

# Interim Action Report

Former Loeb-Lorman Scrapyard  
– Oak Parcel

March 24, 2023 | Project Number: 58217147

Prepared for:

City of Fort Atkinson  
101 North Main Street  
Fort Atkinson, Wisconsin



Nationwide  
[Terracon.com](https://www.terracon.com)

- Facilities
- Environmental
- Geotechnical
- Materials



4900 South Pennsylvania Ave, Ste 100  
Cudahy, WI 53110  
P (414) 423-0255  
F (414) 423-0566  
[Terracon.com](http://Terracon.com)

March 24, 2023

Wisconsin Department of Nature Resources  
3911 Fish Hatchery Road  
Fitchburg, Wisconsin 53711

Attn: Mr. Jeff Ackerman  
E [Jeffrey.Ackerman@wisconsin.gov](mailto:Jeffrey.Ackerman@wisconsin.gov)

RE: Interim Action Report  
Former Loeb-Lorman Scrapyard – Oak Parcel  
600 Oak Street  
Fort Atkinson, Wisconsin 53538  
BRRTS #02-28-590228  
Terracon Project No. 58217147

Dear Mr. Ackerman:

Terracon Consultants, Inc. (Terracon) is pleased to submit this Interim Action Report (IAR) for the above-referenced site. On behalf of the City of Fort Atkinson, Terracon will upload this IAR to the Wisconsin Department of Natural Resources' (WDNR's) online submittal portal. We appreciate your continued assistance with this project.

Sincerely,  
Terracon

Lucas P. Chabela

Senior Staff Geologist

Edmund A. Buc, P.E.

Department Manager

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## 1.0 Executive Summary

The City of Fort Atkinson (City) retained Terracon Consultants, Inc. (Terracon), to assist in responding to the discharge of hazardous substances present at the remedial action site known as the former Loeb-Lorman Scrapyard properties with the mailing addresses 115 Lorman Street, 600 Oak Street, and 205 Hake Street, Fort Atkinson, Wisconsin. The interim activities for this report occurred only on the 600 Oak Street parcel (“the Oak parcel,” also “the Site”). The City acquired the three Lorman parcels utilizing award fund from a Community Development Block Grant (CDBG) administered by the Wisconsin Department of Administration (DOA) Division of Energy, Housing and Community Resources (DEHCR). DOA allocates these grants through federal funds received via the United States Department of House and Urban Development (HUD).

The CDBG grant had two unique requirements that complicate its application at a remedial action site. First, upon exhaustion of its award, the City is not authorized to construct vertical construction on the Site for a period of 5 years, or until 2028. Second, the City’s award under the CDBG grant was set to sunset and expire by December 31, 2022. Therefore, all City authorized work under the CDBG grant had to be contracted for prior to that date, including work for any interim actions at the Site.

Given this unusual circumstance for an open remedial action site, the City engaged Terracon to assist in the development and implementation of interim actions at the Site. Upon discussing the conceptual approach and limitations created by the CDBG grant with Mr. Trevor Nobile and Mr. Issac Ross of the Wisconsin Department of Natural Resources (WDNR), interim actions were undertaken to address lead identified during site investigation activities. The objective of the interim actions was to conduct specific activities to stage this remedial action site for future redevelopment where regulatory closure would not be contemplated for the immediate future. At the suggestion of Mr. Ross of WDNR, the City is to follow the model of other former industrial sites, including the activities from 2020 to present at the former Reed Street Yards property in Milwaukee, Wisconsin (BRRTS #02-41-560199, FID #341228800).

Prior to considering interim actions, Terracon proposed a site remedy consisting of capping soil containing constituents at concentrations above their industrial, direct-contact residual contaminant levels (RCLs), proposed in a July 11, 2022 document submitted to the WDNR titled *Site Investigation and Remedial Action Options Report*. The WDNR responded in its letter on August 5, 2022 with the suggestion to open a new case number for the Site so it won’t be comingled with the Lorman parcel. Additionally, the WDNR concurred the site investigation was complete based on planning and implementation of remediation activities of the Site. The WDNR also suggests source removal of lead contaminated soil as a remedial strategy. In a September 29, 2022 letter for all three parcels, the WDNR responded with not

approving the proposed remedy of capping and provided specific rationale for the lack of approval.

The City and Terracon requested meetings with the WDNR to consider implementation of activities under the interim action framework at the Site. The City and Terracon undertook activities incorporating WDNR feedback to address direct-contact risk for metals and set the stage for development of the site at a future date. Details of the transaction of the property, CDBG grant funding, and interim action options were discussed on October 25, 2022 and on January 24, 2023 during virtual conference calls with the City, Terracon, WDNR and United States Environmental Protection Agency (USEPA).

The interim actions included in situ treatment, excavation, and off-site disposal of lead-contaminated soil at two areas on the Site to remove the immediate health risk for direct-contact exposure and construction of an interim cap to stage the site for future redevelopment. Soil treatment and excavation activities were completed in January 2023 to remove soil containing lead at the Site at concentrations exceeding 5,000 milligram per kilogram (mg/kg), documented on the site from 2-5 feet. Approximately 286 tons of soil were treated, characterized to verify adequate treatment, excavated, and disposed of at the Waste Management, Inc. Deer Track Park Landfill. Based on observed concentrations at the time of removal, the excavation activities removed approximately 50% of the lead contaminant mass in soil at the Site.

The City intends on addressing unanswered comments from WDNR letter dated September 29, 2022 and any specific comments regarding this interim action report, in a to-be-submitted site investigation report to inform future site investigation activities on the Site. This clarification is important because the City does not intend the interim actions performed to be the final remedy at the site, nor is this report an attempt to comprehensively address all of WDNR's valid technical questions and comments, which require specific attention due consideration.

Given the Site cannot be developed for 5 years, the City is committed to take any necessary actions to stabilize the site and stage the site for consideration for development. WDNR officials indicated that imposition of a continuing obligation related to the temporary capping activities on site may be appropriate as the site is staged for future redevelopment. Once a development plan is identified, remaining remedial actions necessary will be performed as efficiently as possible with the proposed redevelopment.

## 2.0 Introduction

The City of Fort Atkinson (City) retained Terracon Consultants, Inc. (Terracon) to perform a Site Investigation (SI) for the former Loeb-Lorman Scrapyard properties located at 115 Lorman Street, 600 Oak Street, and 205 Hake Street, Fort Atkinson, Wisconsin. The NR

716, Wisconsin Administrative Code (WAC) SI was performed to delineate the extent of impacted soil and groundwater that was identified at the site in July 2021 during a limited site investigation (LSI). On behalf of the City, Terracon completed a Notification for Hazardous Substance Form 4400-225 and submitted it to the Wisconsin Department of Natural Resources (WDNR) in an electronic mail dated September 2, 2021. The WDNR issued a Responsible Party (RP) letter to the City dated September 17, 2021, and a BRRTS activity number of #02-28-588371 was assigned. Initial SI activities were completed in general accordance with Terracon's November 8, 2021 Site Investigation Work Plan (Revised). Subsequent investigation work was completed in response to comments provided by the WDNR in a December 7, 2021 letter. On July 11, 2022, a *Site Investigation and Remedial Action Options Report* was submitted to the WDNR along with a "Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request" (WDNR form 4400-237) and associated fee.

During follow-up telephone conversations with the WDNR and as noted in a WDNR letter dated August 5, 2022, recommendations were made to consider the three parcels as three separate sites, rather than being administered under a single BRRTS number. The BRRTS activity number of #02-28-590228 has been applied to the parcel at 600 Oak Street (the "Site"). The other two parcels located at 115 Lorman Street and 205 Hake Street will be addressed separately in future report submittals.

After the submittal of the July 11, 2022, *Site Investigation and Remedial Action Options Report*, the WDNR issued a letter dated August 5, 2022 which recognized the separation between the 600 Oak Street parcel from the main property at 115 Lorman Street. Within the letter, the WDNR concurred with the site findings that the site investigation was complete. In addition, the WDNR addressed the remedy of using 6" of a crushed concrete/gravel engineered barrier as a remedy for the lead-impacted soil and recommended mass removal would be more appropriate.

Due to the nature of the transfer of the property from the former owner to the City of Fort Atkinson and associated grant funding deadlines, limited time was available to conduct additional investigation prior to development and implementation of a remedy. Completion of interim actions at the site were discussed to meet grant deadlines while addressing direct-contact risk for lead and set the stage for development of the site at a future date. The interim action plan included treatment, excavation, and off-site disposal of lead-contaminated soil at two areas on the site to remove the immediate health risk for direct-contact exposure and for overall mass removal and construction of an interim cap to prepare the site for future redevelopment. Details of the transaction of the property, funding, and interim action options were discussed via October 25, 2022 and January 24, 2023 conference calls with the WDNR and United States Environmental Protection Agency (USEPA). In the virtual conferences with WDNR, the City was not directed to prepare a design report and plans under NR 708.11(4), Wisconsin Administrative Code (WAC) prior to

implementation of activities. The City greatly appreciates the WDNR's willingness to allow implementation interim actions given the constrictions of the CDBG grant.

Terracon evaluated potential interim actions within the framework of allowable immediate actions under NR 708.05, WAC, and specific actions under NR 708.11(2), WAC. From November 2022 through January 2023, interim action options were implemented to remove lead-contaminated soils exceeding the industrial-direct contact RCL. Using spatial distribution software, Terracon used the highest concentration of lead documented at each soil boring to contour the worst-case scenario for lead contaminated soil. Necessary supplemental site investigation activities were completed at the site in September 2022 to refine the limits of excavation and evaluate the presence of lead in surficial soil. To the extent practicable, soils between 2 and 5 feet containing a lead exceeding 5,000 mg/kg, were targeted for the interim action goal of mass removal to minimize the threat to public health, safety, or welfare or the environment consistent with NR 708.11(a), WAC. Terracon proposed achieving this interim action goal by 1) addressing the direct-contact health risk; and 2) achieving mass removal for lead contaminated soils. The 2 feet to 5 feet zone was selected to be removed as concentrations identified in 3 foot and 4 foot samples contained elevated concentrations of lead up to 41,000 milligrams per kilogram (mg/kg) and TCLP lead concentrations above its 5 milligram per liter (mg/L) limit.

In late January 2023, the interim action consisting of in-situ stabilization treatment, soil excavation, , and off-site disposal was conducted. Lead-contaminated soil was excavated from two areas (Areas 1 through 2). Based on the landfill tonnage reports, approximately 286 tons of lead-contaminated source soil was removed. Approximately 50% of lead-contaminated soils have removed.

A temporary cap of crushed concrete/asphalt and up to 3-inches of seeded topsoil will be placed across the site as an interim cap. The cap is proposed as a temporary engineered barrier to limit the exposure risk to the public and promote the site for redevelopment.

This report was prepared to document the interim actions completed at the site, and to outline future actions that will be taken in the short-term and long-term to stabilize the site, stage the site for redevelopment, complete the remedial actions, and prepare the site for regulatory closure. This report was prepared in accordance with NR 708.15, WAC. Terracon notes that NR 708.15 (1) states that an interim action report be submitted as part of the remedial action report or the site investigation report. As noted earlier, a site investigation report was previously submitted to the WDNR. While the WDNR indicated in its August 5, 2022 letter that the site investigation at the Oak Street parcel is complete, suggested revisions from WDNR (September 29, 2022 letter) and updated information are currently being added to the *Site Investigation and Remedial Action Options Report* to create a comprehensive report for review.

### 3.0 Property Location, Description and Site Contacts

The former Loeb-Lorman Scrapyard is located in part of the southwest quarter of the southwest quarter of Section 34, Township 6 North, Range 14 East, City of Fort Atkinson, Jefferson County, Wisconsin (Exhibit 1, Appendix A). The former Loeb-Lorman Scrapyard is comprised of 12.2 acres, at the following coordinates:

- WTM: X=615109, Y=274442
- Latitude/Longitude: 42.93684, -88.83408

The former Loeb-Lorman Scrapyard consists of three parcels.

- 115 Lorman Street (Parcel No. 226-0614-3433-0400). This 8.195-acre parcel was formerly improved with unoccupied buildings located in the central and southern portions of the site. The buildings were demolished in late 2022 and early 2023;
- 600 Oak Street (Parcel No. 226-0614-3433-037). This 1.962-acre parcel currently consists of a vacant lot; and
- 205 Hake Street (Parcel No. 226-0614-3432-007). This 2.032-acre parcel is currently vacant.

The Lorman and Hake parcels are adjoining parcels, with the Oak parcel located to the southwest. The site is bordered to the west by the DB Oak Ltd. Property site (BRRTS #02-28-176509), and residences (Oak Street parcel); to the east by Atlas Mikes Bait (231 Hake Street) and Ralph Park (600 Jefferson Street); and the former The Hoard Printing Company (520 Edward Street- BRRTS #02-28-588171); and Uncle Josh Bait/Acme Tackle Company (525 Jefferson Street- BRRTS #02-28-556416) to the south. The Oak Street parcel is bordered to the north by the DB Oak Ltd. Property site, the Lorman Street parcel is bordered to the north by Atlas Mikes Bait, and the Hake Street parcel is bordered to the north by Opportunities, Inc. (901 Clarence Street). A site diagram illustrating the three parcels comprising the former Loeb-Lorman Scrapyard, adjoining, and nearby properties is provided as Exhibit 2, Appendix A. As noted earlier, for this report, the site will be viewed as the 600 Oak Street parcel only.

Contact information for the site is as follows:

Responsible Party: City of Fort Atkinson  
c/o Andy Selle, P.E.  
101 North Main Street  
Fort Atkinson, Wisconsin 53538  
ASelle@fortatkinsonwi.net

Property Owner: City of Fort Atkinson  
c/o Andy Selle, P.E.  
101 North Main Street  
Fort Atkinson, Wisconsin 53538  
[ASelle@fortatkinsonwi.net](mailto:ASelle@fortatkinsonwi.net)

Environmental Consultant: Edmund A. Buc, P.E.  
Terracon Consultants, Inc.  
9856 South 57th Street  
Franklin, Wisconsin 53213  
(414) 423-0255  
Edmund.Buc@terracon.com

## 4.0 Project Background

### 4.1 Phase I Environmental Site Investigation Report

A Phase I Environmental Site Assessment (ESA) was completed for the former Loeb-Lorman Scrapyard on behalf of the City. Based on the January 21, 2021 Phase I ESA report, the following recognized environmental conditions (RECs) were identified for the Oak Street Parcel:

- “From sometime between 1940 and 1955 through 2015, the 115 Lorman Street parcel was utilized as a scrapyard. Aerial photographs indicate that vehicles were accepted in the 1950s and 1960s. More recently, the scrapyard accepted steel, brass, copper, and related metals, as well as lead-acid batteries. One or more fires requiring fire department response and/or causing building damage occurred during the period of scrapyard activities. In recent years, oily scrap was stored outdoors on concrete pads draining to oil/water separators and used batteries were stored indoors on pallets; however, limited information concerning storage practices prior to the 2000s is available. Most scrap storage areas are unpaved. Industrial equipment using hydraulic oil reservoirs was historically present on the parcel, with on-site fueling activities. Outdoor storage of scrap luggers and related materials expanded to the 205 Hake Street parcel in the 1970s and to the 600 Oak Street parcel in the 2000s. Potential releases associated with scrapyard activities may have impacted the subject property via soil, groundwater, and/or vapor.”
- “The 600 Oak Street parcel was utilized for a coal shed beginning as early as 1924 through sometime between 1930 and 1947. Aerial photographs from the period between 1937 through the 1960s depict the parcel with outdoor coal storage.



Potential releases associated with historical coal storage may have impacted the subject property via soil, groundwater, and/or vapor.”

- “The 600 Oak Street parcel includes a narrow strip between the adjacent 624 Oak Street parcel and the railroad. The property at 624 Oak Street was identified as a bulk petroleum station, with five vertical ASTs present from 1937 or earlier through 1963/1964. Based on the locations of the ASTs relative to the railroad right-of-way, bulk loading/unloading from railcars may have occurred on the northern section of the 600 Oak Street parcel. Historical releases associated with the bulk petroleum station may have impacted the subject property via soil, groundwater, and/or vapor.”
- “The DB Oak Ltd. Property site (BRRTS #02-28-176509) is an open Environmental Repair Program (ERP) site and a former large quantity generator (LQG, generates 1,000 kg or more of hazardous waste) of ignitable waste located at 700 Oak Street, adjoining the subject property to the north and west. Sanborn fire insurance maps indicate that the site may have also been a plating site.” “The ERP case was opened in May 1995 to address impacts associated with a former 10,000-gallon PCE AST. The AST was located roughly 100 feet to the west of the 205 Hake Street parcel. Soil and surface water sampling results indicated that CVOCs released along the east side of the site building were being conveyed through a drainage swale running along the eastern edge of the site.” Investigation activities for this ERP case suggest groundwater contamination may be migrating onto the site.”

The Phase I ESA findings were presented in the AAI Phase I Environmental Site Assessment, prepared by the Sigma Group, dated January 2021. The Phase I ESA recommended subsurface investigation to evaluate the above-referenced RECs.

## 4.2 Limited Site Investigation (2021)

Terracon was retained by the City to conduct a limited site investigation (LSI) to evaluate the RECs identified in the Phase I ESA. Field activities were conducted from July 15-16, 2021, to evaluate the subsurface conditions. Seventeen (17) direct-push soil borings (P-1 through P-17) were advanced on the three parcels to depths up to 20 feet below ground surface (bgs) and converted to temporary groundwater monitoring wells. The borings were placed at locations determined to have the highest potential for impact from the identified RECs on the three parcels:

- Borings P-1 through P-4: These borings were located along the west side of the Lorman Street and Hake Street parcels, to evaluate the potential for the migration of contaminants from the DB Oak Ltd. Property site to the west, the potential presence of contaminants from onsite scrapyard operations and historic fill, and from a UST formerly located in the area of boring P-4. Boring P-2 was located near a fluid

collection sump associated with a former storage pad, identified on an October 1999 “Storm Water Pollution Prevention Plan”.

- Boring P-5: This boring was located in the northwest corner of the Hake Street parcel, to evaluate the potential for the migration of contaminants from the former 10,000-gallon tetrachloroethene (PCE) AST that was located to the west on the DB Oak Ltd. Property site, and the potential presence of contaminants from onsite scrapyard operations and historic fill.
- Boring P-6: This boring was located on the south side of the Lorman Street parcel, to evaluate soil and groundwater conditions associated with the closed onsite LUST case, and the potential presence of contaminants from onsite scrapyard operations and historic fill.
- Borings P-7 and P-8: These borings were located on the Oak Street parcel, to evaluate the potential for the migration of contaminants from the former petroleum bulk plant that had been located to the north, and the potential presence of contaminants from the former coal pile operations, onsite scrapyard operations, and historic fill.
- Boring P-9: This boring was located in the northeast corner of the Lorman Street parcel, to evaluate the potential for the migration of contaminants from the former automobile operations at the Hake Street parcel, and the potential presence of contaminants from the former auto storage area, onsite scrapyard operations, and historic fill.
- Boring P-10: This boring was located in the eastern portion of the Hake Street parcel, to evaluate the potential presence of contaminants from the fill pile.
- Borings P-11 through P-13: These borings were located adjacent to buildings on the Lorman Street parcel to evaluate former scrapyard operations, including the used oil and antifreeze storage area in the eastern building, near the hydraulic shear, and at the east bailer house. Boring P-12 was located near a feature identified on historic site plans as “oily water collection and separation system”.
- Borings P-14 through P-17: These borings were located across the Lorman Street parcel to evaluate the potential presence of contaminants from onsite scrapyard operations and historic fill. Boring P-14 was located down-gradient of a former storage pad and fluid collection sump/oil-water separator. Boring P-15 was located in an area of a former tank, fluid collection sump, and oil-water separator.

