mg/kg	0.19	0.058	2	02/16/21 10:10	02/16/21 15:00	85-01-8	
Phenol	<0.11	mg/kg	0.36	0.11	2	02/16/21 10:10	02/16/21 15:00	108-95-2	D3
Pyrene	<0.10	mg/kg	0.33	0.10	2	02/16/21 10:10	02/16/21 15:00	129-00-0	
bis(2-Chloroethoxy)methane	<0.12	mg/kg	0.40	0.12	2	02/16/21 10:10	02/16/21 15:00	111-91-1	
bis(2-Chloroethyl) ether	<0.14	mg/kg	0.47	0.14	2	02/16/21 10:10	02/16/21 15:00	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.075	mg/kg	0.25	0.075	2	02/16/21 10:10	02/16/21 15:00	117-81-7	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	43	%	17-110		2	02/16/21 10:10	02/16/21 15:00	4165-60-0	
2-Fluorobiphenyl (S)	42	%	45-103		2	02/16/21 10:10	02/16/21 15:00	321-60-8	S0
Terphenyl-d14 (S)	44	%	46-100		2	02/16/21 10:10	02/16/21 15:00	1718-51-0	S0
Phenol-d6 (S)	27	%	11-109		2	02/16/21 10:10	02/16/21 15:00	13127-88-3	
2-Fluorophenol (S)	30	%	10-110		2	02/16/21 10:10	02/16/21 15:00	367-12-4	
2,4,6-Tribromophenol (S)	48	%	10-153		2	02/16/21 10:10	02/16/21 15:00	118-79-6	
<b>8260 MSV 5030/5035 Low Level</b> Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.0064	mg/kg	0.021	0.0064	1	02/17/21 05:00	02/17/21 14:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.0098	mg/kg	0.033	0.0098	1	02/17/21 05:00	02/17/21 14:20	79-34-5	
1,1,2-Trichloroethane	<0.0061	mg/kg	0.020	0.0061	1	02/17/21 05:00	02/17/21 14:20	79-00-5	
1,1-Dichloroethane	<0.0081	mg/kg	0.027	0.0081	1	02/17/21 05:00	02/17/21 14:20	75-34-3	
1,1-Dichloroethene	<0.0067	mg/kg	0.022	0.0067	1	02/17/21 05:00	02/17/21 14:20	75-35-4	
1,2-Dichloroethane	<0.00080	mg/kg	0.0026	0.00080	1	02/17/21 05:00	02/17/21 14:20	107-06-2	
1,2-Dichloropropane	<0.0052	mg/kg	0.017	0.0052	1	02/17/21 05:00	02/17/21 14:20	78-87-5	
2-Butanone (MEK)	<0.014	mg/kg	0.048	0.014	1	02/17/21 05:00	02/17/21 14:20	78-93-3	
2-Hexanone	<0.022	mg/kg	0.074	0.022	1	02/17/21 05:00	02/17/21 14:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	<0.0056	mg/kg	0.019	0.0056	1	02/17/21 05:00	02/17/21 14:20	108-10-1	
Acetone	<0.093	mg/kg	0.31	0.093	1	02/17/21 05:00	02/17/21 14:20	67-64-1	
Benzene	<0.0053	mg/kg	0.018	0.0053	1	02/17/21 05:00	02/17/21 14:20	71-43-2	
Bromodichloromethane	<0.0048	mg/kg	0.016	0.0048	1	02/17/21 05:00	02/17/21 14:20	75-27-4	
Bromoform	<0.016	mg/kg	0.053	0.016	1	02/17/21 05:00	02/17/21 14:20	75-25-2	
Bromomethane	<0.012	mg/kg	0.040	0.012	1	02/17/21 05:00	02/17/21 14:20	74-83-9	
Carbon disulfide	0.016J	mg/kg	0.022	0.0065	1	02/17/21 05:00	02/17/21 14:20	75-15-0	
Carbon tetrachloride	<0.0062	mg/kg	0.021	0.0062	1	02/17/21 05:00	02/17/21 14:20	56-23-5	
Chlorobenzene	<0.0058	mg/kg	0.019	0.0058	1	02/17/21 05:00	02/17/21 14:20	108-90-7	
Chloroethane	<0.0071	mg/kg	0.024	0.0071	1	02/17/21 05:00	02/17/21 14:20	75-00-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

**Sample: SB-16-8.0-8.5-20210210**    **Lab ID: 40222095016**    Collected: 02/10/21 12:00    Received: 02/12/21 09:30    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030/5035 Low Level</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030									
Pace Analytical Services - Green Bay									
Chloroform	<0.0064	mg/kg	0.021	0.0064	1	02/17/21 05:00	02/17/21 14:20	67-66-3	
Chloromethane	<0.0049	mg/kg	0.016	0.0049	1	02/17/21 05:00	02/17/21 14:20	74-87-3	
Dibromochloromethane	<0.0050	mg/kg	0.017	0.0050	1	02/17/21 05:00	02/17/21 14:20	124-48-1	
Ethylbenzene	<0.0068	mg/kg	0.023	0.0068	1	02/17/21 05:00	02/17/21 14:20	100-41-4	
Methyl-tert-butyl ether	<0.0081	mg/kg	0.027	0.0081	1	02/17/21 05:00	02/17/21 14:20	1634-04-4	
Methylene Chloride	<0.0055	mg/kg	0.018	0.0055	1	02/17/21 05:00	02/17/21 14:20	75-09-2	
Styrene	<0.023	mg/kg	0.078	0.023	1	02/17/21 05:00	02/17/21 14:20	100-42-5	
Tetrachloroethene	<0.0096	mg/kg	0.032	0.0096	1	02/17/21 05:00	02/17/21 14:20	127-18-4	
Toluene	<0.0060	mg/kg	0.020	0.0060	1	02/17/21 05:00	02/17/21 14:20	108-88-3	
Trichloroethene	<0.0060	mg/kg	0.020	0.0060	1	02/17/21 05:00	02/17/21 14:20	79-01-6	
Vinyl chloride	<0.0096	mg/kg	0.032	0.0096	1	02/17/21 05:00	02/17/21 14:20	75-01-4	
Xylene (Total)	<0.017	mg/kg	0.057	0.017	1	02/17/21 05:00	02/17/21 14:20	1330-20-7	
cis-1,2-Dichloroethene	<0.0083	mg/kg	0.028	0.0083	1	02/17/21 05:00	02/17/21 14:20	156-59-2	
cis-1,3-Dichloropropene	<0.011	mg/kg	0.037	0.011	1	02/17/21 05:00	02/17/21 14:20	10061-01-5	
trans-1,2-Dichloroethene	<0.0058	mg/kg	0.019	0.0058	1	02/17/21 05:00	02/17/21 14:20	156-60-5	
trans-1,3-Dichloropropene	<0.0041	mg/kg	0.014	0.0041	1	02/17/21 05:00	02/17/21 14:20	10061-02-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	95	%	70-130		1	02/17/21 05:00	02/17/21 14:20	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1	02/17/21 05:00	02/17/21 14:20	2037-26-5	
4-Bromofluorobenzene (S)	87	%	63-130		1	02/17/21 05:00	02/17/21 14:20	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	25.8	%	0.10	0.10	1		02/12/21 12:38		
<b>9040 pH</b>									
Analytical Method: EPA 9040									
Pace Analytical Services - Green Bay									
pH at 25 Degrees C	7.2	Std. Units	0.10	0.010	1		02/17/21 10:15		1q,H6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

QC Batch:	377823	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40222095001, 40222095002, 40222095003, 40222095004, 40222095005, 40222095006, 40222095007, 40222095008, 40222095009, 40222095010, 40222095011, 40222095012, 40222095013, 40222095014, 40222095015, 40222095016

METHOD BLANK: 2180603 Matrix: Solid  
Associated Lab Samples: 40222095001, 40222095002, 40222095003, 40222095004, 40222095005, 40222095006, 40222095007, 40222095008, 40222095009, 40222095010, 40222095011, 40222095012, 40222095013, 40222095014, 40222095015, 40222095016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	0.010	02/17/21 09:02	

LABORATORY CONTROL SAMPLE: 2180604

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.85	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2180605 2180606

Parameter	Units	40222095001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.12	1.2	1.2	1.3	2.1	104	168	85-115	45	20	M0,R1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

QC Batch:	377717	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3050	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40222095001, 40222095002, 40222095003, 40222095004, 40222095005, 40222095006, 40222095007, 40222095008, 40222095009, 40222095010, 40222095011, 40222095012, 40222095013, 40222095014, 40222095015, 40222095016

METHOD BLANK: 2180212 Matrix: Solid  
Associated Lab Samples: 40222095001, 40222095002, 40222095003, 40222095004, 40222095005, 40222095006, 40222095007, 40222095008, 40222095009, 40222095010, 40222095011, 40222095012, 40222095013, 40222095014, 40222095015, 40222095016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	mg/kg	<11.8	39.4	11.8	02/18/21 03:25	
Antimony	mg/kg	<0.025	0.10	0.025	02/18/21 03:25	
Arsenic	mg/kg	<0.040	0.13	0.040	02/18/21 03:25	
Barium	mg/kg	<0.039	0.13	0.039	02/18/21 03:25	
Beryllium	mg/kg	<0.021	0.10	0.021	02/18/21 03:25	
Cadmium	mg/kg	<0.015	0.10	0.015	02/18/21 03:25	
Calcium	mg/kg	<27.8	93.0	27.8	02/16/21 19:27	
Chromium	mg/kg	<0.091	0.30	0.091	02/18/21 03:25	
Cobalt	mg/kg	<0.027	0.10	0.027	02/18/21 03:25	
Copper	mg/kg	<0.080	0.27	0.080	02/18/21 03:25	
Iron	mg/kg	<7.3	25.0	7.3	02/18/21 03:25	
Lead	mg/kg	<0.027	0.10	0.027	02/18/21 03:25	
Magnesium	mg/kg	<6.9	25.0	6.9	02/18/21 03:25	
Manganese	mg/kg	<0.083	0.28	0.083	02/18/21 03:25	
Nickel	mg/kg	<0.040	0.13	0.040	02/18/21 03:25	
Potassium	mg/kg	<46.5	155	46.5	02/18/21 03:25	
Selenium	mg/kg	<0.027	0.10	0.027	02/18/21 03:25	
Silver	mg/kg	<0.014	0.050	0.014	02/18/21 03:25	
Sodium	mg/kg	<6.3	25.0	6.3	02/18/21 03:25	
Thallium	mg/kg	<0.017	0.10	0.017	02/18/21 03:25	
Vanadium	mg/kg	<0.038	0.13	0.038	02/18/21 03:25	
Zinc	mg/kg	<1.0	3.5	1.0	02/18/21 03:25	

LABORATORY CONTROL SAMPLE: 2180213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	512	102	80-120	
Antimony	mg/kg	50	53.3	107	80-120	
Arsenic	mg/kg	50	50.8	102	80-120	
Barium	mg/kg	50	49.7	99	80-120	
Beryllium	mg/kg	50	49.3	99	80-120	
Cadmium	mg/kg	50	53.1	106	80-120	
Calcium	mg/kg	500	534	107	80-120	
Chromium	mg/kg	50	50.3	101	80-120	
Cobalt	mg/kg	50	49.9	100	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