#### 4.2.1 Soil Analytical Results – Oak Parcel

Several volatile organic compounds (VOCs) were detected at concentrations above their respective soil-to-groundwater pathway RCLs including benzene, methylene chloride, PCE, and trichloroethene (TCE). VOCs were not detected at concentrations above their respective non-industrial, direct-contact RCLs.

Diesel range organics (DRO) was detected at concentrations above its analytical limit of detection (LOD) in 3 of the 4 samples analyzed. Several polycyclic aromatic hydrocarbons (PAHs) were detected within soil samples across the site at concentrations exceeding either their non-industrial, direct-contact RCL or soil-to-groundwater pathway RCL. PAHs were not detected at concentrations exceeding their respective industrial, direct-contact RCLs.

Several metals including arsenic, cadmium, lead, silver, and mercury were detected at concentrations exceeding either their soil-to-groundwater pathway RCLs or non-industrial, direct-contact RCLs at several boring locations. Arsenic, lead and mercury were detected within a few samples at concentrations above their respective industrial, direct-contact RCL.

PCBs were not detected at concentrations above analytical LODs.

#### 4.2.2 Groundwater Analytical Results – Oak Parcel

PCE and TCE were the VOCs detected at concentrations exceeding NR 140, WAC standards at temporary wells installed on the Oak Street parcel. PCE was detected at concentrations exceeding its PAL in temporary groundwater monitoring well P-7. TCE was detected at concentrations exceeding its PAL at temporary groundwater monitoring wells P-7 and P-8.

### 4.3 Site Investigation (2021-2022)

The LSI identified the presence of constituents of concern (COCs) in soil and groundwater on the Oak Street parcel (and the other two parcels) at concentrations above their regulatory limits. In general, COCs appeared to be present across widespread areas of each of the parcels, suggesting a combination of areawide contamination over time from historical operations and the sitewide presence of fill material that may have been contaminated prior to placement (i.e., presence of cinders/slag). The LSI results did not suggest the presence of point sources from a specific historical operation or equipment.

VOCs were detected in soil samples from all three parcels at concentrations above their soil to groundwater pathway RCLs. VOCs on the Hake Street parcel appear to be associated with the off-site DB Oak Ltd. Property to the west, which had been identified as a REC by the Phase I ESA. Chlorinated volatile organic compounds (CVOCs), including PCE and TCE were detected at concentrations exceeding their respective ESs at temporary groundwater monitoring wells P-1 and P-3. The breakdown daughter products of PCE and TCE, cis-1,2-

DCE (P-5) and vinyl chloride (VC) were detected at concentrations above their respective ESs at temporary groundwater monitoring wells P-1, P-2, P-3, P-5, P-6, P-11, P-12, and P-14. The CVOCs in groundwater also appears to be attributable to the DB Oak Ltd. Property.

The LSI procedures/findings are presented in Terracon's *Limited Site Investigation Report*, dated September 10, 2021. On September 2, 2021, Terracon submitted analytical results to the WDNR along with Hazardous Discharge Notification Form 4400-225. On September 17, 2021, the WDNR responded to the notification by opening an environmental repair program (ERP) case for the property with BRRTS# 02-28-588371, which is now only associated with the 115 Lorman Street Parcel.

Terracon submitted a Site Investigation Work Plan (Revised) dated November 8, 2021 to further evaluate conditions at the three parcels. Based on the LSI, lead soil contamination on the Site was the one of the major components driving site investigation scoping.

From November 2021 through April 2022, site investigation activities were conducted at the site, including advancement of soil borings and the installation/sampling of groundwater monitoring wells. The phased approach to the subsurface investigation included advancing 19 direct-push soil borings (MW-6, P-8A, GP-11 through GP-14, B-13 through B-19, and DP-7 through DP-12), and constructing one NR 141, WAC-compliant groundwater monitoring wells (MW-1). Site features, soil borings, and the groundwater monitoring well location are presented on Exhibit 2, Appendix A.

Each of the 19 soil borings (MW-6, P-8A, GP-11 through GP-14, B-13 through B-19, and DP-7 through DP-12) were advanced across the site to delineate lead-contaminated soil identified during the LSI. Groundwater monitoring well MW-6 was installed to evaluate groundwater conditions across the site due to the potential chlorinated-impacted groundwater associated with the DB Oak Property to the north and possible metal impacts from the site.

The media affected on the Oak Street parcel includes soil and groundwater. Soil contamination consists of VOCs, PAHs, and lead. Based on the absence of a point source REC, it's likely the soil contamination is related to the fill material. The SI results support the observation that the source of lead being attributed to fill material; of the 77 soil samples collected at all three parcels, including 47 at the Oak Street parcel, 9 soil samples exceed the industrial, direct-contact RCL of 800 mg/kg. Each of the 9 soil samples exceeding the industrial, direct-contact RCL were only on the Oak Parcel. Soil results for VOCs, PAHs, and lead are displayed on Exhibits 3 through 5, Appendix A.

CVOC groundwater contamination on the site is likely attributed to the offsite DB Oak Ltd. Property, which is located hydraulically up-gradient, as the highest concentrations of CVOCs are documented along the north-central portion of the site (MW-6). The on-site exceedances of CVOCs consists of TCE and VC. Metals were not detected at concentrations above NR 140 standards.

#### 4.4 Remedial/Interim Action Alternatives Evaluation and Review

Terracon, on behalf of the City, identified potential interim action options (IAO) for each affected media, based on the soil and groundwater contamination identified. Each potential IAO was evaluated in accordance with NR 708.05 and NR 708.11, WAC. Each IAO was also evaluated with consideration of technical feasibility (i.e., Short/Long-Term Effectiveness, Implementability, Reasonable Time Frame and Economic Feasibility) as those concepts will be implemented into the final remedial action under NR 722.07, WAC.

Consistent with NR 708.05 and NR 722.07(1), WAC, two potential IAOs were identified for soil as an appropriate range of options: 1) excavation and off-site disposal in accordance with NR 708.05(4)(h) and NR 708.11(2)-(3) and 2) in-place management through the use of temporary engineered control consistent (e.g., capping) consistent with NR 708.11(2)(d).

In an August 5, 2022 letter, the WDNR responded to the report submittal with comments discussing that the remedial actions should include mass removal of soil contamination. WDNR also noted that the proposed remedy was not approved because lead within the soil will not degrade over time. The WDNR recommend reevaluation of excavation and off-site disposal and a remedy to meet the restoration requirements in conjunction with engineering controls.

Conference calls with the WDNR, USEPA, and other project stakeholders took place on October 25, 2022 and January 24, 2023 to discuss the site investigation, remedy, and funding status. Based on additional discussions with the City and former owner, a strategy was developed. Due to the aforementioned CDBG grant funding deadlines, limited time was available to conduct additional investigation prior to development and implementation of a remedy. Lastly, the property transfer agreement stipulated the site could not be developed for 5 years, limiting the parties' ability to implement a final remedy in conjunction with development. Completion of interim actions at the site were discussed to utilize CDBG grant funds while addressing direct-contact risk for lead and set the stage for development of the site at a future date. The interim action plan included excavation and off-site disposal of lead-contaminated soil at two areas on the property to remove the immediate health risk for direct-contact exposure and construction of an interim cap to prepare the site for future redevelopment. Soil excavation and disposal would also address the WDNR's comments regarding site restoration. An interim action was developed that would include 1) treatment of lead-contaminated soils above the TCLP limits of 5 mg/L; and 2) removal of lead-contaminated soil exceeding a site goal 5,000 mg/kg which was determined by mass calculations.

## 5.0 Interim Action Activities

### 5.1 Interim Action Preparation Sampling Activities and Calculations

Terracon evaluated the need for conducting interim actions under NR 708.05, WAC and NR 708.11 (2)-(3), WAC. Based on the goal to remove lead-contaminated soil mass, additional investigation activities were needed to delineate lead-contaminated soil. The City requested Terracon advance several borings across the site to determine the limits of the excavation. Twelve soil borings (SB-1 through SB-12) were advanced surrounding the identified lead impacts.

The interim actions were identified as warranted and intended to minimize a threat to public health, safety, or welfare or the environment consistent with NR 708.11(1)(a), WAC, to reduce the mass of lead contaminants in the soil.

On September 6, 2022, twelve (12) soil borings (SB-1 through SB-12) were advanced with a drill rig capable of collecting soil samples using direct-push methods. Soil samples were collected continuously using a 5-foot long, 2-inch diameter core barrel sampler that was equipped with disposable polyvinyl chloride (PVC) liners. The soil characteristics (stratigraphy, color, and odors) and pavement thickness (if applicable) in each boring were noted on the soil boring logs. Soil borings SB-1 through SB-12 were advanced to approximately 10-foot bgs to delineate the extent and magnitude of lead impacts across the site. In addition, a portable X-ray fluorescence (XRF) device was used as a screening tool to help delineate lead impacts vertically.

Soil samples were collected at 1-foot intervals within plastic bags and screened with the XRF device. Elevated concentrations were jarred and sent to the laboratory for lead analysis. In addition, sampling above and below the impacts were analyzed for lead to assist in defining the vertical and horizontal impacts. Soil samples were collected in laboratory-supplied containers, placed in an ice chest to cool to approximately four degrees Celsius (4°C), and transported under chain-of-custody protocol to Pace Analytical Laboratory, Inc. of Green Bay, Wisconsin for analysis. Based on the soil results from SB-6 and SB-9, soil samples collected from soil boring location SB-11 were not analyzed. The approximate locations of the borings are depicted on Exhibit 5, Appendix A.

Following the completion of soil sample collection, the borings were abandoned in accordance with NR 141, WAC. Soil boring logs and Borehole abandonment forms are included in Appendix C.

## 5.2 Interim Action Design Sampling Results

Lead was detected within one or more soil samples analyzed from each soil borings. Soil boring locations SB-6, SB-9, SB-10, SB-12 each contained one or more soil samples with lead exceeding its soil-to-groundwater pathway RCL but below its non-industrial, direct-contact RCL. Industrial, direct-contact exceedances were documented within soil collected from the 3 and 4 feet bgs sampling intervals. Soil samples collected from 1-foot, 2-feet, and 7-feet bgs, did not contain lead concentrations exceeding industrial direct-contact RCLs. Concentrations from the 3-4 foot soil samples from soil borings SB-1 through SB-5, and SB-7 ranged from 875 mg/kg up to 2,140 mg/kg. The 4-foot sample collected from soil boring location SB-8 contained lead at a concentration of 41,300 mg/kg.

Spatial distribution of soil results for metals within soil is displayed on Exhibit 5, Appendix A. Tabulated results of metals is shown in Table 3, Appendix B. Laboratory reports and chain-of-custody forms for the soil samples analyzed are attached in Appendix E.

Based on the above-described results, the project stakeholders agreed to modify the initially proposed capping remedy and conduct targeted source removal. Mass removal calculations were used to evaluate total lead mass removal and overall soil removal. The mass calculations were completed to evaluate the economic feasibility as soil treatment would be needed for the soil to be disposed as non-hazardous soil. Based on average square footage and average lead concentrations across the site, approximately 11,300 pounds of lead was calculated to be within the Site. Using spatial distribution software, a 1,000 mg/kg contour line (represents lead slightly above its industrial, direct-contact RCL), a 3,000 mg/kg contour line, and a 5,000 mg/kg contour line were drawn on the site. These three areas were evaluated and tonnage of soil to be treated/disposal costs were compared to the overall mass removal. The calculations revealed the following:

- Removal of lead-impacted soil to 1,000 mg/kg: Approximately 3,020 tons of soil would be excavated, treated, and disposed. This method would remove approximately 92% of the lead mass on the site.
- Removal of lead-impacted soil to 3,000 mg/kg: Approximately 595 tons of soil would be excavated, treated, and disposed. This method would remove approximately 73% of the lead mass on the site.
- Removal of lead-impacted soil to 5,000 mg/kg: Approximately 382 tons of soil would be excavated, treated, and disposed. This method would remove approximately 60% of the lead mass on the site.

The tonnages listed above assumed excavations from 0 to 4 feet bgs, to address potential direct contact risk. Further analysis indicated the surficial soil from 0 to 2 feet bgs did not contain lead at concentrations above its industrial, direct-contact RCL.



Two areas of lead-contaminated soils exceeding 5,000 mg/kg were identified. Area 1, located surrounding soil borings SB-8, DP-10 and DP-8, had an area of approximately 1,680 square feet. Area 2, located around soil boring P-8, had an area of approximately 100 square feet. Based on the potential direct-contact health risk located between 0-4 feet below grade, each of these areas were proposed to be excavated to 5 feet bgs to remove the direct-contact risk and remove a majority of the lead contaminate mass identified between 3 and 4 feet bgs. Since soil analyzed from 0-2 feet did not contain impacts exceeding the industrial, direct-contact RCL, the City opted to reuse the soil from 0 to 2 feet bgs as backfill post-excavation.

### 5.3 Waste Characterization and Disposal Sampling

A waste determination was completed to evaluate how the lead soil contamination should be managed. Several samples analyzed from soil boring location P-8A with concentrations of lead ranging from 300 mg/kg up to 14,900 mg/kg, contained lead exceeding the TCLP limit of 5 mg/L. As such, in order to dispose of soil within these areas, the soil would either have to be 1) managed as hazardous material; or 3) treated with a stabilization agent and managed as non-hazardous soil if analysis is below the TCLP limit of 5.0 mg/L. A landfill characterization sample was collected near soil boring location SB-8, which contained the highest metals concentration identified at the time in shallow soil. Waste characterization sample "Oak Profile" was analyzed for VOCs, PAHs, RCRA 8 metals, TCLP lead, and PCBs. The laboratory report and associated chain of custody form for the "Oak Profile" sample are included in Appendix E.

The "Oak Profile" sample and analytical results for soil boring samples collected from SB-8 and P-8A were included within a waste profile and submitted to Waste Management, Inc. (WMI) for consideration for non-hazardous disposal at their Deer Track Park Landfill located in Watertown, WI. WMI tentatively approved the non-hazardous disposal of the lead-contaminated soils under profile number 138450WI, as they required confirmation that the in-situ soil stabilization was successfully reducing the concentrations of leachable lead in the treated material. WMI requested that one soil sample be collected for every 200 tons of treated material and analyzed for TCLP lead. Each laboratory report was provided to WMI with a profile amendment for final approval. .

### 5.4 Lead-impacted Soil Stabilization Activities

The City retained Edgerton Contractors, Inc. to apply stabilizing agent to the lead-impacted soils, excavate and load contaminated soil, and haul the soil to the project landfill. On January 10, 2023, Terracon supervised the stabilization activities for the lead-contaminated

Photograph (above) showing lead stabilization activities at Area 1. Photograph facing northeast.



soil proposed to be excavated and hauled to a landfill for non-hazardous disposal. Prior to stabilization, the City staked out each of the two areas using GPS coordinates along the 5,000 mg/kg contour interval provided by Terracon. Soil excavated from 0-2 feet bgs was stockpiled adjacent to the excavation areas for reuse as backfill. After removal of the soil



Photograph of stabilization activities for elevated lead detected in the soil. Photograph facing northeast.

from 0-2 feet bgs, Edgerton applied Blastox<sup>®</sup> 215 (Blastox) to stabilize TCLP lead within the soil. The lead-contaminated soils and Blastox were mixed at an approximate 3% ratio. Once mixing of the Blastox material was completed, two composite samples were collected from Area 1 (south) and Area 2 (north) and submitted to the laboratory for analysis of total lead and TCLP lead. Both of the composite samples were below the TCLP limit of 5.0 mg/L and sample results were submitted to WMI along with a profile addendum for approval. WMI approved the soil to be disposed as non-hazardous soil.

## 5.5 Excavation and Disposal

Terracon evaluated excavation and disposal activities available under NR 708.11, WAC. On January 23, 2023, Terracon supervised excavation of Area 1 and Area 2 within the proposed excavation limits based on the 5,000 mg/kg contour calculated from the previously collected soil samples. The excavation limits were previously set as the soil was treated in-situ with the Blastox stabilizing agent two weeks prior.

Area 1 was excavated between 2-5 feet bgs throughout its entire area. Area 1 targeted removal of soil associated with 3 soil samples which contained concentrations of lead ranging between 3,460 mg/kg and 41,300 mg/kg. The excavation area consisted of a roughly square shape which was approximately 48 feet long and 35 feet wide. Area 1 was approximately 1,680 square feet.

Area 2 was excavated between 2-5 feet bgs throughout its entire area. Area 1 targeted removal of soil associated with 2 soil samples which contained concentrations of lead ranging between 2,940 mg/kg and 6,100 mg/kg. The excavation area consisted of a square shape which was approximately 10 feet long and 10 feet wide. Area 2 was approximately 100 square feet.

Quad-axle dump trucks were utilized by the excavation subcontractor (Edgerton) to haul the lead-impacted soil to the Deer Track Park Landfill located in Watertown, Wisconsin. In total, 18 truckloads averaging 16 tons of soil per load, were hauled to the landfill for disposal. The tonnage report from the landfill documented approximately 286 tons of lead-impacted soil

was hauled and disposed. Excavation locations and extents for Area 1 and Area 2 are shown on Exhibit 6, Appendix A. Photographs documenting excavation activities can be found in Appendix C. Disposal Documentation for load counts, tickets and total tonnage is attached in Appendix E.

## 5.6 Confirmation Sidewall and Base Sampling

Terracon generally collected discrete samples from approximately every 10-20 horizontal feet of sidewall. At each sidewall location, samples were collected at 4 feet below grade, which represents the midpoint of the contaminated soil column (3-5 feet bgs). Additionally, the most impacted samples from the previous sampling activities were collected between 3 and 4 feet bgs. Base samples were taken approximately every 100-400 square feet. For Area 1, a total of 10 sidewall samples were collected (O1SW-1 through O1SW-10), and 5 base samples (O1B-1 through O1B-5) were collected. For Area 2, a total of 4 sidewall samples were collected (O2SW-1 through O2SW-10), and 1 base sample (O2B-1) were collected. Each of the soil samples collected from Area 1 and Area 2 were submitted to the Pace Analytical in Green Bay, Wisconsin, for analysis of lead. The locations of the sidewall and base samples are presented on Exhibit 6, Appendix A.

## 5.7 Site Restoration Activities

Temporary engineering controls were implemented consistent with NR 708.11(2)(d), WAC. During demolition of the site and razing of building for the Lorman Street parcel, concrete foundations and roads were crushed, and the crushed concrete was stockpiled in the central portions of the site. Backfilling operations were initiated on January 23, 2023, after excavation and sampling was completed. The base of each excavation was backfilled with a coarser rock material (1"-3"). Once the base of the excavation was filled in with approximately 1-foot of rock, the crushed concrete from the Lorman Parcel was hauled from the stockpile using a dump truck. Additionally, the 0-2 feet of soil which was not disposed was used as backfill. The soil and crushed concrete was placed in the excavation pit in 1 to 2-foot lifts and compacted using a combination of a backhoe and sheepsfoot roller. The total quantity of backfill material used across Area 1 and Area 2 was estimated by a 1.25 conversion factor. Using this factor, approximately 357.5 tons of rock, soil and crushed concrete was used to backfill the excavation areas.

## 6.0 Results and Discussion

### 6.1 Soil Sampling Results

Ten (10) soil sidewall samples were collected at Area 1, and 4 of the 10 samples contained lead at concentrations above the soil-to-groundwater pathway RCL. Two (2) sidewall samples contained lead with an industrial, direct-contact RCL exceedance located on the northeastern and northwestern portions of the excavation. Of these two industrial exceedances, concentrations ranged between 1,470 mg/kg and 3,340 mg/kg. Six (6) of the sidewall samples collected from the southern half of the excavation did not contain lead at concentrations above an RCL. Each of five base sample did not contained lead at concentrations exceeding an RCL. Sidewall and base results are displayed on Exhibit 6 for Area 1 and results are tabulated in Table 6.

Four (4) soil sidewall samples were collected at Area 2 and each of the 4 sidewall samples contained lead with an industrial, direct-contact RCL exceedance for lead. Concentrations of the sidewall samples ranged from 2,070 mg/kg for the northern sidewall up to 26,700 mg/kg for the southern sidewall. The single base sample collected did not contain lead at concentrations exceeding an RCL. Area 2 sidewall and base sample results and locations are shown on Exhibit 6, Appendix A and tabulated results are presented in Table 6, Appendix B.

### 6.2 Interim Action Mass Removal

As noted earlier, 5,000 mg/kg was used as a site goal to remove the most mass economically due to the need to apply a stabilizing agent for disposal and the cost for excavation and disposal. The goal overall for the interim action were to remove lead contaminant mass and protect the direct-contact health risk for the public immediately through uses of an engineered barrier. Terracon estimated the mass of lead removed, and the mass remaining. Polygons were generated for excavation Area 1 and Area 2. Polygon count for mass removed was equal to the number of areas and concentrations were averaged based on the soil borings located within the polygon. Polygons were then used to calculate total mass of soil, average concentration of total lead, and total mass of lead removed and remaining. Calculations are shown in attached Tables 7 and 8, Appendix B.

Prior to excavation for Area 1, 3 soil samples contained a lead concentration exceeding the industrial, direct-contact RCL which included SB-8 (4), DP-8 (3), and DP-10 (3). These soil samples were used to calculate an average concentration (11,450 mg/kg) of lead for Area 1. Polygons were used to approximate soil mass removed from Area 1 and the lead-contaminant mass was calculated to be approximately 6,186 pounds. Each of the three samples containing lead concentrations above the industrial, direct-contact limit and exceeding 5,000 mg/kg were removed through the excavation. Several sidewall samples on

the southern portion of the excavation (O1SW-1, O1SW2, O1SW-7 through O1SW-10) and base sample (O1B-1 through O1B-5) contained concentrations of lead below its background threshold value. Two samples locations on the northwestern (O1SW-3) and northeastern (O1SW-6) contained lead concentrations exceeding the industrial, direct-contact RCL.

Prior to excavation for Area 2, 1 soil sample contained a lead concentration exceeding the industrial, direct-contact RCL which was P-8 (4) with a concentration of 6,100 mg/kg. A square polygon were used to approximate soil mass removed from Area 2 and the lead-contaminant mass was calculated to be approximately 196 pounds. While the P-8 (4) sample was removed through excavation, each of the four sidewall samples analyzed contained samples contained lead at concentrations above the industrial, direct-contact RCLs. Concentrations of the sidewalls ranged from 2,070 mg/kg up to 26,700 mg/kg. The base sample (O2B-1) collected and analyzed for lead contained a lead concentration (29.1 mg/kg) below its RCLs.

Overall, approximately 6,382 pounds of lead contaminant mass was removed through the excavation of Area 1 and Area 2. Based on polygons around the site, which include the new sidewall data from Area 1 and Area 2, approximately 6,398 pounds of lead remains across the site. Based on mass removed and remaining estimates, approximately 50% of the total lead mass was removed through the excavation of 285 tons of contaminated soil. Mass removed and remaining calculations are shown on Tables 7 and 8, Appendix B.

### 6.3 Residual Soil Contamination - PCBs

The excavation activities removed approximately 50% of the lead contaminant mass in soil across the site. However, as the site is zoned as industrial, the site must also be remediated to address industrial direct-contact RCL exceedances. Post-excavation, soil samples containing lead with concentrations exceeding its industrial, direct-contact RCL exist across the site.

Prior to the excavation, lead exceeding the industrial, direct-contact RCL existed across the central and northeastern portions of the site. Soil borings P-8, P-8A, DP-8, DP-10, and SB-8 contained soil samples with lead exceeding the industrial, direct-contact RCL at 3-4 feet bgs. Post-excavation, the exceedances of lead at 3-4 feet bgs from these soils boring have been removed. Two sidewall samples on the northern portions of Area 1 shows lead above the industrial, direct-contact RCL remains in the central portions of the site. Additionally, each of the four sidewall samples analyzed from Area 2 contained lead at concentrations exceeding the industrial, direct-contact RCL. In general, industrial, direct-contact issue remains in the central to northeastern portions of the site, although the mass of lead present on the site has been greatly reduced.

## 7.0 Future Actions

Based on the sidewall and base sample results, the interim action was successful at reducing mass lead in soil at the site. As noted above, lead remains on the site at concentrations above the industrial, direct-contact RCLs. Based on comments from the WDNR, the site investigation is complete.

In preparation of this report, Terracon reviewed a *Remedial Action Plan (RAP)*, submitted to the WDNR on May 27, 2013 (BRRTS #03-41-421191, 02-41-560192, 02-41-560197, 02-41-560199, 02-41-234108, 02-41-560195). The RAP was submitted for a remedial action site in a similar situation to the Former Loeb-Lorman Scrapyard site. The RAP proposed several strategies that would be implemented at the time of development, although, a development plan had not been designed.

Due to the nature of the aforementioned CDBG grant funding deadlines, limited time was available to develop and implement a remedy. The interim actions at the site were completed to meet CDBG grant deadlines while addressing direct-contact risk for lead and set the stage for development of the site at a future date. As previously noted, the site cannot be developed for 5 years. In the short-term, the City will complete actions to stabilize the site and stage the site for consideration for development. Once a development plan is identified, the plan will be reviewed in conjunction with site conditions to complete additional investigation (if needed), identify remedial actions, and develop a strategy for integrating the remedy and development plan. The following sections present actions that will be taken in the short-term and long-term to complete remedial actions and prepare the site for regulatory closure.

### 7.1 Short-Term Actions

In the next 3-6 months from the submittal of this report, the City will continue implementing certain temporary engineering controls as an interim action to protect the public from the direct-contact risk associated with the remaining lead and stage the site for redevelopment. As fencing has been removed, implementing an interim cap/engineering control will lower potential direct-contact risk. The short-term action implemented post-excavation is not the final remedy but rather an interim action contemplated by NR 708.11(2)(d), WAC, until the site is redeveloped in the future.

#### 7.1.1 Site Grading and Engineering Control Construction

Similar to the backfill material recently placed into the interim action excavations, an interim site cap consisting of crushed concrete will be placed over the soil at the site containing lead above their industrial, direct-contact RCL. In general, this cap will be implemented for the area extending across the north and central portions of the site. In the

next 3 months, the City will add additional cover material consisting of fine-grained soil from a local source to the soil areas with industrial, direct-contact RCL exceedances. In conjunction with the cap implementation, clean imported fill material will be graded across the site to direct stormwater drainage and reduce pooling and infiltration on the site. Additionally, approximately 3-inches of topsoil will be placed across the entire site and seeded. The topsoil will act as a temporary erosion and dust control to further reduce potential human exposure risk to subsurface soil and stabilize the site. Approximate cap location for the engineered barrier is shown on Exhibit 8, Appendix B.

### 7.1.2 Cap Inspection and Maintenance Plan



Photograph (above) showing backfilled excavation Area 1. Photograph facing northeast.

Once the site grading and interim cap implementation is completed, a cap maintenance and inspection plan will be implemented. If the WDNR plans to apply continuing obligations to the site after submission of this report, a formal cap maintenance inspection plan along with figures displaying the limits of the engineering controls. Inspections will be conducted in the spring (after snow has melted) and fall (after vegetation dormancy), and repairs to the cap made as needed. Photographs will be added to the inspection plan after each inspection. Documentation of each inspection and any repairs will be logged to satisfy continuing obligations if placed on the site by the WDNR.

## 7.2 Long Term Actions

Within the next 5 years, the City plans to identify a site developer and create a development plan for the property. Prior to redevelopment, additional site investigation will be conducted if needed to provide data to integrate a comprehensive site remedy with the development. While a development plan has not yet been prepared, it is Terracon's experience that remedies implemented with development utilize one or more of the following elements:

- **Materials Management:** It is likely during future redevelopment of the site that soil will be disturbed, which may contain metals, VOCs and/or PAHs exceeding their respective direct-contact and/or soil-to-groundwater RCLs. While it may be possible to reuse some of the excavated soil on-site, there is usually insufficient room to manage all soil. In addition, the excavated soil may contain VOCs or exhibit poor engineering properties that preclude its reuse onsite. Prior to future redevelopment, a materials management plan will be generated to guide soil and water management activities during redevelopment and provide contingency plans when contaminated



soil is encountered. Excess soil, soil containing VOCs, and soil exhibiting poor engineering properties will require off-site disposal at a licensed landfill. Soil management will be evaluated using a cut/fill diagram prepared by the developer to estimate the quantity of soil to be disturbed and its location relative to the extent of contaminants. If soil is identified for potential reuse, an exemption request will be submitted to the WDNR in accordance with NR 718, WAC. Off-site disposal during future redevelopment will continue to remove source soil from the property.

- Engineer Barriers: Additionally, it is likely the redevelopment plan will include the installation of impervious surfaces such as a building foundation or pavement surfaces. These surfaces will replace the interim cap and serve as a final cap to limit direct-contact risk. An updated cap maintenance plan will be prepared for the final cap.
- Natural Attention: As indicated earlier, groundwater impacts are present at the site which include several chlorinated VOCs such as PCE, TCE and vinyl chloride. Chlorinated VOCs were detected within groundwater monitoring well MW-6. Terracon, on behalf of the City, is in the process of preparing an offsite liability exemption for the chlorinated VOCs documented on the site. Based on groundwater flow direction, the source of the chlorinated VOCs is likely up-gradient from the DB Oak Ltd. Property adjacent to the north. Natural attenuation should be sufficient to address the groundwater contamination while a remedial action plan is developed by the adjoining property owner.
- Vapor Mitigation: Although the chlorinated VOCs within the groundwater may be from an offsite source, the VOCs may pose a vapor intrusion risk to the future development. The potential for vapor intrusion will be evaluated at the time a redevelopment plan is created. Due to soils and groundwater containing chlorinated VOCs, a vapor mitigation system may be required as part of the redevelopment.

## 8.0 Scope and Report Limitations

The findings, conclusions, and recommendations presented in this report are based solely upon the data and information obtained and reviewed through the agreed-on scope of services as outlined herein and in previous documents. Such information is subject to change over time and Terracon cannot represent any site conditions beyond those specifically identified through Terracon's Scope of Services. Terracon makes no warranties, express or implied, with regard to professional services, associated findings, or any third-party information used in connection with this project. These limitations must be considered when the user of this report formulates opinions as to risks in connection with the site or uses the report for any other purpose.

This report is prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted environmental engineering practices. No warranties, express or implied are intended or made. In the event any changes in the nature or location of suspected sources of contamination as outlined in this report are observed, the conclusions and recommendations contained in this report shall not be valid unless these changes are reviewed, and the opinions of this report are modified or verified in writing by Terracon.



## 9.0 Certifications

I, Edmund A. Buc, P.E., hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

\_\_\_\_\_  
E-32096

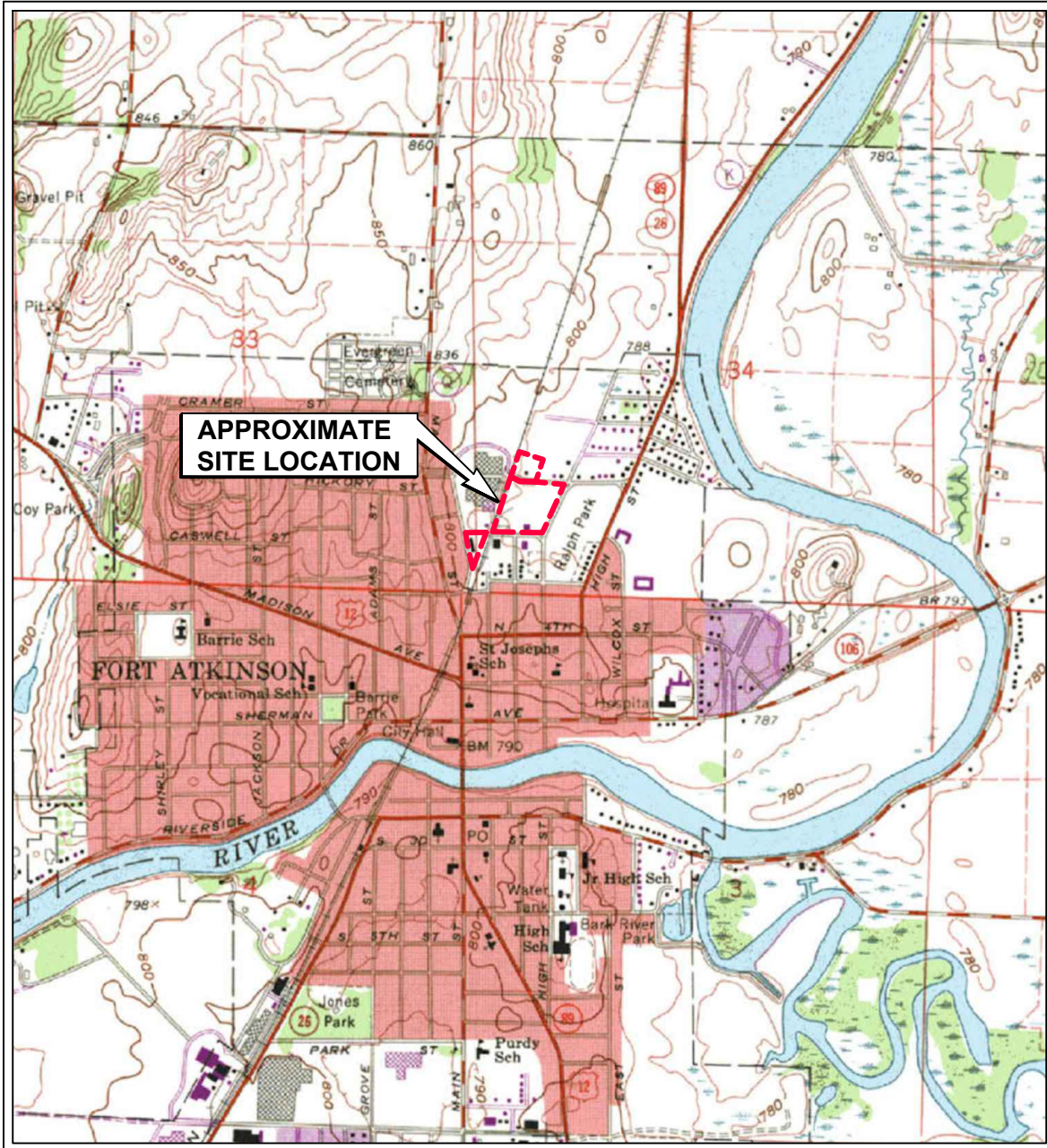
Signature and P.E. number

Project Engineer

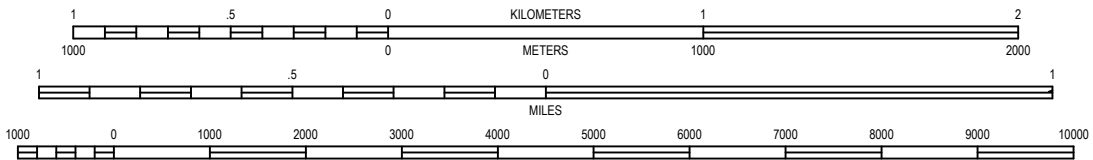
Title

# Appendix A

## Exhibits



SCALE 1:24 000



CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

FORT ATKINSON QUADRANGLE  
JEFFERSON COUNTY ~ WISCONSIN  
1971  
7.5 MINUTE SERIES (TOPOGRAPHIC)

DIAGRAM IS FOR GENERAL LOCATION ONLY AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

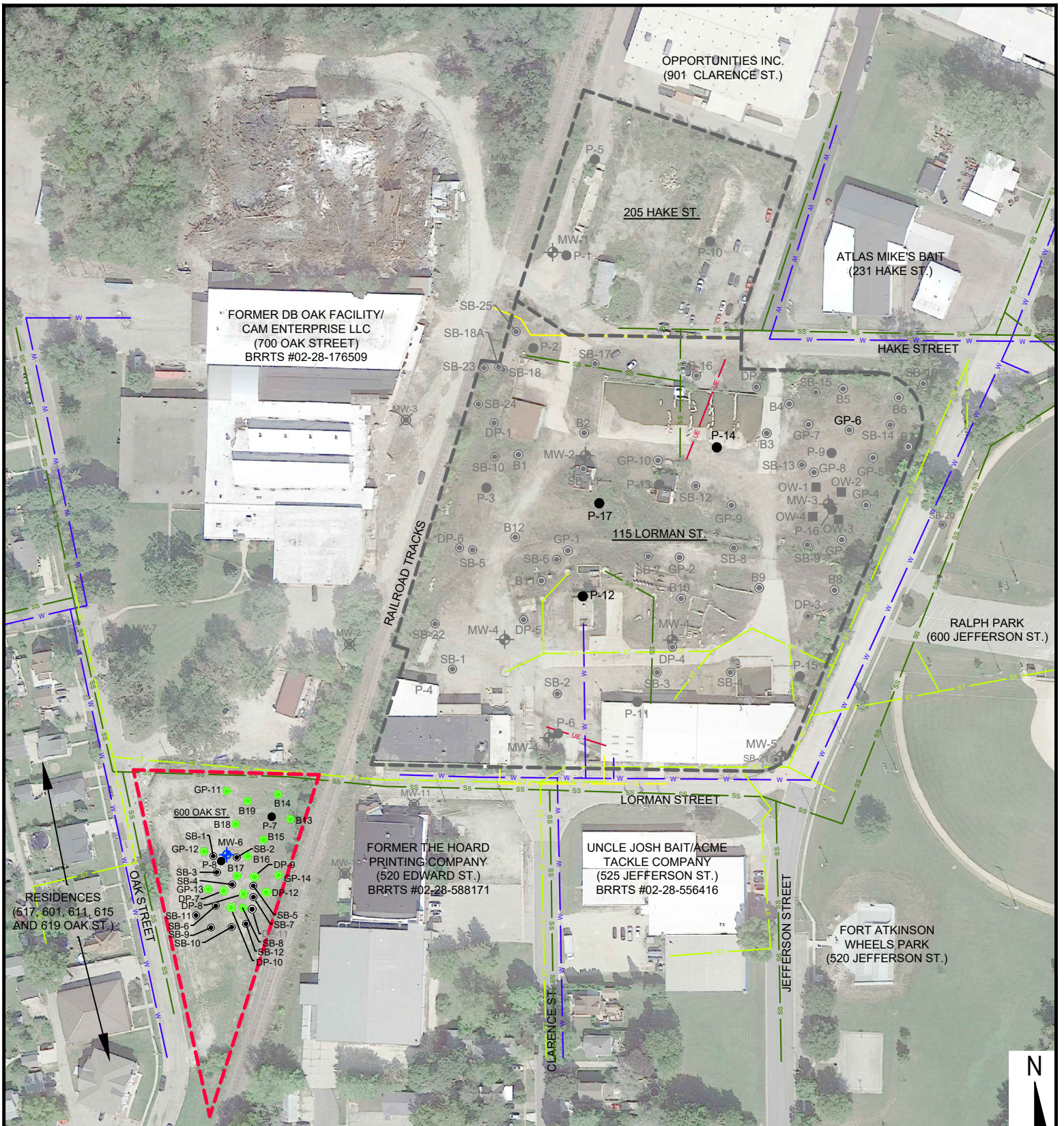
|               |          |             |            |
|---------------|----------|-------------|------------|
| Project Mngr: | LPC      | Project No. | 58217147   |
| Drawn By:     | JLM (41) | Scale:      | AS SHOWN   |
| Checked By:   | LPC      | File No.    | 58217147C1 |
| Approved By:  | EAB      | Date:       | 3/2023     |