LABORATORY CONTROL SAMPLE: 2180213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	mg/kg	50	51.2	102	80-120	
Iron	mg/kg	500	512	102	80-120	
Lead	mg/kg	50	49.6	99	80-120	
Magnesium	mg/kg	500	511	102	80-120	
Manganese	mg/kg	50	48.8	98	80-120	
Nickel	mg/kg	50	50.6	101	80-120	
Potassium	mg/kg	500	492	98	80-120	
Selenium	mg/kg	50	52.1	104	80-120	
Silver	mg/kg	25	25.9	104	80-120	
Sodium	mg/kg	500	493	99	80-120	
Thallium	mg/kg	50	50.1	100	80-120	
Vanadium	mg/kg	50	50.3	101	80-120	
Zinc	mg/kg	50	51.1	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2180214 2180215

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		40222095001 Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Aluminum	mg/kg	23300	714	716	32000	32300	1220	1260	75-125	1	20	P6	
Antimony	mg/kg	<0.24	71.4	71.6	35.7	37.4	50	52	75-125	5	20	M0	
Arsenic	mg/kg	4.0	71.4	71.6	67.3	74.9	89	99	75-125	11	20		
Barium	mg/kg	170	71.4	71.6	247	226	108	78	75-125	9	20		
Beryllium	mg/kg	0.87J	71.4	71.6	69.1	69.0	96	95	75-125	0	20		
Cadmium	mg/kg	<0.42	71.4	71.6	65.7	71.6	92	100	75-125	9	20		
Calcium	mg/kg	9710	714	716	10700	10600	145	131	75-125	1	20	P6	
Chromium	mg/kg	25.6	71.4	71.6	101	101	106	105	75-125	1	20		
Cobalt	mg/kg	5.7	71.4	71.6	73.5	75.3	95	97	75-125	2	20		
Copper	mg/kg	24.7	71.4	71.6	96.6	98.4	101	103	75-125	2	20		
Iron	mg/kg	19600	714	716	21500	22600	271	427	75-125	5	20	P6	
Lead	mg/kg	17.1	71.4	71.6	93.7	98.5	107	114	75-125	5	20		
Magnesium	mg/kg	4890	714	716	6150	6090	177	168	75-125	1	20	P6	
Manganese	mg/kg	132	71.4	71.6	186	344	76	296	75-125	59	20	M0,R1	
Nickel	mg/kg	21.4	71.4	71.6	94.2	94.1	102	102	75-125	0	20		
Potassium	mg/kg	2400	714	716	3980	4040	222	230	75-125	2	20	M0	
Selenium	mg/kg	1.8J	71.4	71.6	67.3	73.5	92	100	75-125	9	20		
Silver	mg/kg	<0.41	35.7	35.8	31.1	34.4	87	96	75-125	10	20		
Sodium	mg/kg	665	714	716	1370	1380	99	100	75-125	0	20		
Thallium	mg/kg	0.63J	71.4	71.6	71.8	72.1	100	100	75-125	0	20		
Vanadium	mg/kg	43.0	71.4	71.6	126	127	116	117	75-125	1	20		
Zinc	mg/kg	81.6	71.4	71.6	166	166	118	118	75-125	0	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON  
 Pace Project No.: 40222095

QC Batch: 377922 Analysis Method: EPA 8260  
 QC Batch Method: EPA 5035/5030 Analysis Description: 8260 MSV Low  
 Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40222095001, 40222095002

METHOD BLANK: 2180870 Matrix: Solid

Associated Lab Samples: 40222095001, 40222095002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	mg/kg	<0.0032	0.011	0.0032	02/16/21 08:55	
1,1,2,2-Tetrachloroethane	mg/kg	<0.0050	0.017	0.0050	02/16/21 08:55	
1,1,2-Trichloroethane	mg/kg	<0.0031	0.010	0.0031	02/16/21 08:55	
1,1-Dichloroethane	mg/kg	<0.0041	0.014	0.0041	02/16/21 08:55	
1,1-Dichloroethene	mg/kg	<0.0034	0.011	0.0034	02/16/21 08:55	
1,2-Dichloroethane	mg/kg	<0.00041	0.0014	0.00041	02/16/21 08:55	
1,2-Dichloropropane	mg/kg	<0.0026	0.0088	0.0026	02/16/21 08:55	
2-Butanone (MEK)	mg/kg	<0.0074	0.025	0.0074	02/16/21 08:55	
2-Hexanone	mg/kg	<0.011	0.038	0.011	02/16/21 08:55	
4-Methyl-2-pentanone (MIBK)	mg/kg	<0.0029	0.0095	0.0029	02/16/21 08:55	
Acetone	mg/kg	<0.047	0.16	0.047	02/16/21 08:55	
Benzene	mg/kg	<0.0027	0.0090	0.0027	02/16/21 08:55	
Bromodichloromethane	mg/kg	<0.0025	0.0082	0.0025	02/16/21 08:55	
Bromoform	mg/kg	<0.0081	0.027	0.0081	02/16/21 08:55	
Bromomethane	mg/kg	<0.0060	0.020	0.0060	02/16/21 08:55	
Carbon disulfide	mg/kg	<0.0033	0.011	0.0033	02/16/21 08:55	
Carbon tetrachloride	mg/kg	<0.0032	0.011	0.0032	02/16/21 08:55	
Chlorobenzene	mg/kg	<0.0029	0.0098	0.0029	02/16/21 08:55	
Chloroethane	mg/kg	<0.0036	0.012	0.0036	02/16/21 08:55	
Chloroform	mg/kg	<0.0033	0.011	0.0033	02/16/21 08:55	
Chloromethane	mg/kg	<0.0025	0.0083	0.0025	02/16/21 08:55	
cis-1,2-Dichloroethene	mg/kg	<0.0043	0.014	0.0043	02/16/21 08:55	
cis-1,3-Dichloropropene	mg/kg	<0.0057	0.019	0.0057	02/16/21 08:55	
Dibromochloromethane	mg/kg	<0.0026	0.0085	0.0026	02/16/21 08:55	
Ethylbenzene	mg/kg	<0.0035	0.012	0.0035	02/16/21 08:55	
Methyl-tert-butyl ether	mg/kg	<0.0042	0.014	0.0042	02/16/21 08:55	
Methylene Chloride	mg/kg	<0.0028	0.0093	0.0028	02/16/21 08:55	
Styrene	mg/kg	<0.012	0.040	0.012	02/16/21 08:55	
Tetrachloroethene	mg/kg	<0.0049	0.016	0.0049	02/16/21 08:55	
Toluene	mg/kg	<0.0031	0.010	0.0031	02/16/21 08:55	
trans-1,2-Dichloroethene	mg/kg	<0.0030	0.0099	0.0030	02/16/21 08:55	
trans-1,3-Dichloropropene	mg/kg	<0.0021	0.0070	0.0021	02/16/21 08:55	
Trichloroethene	mg/kg	<0.0031	0.010	0.0031	02/16/21 08:55	
Vinyl chloride	mg/kg	<0.0049	0.016	0.0049	02/16/21 08:55	
Xylene (Total)	mg/kg	<0.0087	0.029	0.0087	02/16/21 08:55	
4-Bromofluorobenzene (S)	%	90	63-130		02/16/21 08:55	
Dibromofluoromethane (S)	%	91	70-130		02/16/21 08:55	
Toluene-d8 (S)	%	93	70-130		02/16/21 08:55	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
 without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Parameter	Units	2180871		2180872			% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
1,1,1-Trichloroethane	mg/kg	0.05	0.045	0.048	89	96	65-130	7	22	
1,1,2,2-Tetrachloroethane	mg/kg	0.05	0.052	0.050	103	100	69-130	4	20	
1,1,2-Trichloroethane	mg/kg	0.05	0.043	0.045	87	89	70-130	3	20	
1,1-Dichloroethane	mg/kg	0.05	0.046	0.049	91	98	70-132	7	21	
1,1-Dichloroethene	mg/kg	0.05	0.041	0.043	81	85	59-130	5	23	
1,2-Dichloroethane	mg/kg	0.05	0.043	0.047	85	94	70-135	10	20	
1,2-Dichloropropane	mg/kg	0.05	0.039	0.045	78	89	73-118	14	21	
Benzene	mg/kg	0.05	0.045	0.046	89	92	71-131	3	21	
Bromodichloromethane	mg/kg	0.05	0.048	0.048	95	95	69-130	0	20	
Bromoform	mg/kg	0.05	0.040	0.042	81	84	66-129	4	21	
Bromomethane	mg/kg	0.05	0.049	0.052	97	105	53-118	7	28	
Carbon disulfide	mg/kg	0.05	0.043	0.044	85	89	59-121	4	20	
Carbon tetrachloride	mg/kg	0.05	0.044	0.049	89	99	56-132	10	22	
Chlorobenzene	mg/kg	0.05	0.044	0.044	88	87	70-130	1	21	
Chloroethane	mg/kg	0.05	0.049	0.053	98	106	56-147	9	24	
Chloroform	mg/kg	0.05	0.045	0.047	90	95	68-122	5	21	
Chloromethane	mg/kg	0.05	0.040	0.042	80	84	28-124	6	26	
cis-1,2-Dichloroethene	mg/kg	0.05	0.041	0.044	81	87	70-130	7	22	
cis-1,3-Dichloropropene	mg/kg	0.05	0.044	0.046	88	91	70-130	4	20	
Dibromochloromethane	mg/kg	0.05	0.044	0.044	87	87	70-130	0	20	
Ethylbenzene	mg/kg	0.05	0.044	0.043	89	86	80-120	4	20	
Methyl-tert-butyl ether	mg/kg	0.05	0.040	0.043	80	85	66-130	6	22	
Methylene Chloride	mg/kg	0.05	0.045	0.047	91	94	70-130	3	20	
Styrene	mg/kg	0.05	0.043	0.041	86	82	70-130	4	20	
Tetrachloroethene	mg/kg	0.05	0.044	0.042	88	84	69-130	4	21	
Toluene	mg/kg	0.05	0.044	0.044	87	87	79-120	0	20	
trans-1,2-Dichloroethene	mg/kg	0.05	0.045	0.047	91	94	70-130	4	21	
trans-1,3-Dichloropropene	mg/kg	0.05	0.041	0.043	81	85	70-130	5	20	
Trichloroethene	mg/kg	0.05	0.043	0.048	86	96	70-130	11	22	
Vinyl chloride	mg/kg	0.05	0.047	0.049	94	98	38-123	4	23	
Xylene (Total)	mg/kg	0.15	0.13	0.13	87	84	70-130	4	20	
4-Bromofluorobenzene (S)	%				99	95	63-130			
Dibromofluoromethane (S)	%				99	103	70-130			
Toluene-d8 (S)	%				94	97	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

QC Batch: 377998 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030 Analysis Description: 8260 MSV Low  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40222095003, 40222095005, 40222095006, 40222095007, 40222095008, 40222095009, 40222095010, 40222095011, 40222095012, 40222095013, 40222095014, 40222095015, 40222095016