**Terracon**  
Consulting Engineers and Scientists  
9856 SOUTH 57th STREET FRANKLIN, WI 53132  
PH. (414) 423-0255 FAX. (414) 423-0566

SITE LOCATION MAP  
FORMER LOEB - LORMAN SCRAPYARD  
115 LORMAN STREET  
FORT ATKINSON, WISCONSIN

EXHIBIT  
1  
(EX1 TOPO)





| LEGEND |                                       |
|--------|---------------------------------------|
|        | GROUNDWATER MONITORING WELL LOCATIONS |
|        | SOIL BORING/TEMPORARY WELL LOCATIONS  |
|        | SOIL BORING LOCATIONS                 |
|        | SOIL BORING LOCATIONS                 |
|        | OFFSITE MONITORING WELL LOCATIONS     |
|        | OBSERVATION WELL LOCATION             |
|        | GAS                                   |
|        | WATER                                 |
|        | STORM SEWER                           |
|        | SANITARY SEWER                        |
|        | UNDERGROUND ELECTRIC                  |
|        | APPROXIMATE SITE BOUNDARY             |



DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES



|              |     |             |               |
|--------------|-----|-------------|---------------|
| Project Mgr: | TPW | Project No: | 58217147      |
| Drawn By:    | OS  | Scale:      | AS SHOWN      |
| Checked By:  | TPW | File No:    | 58217147C2[8] |
| Approved By: | TPW | Date:       | 3/14/2023     |

**Terracon**  
 Consulting Engineers and Scientists  
 9856 SOUTH 57th STREET FRANKLIN, WI 53132  
 PH. (414) 423-0255 FAX. (414) 423-0566

**SITE AND VICINITY MAP**

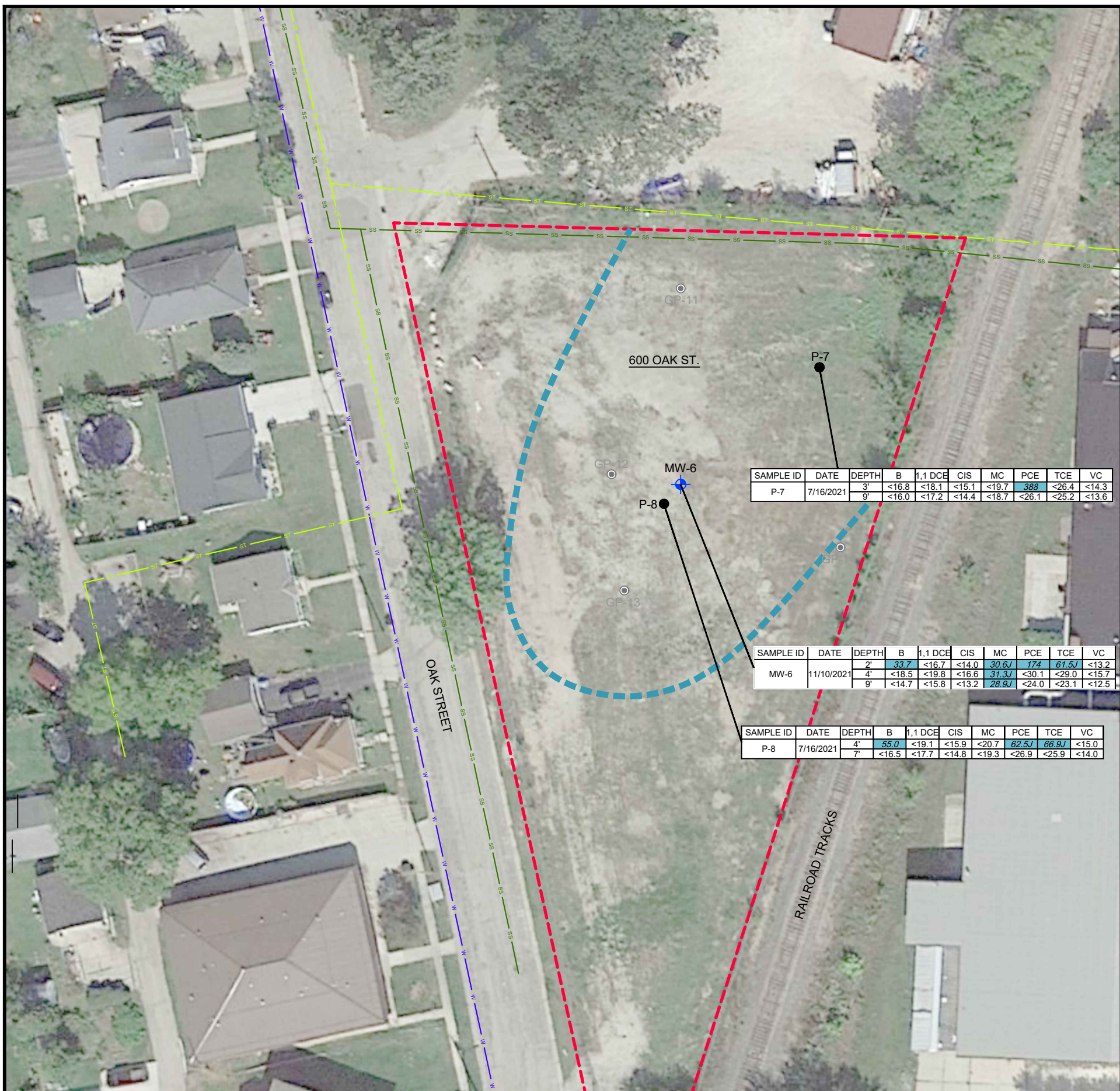
**FORMER LOEB - LORMAN SCRAPYARD**  
 600 OAK STREET  
 FORT ATKINSON, WISCONSIN

**EXHIBIT**

**2**

(EX-1 SD)





| SAMPLE ID | DATE      | DEPTH | B     | 1,1 DCE | CIS   | MC    | PCE        | TCE   | VC    |
|-----------|-----------|-------|-------|---------|-------|-------|------------|-------|-------|
| P-7       | 7/16/2021 | 3'    | <16.8 | <18.1   | <15.1 | <19.7 | <b>388</b> | <26.4 | <14.3 |
|           |           | 9'    | <16.0 | <17.2   | <14.4 | <18.7 | <26.1      | <25.2 | <13.6 |

| SAMPLE ID | DATE       | DEPTH | B           | 1,1 DCE | CIS   | MC          | PCE        | TCE         | VC    |
|-----------|------------|-------|-------------|---------|-------|-------------|------------|-------------|-------|
| MW-6      | 11/10/2021 | 2'    | <b>33.7</b> | <16.7   | <14.0 | <b>30.6</b> | <b>174</b> | <b>61.5</b> | <13.2 |
|           |            | 4'    | <18.5       | <19.8   | <16.6 | <b>31.3</b> | <30.1      | <29.0       | <15.7 |
|           |            | 9'    | <14.7       | <15.8   | <13.2 | <b>28.9</b> | <24.0      | <23.1       | <12.5 |

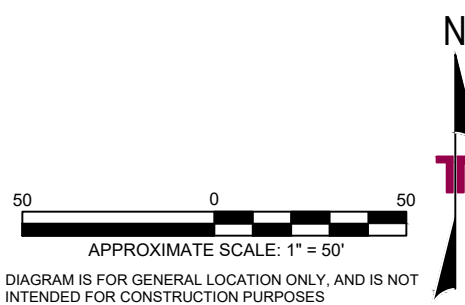
| SAMPLE ID | DATE      | DEPTH | B           | 1,1 DCE | CIS   | MC    | PCE         | TCE         | VC    |
|-----------|-----------|-------|-------------|---------|-------|-------|-------------|-------------|-------|
| P-8       | 7/16/2021 | 4'    | <b>55.0</b> | <19.1   | <15.9 | <20.7 | <b>62.5</b> | <b>66.9</b> | <15.0 |
|           |           | 7'    | <16.5       | <17.7   | <14.8 | <19.3 | <26.9       | <25.9       | <14.0 |

**CONCENTRATION LEGEND**

- APPROXIMATE EXTENT OF NON-INDUSTRIAL DIRECT-CONTACT RCL EXCEEDANCE
  - APPROXIMATE EXTENT OF INDUSTRIAL DIRECT-CONTACT RCL EXCEEDANCE
  - APPROXIMATE EXTENT OF SOIL TO GROUNDWATER PATHWAY RCL EXCEEDANCE
- CONCENTRATIONS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg)
- VOC VOLATILE ORGANIC COMPOUNDS
  - B BENZENE
  - CIS CIS-1,2-DICHLOROETHENE
  - PCE TETRACHLOROETHENE
  - TCE TRICHLOROETHENE
  - 1,1 DCE 1,1-DICHLOROETHANE
  - MC METHYLENE CHLORIDE
  - VC VINYL CHLORIDE
  - RCL RESIDUAL CONTAMINANT LEVEL
  - J ESTIMATED CONCENTRATION AT OR ABOVE LIMIT OF DETECTION (LOD) AND BELOW LIMIT OF QUANTITATION (LOQ)
- XXX** BOLD AND BROWN - EXCEEDS NON-INDUSTRIAL DIRECT-CONTACT RCL
  - XXX UNDERLINED AND PINK = EXCEEDS INDUSTRIAL DIRECT-CONTACT RCL
  - XXX* ITALICIZED AND BLUE = EXCEEDS SOIL TO GROUNDWATER PATHWAY RCL
- NOTE: VOCs DISPLAYED ON THIS MAP CONTAINED CONCENTRATIONS ABOVE THEIR RESPECTIVE RCLs

**LEGEND**

- GROUNDWATER MONITORING WELL LOCATIONS
- SOIL BORING/TEMPORARY WELL LOCATIONS
- SOIL BORING LOCATIONS
- GAS
- WATER
- STORM SEWER
- SANITARY SEWER
- UNDERGROUND ELECTRIC
- APPROXIMATE SITE BOUNDARY



|               |     |             |               |
|---------------|-----|-------------|---------------|
| Project Mngr: | TPW | Project No. | 58217147      |
| Drawn By:     | OS  | Scale:      | AS-SHOWN      |
| Checked By:   | TPW | File No.    | 58217147C4[4] |
| Approved By:  | TPW | Date:       | 3/14/2023     |

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9856 SOUTH 57th STREET FRANKLIN, WI 53132  
PH. (414) 423-0255 FAX. (414) 423-0566

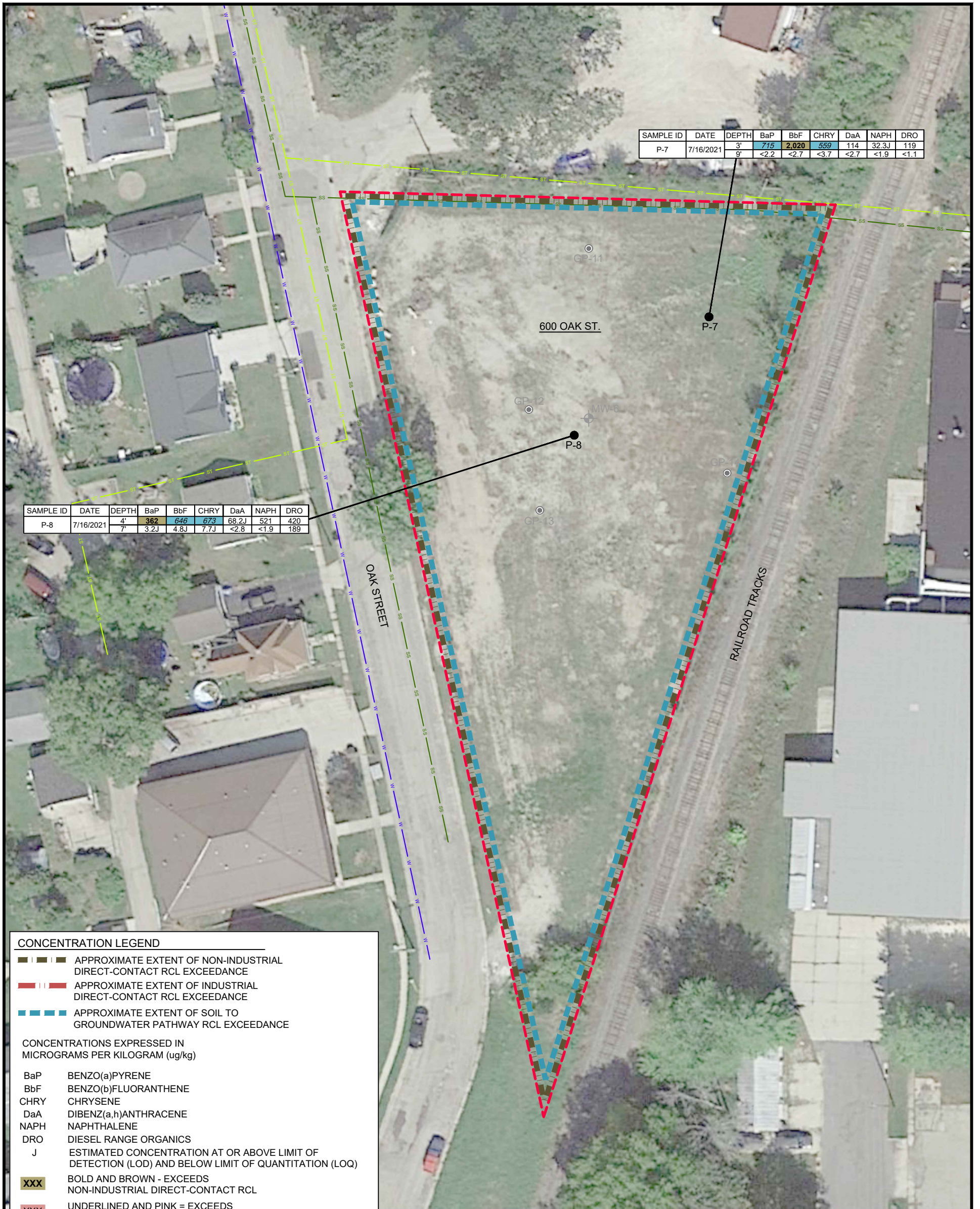
**SOIL QUALITY MAP - VOCs**

FORMER LOEB - LORMAN SCRAPYARD  
600 OAK STREET  
FORT ATKINSON, WISCONSIN

**EXHIBIT**

**3**





| SAMPLE ID | DATE      | DEPTH | BaP        | BbF          | CHRY       | DaA  | NAPH  | DRO  |
|-----------|-----------|-------|------------|--------------|------------|------|-------|------|
| P-7       | 7/16/2021 | 3'    | <b>715</b> | <b>2,020</b> | <b>559</b> | 114  | 32.3J | 119  |
|           |           | 9'    | <2.2       | <2.7         | <3.7       | <2.7 | <1.9  | <1.1 |

| SAMPLE ID | DATE      | DEPTH | BaP        | BbF        | CHRY       | DaA   | NAPH | DRO |
|-----------|-----------|-------|------------|------------|------------|-------|------|-----|
| P-8       | 7/16/2021 | 4'    | <b>362</b> | <b>646</b> | <b>673</b> | 68.2J | 521  | 420 |
|           |           | 7'    | 3.2J       | 4.8J       | 7.7J       | <2.8  | <1.9 | 189 |

**CONCENTRATION LEGEND**

■■■■ APPROXIMATE EXTENT OF NON-INDUSTRIAL DIRECT-CONTACT RCL EXCEEDANCE  
 ■■■■ APPROXIMATE EXTENT OF INDUSTRIAL DIRECT-CONTACT RCL EXCEEDANCE  
 ■■■■ APPROXIMATE EXTENT OF SOIL TO GROUNDWATER PATHWAY RCL EXCEEDANCE

CONCENTRATIONS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg)

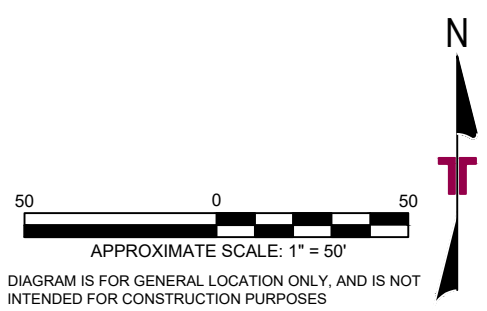
BaP BENZO(a)PYRENE  
 BbF BENZO(b)FLUORANTHENE  
 CHRY CHRYSENE  
 DaA DIBENZ(a,h)ANTHRACENE  
 NAPH NAPHTHALENE  
 DRO DIESEL RANGE ORGANICS  
 J ESTIMATED CONCENTRATION AT OR ABOVE LIMIT OF DETECTION (LOD) AND BELOW LIMIT OF QUANTITATION (LOQ)

**XXX** BOLD AND BROWN - EXCEEDS NON-INDUSTRIAL DIRECT-CONTACT RCL  
XXX UNDERLINED AND PINK = EXCEEDS INDUSTRIAL DIRECT-CONTACT RCL  
*XXX* ITALICIZED AND BLUE = EXCEEDS SOIL TO GROUNDWATER PATHWAY RCL

NOTE: PAHs DISPLAYED ON THIS MAP WERE AT CONCENTRATIONS ABOVE THEIR RESPECTIVE RCLs AND DISPLAYED TO SHOW LARGEST POSSIBLE EXTENT OF CONTAMINATION. NOT ALL DETECTED PAHs ARE DISPLAYED. IF PAH CONCENTRATIONS NOT DISPLAYED AT A LOCATION, PAHs WERE NOT ANALYZED.

**LEGEND**

|   |                                 |
|---|---------------------------------|
| ◆ GROUNDWATER MONITORING WELL LOCATIONS | — GAS                           |
| ● SOIL BORING/TEMPORARY WELL LOCATIONS  | — WATER                         |
| ● SOIL BORING LOCATIONS                 | — STORM SEWER                   |
|   | — SANITARY SEWER                |
|   | — UNDERGROUND ELECTRIC          |
|   | - - - APPROXIMATE SITE BOUNDARY |



|               |     |
|---------------|-----|
| Project Mngr: | TPW |
| Drawn By:     | OS  |
| Checked By:   | TPW |
| Approved By:  | TPW |

|             |               |
|-------------|---------------|
| Project No. | 58217147      |
| Scale:      | AS-SHOWN      |
| File No.    | 58217147C4[4] |
| Date:       | 7/6/2022      |

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9856 SOUTH 57th STREET FRANKLIN, WI 53132  
 PH. (414) 423-0255 FAX. (414) 423-0566

**SOIL QUALITY MAP - PAHs**

FORMER LOEB - LORMAN SCRAPYARD  
 600 OAK STREET  
 FORT ATKINSON, WISCONSIN

**EXHIBIT**

**4**



| SAMPLE ID | DATE       | DEPTH | As   | Cd | Pb   | Ag | Hg     |
|-----------|------------|-------|------|----|------|----|--------|
| GP-11     | 11/10/2021 | 3'    | 8.0  | NA | 247  | NA | 0.066  |
|           |            | 7'    | 7.0  | NA | 17.5 | NA | 0.038J |
| B-19      | 2/17/2022  | 2'    | 21.0 | NA | 56.8 | NA | 0.038J |
|           |            | 9'    | 4.8  | NA | 10.9 | NA | 0.028J |
| B-18      | 2/17/2022  | 4'    | 6.3  | NA | 42.3 | NA | 0.033J |
|           |            | 9'    | <3.0 | NA | 6.9  | NA | 0.010J |

| SAMPLE ID | DATE      | DEPTH | As   | Cd | Pb   | Ag | Hg     |
|-----------|-----------|-------|------|----|------|----|--------|
| B-14      | 2/17/2022 | 4'    | 2.8J | NA | 34.4 | NA | 0.042  |
|           |           | 8'    | 8.1  | NA | 9.7  | NA | 0.017J |

| SAMPLE ID | DATE      | DEPTH | As   | Cd    | Pb    | Ag    | Hg     |
|-----------|-----------|-------|------|-------|-------|-------|--------|
| P-7       | 7/16/2021 | 3'    | 8.2J | 20.7  | 2,830 | 1.4J  | 9.9    |
|           |           | 9'    | 3.6  | 0.23J | 14.3  | <0.33 | 0.039J |

| SAMPLE ID | DATE      | DEPTH | As   | Cd | Pb   | Ag | Hg     |
|-----------|-----------|-------|------|----|------|----|--------|
| B-13      | 2/17/2022 | 3'    | 2.9  | NA | 177  | NA | 0.025J |
|           |           | 9'    | 2.7J | NA | 10.8 | NA | 0.016J |

| SAMPLE ID | DATE       | DEPTH | As   | Cd | Pb  | Ag | Hg     |
|-----------|------------|-------|------|----|-----|----|--------|
| MW-6      | 11/10/2021 | 2'    | 10.1 | NA | 387 | NA | 0.49   |
|           |            | 4'    | 5.5  | NA | 240 | NA | 0.22   |
|           |            | 9'    | 2.8  | NA | 8.4 | NA | <0.011 |

| SAMPLE ID | DATE       | DEPTH | As  | Cd | Pb   | Ag | Hg     |
|-----------|------------|-------|-----|----|------|----|--------|
| GP-12     | 11/10/2021 | 3.5'  | 5.7 | NA | 89.0 | NA | 0.041J |
|           |            | 9'    | 3.5 | NA | 6.0  | NA | 0.021J |

| SAMPLE ID | DATE     | DEPTH | As | Cd | Pb    | Ag | Hg |
|-----------|----------|-------|----|----|-------|----|----|
| SB-1 (1)  | 9/6/2022 | 1'    | NA | NA | 65    | NA | NA |
|           |          | 2'    | NA | NA | NA    | NA | NA |
|           |          | 3'    | NA | NA | 1,610 | NA | NA |
|           |          | 8'    | NA | NA | 5.8   | NA | NA |

| SAMPLE ID | DATE      | DEPTH | As   | Cd   | Pb    | Ag    | Hg    |
|-----------|-----------|-------|------|------|-------|-------|-------|
| P-8       | 7/16/2021 | 4'    | 27.6 | 40.6 | 6,100 | 19.7  | 1.0   |
|           |           | 7'    | 2.0J | 4.5  | 502   | <0.37 | 0.078 |

| SAMPLE ID | DATE      | DEPTH | As | Cd | Pb     | Ag | Hg |
|-----------|-----------|-------|----|----|--------|----|----|
| P-8A      | 2/17/2022 | 1'    | NA | NA | 15.7   | NA | NA |
|           |           | 2'    | NA | NA | 1,230  | NA | NA |
|           |           | 3'    | NA | NA | 2,940  | NA | NA |
|           |           | 4'    | NA | NA | 14,900 | NA | NA |
|           |           | 5'    | NA | NA | 3.0    | NA | NA |
|           |           | 6'    | NA | NA | NA     | NA | NA |

| SAMPLE ID | DATE     | DEPTH | As | Cd | Pb   | Ag | Hg |
|-----------|----------|-------|----|----|------|----|----|
| SB-3 (1)  | 9/6/2022 | 1'    | NA | NA | 15.5 | NA | NA |
|           |          | 2'    | NA | NA | NA   | NA | NA |
|           |          | 3'    | NA | NA | 875  | NA | NA |
|           |          | 7'    | NA | NA | 8.1  | NA | NA |

| SAMPLE ID | DATE       | DEPTH | As   | Cd | Pb   | Ag | Hg      |
|-----------|------------|-------|------|----|------|----|---------|
| GP-13     | 11/10/2021 | 4'    | 1.7J | NA | 10.6 | NA | <0.010  |
|           |            | 7'    | 2.1J | NA | 4.2  | NA | <0.0098 |

| SAMPLE ID | DATE      | DEPTH | As   | Cd | Pb    | Ag | Hg     |
|-----------|-----------|-------|------|----|-------|----|--------|
| B-17      | 2/17/2022 | 3'    | 18.8 | NA | 2,310 | NA | 0.069  |
|           |           | 8'    | <1.6 | NA | 9.5   | NA | 0.015J |

| SAMPLE ID | DATE     | DEPTH | As | Cd | Pb    | Ag | Hg |
|-----------|----------|-------|----|----|-------|----|----|
| SB-4 (1)  | 9/6/2022 | 1'    | NA | NA | 16.2  | NA | NA |
|           |          | 2'    | NA | NA | NA    | NA | NA |
|           |          | 3'    | NA | NA | 1,180 | NA | NA |
|           |          | 8'    | NA | NA | 10.4  | NA | NA |

| SAMPLE ID | DATE      | DEPTH | As   | Cd | Pb  | Ag | Hg    |
|-----------|-----------|-------|------|----|-----|----|-------|
| DP-7      | 4/28/2022 | 3'    | 5.2  | NA | 287 | NA | 0.17  |
|           |           | 8'    | 2.7J | NA | 9.9 | NA | 0.043 |

| SAMPLE ID | DATE     | DEPTH | As | Cd | Pb  | Ag | Hg |
|-----------|----------|-------|----|----|-----|----|----|
| SB-6 (1)  | 9/6/2022 | 1'    | NA | NA | 332 | NA | NA |
|           |          | 2'    | NA | NA | NA  | NA | NA |
|           |          | 3'    | NA | NA | 735 | NA | NA |
|           |          | 7'    | NA | NA | 4.8 | NA | NA |

| SAMPLE ID | DATE     | DEPTH | As | Cd | Pb | Ag | Hg |
|-----------|----------|-------|----|----|----|----|----|
| SB-11 (1) | 9/6/2022 | 1'    | NA | NA | NA | NA | NA |
|           |          | 2'    | NA | NA | NA | NA | NA |
|           |          | 4'    | NA | NA | NA | NA | NA |

| SAMPLE ID | DATE      | DEPTH | As   | Cd | Pb     | Ag | Hg     |
|-----------|-----------|-------|------|----|--------|----|--------|
| DP-8      | 4/28/2022 | 3'    | <8.7 | NA | 10,800 | NA | 7.9    |
|           |           | 8'    | 1.7J | NA | 13.0   | NA | 0.018J |

| SAMPLE ID | DATE      | DEPTH | As   | Cd | Pb    | Ag | Hg     |
|-----------|-----------|-------|------|----|-------|----|--------|
| DP-10     | 4/28/2022 | 3'    | 35.4 | NA | 3,450 | NA | 0.16   |
|           |           | 8'    | 2.4  | NA | 6.5   | NA | 0.024J |

| SAMPLE ID | DATE     | DEPTH | As | Cd | Pb     | Ag | Hg |
|-----------|----------|-------|----|----|--------|----|----|
| SB-8 (1)  | 9/6/2022 | 1'    | NA | NA | 30.7   | NA | NA |
|           |          | 2'    | NA | NA | NA     | NA | NA |
|           |          | 4'    | NA | NA | 41,300 | NA | NA |
|           |          | 7'    | NA | NA | 13.4   | NA | NA |

| SAMPLE ID | DATE     | DEPTH | As | Cd | Pb  | Ag | Hg |
|-----------|----------|-------|----|----|-----|----|----|
| SB-9 (1)  | 9/6/2022 | 1'    | NA | NA | 73  | NA | NA |
|           |          | 2'    | NA | NA | NA  | NA | NA |
|           |          | 3'    | NA | NA | 4.4 | NA | NA |
|           |          | 7'    | NA | NA | 6.4 | NA | NA |

| SAMPLE ID | DATE     | DEPTH | As | Cd | Pb   | Ag | Hg |
|-----------|----------|-------|----|----|------|----|----|
| SB-10 (1) | 9/6/2022 | 1'    | NA | NA | 18.8 | NA | NA |
|           |          | 2'    | NA | NA | NA   | NA | NA |
|           |          | 3'    | NA | NA | 745  | NA | NA |
|           |          | 7'    | NA | NA | 6.3  | NA | NA |
|           |          | 7'    | NA | NA | NA   | NA | NA |

**CONCENTRATION LEGEND**

■■■■■ APPROXIMATE EXTENT OF NON-INDUSTRIAL DIRECT-CONTACT RCL EXCEEDANCE  
 ■■■■■ APPROXIMATE EXTENT OF INDUSTRIAL DIRECT-CONTACT RCL EXCEEDANCE  
 ■■■■■ APPROXIMATE EXTENT OF SOIL TO GROUNDWATER PATHWAY RCL EXCEEDANCE

CONCENTRATIONS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg)

As ARSENIC  
 Cd CADMIUM  
 Pb LEAD  
 Ag SILVER  
 Hg MERCURY  
 J ESTIMATED CONCENTRATION AT OR ABOVE LIMIT OF DETECTION (LOD) AND BELOW LIMIT OF QUANTITATION (LOQ)  
 NA NOT ANALYZED

XXX BOLD AND BROWN - EXCEEDS NON-INDUSTRIAL DIRECT-CONTACT RCL  
 XXX UNDERLINED AND PINK = EXCEEDS INDUSTRIAL DIRECT-CONTACT RCL  
 XXX ITALICIZED AND BLUE = EXCEEDS SOIL TO GROUNDWATER PATHWAY RCL

NOTE: METALS DISPLAYED ON THIS MAP CONTAINED CONCENTRATIONS ABOVE THEIR RESPECTIVE RCLs

**LEGEND**

● GROUNDWATER MONITORING WELL LOCATIONS  
 ● SOIL BORING/TEMPORARY WELL LOCATIONS  
 ● SOIL BORING LOCATIONS  
 ● SOIL BORING LOCATIONS  
 ● OFFSITE MONITORING WELL LOCATIONS

--- 500 LEAD CONCENTRATIONS (0-4') (CONTOUR INTERVAL: 500 mg/kg)  
 --- GAS  
 --- WATER  
 --- STORM SEWER  
 --- SANITARY SEWER  
 --- UNDERGROUND ELECTRIC  
 --- APPROXIMATE SITE BOUNDARY

Project Mgr: TPW  
 Drawn By: OS  
 Checked By: TPW  
 Approved By: TPW

Project No. 58217147  
 Scale: AS-SHOWN  
 File No. 58217147C8[4]  
 Date: 3/14/2023

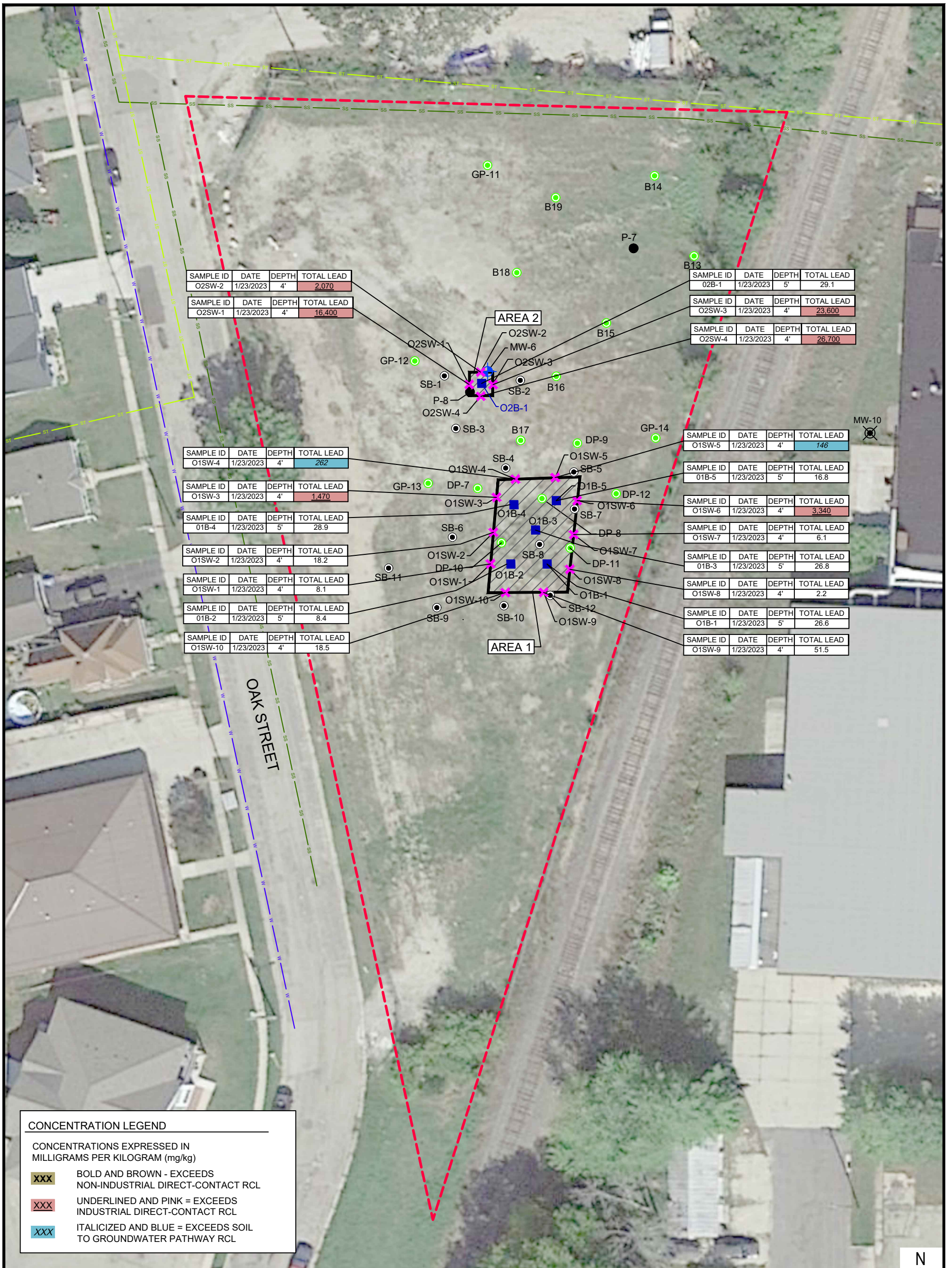
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 Consulting Engineers and Scientists  
 9856 SOUTH 57th STREET FRANKLIN, WI 53132  
 PH. (414) 423-0255 FAX. (414) 423-0566

**SOIL QUALITY MAP - METALS**  
 FORMER LOEB - LORMAN SCRAPYARD  
 600 OAK STREET  
 FORT ATKINSON, WISCONSIN

EXHIBIT  
**5**

30 0 30  
 APPROXIMATE SCALE: 1" = 30'  
 DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES





| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O2SW-2    | 1/23/2023 | 4'    | 2,070      |
| O2SW-1    | 1/23/2023 | 4'    | 16,400     |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O2B-1     | 1/23/2023 | 5'    | 29.1       |
| O2SW-3    | 1/23/2023 | 4'    | 23,600     |
| O2SW-4    | 1/23/2023 | 4'    | 26,700     |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1SW-4    | 1/23/2023 | 4'    | 262        |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1SW-5    | 1/23/2023 | 4'    | 146        |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1SW-3    | 1/23/2023 | 4'    | 1,470      |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1B-5     | 1/23/2023 | 5'    | 16.8       |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1B-4     | 1/23/2023 | 5'    | 28.9       |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1SW-6    | 1/23/2023 | 4'    | 3,340      |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1SW-2    | 1/23/2023 | 4'    | 18.2       |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1SW-7    | 1/23/2023 | 4'    | 6.1        |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1SW-1    | 1/23/2023 | 4'    | 8.1        |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1B-3     | 1/23/2023 | 5'    | 26.8       |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1B-2     | 1/23/2023 | 5'    | 8.4        |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1SW-8    | 1/23/2023 | 4'    | 2.2        |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1SW-10   | 1/23/2023 | 4'    | 18.5       |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1B-1     | 1/23/2023 | 5'    | 26.6       |

| SAMPLE ID | DATE      | DEPTH | TOTAL LEAD |
|-----------|-----------|-------|------------|
| O1SW-9    | 1/23/2023 | 4'    | 51.5       |

**CONCENTRATION LEGEND**

CONCENTRATIONS EXPRESSED IN MILLIGRAMS PER KILOGRAM (mg/kg)

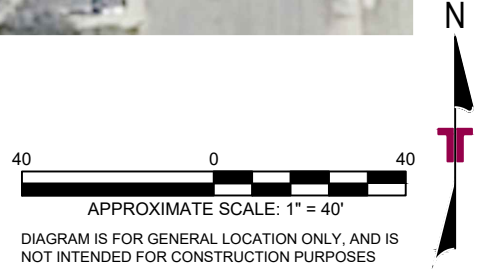
**XXX** BOLD AND BROWN - EXCEEDS NON-INDUSTRIAL DIRECT-CONTACT RCL

XXX UNDERLINED AND PINK = EXCEEDS INDUSTRIAL DIRECT-CONTACT RCL

*XXX* ITALICIZED AND BLUE = EXCEEDS SOIL TO GROUNDWATER PATHWAY RCL

**LEGEND**

- Groundwater Monitoring Well Locations
- Soil Boring/Temporary Well Locations
- Soil Boring Locations
- Soil Boring Locations
- Offsite Monitoring Well Locations
- Sidewall Sample
- Base Sample
- Gas
- Water
- Storm Sewer
- Sanitary Sewer
- Underground Electric
- Approximate Site Boundary
- Approximate Excavation Limits



|               |     |              |               |
|---------------|-----|--------------|---------------|
| Project Mngr: | TPW | Project No.: | 58217147      |
| Drawn By:     | OS  | Scale:       | AS-SHOWN      |
| Checked By:   | TPW | File No.:    | 58217147D2[3] |
| Approved By:  | TPW | Date:        | 3/15/2023     |

**Terracon**  
 Consulting Engineers and Scientists  
 9856 SOUTH 57th STREET FRANKLIN, WI 53132  
 PH. (414) 423-0255 FAX. (414) 423-0566