METHOD BLANK: 2181099 Matrix: Solid  
Associated Lab Samples: 40222095003, 40222095005, 40222095006, 40222095007, 40222095008, 40222095009, 40222095010, 40222095011, 40222095012, 40222095013, 40222095014, 40222095015, 40222095016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	mg/kg	<0.0032	0.011	0.0032	02/17/21 08:34	
1,1,2,2-Tetrachloroethane	mg/kg	<0.0050	0.017	0.0050	02/17/21 08:34	
1,1,2-Trichloroethane	mg/kg	<0.0031	0.010	0.0031	02/17/21 08:34	
1,1-Dichloroethane	mg/kg	<0.0041	0.014	0.0041	02/17/21 08:34	
1,1-Dichloroethene	mg/kg	<0.0034	0.011	0.0034	02/17/21 08:34	
1,2-Dichloroethane	mg/kg	<0.00041	0.0014	0.00041	02/17/21 08:34	
1,2-Dichloropropane	mg/kg	<0.0026	0.0088	0.0026	02/17/21 08:34	
2-Butanone (MEK)	mg/kg	<0.0074	0.025	0.0074	02/17/21 08:34	
2-Hexanone	mg/kg	<0.011	0.038	0.011	02/17/21 08:34	
4-Methyl-2-pentanone (MIBK)	mg/kg	<0.0029	0.0095	0.0029	02/17/21 08:34	
Acetone	mg/kg	<0.047	0.16	0.047	02/17/21 08:34	
Benzene	mg/kg	<0.0027	0.0090	0.0027	02/17/21 08:34	
Bromodichloromethane	mg/kg	<0.0025	0.0082	0.0025	02/17/21 08:34	
Bromoform	mg/kg	<0.0081	0.027	0.0081	02/17/21 08:34	
Bromomethane	mg/kg	<0.0060	0.020	0.0060	02/17/21 08:34	
Carbon disulfide	mg/kg	<0.0033	0.011	0.0033	02/17/21 08:34	
Carbon tetrachloride	mg/kg	<0.0032	0.011	0.0032	02/17/21 08:34	
Chlorobenzene	mg/kg	<0.0029	0.0098	0.0029	02/17/21 08:34	
Chloroethane	mg/kg	<0.0036	0.012	0.0036	02/17/21 08:34	
Chloroform	mg/kg	<0.0033	0.011	0.0033	02/17/21 08:34	
Chloromethane	mg/kg	<0.0025	0.0083	0.0025	02/17/21 08:34	
cis-1,2-Dichloroethene	mg/kg	<0.0043	0.014	0.0043	02/17/21 08:34	
cis-1,3-Dichloropropene	mg/kg	<0.0057	0.019	0.0057	02/17/21 08:34	
Dibromochloromethane	mg/kg	<0.0026	0.0085	0.0026	02/17/21 08:34	
Ethylbenzene	mg/kg	<0.0035	0.012	0.0035	02/17/21 08:34	
Methyl-tert-butyl ether	mg/kg	<0.0042	0.014	0.0042	02/17/21 08:34	
Methylene Chloride	mg/kg	<0.0028	0.0093	0.0028	02/17/21 08:34	
Styrene	mg/kg	<0.012	0.040	0.012	02/17/21 08:34	
Tetrachloroethene	mg/kg	<0.0049	0.016	0.0049	02/17/21 08:34	
Toluene	mg/kg	<0.0031	0.010	0.0031	02/17/21 08:34	
trans-1,2-Dichloroethene	mg/kg	<0.0030	0.0099	0.0030	02/17/21 08:34	
trans-1,3-Dichloropropene	mg/kg	<0.0021	0.0070	0.0021	02/17/21 08:34	
Trichloroethene	mg/kg	<0.0031	0.010	0.0031	02/17/21 08:34	
Vinyl chloride	mg/kg	<0.0049	0.016	0.0049	02/17/21 08:34	
Xylene (Total)	mg/kg	<0.0087	0.029	0.0087	02/17/21 08:34	
4-Bromofluorobenzene (S)	%	93	63-130		02/17/21 08:34	
Dibromofluoromethane (S)	%	99	70-130		02/17/21 08:34	
Toluene-d8 (S)	%	102	70-130		02/17/21 08:34	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

LABORATORY CONTROL SAMPLE & LCSD: 2181100		2181101								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	mg/kg	0.05	0.037	0.040	73	79	65-130	8	22	
1,1,2,2-Tetrachloroethane	mg/kg	0.05	0.049	0.054	98	108	69-130	10	20	
1,1,2-Trichloroethane	mg/kg	0.05	0.042	0.047	84	95	70-130	12	20	
1,1-Dichloroethane	mg/kg	0.05	0.043	0.044	86	88	70-132	3	21	
1,1-Dichloroethene	mg/kg	0.05	0.037	0.039	73	77	59-130	6	23	
1,2-Dichloroethane	mg/kg	0.05	0.040	0.041	79	82	70-135	4	20	
1,2-Dichloropropane	mg/kg	0.05	0.041	0.043	81	87	73-118	7	21	
Benzene	mg/kg	0.05	0.042	0.045	84	91	71-131	8	21	
Bromodichloromethane	mg/kg	0.05	0.042	0.043	85	86	69-130	2	20	
Bromoform	mg/kg	0.05	0.041	0.044	82	87	66-129	6	21	
Bromomethane	mg/kg	0.05	0.041	0.049	83	97	53-118	16	28	
Carbon disulfide	mg/kg	0.05	0.039	0.043	78	86	59-121	10	20	
Carbon tetrachloride	mg/kg	0.05	0.038	0.044	76	88	56-132	15	22	
Chlorobenzene	mg/kg	0.05	0.041	0.046	81	91	70-130	12	21	
Chloroethane	mg/kg	0.05	0.044	0.047	88	94	56-147	6	24	
Chloroform	mg/kg	0.05	0.042	0.045	84	90	68-122	8	21	
Chloromethane	mg/kg	0.05	0.029	0.034	57	68	28-124	18	26	
cis-1,2-Dichloroethene	mg/kg	0.05	0.040	0.042	80	84	70-130	4	22	
cis-1,3-Dichloropropene	mg/kg	0.05	0.043	0.040	86	80	70-130	7	20	
Dibromochloromethane	mg/kg	0.05	0.040	0.044	81	87	70-130	8	20	
Ethylbenzene	mg/kg	0.05	0.041	0.046	81	93	80-120	13	20	
Methyl-tert-butyl ether	mg/kg	0.05	0.039	0.039	78	78	66-130	0	22	
Methylene Chloride	mg/kg	0.05	0.043	0.047	86	93	70-130	8	20	
Styrene	mg/kg	0.05	0.042	0.048	83	96	70-130	14	20	
Tetrachloroethene	mg/kg	0.05	0.036	0.046	73	92	69-130	24	21	R1
Toluene	mg/kg	0.05	0.040	0.047	81	95	79-120	16	20	
trans-1,2-Dichloroethene	mg/kg	0.05	0.041	0.045	81	90	70-130	11	21	
trans-1,3-Dichloropropene	mg/kg	0.05	0.039	0.043	79	85	70-130	7	20	
Trichloroethene	mg/kg	0.05	0.040	0.044	80	89	70-130	10	22	
Vinyl chloride	mg/kg	0.05	0.036	0.038	73	76	38-123	5	23	
Xylene (Total)	mg/kg	0.15	0.12	0.14	80	96	70-130	19	20	RS
4-Bromofluorobenzene (S)	%				94	100	63-130			
Dibromofluoromethane (S)	%				104	95	70-130			
Toluene-d8 (S)	%				96	98	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

QC Batch: 378024 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40222095004

METHOD BLANK: 2181189 Matrix: Solid  
Associated Lab Samples: 40222095004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	mg/kg	<0.013	0.050	0.013	02/18/21 12:40	
1,1,2,2-Tetrachloroethane	mg/kg	<0.018	0.050	0.018	02/18/21 12:40	
1,1,2-Trichloroethane	mg/kg	<0.018	0.050	0.018	02/18/21 12:40	
1,1-Dichloroethane	mg/kg	<0.013	0.050	0.013	02/18/21 12:40	
1,1-Dichloroethene	mg/kg	<0.017	0.050	0.017	02/18/21 12:40	
1,2-Dichloroethane	mg/kg	<0.012	0.050	0.012	02/18/21 12:40	
1,2-Dichloropropene	mg/kg	<0.012	0.050	0.012	02/18/21 12:40	
2-Butanone (MEK)	mg/kg	<0.16	1.2	0.16	02/18/21 12:40	
2-Hexanone	mg/kg	<0.50	1.2	0.50	02/18/21 12:40	
4-Methyl-2-pentanone (MIBK)	mg/kg	<0.73	1.2	0.73	02/18/21 12:40	
Acetone	mg/kg	<0.13	1.2	0.13	02/18/21 12:40	
Benzene	mg/kg	<0.012	0.020	0.012	02/18/21 12:40	
Bromodichloromethane	mg/kg	<0.012	0.050	0.012	02/18/21 12:40	
Bromoform	mg/kg	<0.22	0.25	0.22	02/18/21 12:40	
Bromomethane	mg/kg	<0.070	0.25	0.070	02/18/21 12:40	
Carbon disulfide	mg/kg	<0.017	0.050	0.017	02/18/21 12:40	
Carbon tetrachloride	mg/kg	<0.011	0.050	0.011	02/18/21 12:40	
Chlorobenzene	mg/kg	<0.0060	0.050	0.0060	02/18/21 12:40	
Chloroethane	mg/kg	<0.021	0.25	0.021	02/18/21 12:40	
Chloroform	mg/kg	<0.036	0.25	0.036	02/18/21 12:40	
Chloromethane	mg/kg	<0.019	0.050	0.019	02/18/21 12:40	
cis-1,2-Dichloroethene	mg/kg	<0.011	0.050	0.011	02/18/21 12:40	
cis-1,3-Dichloropropene	mg/kg	<0.033	0.25	0.033	02/18/21 12:40	
Dibromochloromethane	mg/kg	<0.17	0.25	0.17	02/18/21 12:40	
Ethylbenzene	mg/kg	<0.012	0.050	0.012	02/18/21 12:40	
Methyl-tert-butyl ether	mg/kg	<0.015	0.050	0.015	02/18/21 12:40	
Methylene Chloride	mg/kg	<0.014	0.050	0.014	02/18/21 12:40	
Styrene	mg/kg	<0.013	0.050	0.013	02/18/21 12:40	
Tetrachloroethene	mg/kg	<0.019	0.050	0.019	02/18/21 12:40	
Toluene	mg/kg	<0.013	0.050	0.013	02/18/21 12:40	
trans-1,2-Dichloroethene	mg/kg	<0.011	0.050	0.011	02/18/21 12:40	
trans-1,3-Dichloropropene	mg/kg	<0.14	0.25	0.14	02/18/21 12:40	
Trichloroethene	mg/kg	<0.019	0.050	0.019	02/18/21 12:40	
Vinyl chloride	mg/kg	<0.010	0.050	0.010	02/18/21 12:40	
Xylene (Total)	mg/kg	<0.036	0.15	0.036	02/18/21 12:40	
1,2-Dichlorobenzene-d4 (S)	%	94	50-150		02/18/21 12:40	
4-Bromofluorobenzene (S)	%	79	52-137		02/18/21 12:40	
Toluene-d8 (S)	%	81	56-140		02/18/21 12:40	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