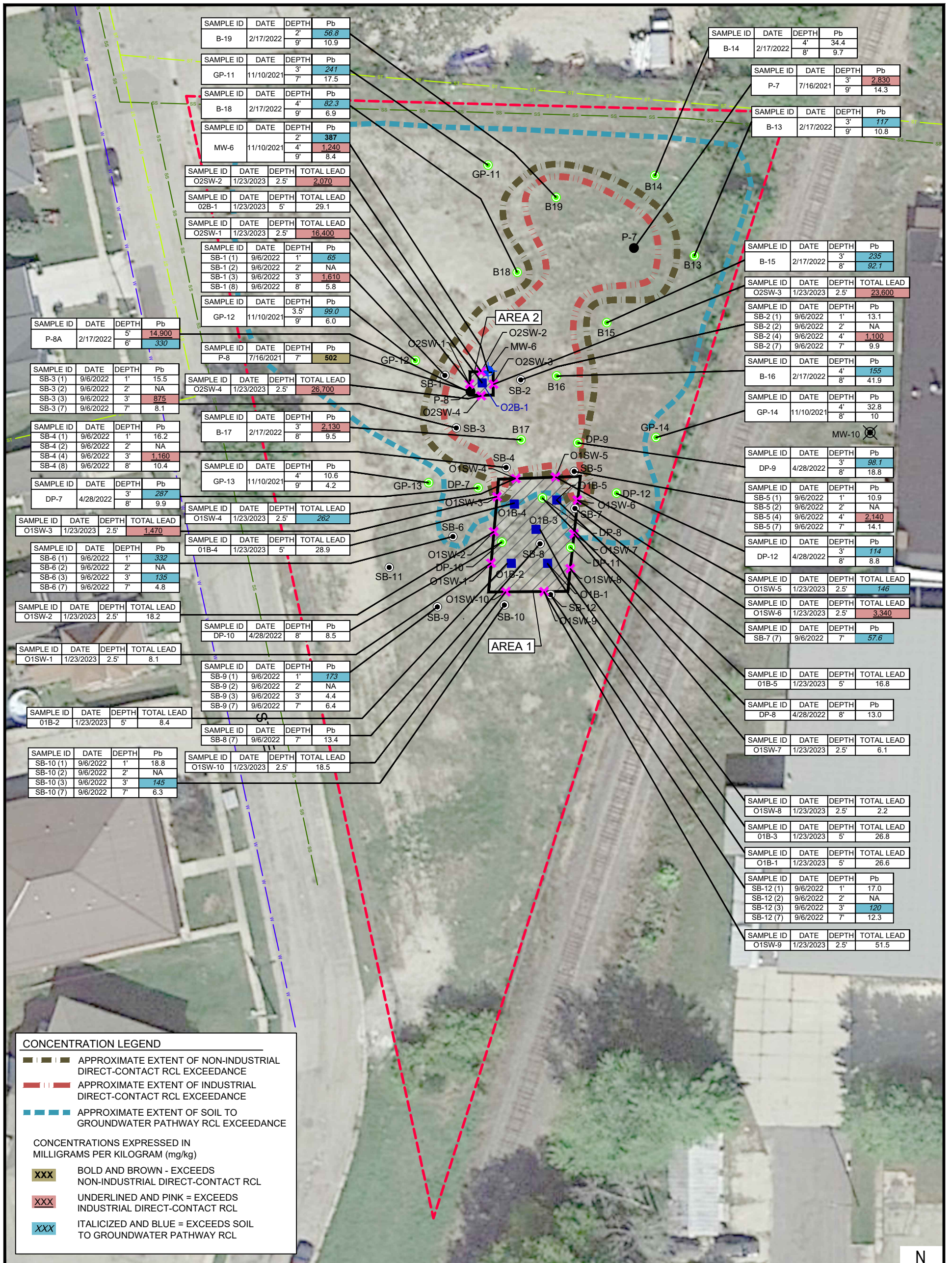
**EXCAVATION SOIL SAMPLING RESULTS**

FORMER LOEB - LORMAN SCRAPYARD  
 600 OAK STREET  
 FORT ATKINSON, WISCONSIN

**EXHIBIT**

6





**CONCENTRATION LEGEND**

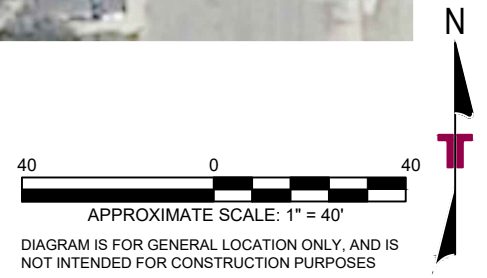
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- APPROXIMATE EXTENT OF INDUSTRIAL DIRECT-CONTACT RCL EXCEEDANCE
- APPROXIMATE EXTENT OF SOIL TO GROUNDWATER PATHWAY RCL EXCEEDANCE

CONCENTRATIONS EXPRESSED IN MILLIGRAMS PER KILOGRAM (mg/kg)

- XXX** BOLD AND BROWN - EXCEEDS NON-INDUSTRIAL DIRECT-CONTACT RCL
- XXX UNDERLINED AND PINK = EXCEEDS INDUSTRIAL DIRECT-CONTACT RCL
- XXX* ITALICIZED AND BLUE = EXCEEDS SOIL TO GROUNDWATER PATHWAY RCL

**LEGEND**

- GROUNDWATER MONITORING WELL LOCATIONS
- SOIL BORING/TEMPORARY WELL LOCATIONS
- SOIL BORING LOCATIONS
- SOIL BORING LOCATIONS
- OFFSITE MONITORING WELL LOCATIONS
- SIDEWALL SAMPLE
- BASE SAMPLE
- GAS
- WATER
- STORM SEWER
- SANITARY SEWER
- UNDERGROUND ELECTRIC
- APPROXIMATE SITE BOUNDARY
- APPROXIMATE EXCAVATION LIMITS



|               |     |             |               |
|---------------|-----|-------------|---------------|
| Project Mngr: | TPW | Project No. | 58217147      |
| Drawn By:     | OS  | Scale:      | AS-SHOWN      |
| Checked By:   | TPW | File No.    | 58217147D2[3] |
| Approved By:  | TPW | Date:       | 3/16/2023     |

**Terracon**  
 Consulting Engineers and Scientists  
 9856 SOUTH 57th STREET FRANKLIN, WI 53132  
 PH. (414) 423-0255 FAX. (414) 423-0566

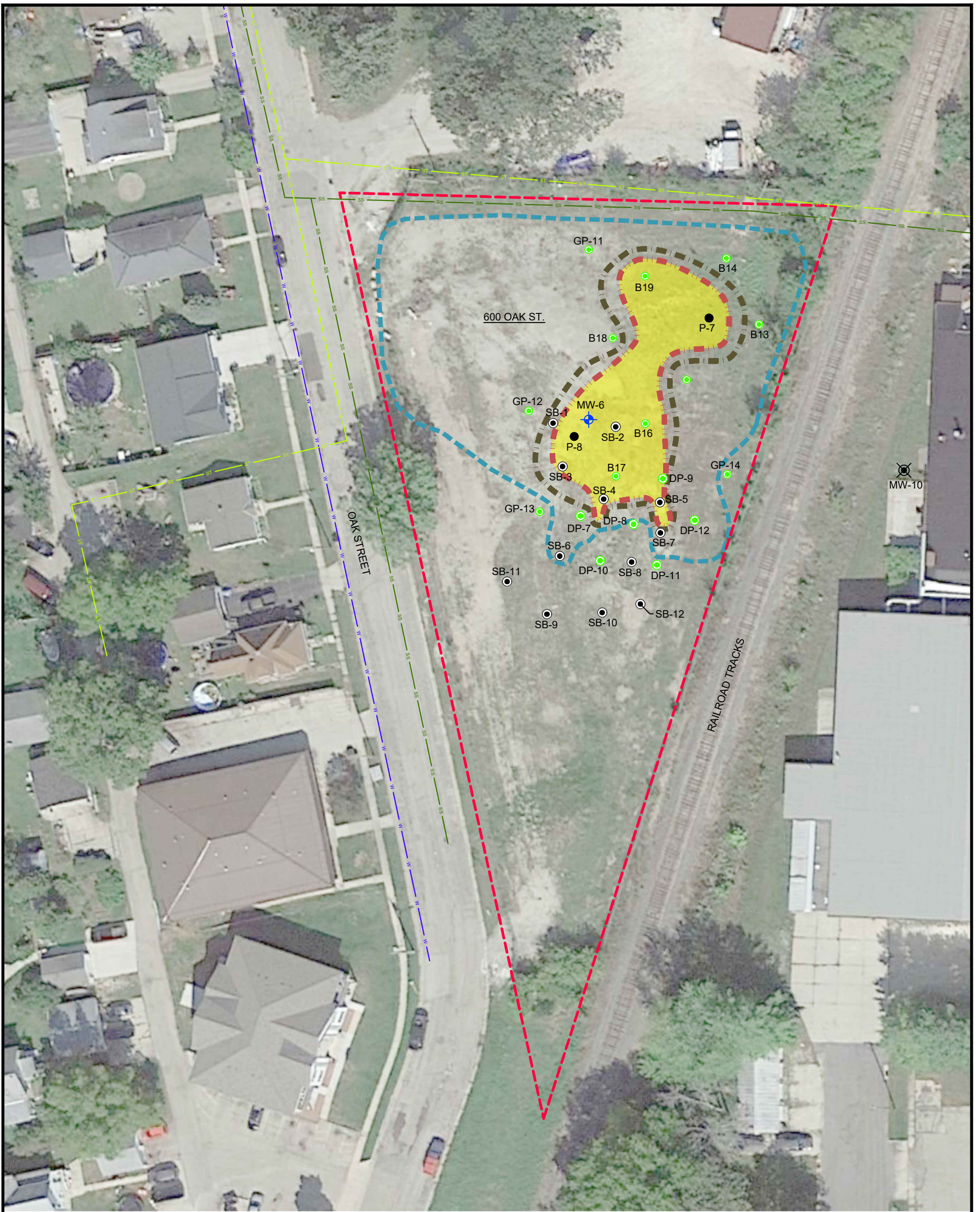
**RESIDUAL SOIL CONTAMINATION MAP - METALS**

FORMER LOEB - LORMAN SCRAPYARD  
 600 OAK STREET  
 FORT ATKINSON, WISCONSIN

**EXHIBIT**

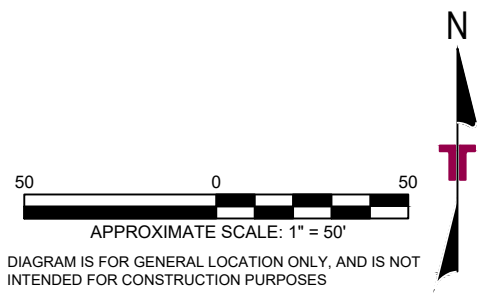
7





**LEGEND**

- |   |                                       |         |  |
|---|---------------------------------------|---------|--|
| ◆ | GROUNDWATER MONITORING WELL LOCATIONS | — G —   | GAS  |
| ● | SOIL BORING/TEMPORARY WELL LOCATIONS  | — W —   | WATER  |
| ● | SOIL BORING LOCATIONS                 | — ST —  | STORM SEWER  |
| ● | SOIL BORING LOCATIONS                 | — SS —  | SANITARY SEWER   |
| ⊗ | OFFSITE MONITORING WELL LOCATIONS     | — UE —  | UNDERGROUND ELECTRIC   |
| ■ | ESTIMATE CAP LOCATION                 | ---     | APPROXIMATE SITE BOUNDARY  |
|   |                                       | — — —   | APPROXIMATE EXTENT OF NON-INDUSTRIAL DIRECT-CONTACT RCL EXCEEDANCE |
|   |                                       | — — —   | APPROXIMATE EXTENT OF INDUSTRIAL DIRECT-CONTACT RCL EXCEEDANCE     |
|   |                                       | --- --- | APPROXIMATE EXTENT OF SOIL TO GROUNDWATER PATHWAY RCL EXCEEDANCE   |



|               |     |             |               |
|---------------|-----|-------------|---------------|
| Project Mngr: | TPW | Project No. | 58217147      |
| Drawn By:     | OS  | Scale:      | AS-SHOWN      |
| Checked By:   | TPW | File No.    | 58217147C8[4] |
| Approved By:  | TPW | Date:       | 3/14/2023     |

**Terracon**  
 Consulting Engineers and Scientists  
 9856 SOUTH 57th STREET FRANKLIN, WI 53132  
 PH. (414) 423-0255 FAX. (414) 423-0566

**CAP LOCATION MAP**  
 FORMER LOEB - LORMAN SCRAPYARD  
 600 OAK STREET  
 FORT ATKINSON, WISCONSIN

**EXHIBIT**  
 8



# Appendix B

## Tables

**Table 1**  
**Soil Analytical Test Results Summary for VOCs**  
**Detected Compounds Only**  
**Former Loeb-Lorman Scrapyard**  
**Fort Atkinson, Wisconsin**  
**Terracon Project No. 58217147**

| Sample ID                                      | Sample Depth (feet) | Sample Date | PID | Fill/Native | VOCs (ug/kg) |                |                  |               |              |                    |                        |              |                           |                    |                    |             |                 |         |                   |         |                       |                        |                 |                        |                        |                        |                |            |          |
|--|---------------------|-------------|-----|-------------|--------------|----------------|------------------|---------------|--------------|--------------------|------------------------|--------------|---------------------------|--------------------|--------------------|-------------|-----------------|---------|-------------------|---------|-----------------------|------------------------|-----------------|------------------------|------------------------|------------------------|----------------|------------|----------|
|  |                     |             |     |             | Benzene      | n-Butylbenzene | sec-Butylbenzene | Chlorobenzene | Chloroethane | 1,1-Dichloroethane | cis-1,2-Dichloroethene | Ethylbenzene | Isopropylbenzene (Cumene) | p-Isopropyltoluene | Methylene Chloride | Naphthalene | n-Propylbenzene | Styrene | Tetrachloroethene | Toluene | 1,1,1-Trichloroethane | 1,2,4-Trichlorobenzene | Trichloroethene | Trichlorofluoromethane | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Vinyl Chloride | m&p-Xylene | o-Xylene |
| Direct Contact Non-Industrial RCL <sup>1</sup> |                     |             |     |             | 1,600        | 108,000        | 145,000          | 370,000       | NE           | 5,060              | 156,000                | 8,020        | 268,000                   | 162,000            | 6,180              | 5,520       | NE              | NE      | 33,000            | 818,000 | NE                    | 24,000                 | 1,300           | 1,230,000              | 219,000                | 182,000                | 67             | 260,000    |          |
| Direct Contact Industrial RCL <sup>2</sup>     |                     |             |     |             | 7,070        | 108,000        | 145,000          | 761,000       | NE           | 22,200             | 2,340,000              | 35,400       | 268,000                   | 162,000            | 1,150,000          | 24,100      | NE              | NE      | 145,000           | 818,000 | NE                    | 219,000                | 8,410           | 1,230,000              | 219,000                | 182,000                | 2,080          | 260,000    |          |
| Soil to Groundwater Pathway RCL <sup>3</sup>   |                     |             |     |             | 5.1          | NE             | --               | --            | 226.6        | 2.8                | 41.2                   | 1,570        | NE                        | NE                 | 2.6                | 658.2       | NE              | 220     | 4.5               | 1,107.2 | 140.2                 | 1,378.7                | 3.6             | NE                     | 1,378.7                | 0.1                    | 3,960          |            |          |
| <b>600 OAK STREET</b>                          |                     |             |     |             |              |                |                  |               |              |                    |                        |              |                           |                    |                    |             |                 |         |                   |         |                       |                        |                 |                        |                        |                        |                |            |          |
| P-7 (3')                                       | 3                   | 7/16/2021   | <1  | Fill        | <16.8        | <32.4          | <17.2            | <8.5          | <29.8        | <18.1              | <15.1                  | <16.8        | <19.1                     | <21.5              | <19.7              | <22.1       | <17.0           | <18.1   | 388               | <17.8   | <18.1                 | <58.3                  | <26.4           | <20.5                  | <21.1                  | <22.8                  | <14.3          | <29.8      | <21.2    |
| P-7 (9')                                       | 9                   | 7/16/2021   | <1  | Native      | <16.0        | <30.8          | <16.4            | <8.1          | <28.4        | <17.2              | <14.4                  | <16.0        | <18.2                     | <20.5              | <18.7              | <21.0       | <16.2           | <17.2   | <26.1             | <17.0   | <17.2                 | <55.5                  | <25.2           | <19.5                  | <20.1                  | <21.7                  | <13.6          | <28.4      | <20.2    |
| P-8 (4')                                       | 4                   | 7/16/2021   | 1   | Fill        | 55.0         | <34.1          | <18.2            | <8.9          | <31.4        | <19.1              | <15.9                  | 31.5J        | <20.1                     | <22.6              | <20.7              | 214J        | <17.9           | <19.1   | 62.5J             | 221     | <19.1                 | <61.4                  | 66.9J           | <21.6                  | 52.9J                  | <24.0                  | <15.0          | 151        | 71.7J    |
| P-8 (7')                                       | 7                   | 7/16/2021   | <1  | Native      | <16.5        | <31.7          | <16.9            | <8.3          | <29.2        | <17.7              | <14.8                  | <16.5        | <18.7                     | <21.1              | <19.3              | <21.6       | <16.6           | <17.7   | <26.9             | <17.5   | <17.7                 | <57.1                  | <25.9           | <20.1                  | <20.6                  | <22.3                  | <14.0          | <29.2      | <20.8    |
| MW-6 (2')                                      | 2                   | 11/10/2021  | 3   | Fill        | 33.7         | 46.5J          | 28.5J            | <7.8          | <27.6        | <16.7              | <14.0                  | 58.0J        | 23.6J                     | 25.4J              | 30.6J              | 360         | 40.3J           | <16.7   | 174               | 236     | <16.7                 | <53.8                  | 61.5J           | <18.9                  | 160                    | 58.2J                  | <13.2          | 251        | 141      |
| MW-6 (4')                                      | 4                   | 11/10/2021  | 3   | Fill        | <18.5        | <35.5          | <18.9            | <9.3          | <32.7        | <19.8              | <16.6                  | <18.5        | <20.9                     | <23.6              | 31.3J              | <24.2       | <18.6           | <19.8   | <30.1             | <19.5   | <19.8                 | <63.9                  | <29.0           | <22.5                  | <23.1                  | <25.0                  | <15.7          | <32.7      | <23.3    |
| MW-6 (9')                                      | 9                   | 11/10/2021  | <1  | Native      | <14.7        | <28.3          | <15.1            | <7.4          | <26.1        | <15.8              | <13.2                  | <14.7        | <16.7                     | <18.8              | 28.9J              | <19.3       | <14.8           | <15.8   | <24.0             | <15.6   | <15.8                 | <51.0                  | <23.1           | <17.9                  | <18.4                  | <19.9                  | <12.5          | <26.1      | <18.6    |

**Notes:**  
 PID=Photoionization Detector  
 VOCs=Volatile organic compounds; analyzed by USEPA Method 8620b  
 Results expressed in micrograms per kilogram (ug/kg)

<sup>1</sup> Non-Industrial Residual Contaminant Levels (RCLs) for Direct Contact (December 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).  
<sup>2</sup> Industrial Residual Contaminant Levels (RCLs) for Direct Contact (December 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).  
<sup>3</sup> Protection of Groundwater RCLs (December 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December, 2018).

**XX.XX** Bold and brown = Exceeds Non-Industrial Direct Contact RCL  
XX.XX Underlined and pink = Exceeds Industrial Direct Contact RCL  
*XX.XX* Italicized and blue = Exceeds Soil to Groundwater Pathway RCL

"J" = Estimated concentration at or above the limit of detection (LOD) and below the limit of quantitation (LOQ)  
 "NE" = No Established Standard

**Table 2  
Soil Analytical Test Results Summary for DRO and PAHs**

**Former Loeb-Lorman Scrapyard  
Fort Atkinson, Wisconsin  
Terracon Project No. 58217147**

| Sample ID                                      | Sample Depth (feet) | Sample Date | PID | Fill/Native | PAHs (ug/kg)      |                |                    |                    |                |                      |                      |                      |                  |                       |                   |                   |                        |                     |                     |               |              | Diesel Range Organics (mg/kg) |      |
|--|---------------------|-------------|-----|-------------|-------------------|----------------|--------------------|--------------------|----------------|----------------------|----------------------|----------------------|------------------|-----------------------|-------------------|-------------------|------------------------|---------------------|---------------------|---------------|--------------|-------------------------------|------|
|  |                     |             |     |             | Acenaphthene      | Acenaphthylene | Anthracene         | Benzo(a)anthracene | Benzo(a)pyrene | Benzo(b)fluoranthene | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Chrysene         | Dibenz(a,h)anthracene | Fluoranthene      | Fluorene          | Indeno(1,2,3-cd)pyrene | 1-Methylnaphthalene | 2-Methylnaphthalene | Naphthalene   | Phenanthrene | Pyrene                        | DRO  |
| Direct Contact Non-Industrial RCL <sup>1</sup> |                     |             |     |             | <b>3,590,000</b>  | NE             | <b>17,900,000</b>  | <b>1,140</b>       | <b>115</b>     | <b>1,150</b>         | <b>17,900,000</b>    | <b>11,500</b>        | <b>115,000</b>   | <b>115</b>            | <b>2,390,000</b>  | <b>2,390,000</b>  | <b>1,150</b>           | <b>17,600</b>       | <b>239,000</b>      | <b>5,520</b>  | NE           | <b>1,790,000</b>              | NE   |
| Direct Contact Industrial RCL <sup>2</sup>     |                     |             |     |             | <u>45,200,000</u> | NE             | <u>100,000,000</u> | <u>20,800</u>      | <u>2,110</u>   | <u>21,100</u>        | <u>100,000,000</u>   | <u>211,000</u>       | <u>2,110,000</u> | <u>2,110</u>          | <u>30,100,000</u> | <u>30,100,000</u> | <u>21,100</u>          | <u>72,700</u>       | <u>3,010,000</u>    | <u>24,100</u> | NE           | <u>22,600,000</u>             | NE   |
| Soil to Groundwater Pathway RCL <sup>3</sup>   |                     |             |     |             | NE                | NE             | 196,949.2          | NE                 | 470            | 478.1                | 196,949.2            | NE                   | 144.2            | NE                    | 88,877.8          | 14,829.9          | NE                     | NE                  | NE                  | 658           | NE           | 54,545.5                      | NE   |
| <b>600 OAK STREET</b>                          |                     |             |     |             |                   |                |                    |                    |                |                      |                      |                      |                  |                       |                   |                   |                        |                     |                     |               |              |                               |      |
| P-7 (3')                                       | 3                   | 7/16/2021   | <1  | Fill        | <12.0             | 26.0J          | 45.5J              | 523                | <b>715</b>     | <b>2,020</b>         | 285                  | 660                  | 559              | 114                   | 285               | <11.1             | 338                    | 17.9J               | 25.8J               | 32.3J         | 135          | 326                           | 119  |
| P-7 (9')                                       | 9                   | 7/16/2021   | <1  | Native      | <2.5              | <2.5           | <2.4               | <2.5               | <2.2           | <2.7                 | <3.4                 | <2.5                 | <3.7             | <2.7                  | <2.3              | <2.3              | <4.1                   | <2.9                | <2.9                | <1.9          | <2.2         | <2.9                          | <1.1 |
| P-8 (4')                                       | 4                   | 7/16/2021   | 1   | Fill        | 96.2J             | 49.1J          | 167                | 388                | <b>362</b>     | <b>646</b>           | 121J                 | 191                  | <b>673</b>       | 68.2J                 | 618               | 91.5J             | 95.6J                  | 415                 | 569                 | 521           | 1,050        | 672                           | 420  |
| P-8 (7')                                       | 7                   | 7/16/2021   | <1  | Native      | <2.6              | <2.5           | <2.5               | 4.5J               | 3.2J           | 4.8J                 | <3.5                 | <2.5                 | 7.7J             | <2.8                  | 5.3J              | <2.4              | <4.2                   | <2.9                | <2.9                | <1.9          | 4.6J         | 4.4J                          | 189  |

**Notes:**  
 PID=Photoionization Detector  
 PAHs=Polycyclic aromatic hydrocarbons; Analyzed by USEPA Method 8270E  
 DRO=Diesel Range Organics; Analyzed by Wisconsin Modified DRO method  
 PAH results expressed in micrograms per kilogram (ug/kg), DRO results expressed in milligrams per kilogram (mg/kg)

<sup>1</sup> Non-Industrial Residual Contaminant Levels (RCLs) for Direct Contact (December 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).  
<sup>2</sup> Industrial Residual Contaminant Levels (RCLs) for Direct Contact (December 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).  
<sup>3</sup> Protection of Groundwater RCLs (December 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December, 2018).

**XX.XX** Bold and brown = Exceeds Non-Industrial Direct Contact RCL  
XX.XX Underlined and pink = Exceeds Industrial Direct Contact RCL  
*XX.XX* Italicized and blue = Exceeds Soil to Groundwater Pathway RCL

"J" = Estimated concentration at or above the limit of detection (LOD) and below the limit of quantitation (LOQ)  
 "NA" = Sample Not Analyzed for this Analyte  
 "NE" = No Established Standard

**Table 3  
Soil Analytical Test Results Summary for Metals**

**Former Loeb-Lorman Scrapyard  
Fort Atkinson, Wisconsin  
Terracon Project No. 58217147**

| Sample ID   | Sample Depth (feet) | Sample Date | PID | Fill/Native | Metals (mg/kg) |         |         |          |        |          |        |         |
|---|---------------------|-------------|-----|-------------|----------------|---------|---------|----------|--------|----------|--------|---------|
|   |                     |             |     |             | Arsenic        | Barium  | Cadmium | Chromium | Lead   | Selenium | Silver | Mercury |
| Direct Contact Non-Industrial RCL <sup>1</sup>    |                     |             |     |             | 0.677          | 15,300  | 71.1    | 100,000  | 400    | 391      | 391    | 3.13    |
| Direct Contact Industrial RCL <sup>2</sup>        |                     |             |     |             | 3              | 100,000 | 985     | 100,000  | 800    | 5,840    | 5,840  | 3.13    |
| Soil to Groundwater Pathway RCL <sup>3</sup>      |                     |             |     |             | 0.584          | 164.8   | 0.752   | 360,000  | 27     | 0.52     | 0.8491 | 0.208   |
| Statewide Background Threshold Value <sup>4</sup> |                     |             |     |             | 8.3            | 364     | 1       | 44       | 52     | --       | --     | --      |
| <b>600 OAK STREET</b>                             |                     |             |     |             |                |         |         |          |        |          |        |         |
| P-7 (3)   | 3                   | 7/16/2021   | <1  | Fill        | 8.2            | 454     | 20.7    | 18.3     | 2,830  | <2.7     | 1.4J   | 9.9     |
| P-7 (9)   | 9                   | 7/16/2021   | <1  | Native      | 3.6            | 64.3    | 0.23J   | 24.3     | 14.3   | <1.4     | <0.33  | 0.039J  |
| P-8 (4)   | 4                   | 7/16/2021   | 1   | Fill        | 27.6           | 106     | 40.6    | 42.1     | 6,100  | <7.9     | 19.7   | 1.0     |
| P-8 (7)   | 7                   | 7/16/2021   | <1  | Native      | 2.0J           | 85.2    | 4.5     | 28.2     | 502    | <1.6     | <0.37  | 0.078   |
| P-8A (1)  | 1                   | 2/17/2022   | <1  | Fill        | NA             | NA      | NA      | NA       | 7.1J   | NA       | NA     | NA      |
| P-8A (2)  | 2                   | 2/17/2022   | <1  | Fill        | NA             | NA      | NA      | NA       | 15.7   | NA       | NA     | NA      |
| P-8A (3)  | 3                   | 2/17/2022   | <1  | Fill        | NA             | NA      | NA      | NA       | 1,230  | NA       | NA     | NA      |
| P-8A (4)  | 4                   | 2/17/2022   | <1  | Fill        | NA             | NA      | NA      | NA       | 2,940  | NA       | NA     | NA      |
| P-8A (5)  | 5                   | 2/17/2022   | <1  | Fill        | NA             | NA      | NA      | NA       | 14,900 | NA       | NA     | NA      |
| P-8A (6)  | 6                   | 2/17/2022   | <1  | Native      | NA             | NA      | NA      | NA       | 330    | NA       | NA     | NA      |
| GP-11 (3)   | 3                   | 11/10/2021  | <1  | Fill        | 8.0            | NA      | NA      | NA       | 241    | NA       | NA     | 0.066   |
| GP-11 (7)   | 7                   | 11/10/2021  | <1  | Native      | 7.0            | NA      | NA      | NA       | 17.5   | NA       | NA     | 0.038J  |
| GP-12 (3,5)                                       | 3.5                 | 11/10/2021  | 2   | Fill        | 5.7            | NA      | NA      | NA       | 99.0   | NA       | NA     | 0.041J  |
| GP-12 (9)   | 9                   | 11/10/2021  | <1  | Native      | 3.5            | NA      | NA      | NA       | 6.0    | NA       | NA     | 0.021J  |
| GP-13 (4)   | 4                   | 11/10/2021  | <1  | Fill        | 1.7J           | NA      | NA      | NA       | 10.6   | NA       | NA     | <0.010  |
| GP-13 (9)   | 9                   | 11/10/2021  | <1  | Native      | 2.1J           | NA      | NA      | NA       | 4.2    | NA       | NA     | <0.0098 |
| GP-14 (4)   | 4                   | 11/10/2021  | <1  | Native      | 3.3J           | NA      | NA      | NA       | 32.8   | NA       | NA     | 0.042J  |
| GP-14 (8)   | 8                   | 11/10/2021  | <1  | Native      | <1.7           | NA      | NA      | NA       | 10     | NA       | NA     | 0.031J  |
| MW-6 (2)  | 2                   | 11/10/2021  | 3   | Fill        | 10.1           | NA      | NA      | NA       | 387    | NA       | NA     | 0.49    |
| MW-6 (4)  | 4                   | 11/10/2021  | 3   | Fill        | 5.5            | NA      | NA      | NA       | 1,240  | NA       | NA     | 0.22    |
| MW-6 (9)  | 9                   | 11/10/2021  | <1  | Native      | 2.8            | NA      | NA      | NA       | 8.4    | NA       | NA     | <0.011  |
| B-13 (3)  | 3                   | 2/17/2022   | <1  | Fill        | 2.9            | NA      | NA      | NA       | 117    | NA       | NA     | 0.025J  |
| B-13 (9)  | 9                   | 2/17/2022   | <1  | Native      | 2.7J           | NA      | NA      | NA       | 10.8   | NA       | NA     | 0.016J  |
| B-14 (4)  | 4                   | 2/17/2022   | <1  | Fill        | 2.8J           | NA      | NA      | NA       | 34.4   | NA       | NA     | 0.042   |
| B-14 (8)  | 8                   | 2/17/2022   | <1  | Native      | 8.1            | NA      | NA      | NA       | 9.7    | NA       | NA     | 0.017J  |
| B-15 (3)  | 3                   | 2/17/2022   | <1  | Fill        | 5.3            | NA      | NA      | NA       | 235    | NA       | NA     | 0.033J  |
| B-15 (8)  | 8                   | 2/17/2022   | <1  | Native      | 2.1J           | NA      | NA      | NA       | 92.1   | NA       | NA     | 0.031J  |
| B-16 (4)  | 4                   | 2/17/2022   | <1  | Fill        | 9.4            | NA      | NA      | NA       | 155    | NA       | NA     | 0.17    |
| B-16 (8)  | 8                   | 2/17/2022   | <1  | Native      | <1.7           | NA      | NA      | NA       | 41.9   | NA       | NA     | 0.068   |
| B-17 (3)  | 3                   | 2/17/2022   | <1  | Fill        | 16.9           | NA      | NA      | NA       | 2,130  | NA       | NA     | 0.89    |
| B-17 (8)  | 8                   | 2/17/2022   | <1  | Native      | <1.6           | NA      | NA      | NA       | 9.5    | NA       | NA     | 0.015J  |
| B-18 (4)  | 4                   | 2/17/2022   | <1  | Fill        | 6.3            | NA      | NA      | NA       | 82.3   | NA       | NA     | 0.033J  |
| B-18 (9)  | 9                   | 2/17/2022   | <1  | Native      | <3.0           | NA      | NA      | NA       | 6.9    | NA       | NA     | <0.010  |
| B-19 (2)  | 2                   | 2/17/2022   | <1  | Fill        | 21.0           | NA      | NA      | NA       | 56.8   | NA       | NA     | 0.038J  |
| B-19 (9)  | 9                   | 2/17/2022   | <1  | Native      | 4.8            | NA      | NA      | NA       | 10.9   | NA       | NA     | 0.028J  |
| DP-7(3)   | 3                   | 4/28/2022   | 1   | Fill        | 5.2            | NA      | NA      | NA       | 287    | NA       | NA     | 0.17    |
| DP-7(8)   | 8                   | 4/28/2022   | <1  | Native      | 2.7J           | NA      | NA      | NA       | 9.9    | NA       | NA     | 0.043   |
| DP-8(3)   | 3                   | 4/28/2022   | <1  | Fill        | <36.7          | NA      | NA      | NA       | 10,900 | NA       | NA     | 1.8     |
| DP-8(8)   | 8                   | 4/28/2022   | <1  | Native      | <1.7           | NA      | NA      | NA       | 13.0   | NA       | NA     | 0.018J  |
| DP-9(3)   | 3                   | 4/28/2022   | <1  | Fill        | 14.3           | NA      | NA      | NA       | 98.1   | NA       | NA     | 0.063   |
| DP-9(8)   | 8                   | 4/28/2022   | <1  | Native      | 1.7J           | NA      | NA      | NA       | 18.8   | NA       | NA     | 0.013J  |
| DP-10(3)  | 3                   | 4/28/2022   | <1  | Fill        | 33.4           | NA      | NA      | NA       | 3,460  | NA       | NA     | 0.16    |
| DP-10(7)  | 8                   | 4/28/2022   | <1  | Native      | 2.4            | NA      | NA      | NA       | 8.5    | NA       | NA     | 0.024J  |
| DP-11(3)  | 3                   | 4/28/2022   | <1  | Fill        | <1.5           | NA      | NA      | NA       | 2.7    | NA       | NA     | <0.010  |
| DP-11(8)  | 8                   | 4/28/2022   | <1  | Native      | <1.7           | NA      | NA      | NA       | 8.8    | NA       | NA     | 0.016J  |
| DP-12(3)  | 3                   | 4/28/2022   | <1  | Fill        | 18.0           | NA      | NA      | NA       | 114    | NA       | NA     | 0.097   |
| DP-12(8)  | 8                   | 4/28/2022   | <1  | Native      | <1.7           | NA      | NA      | NA       | 8.8    | NA       | NA     | 0.028J  |
| SB-1 (1)  | 1                   | 9/6/2022    | NA  | Fill        | NA             | NA      | NA      | NA       | 65     | NA       | NA     | NA      |
| SB-1 (2)  | 2                   | 9/6/2022    | NA  | Fill        | NA             | NA      | NA      | NA       | NA     | NA       | NA     | NA      |
| SB-1 (3)  | 3                   | 9/6/2022    | NA  | Fill        | NA             | NA      | NA      | NA       | 1,610  | NA       | NA     | NA      |
| SB-1 (8)  | 8                   | 9/6/2022    | NA  | Native      | NA             | NA      | NA      | NA       | 5.8    | NA       | NA     | NA      |
| SB-2 (1)  | 1                   | 9/6/2022    | NA  | Fill        | NA             | NA      | NA      | NA       | 13.1   | NA       | NA     | NA      |
| SB-2 (2)  | 2                   | 9/6/2022    | NA  | Fill        | NA             | NA      | NA      | NA       | NA     | NA       | NA     | NA      |
| SB-2 (4)  | 4                   | 9/6/2022    | NA  | Fill        | NA             | NA      | NA      | NA       | 1,100  | NA       | NA     | NA      |
| SB-2 (7)  | 7                   | 9/6/2022    | NA  | Native      | NA             | NA      | NA      | NA       | 9.9    | NA       | NA     | NA      |
| SB-3 (1)  | 1                   | 9/6/2022    | NA  | Fill        | NA             | NA      | NA      | NA       | 15.5   | NA       | NA     | NA      |
| SB-3 (2)  | 2                   | 9/6/2022    | NA  | Fill        | NA             | NA      | NA      | NA       | NA     | NA       | NA     | NA      |
| SB-3 (3)  | 3                   | 9/6/2022    | NA  | Fill        | NA             | NA      | NA      | NA       | 875    | NA       | NA     | NA      |
| SB-3 (7)  | 7                   | 9/6/2022    | NA  | Native      | NA             | NA      | NA      | NA       | 8.1    | NA       | NA     | NA      |
| SB-4 (1)  | 1                   | 9/6/2022    | NA  | Fill        | NA             | NA      | NA      | NA       | 16.2   | NA       | NA     | NA      |
| SB-4 (2)  | 2                   | 9/6/2022    | NA  | Fill        | NA             | NA      | NA      | NA       | NA     | NA       | NA     | NA      |