LABORATORY CONTROL SAMPLE: 2181190

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/kg	2.5	2.6	106	70-130	
1,1,2,2-Tetrachloroethane	mg/kg	2.5	2.2	87	70-130	
1,1,2-Trichloroethane	mg/kg	2.5	2.3	91	70-130	
1,1-Dichloroethane	mg/kg	2.5	2.5	102	69-143	
1,1-Dichloroethene	mg/kg	2.5	2.3	91	73-118	
1,2-Dichloroethane	mg/kg	2.5	2.7	106	70-130	
1,2-Dichloropropane	mg/kg	2.5	2.3	94	78-126	
Benzene	mg/kg	2.5	2.4	96	70-130	
Bromodichloromethane	mg/kg	2.5	2.4	98	70-130	
Bromoform	mg/kg	2.5	2.5	101	67-130	
Bromomethane	mg/kg	2.5	2.4	97	45-134	
Carbon disulfide	mg/kg	2.5	2.5	99	66-130	
Carbon tetrachloride	mg/kg	2.5	2.8	113	70-130	
Chlorobenzene	mg/kg	2.5	2.6	103	70-130	
Chloroethane	mg/kg	2.5	2.4	97	58-143	
Chloroform	mg/kg	2.5	2.6	105	76-122	
Chloromethane	mg/kg	2.5	2.1	83	45-120	
cis-1,2-Dichloroethene	mg/kg	2.5	2.5	98	69-130	
cis-1,3-Dichloropropene	mg/kg	2.5	2.6	102	70-130	
Dibromochloromethane	mg/kg	2.5	2.8	112	70-130	
Ethylbenzene	mg/kg	2.5	2.4	97	80-120	
Methyl-tert-butyl ether	mg/kg	2.5	2.4	95	70-130	
Methylene Chloride	mg/kg	2.5	2.4	97	70-130	
Styrene	mg/kg	2.5	2.5	99	70-130	
Tetrachloroethene	mg/kg	2.5	2.6	103	70-130	
Toluene	mg/kg	2.5	2.4	98	80-120	
trans-1,2-Dichloroethene	mg/kg	2.5	2.6	104	70-130	
trans-1,3-Dichloropropene	mg/kg	2.5	2.5	100	70-130	
Trichloroethene	mg/kg	2.5	2.6	104	70-130	
Vinyl chloride	mg/kg	2.5	2.2	88	53-110	
Xylene (Total)	mg/kg	7.5	7.4	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%			108	50-150	
4-Bromofluorobenzene (S)	%			90	52-137	
Toluene-d8 (S)	%			94	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2181191 2181192

Parameter	Units	40221991008		MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result						
1,1,1-Trichloroethane	mg/kg	<16.8 ug/kg	1.3	1.3	1.3	1.3	1.2	1.3	92	97	66-130	5	20
1,1,2,2-Tetrachloroethane	mg/kg	<23.7 ug/kg	1.3	1.3	1.3	1.3	1.1	1.1	85	82	70-133	4	20
1,1,2-Trichloroethane	mg/kg	<23.9 ug/kg	1.3	1.3	1.3	1.3	1.2	1.2	88	89	70-130	1	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2181191		2181192		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40221991008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,1-Dichloroethane	mg/kg	<16.8 ug/kg	1.3	1.3	1.2	1.3	91	95	69-143	4	20		
1,1-Dichloroethene	mg/kg	<21.8 ug/kg	1.3	1.3	0.99	0.97	75	74	58-120	2	20		
1,2-Dichloroethane	mg/kg	<15.1 ug/kg	1.3	1.3	1.3	1.3	96	102	70-136	6	20		
1,2-Dichloropropane	mg/kg	<15.6 ug/kg	1.3	1.3	1.1	1.2	87	92	78-128	6	20		
Benzene	mg/kg	<15.6 ug/kg	1.3	1.3	1.2	1.2	89	94	70-130	4	20		
Bromodichloromethane	mg/kg	<15.6 ug/kg	1.3	1.3	1.2	1.3	91	98	70-130	7	20		
Bromoform	mg/kg	<289 ug/kg	1.3	1.3	1.3	1.3	99	99	63-130	0	20		
Bromomethane	mg/kg	<91.9 ug/kg	1.3	1.3	0.98	1.0	75	78	33-146	4	20		
Carbon disulfide	mg/kg	<22.6 ug/kg	1.3	1.3	1.1	1.1	82	83	53-136	2	20		
Carbon tetrachloride	mg/kg	<14.4 ug/kg	1.3	1.3	1.2	1.3	92	102	65-130	10	20		
Chlorobenzene	mg/kg	<7.9 ug/kg	1.3	1.3	1.3	1.3	102	101	70-130	1	20		
Chloroethane	mg/kg	<27.7 ug/kg	1.3	1.3	0.99	1.1	76	86	46-156	12	20		
Chloroform	mg/kg	<47.0 ug/kg	1.3	1.3	1.3	1.3	96	98	75-130	3	20		
Chloromethane	mg/kg	<24.9 ug/kg	1.3	1.3	0.75	0.77	57	59	20-139	3	20		
cis-1,2-Dichloroethene	mg/kg	<14.0 ug/kg	1.3	1.3	1.2	1.3	90	96	69-130	6	20		
cis-1,3-Dichloropropene	mg/kg	<43.3 ug/kg	1.3	1.3	1.2	1.3	95	98	70-130	4	20		
Dibromochloromethane	mg/kg	<224 ug/kg	1.3	1.3	1.4	1.3	108	100	70-130	8	20		
Ethylbenzene	mg/kg	<15.6 ug/kg	1.3	1.3	1.2	1.3	93	96	80-120	3	20		
Methyl-tert-butyl ether	mg/kg	<19.3 ug/kg	1.3	1.3	1.2	1.2	88	90	70-130	2	20		
Methylene Chloride	mg/kg	<18.2 ug/kg	1.3	1.3	1.1	1.2	87	95	70-136	9	20		
Styrene	mg/kg	<16.8 ug/kg	1.3	1.3	1.3	1.3	97	100	70-130	2	20		
Tetrachloroethene	mg/kg	<25.4 ug/kg	1.3	1.3	1.3	1.3	95	100	68-130	5	20		
Toluene	mg/kg	<16.5 ug/kg	1.3	1.3	1.2	1.2	91	95	80-120	5	20		
trans-1,2-Dichloroethene	mg/kg	<14.2 ug/kg	1.3	1.3	1.2	1.2	92	93	70-130	1	20		
trans-1,3-Dichloropropene	mg/kg	<188 ug/kg	1.3	1.3	1.3	1.2	98	94	70-130	4	20		
Trichloroethene	mg/kg	<24.5 ug/kg	1.3	1.3	1.2	1.3	88	96	70-130	8	20		
Vinyl chloride	mg/kg	<13.2 ug/kg	1.3	1.3	0.87	0.86	67	66	32-118	2	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2181191		2181192		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40221991008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Xylene (Total)	mg/kg	<47.3 ug/kg	3.9	3.9	3.8	3.9	97	99	70-130	2	20		
1,2-Dichlorobenzene-d4 (S)	%							119	115	50-150			
4-Bromofluorobenzene (S)	%							96	94	52-137			
Toluene-d8 (S)	%							105	103	56-140			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

QC Batch: 377754 Analysis Method: EPA 8082  
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40222095001, 40222095004, 40222095006

METHOD BLANK: 2180314 Matrix: Solid  
Associated Lab Samples: 40222095001, 40222095004, 40222095006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	<0.015	0.050	0.015	02/16/21 08:17	
PCB-1221 (Aroclor 1221)	mg/kg	<0.015	0.050	0.015	02/16/21 08:17	
PCB-1232 (Aroclor 1232)	mg/kg	<0.015	0.050	0.015	02/16/21 08:17	
PCB-1242 (Aroclor 1242)	mg/kg	<0.015	0.050	0.015	02/16/21 08:17	
PCB-1248 (Aroclor 1248)	mg/kg	<0.015	0.050	0.015	02/16/21 08:17	
PCB-1254 (Aroclor 1254)	mg/kg	<0.015	0.050	0.015	02/16/21 08:17	
PCB-1260 (Aroclor 1260)	mg/kg	<0.015	0.050	0.015	02/16/21 08:17	
Decachlorobiphenyl (S)	%	93	47-114		02/16/21 08:17	
Tetrachloro-m-xylene (S)	%	92	67-102		02/16/21 08:17	

LABORATORY CONTROL SAMPLE: 2180315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg		<0.015			
PCB-1221 (Aroclor 1221)	mg/kg		<0.015			
PCB-1232 (Aroclor 1232)	mg/kg		<0.015			
PCB-1242 (Aroclor 1242)	mg/kg		<0.015			
PCB-1248 (Aroclor 1248)	mg/kg		<0.015			
PCB-1254 (Aroclor 1254)	mg/kg		<0.015			
PCB-1260 (Aroclor 1260)	mg/kg	0.5	0.43	86	69-115	
Decachlorobiphenyl (S)	%			90	47-114	
Tetrachloro-m-xylene (S)	%			92	67-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2180316 2180317

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40222149004	Spike Conc.	Spike Conc.	Result						
PCB-1016 (Aroclor 1016)	mg/kg	<16.9 ug/kg			<0.017	<0.017				20	
PCB-1221 (Aroclor 1221)	mg/kg	<16.9 ug/kg			<0.017	<0.017				20	
PCB-1232 (Aroclor 1232)	mg/kg	<16.9 ug/kg			<0.017	<0.017				20	
PCB-1242 (Aroclor 1242)	mg/kg	<16.9 ug/kg			<0.017	<0.017				20	
PCB-1248 (Aroclor 1248)	mg/kg	<16.9 ug/kg			<0.017	<0.017				20	
PCB-1254 (Aroclor 1254)	mg/kg	<16.9 ug/kg			<0.017	<0.017				20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Parameter	Units	2180316		2180317		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40222149004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
PCB-1260 (Aroclor 1260)	mg/kg	<16.9 ug/kg	0.56	0.56	0.41	0.47	74	84	45-120	13	20	
Decachlorobiphenyl (S)	%							76	86	47-114		
Tetrachloro-m-xylene (S)	%							84	93	67-102		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

QC Batch: 606912 Analysis Method: EPA 8151A  
QC Batch Method: EPA 8151A Analysis Description: 8151 GCS Herbicides  
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 40222095009, 40222095012, 40222095015, 40222095016

METHOD BLANK: 2796426 Matrix: Solid  
Associated Lab Samples: 40222095009, 40222095012, 40222095015, 40222095016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2,4,5-TP (Silvex)	ug/kg	<37.2	49.8	37.2	02/22/21 14:51	
2,4-D	ug/kg	<33.5	49.8	33.5	02/22/21 14:51	
Dalapon	ug/kg	<37.3	49.8	37.3	02/22/21 14:51	
Dinoseb	ug/kg	<27.2	49.8	27.2	02/22/21 14:51	
Picloram	ug/kg	<36.9	49.8	36.9	02/22/21 14:51	
2,4-DCAA (S)	%	82	10-161		02/22/21 14:51	

LABORATORY CONTROL SAMPLE: 2796427

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	ug/kg	249	171	69	38-177	
2,4-D	ug/kg	249	214	86	32-155	
Dalapon	ug/kg	249	312	125	17-144	
Dinoseb	ug/kg	249	40.9J	16	10-142	
Picloram	ug/kg	249	169	68	10-135	
2,4-DCAA (S)	%			56	10-161	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2796428 2796429

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40222095016 Result	Spike Conc.	Spike Conc.	MS Result						
2,4,5-TP (Silvex)	ug/kg	<49.9	336	334	173	172	52	52	22-165	1	20
2,4-D	ug/kg	<45.0	336	334	233	239	69	72	10-153	3	20
Dalapon	ug/kg	<50.0	336	334	387	368	115	110	10-155	5	20
Dinoseb	ug/kg	<36.5	336	334	243	512	72	153	10-163	71	20 R1
Picloram	ug/kg	<49.5	336	334	210	184	63	55	10-132	13	20
2,4-DCAA (S)	%						70	62	10-161		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

QC Batch:	377805	Analysis Method:	EPA 8270E
QC Batch Method:	EPA 3546	Analysis Description:	8270E Solid MSSV Microwave
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40222095001, 40222095002, 40222095003, 40222095004, 40222095005, 40222095006, 40222095007, 40222095008, 40222095009, 40222095010, 40222095011, 40222095012, 40222095013, 40222095014, 40222095015, 40222095016

METHOD BLANK: 2180574 Matrix: Solid  
Associated Lab Samples: 40222095001, 40222095002, 40222095003, 40222095004, 40222095005, 40222095006, 40222095007, 40222095008, 40222095009, 40222095010, 40222095011, 40222095012, 40222095013, 40222095014, 40222095015, 40222095016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	<0.019	0.063	0.019	02/16/21 11:29	
1,2-Dichlorobenzene	mg/kg	<0.052	0.17	0.052	02/16/21 11:29	
1,3-Dichlorobenzene	mg/kg	<0.023	0.077	0.023	02/16/21 11:29	
1,4-Dichlorobenzene	mg/kg	<0.023	0.078	0.023	02/16/21 11:29	
2,2'-Oxybis(1-chloropropane)	mg/kg	<0.043	0.14	0.043	02/16/21 11:29	
2,4,5-Trichlorophenol	mg/kg	<0.029	0.098	0.029	02/16/21 11:29	
2,4,6-Trichlorophenol	mg/kg	<0.025	0.085	0.025	02/16/21 11:29	
2,4-Dichlorophenol	mg/kg	<0.045	0.15	0.045	02/16/21 11:29	
2,4-Dimethylphenol	mg/kg	<0.033	0.11	0.033	02/16/21 11:29	
2,4-Dinitrophenol	mg/kg	<0.051	0.17	0.051	02/16/21 11:29	
2,4-Dinitrotoluene	mg/kg	<0.024	0.080	0.024	02/16/21 11:29	
2,6-Dinitrotoluene	mg/kg	<0.032	0.11	0.032	02/16/21 11:29	
2-Chloronaphthalene	mg/kg	<0.021	0.071	0.021	02/16/21 11:29	
2-Chlorophenol	mg/kg	<0.042	0.14	0.042	02/16/21 11:29	
2-Methylnaphthalene	mg/kg	<0.043	0.14	0.043	02/16/21 11:29	
2-Methylphenol(o-Cresol)	mg/kg	<0.030	0.10	0.030	02/16/21 11:29	
2-Nitroaniline	mg/kg	<0.048	0.16	0.048	02/16/21 11:29	
2-Nitrophenol	mg/kg	<0.053	0.18	0.053	02/16/21 11:29	
3&4-Methylphenol(m&p Cresol)	mg/kg	<0.031	0.10	0.031	02/16/21 11:29	
3,3'-Dichlorobenzidine	mg/kg	<0.045	0.15	0.045	02/16/21 11:29	
3-Nitroaniline	mg/kg	<0.028	0.095	0.028	02/16/21 11:29	3q
4,6-Dinitro-2-methylphenol	mg/kg	<0.051	0.17	0.051	02/16/21 11:29	
4-Bromophenylphenyl ether	mg/kg	<0.035	0.12	0.035	02/16/21 11:29	
4-Chloro-3-methylphenol	mg/kg	<0.052	0.17	0.052	02/16/21 11:29	
4-Chloroaniline	mg/kg	<0.027	0.091	0.027	02/16/21 11:29	3q
4-Chlorophenylphenyl ether	mg/kg	<0.031	0.10	0.031	02/16/21 11:29	
4-Nitroaniline	mg/kg	<0.069	0.23	0.069	02/16/21 11:29	
4-Nitrophenol	mg/kg	<0.042	0.14	0.042	02/16/21 11:29	
Acenaphthene	mg/kg	<0.059	0.20	0.059	02/16/21 11:29	
Acenaphthylene	mg/kg	<0.060	0.20	0.060	02/16/21 11:29	
Anthracene	mg/kg	<0.027	0.089	0.027	02/16/21 11:29	
Benzo(a)anthracene	mg/kg	<0.026	0.086	0.026	02/16/21 11:29	
Benzo(a)pyrene	mg/kg	<0.025	0.084	0.025	02/16/21 11:29	
Benzo(b)fluoranthene	mg/kg	<0.029	0.096	0.029	02/16/21 11:29	
Benzo(g,h,i)perylene	mg/kg	<0.044	0.15	0.044	02/16/21 11:29	
Benzo(k)fluoranthene	mg/kg	<0.040	0.13	0.040	02/16/21 11:29	
bis(2-Chloroethoxy)methane	mg/kg	<0.045	0.15	0.045	02/16/21 11:29	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

METHOD BLANK: 2180574

Matrix: Solid

Associated Lab Samples: 40222095001, 40222095002, 40222095003, 40222095004, 40222095005, 40222095006, 40222095007, 40222095008, 40222095009, 40222095010, 40222095011, 40222095012, 40222095013, 40222095014, 40222095015, 40222095016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Chloroethyl) ether	mg/kg	<0.052	0.17	0.052	02/16/21 11:29	
bis(2-Ethylhexyl)phthalate	mg/kg	<0.028	0.093	0.028	02/16/21 11:29	
Butylbenzylphthalate	mg/kg	<0.027	0.089	0.027	02/16/21 11:29	
Carbazole	mg/kg	<0.026	0.087	0.026	02/16/21 11:29	
Chrysene	mg/kg	<0.025	0.083	0.025	02/16/21 11:29	
Di-n-butylphthalate	mg/kg	<0.025	0.083	0.025	02/16/21 11:29	
Di-n-octylphthalate	mg/kg	<0.038	0.13	0.038	02/16/21 11:29	
Dibenz(a,h)anthracene	mg/kg	<0.045	0.15	0.045	02/16/21 11:29	
Dibenzofuran	mg/kg	<0.020	0.067	0.020	02/16/21 11:29	
Diethylphthalate	mg/kg	<0.028	0.092	0.028	02/16/21 11:29	
Dimethylphthalate	mg/kg	<0.022	0.072	0.022	02/16/21 11:29	
Fluoranthene	mg/kg	<0.024	0.079	0.024	02/16/21 11:29	
Fluorene	mg/kg	<0.020	0.065	0.020	02/16/21 11:29	
Hexachloro-1,3-butadiene	mg/kg	<0.043	0.14	0.043	02/16/21 11:29	
Hexachlorobenzene	mg/kg	<0.028	0.094	0.028	02/16/21 11:29	
Hexachlorocyclopentadiene	mg/kg	<0.040	0.13	0.040	02/16/21 11:29	
Hexachloroethane	mg/kg	<0.027	0.089	0.027	02/16/21 11:29	
Indeno(1,2,3-cd)pyrene	mg/kg	<0.036	0.12	0.036	02/16/21 11:29	CH
Isophorone	mg/kg	<0.026	0.086	0.026	02/16/21 11:29	
N-Nitroso-di-n-propylamine	mg/kg	<0.026	0.088	0.026	02/16/21 11:29	
N-Nitrosodiphenylamine	mg/kg	<0.23	0.75	0.23	02/16/21 11:29	
Naphthalene	mg/kg	<0.058	0.19	0.058	02/16/21 11:29	
Nitrobenzene	mg/kg	<0.034	0.11	0.034	02/16/21 11:29	
Pentachlorophenol	mg/kg	<0.037	0.12	0.037	02/16/21 11:29	
Phenanthrene	mg/kg	<0.021	0.071	0.021	02/16/21 11:29	
Phenol	mg/kg	<0.040	0.13	0.040	02/16/21 11:29	
Pyrene	mg/kg	<0.037	0.12	0.037	02/16/21 11:29	
2,4,6-Tribromophenol (S)	%	92	10-153		02/16/21 11:29	
2-Fluorobiphenyl (S)	%	86	45-103		02/16/21 11:29	
2-Fluorophenol (S)	%	75	10-110		02/16/21 11:29	
Nitrobenzene-d5 (S)	%	77	17-110		02/16/21 11:29	
Phenol-d6 (S)	%	71	11-109		02/16/21 11:29	
Terphenyl-d14 (S)	%	88	46-100		02/16/21 11:29	

LABORATORY CONTROL SAMPLE: 2180575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	1.7	1.6	97	62-130	
1,2-Dichlorobenzene	mg/kg	1.7	1.5	91	65-130	
1,3-Dichlorobenzene	mg/kg	1.7	1.5	89	64-130	
1,4-Dichlorobenzene	mg/kg	1.7	1.5	87	64-120	
2,2'-Oxybis(1-chloropropane)	mg/kg	1.7	1.6	94	52-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

LABORATORY CONTROL SAMPLE: 2180575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-Trichlorophenol	mg/kg	1.7	1.7	102	64-115	
2,4,6-Trichlorophenol	mg/kg	1.7	1.7	104	67-110	
2,4-Dichlorophenol	mg/kg	1.7	1.6	95	60-112	
2,4-Dimethylphenol	mg/kg	1.7	1.6	95	53-118	
2,4-Dinitrophenol	mg/kg	1.7	1.0	63	18-103	
2,4-Dinitrotoluene	mg/kg	1.7	1.8	108	67-130	
2,6-Dinitrotoluene	mg/kg	1.7	1.7	104	65-130	
2-Chloronaphthalene	mg/kg	1.7	1.7	99	70-130	
2-Chlorophenol	mg/kg	1.7	1.5	88	62-130	
2-Methylnaphthalene	mg/kg	1.7	1.6	94	69-130	
2-Methylphenol(o-Cresol)	mg/kg	1.7	1.5	88	64-130	
2-Nitroaniline	mg/kg	1.7	1.7	101	64-130	
2-Nitrophenol	mg/kg	1.7	1.6	94	59-117	
3&4-Methylphenol(m&p Cresol)	mg/kg	1.7	1.5	90	63-130	
3,3'-Dichlorobenzidine	mg/kg	1.7	1.3	77	41-105	
3-Nitroaniline	mg/kg	1.7	1.4	83	55-110	3q
4,6-Dinitro-2-methylphenol	mg/kg	1.7	1.6	95	41-111	
4-Bromophenylphenyl ether	mg/kg	1.7	1.8	108	70-130	
4-Chloro-3-methylphenol	mg/kg	1.7	1.6	98	61-117	
4-Chloroaniline	mg/kg	1.7	1.2	73	41-103	3q
4-Chlorophenylphenyl ether	mg/kg	1.7	1.7	103	70-116	
4-Nitroaniline	mg/kg	1.7	1.6	99	59-118	
4-Nitrophenol	mg/kg	1.7	1.7	102	28-116	
Acenaphthene	mg/kg	1.7	1.6	96	73-113	
Acenaphthylene	mg/kg	1.7	1.6	98	70-116	
Anthracene	mg/kg	1.7	1.7	105	70-121	
Benzo(a)anthracene	mg/kg	1.7	1.7	101	70-117	
Benzo(a)pyrene	mg/kg	1.7	1.6	94	67-111	
Benzo(b)fluoranthene	mg/kg	1.7	1.5	93	67-112	
Benzo(g,h,i)perylene	mg/kg	1.7	1.6	93	59-117	
Benzo(k)fluoranthene	mg/kg	1.7	1.5	89	70-112	
bis(2-Chloroethoxy)methane	mg/kg	1.7	1.6	97	70-130	
bis(2-Chloroethyl) ether	mg/kg	1.7	1.4	85	55-130	
bis(2-Ethylhexyl)phthalate	mg/kg	1.7	1.6	98	59-125	
Butylbenzylphthalate	mg/kg	1.7	1.7	99	53-131	
Carbazole	mg/kg	1.7	1.7	99	70-114	
Chrysene	mg/kg	1.7	1.6	95	65-125	
Di-n-butylphthalate	mg/kg	1.7	1.8	108	68-130	
Di-n-octylphthalate	mg/kg	1.7	1.7	100	53-121	
Dibenz(a,h)anthracene	mg/kg	1.7	1.7	103	37-123	
Dibenzofuran	mg/kg	1.7	1.6	94	70-130	
Diethylphthalate	mg/kg	1.7	1.7	104	66-130	
Dimethylphthalate	mg/kg	1.7	1.7	101	70-130	
Fluoranthene	mg/kg	1.7	1.7	100	77-118	
Fluorene	mg/kg	1.7	1.6	99	70-118	
Hexachloro-1,3-butadiene	mg/kg	1.7	1.8	106	58-121	
Hexachlorobenzene	mg/kg	1.7	1.8	106	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

LABORATORY CONTROL SAMPLE: 2180575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	mg/kg	1.7	1.6	97	31-123	
Hexachloroethane	mg/kg	1.7	1.5	93	61-104	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.8	105	53-115	CH
Isophorone	mg/kg	1.7	1.6	98	65-130	
N-Nitroso-di-n-propylamine	mg/kg	1.7	1.6	97	63-130	
N-Nitrosodiphenylamine	mg/kg	1.7	1.7	101	69-109	
Naphthalene	mg/kg	1.7	1.6	95	70-113	
Nitrobenzene	mg/kg	1.7	1.6	95	60-130	
Pentachlorophenol	mg/kg	1.7	1.4	87	43-101	
Phenanthrene	mg/kg	1.7	1.7	102	70-115	
Phenol	mg/kg	1.7	1.6	97	59-105	
Pyrene	mg/kg	1.7	1.5	92	70-126	
2,4,6-Tribromophenol (S)	%			96	10-153	
2-Fluorobiphenyl (S)	%			90	45-103	
2-Fluorophenol (S)	%			78	10-110	
Nitrobenzene-d5 (S)	%			91	17-110	
Phenol-d6 (S)	%			82	11-109	
Terphenyl-d14 (S)	%			90	46-100	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2180576 2180577

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40222095007	Result	Spike Conc.	Spike Conc.								
1,2,4-Trichlorobenzene	mg/kg	<0.021	1.9	1.9	1.5	1.7	82	91	49-130	11	27		
1,2-Dichlorobenzene	mg/kg	<0.058	1.9	1.9	1.5	1.6	81	86	46-130	6	30		
1,3-Dichlorobenzene	mg/kg	<0.025	1.9	1.9	1.5	1.5	80	84	45-130	5	33		
1,4-Dichlorobenzene	mg/kg	<0.026	1.9	1.9	1.5	1.6	80	86	44-120	7	31		
2,2'-Oxybis(1-chloropropane)	mg/kg	<0.047	1.9	1.9	1.6	1.7	87	90	41-130	4	23		
2,4,5-Trichlorophenol	mg/kg	<0.032	1.9	1.9	1.7	1.7	91	91	35-115	0	28		
2,4,6-Trichlorophenol	mg/kg	<0.028	1.9	1.9	1.7	1.8	93	98	40-110	6	27		
2,4-Dichlorophenol	mg/kg	<0.049	1.9	1.9	1.6	1.7	86	90	44-112	5	27		
2,4-Dimethylphenol	mg/kg	<0.036	1.9	1.9	1.3	1.4	72	75	45-118	4	28		
2,4-Dinitrophenol	mg/kg	<0.056	1.9	1.9	0.45	0.44	25	24	10-103	3	43		
2,4-Dinitrotoluene	mg/kg	<0.026	1.9	1.9	1.8	1.8	96	98	47-130	3	29		
2,6-Dinitrotoluene	mg/kg	<0.035	1.9	1.9	1.8	1.7	96	94	49-130	2	27		
2-Chloronaphthalene	mg/kg	<0.024	1.9	1.9	1.6	1.7	88	92	50-130	4	23		
2-Chlorophenol	mg/kg	<0.046	1.9	1.9	1.5	1.5	83	83	44-130	1	30		
2-Methylnaphthalene	mg/kg	<0.048	1.9	1.9	1.5	1.7	84	90	54-130	7	24		
2-Methylphenol(o-Cresol)	mg/kg	<0.033	1.9	1.9	1.5	1.5	84	81	46-130	4	24		
2-Nitroaniline	mg/kg	<0.052	1.9	1.9	1.7	1.7	93	93	50-130	0	29		
2-Nitrophenol	mg/kg	<0.058	1.9	1.9	1.6	1.7	89	92	10-138	3	32		
3&4-Methylphenol(m&p Cresol)	mg/kg	<0.034	1.9	1.9	1.5	1.5	82	82	41-130	0	25		
3,3'-Dichlorobenzidine	mg/kg	<0.050	1.9	1.9	1.6	1.6	84	86	11-132	2	30		
3-Nitroaniline	mg/kg	<0.031	1.9	1.9	1.4	1.5	76	83	33-110	9	35	3q	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2180576 2180577												
Parameter	Units	40222095007		MS	MSD	MS	MSD	MS	MSD	% Rec	Max	
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD	RPD
4,6-Dinitro-2-methylphenol	mg/kg	<0.057	1.9	1.9	1.9	1.0	1.1	57	59	10-111	3	50
4-Bromophenylphenyl ether	mg/kg	<0.038	1.9	1.9	1.9	1.8	1.8	98	101	51-130	3	24
4-Chloro-3-methylphenol	mg/kg	<0.057	1.9	1.9	1.9	1.6	1.7	89	91	42-117	2	27
4-Chloroaniline	mg/kg	<0.030	1.9	1.9	1.9	1.1	1.2	61	67	30-103	9	28 3q
4-Chlorophenylphenyl ether	mg/kg	<0.034	1.9	1.9	1.9	1.6	1.7	88	93	53-116	5	26
4-Nitroaniline	mg/kg	<0.076	1.9	1.9	1.9	1.6	1.7	88	91	31-118	3	43
4-Nitrophenol	mg/kg	<0.046	1.9	1.9	1.9	1.6	1.5	85	83	10-116	3	43
Acenaphthene	mg/kg	<0.065	1.9	1.9	1.9	1.6	1.6	87	89	49-113	3	24
Acenaphthylene	mg/kg	<0.065	1.9	1.9	1.9	1.6	1.6	86	89	52-116	4	25
Anthracene	mg/kg	<0.029	1.9	1.9	1.9	1.7	1.8	94	97	50-121	4	27
Benzo(a)anthracene	mg/kg	0.055J	1.9	1.9	1.9	1.7	1.8	90	93	50-117	4	24
Benzo(a)pyrene	mg/kg	0.088J	1.9	1.9	1.9	1.6	1.7	83	88	35-121	6	24
Benzo(b)fluoranthene	mg/kg	0.12	1.9	1.9	1.9	1.6	1.6	81	82	45-112	2	27
Benzo(g,h,i)perylene	mg/kg	0.070J	1.9	1.9	1.9	1.6	1.7	84	90	35-117	7	23
Benzo(k)fluoranthene	mg/kg	0.089J	1.9	1.9	1.9	1.5	1.6	75	84	48-112	11	24
bis(2-Chloroethoxy)methane	mg/kg	<0.049	1.9	1.9	1.9	1.6	1.7	88	93	51-130	6	27
bis(2-Chloroethyl) ether	mg/kg	<0.057	1.9	1.9	1.9	1.5	1.4	81	79	40-130	3	30
bis(2-Ethylhexyl)phthalate	mg/kg	<0.031	1.9	1.9	1.9	1.6	1.6	88	87	49-125	2	25
Butylbenzylphthalate	mg/kg	<0.029	1.9	1.9	1.9	1.7	1.7	91	90	47-131	1	24
Carbazole	mg/kg	<0.029	1.9	1.9	1.9	1.6	1.7	88	90	53-114	2	27
Chrysene	mg/kg	0.079J	1.9	1.9	1.9	1.6	1.7	84	89	54-125	5	24
Di-n-butylphthalate	mg/kg	<0.027	1.9	1.9	1.9	1.7	1.8	95	97	50-130	2	25
Di-n-octylphthalate	mg/kg	0.063J	1.9	1.9	1.9	1.7	1.8	89	94	43-124	5	20
Dibenz(a,h)anthracene	mg/kg	0.063J	1.9	1.9	1.9	1.6	1.8	85	94	29-124	10	29
Dibenzofuran	mg/kg	<0.022	1.9	1.9	1.9	1.5	1.6	83	87	53-130	4	22
Diethylphthalate	mg/kg	<0.030	1.9	1.9	1.9	1.7	1.8	92	95	52-130	4	22
Dimethylphthalate	mg/kg	<0.024	1.9	1.9	1.9	1.7	1.8	94	96	51-130	2	22
Fluoranthene	mg/kg	0.13	1.9	1.9	1.9	1.7	1.8	86	92	57-121	6	29
Fluorene	mg/kg	<0.021	1.9	1.9	1.9	1.6	1.7	89	92	53-118	4	20
Hexachloro-1,3-butadiene	mg/kg	<0.047	1.9	1.9	1.9	1.6	1.8	90	100	53-121	11	28
Hexachlorobenzene	mg/kg	<0.031	1.9	1.9	1.9	1.7	1.7	91	95	52-130	5	23
Hexachlorocyclopentadiene	mg/kg	<0.043	1.9	1.9	1.9	1.2	1.4	67	75	10-130	12	50
Hexachloroethane	mg/kg	<0.029	1.9	1.9	1.9	1.5	1.6	81	86	35-104	7	33
Indeno(1,2,3-cd)pyrene	mg/kg	0.097J	1.9	1.9	1.9	1.8	1.9	92	99	33-118	7	29 CH
Isophorone	mg/kg	<0.028	1.9	1.9	1.9	1.6	1.7	87	92	48-130	5	25
N-Nitroso-di-n-propylamine	mg/kg	<0.029	1.9	1.9	1.9	1.7	1.6	94	89	47-130	5	25
N-Nitrosodiphenylamine	mg/kg	<0.25	1.9	1.9	1.9	1.7	1.7	91	95	39-119	5	28
Naphthalene	mg/kg	<0.064	1.9	1.9	1.9	1.5	1.6	83	90	49-113	8	25
Nitrobenzene	mg/kg	<0.037	1.9	1.9	1.9	1.5	1.7	84	90	46-130	7	29
Pentachlorophenol	mg/kg	<0.040	1.9	1.9	1.9	1.4	1.6	78	85	10-133	9	48
Phenanthrene	mg/kg	0.13	1.9	1.9	1.9	1.7	1.8	87	93	48-115	7	27
Phenol	mg/kg	<0.044	1.9	1.9	1.9	1.6	1.7	89	92	41-105	3	27
Pyrene	mg/kg	0.10J	1.9	1.9	1.9	1.6	1.6	82	83	49-126	1	23
2,4,6-Tribromophenol (S)	%							90	93	10-153		
2-Fluorobiphenyl (S)	%							79	82	45-103		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2180576 2180577												
Parameter	Units	40222095007 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
2-Fluorophenol (S)	%						70	78	10-110			
Nitrobenzene-d5 (S)	%						82	89	17-110			
Phenol-d6 (S)	%						76	75	11-109			
Terphenyl-d14 (S)	%						82	80	46-100			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

---

QC Batch:	377695	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40222095001, 40222095002, 40222095003, 40222095004, 40222095005, 40222095006, 40222095007, 40222095008, 40222095009, 40222095010, 40222095011, 40222095012, 40222095013, 40222095014, 40222095015, 40222095016

---

SAMPLE DUPLICATE: 2179957

Parameter	Units	40222093001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.2	5.2	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

QC Batch: 377906

Analysis Method: EPA 9040

QC Batch Method: EPA 9040

Analysis Description: 9040 pH

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40222095001, 40222095002, 40222095005, 40222095008, 40222095010, 40222095011, 40222095012, 40222095015, 40222095016

SAMPLE DUPLICATE: 2180824

Parameter	Units	40222095001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.7	1	20	H6

SAMPLE DUPLICATE: 2180825

Parameter	Units	40222184001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.9	8.9	0	20	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

QC Batch: 377798

Analysis Method: EPA 9045

QC Batch Method: EPA 9045

Analysis Description: 9045 pH

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40222095003, 40222095004, 40222095006, 40222095007, 40222095009, 40222095013, 40222095014

SAMPLE DUPLICATE: 2180553

Parameter	Units	40222095003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.78	7.84	1	5	H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above adjusted reporting limit.  
TNTC - Too Numerous To Count  
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.  
MDL - Adjusted Method Detection Limit.  
PQL - Practical Quantitation Limit.  
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
SG - Silica Gel - Clean-Up  
U - Indicates the compound was analyzed for, but not detected.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The NELAC Institute.

### BATCH QUALIFIERS

Batch: 377923

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 377999

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

### ANALYTE QUALIFIERS

1q Due to the sample matrix, DI water was added to this sample on a one to one basis and the sample was stirred before analysis.  
2q Sample was not run low level due to the presence of high levels of non-target analytes or other matrix interference.  
3q The initial calibration verification for this compound was outside of method control limits.  
4q The internal standard response is below criteria, due to a matrix effect. Results may be biased high.  
5q The internal standard response was below the laboratory acceptance criteria limits confirmed by reanalysis. Results are below reporting limits in associated samples, and unaffected by high bias.  
CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.  
D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.  
H6 Analysis initiated outside of the 15 minute EPA required holding time.  
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.  
P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.  
R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

---

### ANALYTE QUALIFIERS

- RS The RPD value in one of the constituent analytes was outside the control limits.
- S0 Surrogate recovery outside laboratory control limits.
- S4 Surrogate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40222095001	SB-01-7.5-8.0-20210209	EPA 3541	377754	EPA 8082	377767
40222095004	SB-04-7.5-8.0-20210209	EPA 3541	377754	EPA 8082	377767
40222095006	SB-06-5.0-5.5-20210209	EPA 3541	377754	EPA 8082	377767
40222095009	SB-09-3.5-4.0-20210209	EPA 8151A	606912	EPA 8151A	607132
40222095012	SB-12-1.0-1.5-20210209	EPA 8151A	606912	EPA 8151A	607132
40222095015	SB-15-1.0-1.5-20210209	EPA 8151A	606912	EPA 8151A	607132
40222095016	SB-16-8.0-8.5-20210210	EPA 8151A	606912	EPA 8151A	607132
40222095001	SB-01-7.5-8.0-20210209	EPA 3050	377717	EPA 6020	377770
40222095002	SB-02-5.5-6.0-20210209	EPA 3050	377717	EPA 6020	377770
40222095003	SB-03-9.0-9.5-20210209	EPA 3050	377717	EPA 6020	377770
40222095004	SB-04-7.5-8.0-20210209	EPA 3050	377717	EPA 6020	377770
40222095005	SB-05-2.0-2.5-20210209	EPA 3050	377717	EPA 6020	377770
40222095006	SB-06-5.0-5.5-20210209	EPA 3050	377717	EPA 6020	377770
40222095007	SB-07-7.5-8.0-20210209	EPA 3050	377717	EPA 6020	377770
40222095008	SB-08-7.5-8.0-20210210	EPA 3050	377717	EPA 6020	377770
40222095009	SB-09-3.5-4.0-20210209	EPA 3050	377717	EPA 6020	377770
40222095010	SB-10-7.5-8.0-20210210	EPA 3050	377717	EPA 6020	377770
40222095011	SB-11-4.0-4.5-20210210	EPA 3050	377717	EPA 6020	377770
40222095012	SB-12-1.0-1.5-20210209	EPA 3050	377717	EPA 6020	377770
40222095013	SB-13-7.0-7.5-20210210	EPA 3050	377717	EPA 6020	377770
40222095014	SB-14-2.0-2.5-20210210	EPA 3050	377717	EPA 6020	377770
40222095015	SB-15-1.0-1.5-20210209	EPA 3050	377717	EPA 6020	377770
40222095016	SB-16-8.0-8.5-20210210	EPA 3050	377717	EPA 6020	377770
40222095001	SB-01-7.5-8.0-20210209	EPA 7471	377823	EPA 7471	377861
40222095002	SB-02-5.5-6.0-20210209	EPA 7471	377823	EPA 7471	377861
40222095003	SB-03-9.0-9.5-20210209	EPA 7471	377823	EPA 7471	377861
40222095004	SB-04-7.5-8.0-20210209	EPA 7471	377823	EPA 7471	377861
40222095005	SB-05-2.0-2.5-20210209	EPA 7471	377823	EPA 7471	377861
40222095006	SB-06-5.0-5.5-20210209	EPA 7471	377823	EPA 7471	377861
40222095007	SB-07-7.5-8.0-20210209	EPA 7471	377823	EPA 7471	377861
40222095008	SB-08-7.5-8.0-20210210	EPA 7471	377823	EPA 7471	377861
40222095009	SB-09-3.5-4.0-20210209	EPA 7471	377823	EPA 7471	377861
40222095010	SB-10-7.5-8.0-20210210	EPA 7471	377823	EPA 7471	377861
40222095011	SB-11-4.0-4.5-20210210	EPA 7471	377823	EPA 7471	377861
40222095012	SB-12-1.0-1.5-20210209	EPA 7471	377823	EPA 7471	377861
40222095013	SB-13-7.0-7.5-20210210	EPA 7471	377823	EPA 7471	377861
40222095014	SB-14-2.0-2.5-20210210	EPA 7471	377823	EPA 7471	377861
40222095015	SB-15-1.0-1.5-20210209	EPA 7471	377823	EPA 7471	377861
40222095016	SB-16-8.0-8.5-20210210	EPA 7471	377823	EPA 7471	377861
40222095001	SB-01-7.5-8.0-20210209	EPA 3546	377805	EPA 8270E	377845
40222095002	SB-02-5.5-6.0-20210209	EPA 3546	377805	EPA 8270E	377845
40222095003	SB-03-9.0-9.5-20210209	EPA 3546	377805	EPA 8270E	377845
40222095004	SB-04-7.5-8.0-20210209	EPA 3546	377805	EPA 8270E	377845
40222095005	SB-05-2.0-2.5-20210209	EPA 3546	377805	EPA 8270E	377845
40222095006	SB-06-5.0-5.5-20210209	EPA 3546	377805	EPA 8270E	377845
40222095007	SB-07-7.5-8.0-20210209	EPA 3546	377805	EPA 8270E	377845
40222095008	SB-08-7.5-8.0-20210210	EPA 3546	377805	EPA 8270E	377845

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 10229523-009 CHAMPAIGN, IL HON

Pace Project No.: 40222095

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40222095009	SB-09-3.5-4.0-20210209	EPA 3546	377805	EPA 8270E	377845
40222095010	SB-10-7.5-8.0-20210210	EPA 3546	377805	EPA 8270E	377845
40222095011	SB-11-4.0-4.5-20210210	EPA 3546	377805	EPA 8270E	377845
40222095012	SB-12-1.0-1.5-20210209	EPA 3546	377805	EPA 8270E	377845
40222095013	SB-13-7.0-7.5-20210210	EPA 3546	377805	EPA 8270E	377845
40222095014	SB-14-2.0-2.5-20210210	EPA 3546	377805	EPA 8270E	377845
40222095015	SB-15-1.0-1.5-20210209	EPA 3546	377805	EPA 8270E	377845
40222095016	SB-16-8.0-8.5-20210210	EPA 3546	377805	EPA 8270E	377845
40222095001	SB-01-7.5-8.0-20210209	EPA 5035/5030	377922	EPA 8260	377923
40222095002	SB-02-5.5-6.0-20210209	EPA 5035/5030	377922	EPA 8260	377923
40222095003	SB-03-9.0-9.5-20210209	EPA 5035/5030	377998	EPA 8260	377999
40222095005	SB-05-2.0-2.5-20210209	EPA 5035/5030	377998	EPA 8260	377999
40222095006	SB-06-5.0-5.5-20210209	EPA 5035/5030	377998	EPA 8260	377999
40222095007	SB-07-7.5-8.0-20210209	EPA 5035/5030	377998	EPA 8260	377999
40222095008	SB-08-7.5-8.0-20210210	EPA 5035/5030	377998	EPA 8260	377999
40222095009	SB-09-3.5-4.0-20210209	EPA 5035/5030	377998	EPA 8260	377999
40222095010	SB-10-7.5-8.0-20210210	EPA 5035/5030	377998	EPA 8260	377999
40222095011	SB-11-4.0-4.5-20210210	EPA 5035/5030	377998	EPA 8260	377999
40222095012	SB-12-1.0-1.5-20210209	EPA 5035/5030	377998	EPA 8260	377999
40222095013	SB-13-7.0-7.5-20210210	EPA 5035/5030	377998	EPA 8260	377999
40222095014	SB-14-2.0-2.5-20210210	EPA 5035/5030	377998	EPA 8260	377999
40222095015	SB-15-1.0-1.5-20210209	EPA 5035/5030	377998	EPA 8260	377999
40222095016	SB-16-8.0-8.5-20210210	EPA 5035/5030	377998	EPA 8260	377999
40222095004	SB-04-7.5-8.0-20210209	EPA 5035/5030B	378024	EPA 8260	378025
40222095001	SB-01-7.5-8.0-20210209	ASTM D2974-87	377695		
40222095002	SB-02-5.5-6.0-20210209	ASTM D2974-87	377695		
40222095003	SB-03-9.0-9.5-20210209	ASTM D2974-87	377695		
40222095004	SB-04-7.5-8.0-20210209	ASTM D2974-87	377695		
40222095005	SB-05-2.0-2.5-20210209	ASTM D2974-87	377695		
40222095006	SB-06-5.0-5.5-20210209	ASTM D2974-87	377695		
40222095007	SB-07-7.5-8.0-20210209	ASTM D2974-87	377695		
40222095008	SB-08-7.5-8.0-20210210	ASTM D2974-87	377695		
40222095009	SB-09-3.5-4.0-20210209	ASTM D2974-87	377695		
40222095010	SB-10-7.5-8.0-20210210	ASTM D2974-87	377695		
40222095011	SB-11-4.0-4.5-20210210	ASTM D2974-87	377695		
40222095012	SB-12-1.0-1.5-20210209	ASTM D2974-87	377695		
40222095013	SB-13-7.0-7.5-20210210	ASTM D2974-87	377695		
40222095014	SB-14-2.0-2.5-20210210	ASTM D2974-87	377695		
40222095015	SB-15-1.0-1.5-20210209	ASTM D2974-87	377695		
40222095016	SB-16-8.0-8.5-20210210	ASTM D2974-87	377695		
40222095001	SB-01-7.5-8.0-20210209	EPA 9040	377906		
40222095002	SB-02-5.5-6.0-20210209	EPA 9040	377906		
40222095005	SB-05-2.0-2.5-20210209	EPA 9040	377906		
40222095008	SB-08-7.5-8.0-20210210	EPA 9040	377906		
40222095010	SB-10-7.5-8.0-20210210	EPA 9040	377906		
40222095011	SB-11-4.0-4.5-20210210	EPA 9040	377906		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 10229523-009 CHAMPAIGN, IL HON  
Pace Project No.: 40222095

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40222095012	SB-12-1.0-1.5-20210209	EPA 9040	377906		
40222095015	SB-15-1.0-1.5-20210209	EPA 9040	377906		
40222095016	SB-16-8.0-8.5-20210210	EPA 9040	377906		
40222095003	SB-03-9.0-9.5-20210209	EPA 9045	377798		
40222095004	SB-04-7.5-8.0-20210209	EPA 9045	377798		
40222095006	SB-06-5.0-5.5-20210209	EPA 9045	377798		
40222095007	SB-07-7.5-8.0-20210209	EPA 9045	377798		
40222095009	SB-09-3.5-4.0-20210209	EPA 9045	377798		
40222095013	SB-13-7.0-7.5-20210210	EPA 9045	377798		
40222095014	SB-14-2.0-2.5-20210210	EPA 9045	377798		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

(Please Print Clearly)



UPPER MIDWEST REGION  
MN: 612-607-1700 WI: 920-469-2436

# CHAIN OF CUSTODY

Preparation Codes  
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Company Name: **HDR, Inc**  
 Branch/Location: **ROSEMONT, IL**  
 Project Contact: **HONG SPORES**  
 Phone: **763-213-5194**  
 Project Number: **10229523-009**  
 Project Name: **Champaign, IL**  
 Project State: **ILLINOIS**  
 Sampled By (Print): **MATTHEW T KEAVENEY**  
 Sampled By (Sign): *[Signature]*  
 PO #: **Regulatory Program: \_\_\_\_\_**

Data Package Options  
 EPA Level III  
 EPA Level IV  
 On your sample (billable)  
 NOT needed on your sample  
 Matrix Codes  
 A = Air B = Biotra C = Charcoal O = Oil S = Soil SI = Sludge  
 W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water WP = Wipes

PAGE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	SB-01-7.5-8.0-20210209	2/9/21	1030	S
002	SB-02-5.5-6.0-20210209	2/9/21	1405	S
003	SB-03-9.0-9.5-20210209	2/9/21	1000	S
004	SB-04-4.5-8.0-20210209	2/9/21	1035	S
005	SB-05-2.0-2.5-20210209	2/9/21	1145	S
006	SB-06-5.0-5.5-20210209	2/9/21	1335	S
007	SB-07-7.5-8.0-20210209	2/9/21	1295	S
008	SB-08-7.5-8.0-20210210	2/10/21	0900	S
009	SB-09-3.5-4.0-20210209	2/9/21	1625	S
010	SB-10-7.5-8.0-20210210	2/10/21	0920	S
011	SB-11-4.0-4.5-20210210	2/10/21	1000	S
012	SB-12-1.0-1.5-20210209	2/9/21	1525	S
013	SB-13-7.0-7.5-20210210	2/10/21	1730	S

Y/N	Pick Letter	Analyses Requested	
		Y	N
N	EF	X	X
N		X	X
N		X	X
N		X	X
N		X	X
N		X	X
N		X	X
N		X	X
N		X	X
N		X	X

Rush Turnaround Time Requested - Prelims  
 (Rush TAT subject to approval/surcharge)  
 Date Needed: **5-1 Days**  
 Transmit Prelim Rush Results by (complete what you want):  
 Email #1: **hong.spores@hdr-inc.com**  
 Email #2: **matthew.keaveney@hdr-inc.com**  
 Telephone: **845-332-2463**  
 Fax: \_\_\_\_\_  
 Samples on HOLD are subject to special pricing and release of liability  
 Relinquished By: *[Signature]* Date/Time: **2/11/21 1330**  
 Relinquished By: *[Signature]* Date/Time: **2/11/21 1700**  
 Relinquished By: *[Signature]* Date/Time: **2/11/21 0830**  
 Relinquished By: *[Signature]* Date/Time: \_\_\_\_\_

Quote #: **00088869**  
 Mail To Contact: **HONG SPORES (hong.spores@hdr-inc.com)**  
 Mail To Company: **HDR, INC**  
 Mail To Address: **701 Xenia Avenue South Suite 600 Minneapolis, MN 55416-3634**  
 Invoice To Contact: **HONG SPORES**  
 Invoice To Company: **HDR, INC.**  
 Invoice To Address: **701 XENIA AVENUE SOUTH SUITE 600 MINNEAPOLIS MN 55416-3634**  
 Invoice To Phone: **763-213-5194**  
 CLIENT COMMENTS: **ALL SUPPLIES FROM IMMEDIATELY ON**  
 LAB COMMENTS: **LAB COMMENTS (Lab Use Only) Profile #**  
 Cooler Custody Seal: **Present / Not Present (Intact / Not Intact)**  
 Receipt Temp = **10** °C  
 Sample Receipt pH: **OK / Adjusted**  
 PAGE Project No.: **40222095**  
 Version 6.0 02/14/06 ORIGINAL

40222095

(Please Print Clearly)

Company Name: **HDR, INC.**  
 Branch/Location: **ROSEMONT, IL**  
 Project Contact: **HONG SPORES**  
 Phone: **763-213-5194**  
 Project Number: **16229523 - 009**  
 Project Name: **CHAMPAGNE, IL**  
 Project State: **ILLINOIS**  
 Sampled By (Print): **MATTHEW T KEAVENEY**  
 Sampled By (Sign): *[Signature]*  
 PO #:



# CHAIN OF CUSTODY

Filtered? (YES/NO)  
 Preservation Codes:  
 A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H= Sodium Bisulfate Solution I= Sodium Thiosulfate J= Other

UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

Y/N	Pick Letter	Analyses Requested
N	ET	VOC 8260, 300000
N		54025 8270
N		Metals
N		PCBs
N		Herbicides
N		H <sub>2</sub>

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
014	SR-03-20210208	2/10/21	1030	S
015	SB-14-20-2.5-20210210	2/10/21	1030	S
016	SB-15-1.0-1.5-20210209	2/9/21	1505	S
017	SB-16-8.0-8.5-20210216	2/10/21	1200	S

Quote #: **00008869**  
 Mail To Contact: **HONG SPORES**  
 Mail To Company: **HDR, INC**  
 Mail To Address: **701 KENIA AVENUE SOUTH SUITE 600 MINNEAPOLIS MN 55416-3732**  
 Invoice To Contact: **HONG SPORES**  
 Invoice To Company: **HDR, INC.**  
 Invoice To Address: **701 KENIA AVENUE SOUTH SUITE 600 MINNEAPOLIS MN 55416-3632**  
 Invoice To Phone: **763-213-5194**  
 CLIENT COMMENTS: **This row removed**  
 LAB COMMENTS (Lab Use Only):

Relinquished By: *[Signature]* Date/Time: **2/11/21 1330**  
 Relinquished By: *[Signature]* Date/Time: **2/11/21 1300**  
 Relinquished By: *[Signature]* Date/Time: **2/11/21 0930**  
 Relinquished By: *[Signature]* Date/Time: **2/11/21 1600**  
 Relinquished By: *[Signature]* Date/Time: **2/11/21 0930**  
 Relinquished By: *[Signature]* Date/Time: **2/11/21 1600**  
 Receipt Temp = **Ø** °C  
 Sample Receipt pH **Ø**  
 Cooler Custody Seal **Intact / Not Intact**

Client Name: HDR

**Sample Preservation Receipt Form**  
Project # 40222095

Pace Analytical Services, LLC  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302

All containers needing preservation have been checked and noted below:  Yes  No  N/A

Lab Lot# of pH paper: \_\_\_\_\_ Lab Std #/ID of preservation (if pH adjusted): \_\_\_\_\_


Initial when completed: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Pace Lab #	Glass						Plastic				Vials				Jars			General		VOA Vials (>6mm) *					Volume (mL)												
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T		ZPLC	GN	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted					
001																																			2.5/5/10		
002																																				2.5/5/10	
003																																				2.5/5/10	
004																																				2.5/5/10	
005																																				2.5/5/10	
006																																				2.5/5/10	
007																																				2.5/5/10	
008																																				2.5/5/10	
009																																				2.5/5/10	
010																																				2.5/5/10	
011																																				2.5/5/10	
012																																				2.5/5/10	
013																																				2.5/5/10	
014																																				2.5/5/10	
015																																				2.5/5/10	
016																																				2.5/5/10	
017																																				2.5/5/10	
018																																					2.5/5/10
019																																					2.5/5/10
020																																					2.5/5/10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_

Headspaces in VOA Vials (<6mm) :  Yes  No  N/A \*If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: 26Mar2020
	Document No.: <b>ENV-FRM-GBAY-0014-Rev.00</b>	Author: Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

**Client Name:** HAR  
**Courier:**  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_

Project #: \_\_\_\_\_

WO# : 40222095



40222095

**Tracking #:** \_\_\_\_\_  
**Custody Seal on Cooler/Box Present:**  Yes  No    **Seals intact:**  Yes  No  
**Custody Seal on Samples Present:**  Yes  No    **Seals intact:**  Yes  No  
**Packing Material:**  Bubble Wrap  Bubble Bags  None  Other  
**Thermometer Used** SR - 97    **Type of Ice:**  Wet  Blue  Dry  None     Samples on ice, cooling process has begun  
**Cooler Temperature**    Uncorr: 0 / Corr: 0  
**Temp Blank Present:**  Yes  No    **Biological Tissue is Frozen:**  Yes  No

Temp should be above freezing to 6°C.  
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:	
Date: <u>2/12/21</u>	Initials: <u>NA</u>
Labeled By Initials: <u>SKW</u>	

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>fcc</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. <u>Per coc - all DI vials frozen immediately after collection time / date 2/12/21 NA</u>
- VOA Samples frozen upon receipt	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:	8.	
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis    Matrix: <u>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

**Client Notification/ Resolution:** \_\_\_\_\_ If checked, see attached form for additional comments   
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_