**Table 3**  
**Soil Analytical Test Results Summary for Metals**

**Former Loeb-Lorman Scrapyard**  
**Fort Atkinson, Wisconsin**  
**Terracon Project No. 58217147**

| Sample ID   | Sample Depth (feet) | Sample Date | PID | Fill/Native | Metals (mg/kg) |                |              |                |            |              |               |              |
|---|---------------------|-------------|-----|-------------|----------------|----------------|--------------|----------------|------------|--------------|---------------|--------------|
|   |                     |             |     |             | Arsenic        | Barium         | Cadmium      | Chromium       | Lead       | Selenium     | Silver        | Mercury      |
| Direct Contact Non-Industrial RCL <sup>1</sup>    |                     |             |     |             | <b>0.677</b>   | <b>15,300</b>  | <b>71.1</b>  | <b>100,000</b> | <b>400</b> | <b>391</b>   | <b>391</b>    | <b>3.13</b>  |
| Direct Contact Industrial RCL <sup>2</sup>        |                     |             |     |             | <u>3</u>       | <u>100,000</u> | <u>985</u>   | <u>100,000</u> | <u>800</u> | <u>5,840</u> | <u>5,840</u>  | <u>3.13</u>  |
| Soil to Groundwater Pathway RCL <sup>3</sup>      |                     |             |     |             | <i>0.584</i>   | <i>164.8</i>   | <i>0.752</i> | <i>360,000</i> | <i>27</i>  | <i>0.52</i>  | <i>0.8491</i> | <i>0.208</i> |
| Statewide Background Threshold Value <sup>4</sup> |                     |             |     |             | <b>8.3</b>     | <b>364</b>     | <b>1</b>     | <b>44</b>      | <b>52</b>  | --           | --            | --           |
| SB-4 (4)  | 4                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 1,160      | NA           | NA            | NA           |
| SB-4 (8)  | 8                   | 9/6/2022    | NA  | Native      | NA             | NA             | NA           | NA             | 10.4       | NA           | NA            | NA           |
| SB-5 (1)  | 1                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 10.9       | NA           | NA            | NA           |
| SB-5 (2)  | 2                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | NA         | NA           | NA            | NA           |
| SB-5 (4)  | 4                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 2,140      | NA           | NA            | NA           |
| SB-5 (7)  | 7                   | 9/6/2022    | NA  | Native      | NA             | NA             | NA           | NA             | 14.1       | NA           | NA            | NA           |
| SB-6 (1)  | 1                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 332        | NA           | NA            | NA           |
| SB-6 (2)  | 2                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | NA         | NA           | NA            | NA           |
| SB-6 (3)  | 3                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 135        | NA           | NA            | NA           |
| SB-6 (7)  | 7                   | 9/6/2022    | NA  | Native      | NA             | NA             | NA           | NA             | 4.8        | NA           | NA            | NA           |
| SB-7 (1)  | 1                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 14.4       | NA           | NA            | NA           |
| SB-7 (2)  | 2                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | NA         | NA           | NA            | NA           |
| SB-7 (4)  | 4                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 1,590      | NA           | NA            | NA           |
| SB-7 (7)  | 7                   | 9/6/2022    | NA  | Native      | NA             | NA             | NA           | NA             | 57.6       | NA           | NA            | NA           |
| SB-8 (1)  | 1                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 30.7       | NA           | NA            | NA           |
| SB-8 (2)  | 2                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | NA         | NA           | NA            | NA           |
| SB-8 (4)  | 4                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 41,300     | NA           | NA            | NA           |
| SB-8 (7)  | 7                   | 9/6/2022    | NA  | Native      | NA             | NA             | NA           | NA             | 13.4       | NA           | NA            | NA           |
| SB-9 (1)  | 1                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 173        | NA           | NA            | NA           |
| SB-9 (2)  | 2                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | NA         | NA           | NA            | NA           |
| SB-9 (3)  | 3                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 4.4        | NA           | NA            | NA           |
| SB-9 (7)  | 7                   | 9/6/2022    | NA  | Native      | NA             | NA             | NA           | NA             | 6.4        | NA           | NA            | NA           |
| SB-10 (1)   | 1                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 18.8       | NA           | NA            | NA           |
| SB-10 (2)   | 2                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | NA         | NA           | NA            | NA           |
| SB-10 (3)   | 3                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 145        | NA           | NA            | NA           |
| SB-10 (7)   | 7                   | 9/6/2022    | NA  | Native      | NA             | NA             | NA           | NA             | 6.3        | NA           | NA            | NA           |
| SB-11 (1)   | 1                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | NA         | NA           | NA            | NA           |
| SB-11 (2)   | 2                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | NA         | NA           | NA            | NA           |
| SB-11 (7)   | 7                   | 9/6/2022    | NA  | Native      | NA             | NA             | NA           | NA             | NA         | NA           | NA            | NA           |
| SB-12 (1)   | 1                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 17.0       | NA           | NA            | NA           |
| SB-12 (2)   | 2                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | NA         | NA           | NA            | NA           |
| SB-12 (3)   | 3                   | 9/6/2022    | NA  | Fill        | NA             | NA             | NA           | NA             | 120        | NA           | NA            | NA           |
| SB-12 (7)   | 7                   | 9/6/2022    | NA  | Native      | NA             | NA             | NA           | NA             | 12.3       | NA           | NA            | NA           |

**Notes:**

PID=Photoionization Detector  
 Results expressed in milligrams per kilogram (mg/kg)

<sup>1</sup> Non-Industrial Residual Contaminant Levels (RCLs) for Direct Contact (Dec 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated December, 2018 (with WDNR spreadsheet input parameters updated December 2018).

<sup>2</sup> Industrial Residual Contaminant Levels (RCLs) for Direct Contact (Dec 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated December 2018 (with WDNR spreadsheet input parameters updated December 2018).

<sup>3</sup> Protection of Groundwater RCLs (Dec 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).

<sup>4</sup> Wisconsin Department of Natural Resources Statewide Background Threshold Value, July 2015

**XX.XX** Bold and brown = Exceeds Non-Industrial Direct Contact RCL  
XX.XX Underlined and pink = Exceeds Industrial Direct Contact RCL  
*XX.XX* Italicized and blue = Exceeds Soil to Groundwater Pathway RCL  
**XX.XX** Bold only = Exceeds BTV

J = Estimated concentration at or above the limit of detection (LOD) and below the limit of quantitation (LOQ)  
 "NA" = Sample Not Analyzed for this Analyte  
 -- = No Established Standard

**Table 4**  
**Soil Analytical Test Results Summary for TCLP Lead**

**Former Loeb-Lorman Scrapyard**  
**Fort Atkinson, Wisconsin**  
**Terracon Project No. 58217147**

| Sample ID                                    | Sample Depth (feet) | Native or Fill | Sample Date | Total Lead (mg/kg) | Lead by TCLP (mg/L) |
|--|---------------------|----------------|-------------|--------------------|---------------------|
| <b>600 Oak Street</b>                        |                     |                |             |                    |                     |
| P-8A (1)                                     | 1                   | Fill           | 2/17/2022   | 7.1                | --                  |
| P-8A (2)                                     | 2                   | Fill           | 2/17/2022   | 15.7               | --                  |
| P-8A (3)                                     | 3                   | Fill           | 2/17/2022   | <u>1,230</u>       | <b>8.0</b>          |
| P-8A (4)                                     | 4                   | Fill           | 2/17/2022   | <u>2,940</u>       | <b>33.7</b>         |
| P-8A (5)                                     | 5                   | Fill           | 2/17/2022   | <u>14,900</u>      | <b>84.5</b>         |
| P-8A (6)                                     | 6                   | Fill           | 2/17/2022   | 330                | <b>11.9</b>         |
| Direct Contact Industrial RCL <sup>1</sup>   |                     |                |             | <b>400</b>         | --                  |
| Direct Contact Industrial RCL <sup>2</sup>   |                     |                |             | <b>800</b>         | --                  |
| Soil to Groundwater Pathway RCL <sup>3</sup> |                     |                |             | 27                 | --                  |
| TCLP Regulatory Level <sup>4</sup>           |                     |                |             | --                 | <b>5.0</b>          |

**Notes:**

TCLP = Toxicity Characteristics Leaching Procedure

Total Lead results expressed in milligrams per kilogram (mg/kg), Lead by TCLP results are expressed in milligrams per liter (mg/L)

<sup>1</sup> Non-Industrial Residual Contaminant Levels (RCLs) for Direct Contact (Dec 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated December, 2018 (with WDNR spreadsheet input parameters updated December 2018).

<sup>2</sup> Industrial Residual Contaminant Levels (RCLs) for Direct Contact (Dec 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated December 2018(with WDNR spreadsheet input parameters updated December 2018).

<sup>3</sup> Protection of Groundwater RCLs (Dec 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).

<sup>4</sup> TCLP Regulatory Level, Table 2, NR 661.24, Wisconsin Administrative Code

**XX.XX** Underlined and brown = Exceeds Non-Industrial Direct Contact RCL

**XX.XX** Bold and tan = Exceeds Industrial Direct Contact RCL

*XX.XX* Italicized and blue = Exceeds Soil to Groundwater Pathway RCL

**XX.XX** Bold and Pink = Exceeds TCLP Regulatory Level

-- Dashed lines = No Standard



**Table 5  
Soil Analytical Test Results Summary for PCBs**

**Former Loeb-Lorman Scrapyard  
Fort Atkinson, Wisconsin  
Terracon Project No. 58217147**

| Sample ID                                      | Sample Depth (feet) | Sample Date | PID | Fill/Native | PCBs (ug/kg)            |                         |                         |                         |                         |                         |                         |            |
|--|---------------------|-------------|-----|-------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------|
|  |                     |             |     |             | PCB-1016 (Aroclor 1016) | PCB-1221 (Aroclor 1221) | PCB-1232 (Aroclor 1232) | PCB-1242 (Aroclor 1242) | PCB-1248 (Aroclor 1248) | PCB-1254 (Aroclor 1254) | PCB-1260 (Aroclor 1260) | PCB, Total |
| Direct Contact Non-Industrial RCL <sup>1</sup> |                     |             |     |             | <b>4,110</b>            | <b>213</b>              | <b>190</b>              | <b>235</b>              | <b>236</b>              | <b>239</b>              | <b>243</b>              | --         |
| Direct Contact Industrial RCL <sup>2</sup>     |                     |             |     |             | <u>28,000</u>           | <u>883</u>              | <u>792</u>              | <u>972</u>              | <u>975</u>              | <u>988</u>              | <u>1,000</u>            | --         |
| Soil to Groundwater Pathway RCL <sup>3</sup>   |                     |             |     |             | <i>NE</i>               | <i>NE</i>               | <i>NE</i>               | <i>NE</i>               | <i>NE</i>               | <i>NE</i>               | <i>NE</i>               | 9.4        |
| <b>600 OAK STREET</b>                          |                     |             |     |             |                         |                         |                         |                         |                         |                         |                         |            |
| P-7 (3')                                       | 3                   | 7/16/2021   | <1  | Fill        | <16.9                   | <16.9                   | <16.9                   | <16.9                   | <16.9                   | <16.9                   | <16.9                   | <16.9      |
| P-7 (9')                                       | 9                   | 7/16/2021   | <1  | Native      | <17.8                   | <17.8                   | <17.8                   | <17.8                   | <17.8                   | <17.8                   | <17.8                   | <17.8      |
| P-8 (4')                                       | 4                   | 7/16/2021   | 1   | Fill        | <19.0                   | <19.0                   | <19.0                   | <19.0                   | <19.0                   | <19.0                   | <19.0                   | <19.0      |
| P-8 (7')                                       | 7                   | 7/16/2021   | <1  | Native      | <18.1                   | <18.1                   | <18.1                   | <18.1                   | <18.1                   | <18.1                   | <18.1                   | <18.1      |

**Notes:**

PID=Photoionization Detector

PCBs=Polychlorinated biphenyl; Analyzed by USEPA Method 8082

Results expressed in micrograms per kilogram (ug/kg)

<sup>1</sup> Non-Industrial Residual Contaminant Levels (RCLs) for Direct Contact (December 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).

<sup>2</sup> Industrial Residual Contaminant Levels (RCLs) for Direct Contact (December 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).

<sup>3</sup> Protection of Groundwater RCLs (December 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December, 2018).

**XX.XX** Bold and brown = Exceeds Non-Industrial Direct Contact RCL

XX.XX Underlined and pink = Exceeds Industrial Direct Contact RCL

*XX.XX* Italicized and blue = Exceeds Soil to Groundwater Pathway RCL

"J" = Estimated concentration at or above the limit of detection (LOD) and below the limit of quantitation (LOQ)

"NE" = No Established Standard

**Table 6  
Sidewall and Base Sample Results: Lead**

**Former Loeb-Lorman Scrapyard  
Fort Atkinson, Wisconsin  
Terracon Project No. 58217147**

| Sample ID   | Sample Depth (feet) | Sample Date | (mg/kg)       |
|---|---------------------|-------------|---------------|
|   |                     |             | Total Lead    |
| Direct Contact Industrial RCL <sup>1</sup>        |                     |             | <b>400</b>    |
| Direct Contact Industrial RCL <sup>2</sup>        |                     |             | <b>800</b>    |
| Soil to Groundwater Pathway RCL <sup>3</sup>      |                     |             | <b>27</b>     |
| Statewide Background Threshold Value <sup>4</sup> |                     |             | <b>52</b>     |
| <b>Area 1 - Sidewall Samples</b>                  |                     |             |               |
| O1SW-1  | 2.5                 | 1/23/2023   | 8.1           |
| O1SW-2  | 2.5                 | 1/23/2023   | 18.2          |
| O1SW-3  | 2.5                 | 1/23/2023   | <b>1,470</b>  |
| O1SW-4  | 2.5                 | 1/23/2023   | <b>262</b>    |
| O1SW-5  | 2.5                 | 1/23/2023   | <b>146</b>    |
| O1SW-6  | 2.5                 | 1/23/2023   | <b>3,340</b>  |
| O1SW-7  | 2.5                 | 1/23/2023   | 6.1           |
| O1SW-8  | 2.5                 | 1/23/2023   | 2.2           |
| O1SW-9  | 2.5                 | 1/23/2023   | 51.5          |
| O1SW-10   | 2.5                 | 1/23/2023   | 18.5          |
| <b>Area 1 - Base Samples</b>                      |                     |             |               |
| O1B-1   | 5                   | 1/23/2023   | 26.6          |
| O1B-2   | 5                   | 1/23/2023   | 8.4           |
| O1B-3   | 5                   | 1/23/2023   | 26.8          |
| O1B-4   | 5                   | 1/23/2023   | 28.9          |
| O1B-5   | 5                   | 1/23/2023   | 16.8          |
| <b>Area 2 - Sidewall Samples</b>                  |                     |             |               |
| O2SW-1  | 2.5                 | 1/23/2023   | <b>16,400</b> |
| O2SW-2  | 2.5                 | 1/23/2023   | <b>2,070</b>  |
| O2SW-3  | 2.5                 | 1/23/2023   | <b>23,600</b> |
| O2SW-4  | 2.5                 | 1/23/2023   | <b>26,700</b> |
| <b>Area 2 - Base Samples</b>                      |                     |             |               |
| O2B-1   | 5                   | 1/23/2023   | 29.1          |

**Notes:**

Total Lead results expressed in milligrams per kilogram (mg/kg)

<sup>1</sup> Non-Industrial Residual Contaminant Levels (RCLs) for Direct Contact (Dec 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated December, 2018 (with WDNR spreadsheet input parameters updated December 2018).

<sup>2</sup> Industrial Residual Contaminant Levels (RCLs) for Direct Contact (Dec 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated December 2018 (with WDNR spreadsheet input parameters updated December 2018).

<sup>3</sup> Protection of Groundwater RCLs (Dec 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).

<sup>4</sup> Wisconsin Department of Natural Resources Statewide Background Threshold Value, July 2015

|              |  |
|--------------|--|
| <b>XX.XX</b> | Underlined and brown = Exceeds Non-Industrial Direct Contact RCL |
| <b>XX.XX</b> | Bold and tan = Exceeds Industrial Direct Contact RCL             |
| <b>XX.XX</b> | Italicized and blue = Exceeds Soil to Groundwater Pathway RCL    |
| <b>XX.XX</b> | Bold only = Exceeds BTV  |
| --           | Dashed lines = No Standard                                       |

**Table 7  
Mass Removed Calculations Table**

**Former Loeb-Lorman Scrapyard  
Fort Atkinson, Wisconsin  
Terracon Project No. 58217147**

| Polygon | Length | Width | Area (ft2) | Depth (ft) | Volume (ft3) | Cubic Yards | Tons | Contaminant Average Total Lead |                          | Total Lead Contaminant<br>Mass (kg) | Total Lead Contaminant<br>Mass (pounds) | Source  |
|---------|--------|-------|------------|------------|--------------|-------------|------|--------------------------------|--------------------------|-------------------------------------|---|---|
|         |        |       |            |            |              |             |      | Soil Mass<br>(kg)              | Concentration<br>(mg/kg) |                                     |   |   |
| Area 1  |        |       |            |            |              |             |      |                                |                          |                                     |   |   |
| a       | 48     | 35    | 1680       | 3          | 5040         | 187         | 271  | 245545                         | 11450.5                  | 2812                                | 6186                                    | SB-8 (4'), DP- 8 (3'), DP-10 (3'), DP-11(3'), SB-7 (4') |
| TOTALS: |        |       | 1680       |            | 5040         | 187         | 271  |                                | 11450.5                  |                                     | 6186                                    |   |
| Area 2  |        |       |            |            |              |             |      |                                |                          |                                     |   |   |
| a       | 10     | 10    | 100        | 3          | 300          | 11          | 16   | 14616                          | 6100.0                   | 89                                  | 196                                     | P-8 (4')  |
| TOTALS: |        |       | 100        |            | 300          | 11          | 16   |                                | 6100.0                   |                                     | 196                                     |   |
| TOTALS: |        |       | 1780       |            | 5340         | 198         | 287  |                                | 17551                    |                                     | 6382                                    |   |

287 Estimated Tonage Removed

6,382 Overall Total Pounds of Lead Removed

**Table 8  
Mass Remaining Calculations Table**

**Former Loeb-Lorman Scrapyard  
Fort Atkinson, Wisconsin  
Terracon Project No. 58217147**

| Polygon                  | Length | Width | Area (ft2) | Depth (ft) | Volume (ft3) | Cubic Yards | Tons    | Contaminant       | Average Total Lead       | Total Lead Contaminant | Total Lead Contaminant | Source                                  |
|--------------------------|--------|-------|------------|------------|--------------|-------------|---------|-------------------|--------------------------|------------------------|------------------------|---|
|                          |        |       |            |            |              |             |         | Soil Mass<br>(kg) | Concentration<br>(mg/kg) | Mass (kg)              | Mass (pounds)          |   |
| Area 1 (and surrounding) |        |       |            |            |              |             |         |                   |                          |                        |                        |   |
| a                        | 30     | 10    | 300        | 3          | 900          | 33          | 48      | 43847             | 48.7                     | 2                      | 5                      | SB-10, SB-12, O1SW-9, O1SW-10           |
| b                        | 20     | 40    | 800        | 3          | 2400         | 89          | 129     | 116926            | 223.0                    | 26                     | 57                     | SB-6, SB-9, DP-7, O1SW-1 through O1SW-3 |
| c                        | 5      | 52    | 260        | 3          | 780          | 29          | 42      | 38001             | 1116.1                   | 42                     | 93                     | O1SW-6 through O1SW-8                   |
| d                        | 80     | 20    | 1600       | 3          | 4800         | 178         | 258     | 233852            | 463.3                    | 108                    | 238                    | SB-3, SB-4, B-17, O1SW-4, O1SW-5        |
| TOTALS:                  |        |       | 2960       |            | 8880         | 329         | 477     |                   | 462.8                    |                        | 393.7                  |   |
| Area 2 (and surrounding) |        |       |            |            |              |             |         |                   |                          |                        |                        |   |
| a                        | 95     | 18    | 1710       | 4          | 6840         | 253.33      | 367.33  | 333239.29         | 4619.3                   | 1539.33                | 3386.53                | SB-3, DP-9, O2SW-4                      |
| b                        | 35     | 20    | 700        | 2          | 1400         | 51.85       | 75.19   | 68206.87          | 4520.0                   | 308.30                 | 678.25                 | GP-12, SB-1, O2SW-1                     |
| c                        | 20     | 20    | 400        | 4          | 1600         | 59.26       | 85.93   | 77950.71          | 4153.0                   | 323.73                 | 712.20                 | B-16, SB-2, O2SW-3                      |
| d                        | 105    | 15    | 1575       | 2          | 3150         | 116.67      | 169.17  | 153465.46         | 909.0                    | 139.50                 | 306.90                 | MW-6, GP-15, B-15, O2SW-2               |
| e                        | 140    | 105   | 14700      | 2          | 29400        | 1088.89     | 1578.89 | 1432344.32        | 292.0                    | 418.24                 | 920.14                 | GP-11, B-19, B-14, P-7, B-13, B-18      |
| TOTALS:                  |        |       | 3817.0     |            | 8478.0       | 314.0       | 455.3   |                   | 2898.7                   |                        | 6004                   |   |

6,398 Overall Total Pounds of Lead Remaining

Appendix C  
Soil Boring Logs and Borehole Abandonment  
Forms

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |                 |                            |   |   |  |  |
|---|-----------------|----------------------------|---|---|--|--|
| Facility/Project Name<br><b>58217147 Former Loeb-Lorman Scrapyard</b>   |                 |                            | License/Permit/Monitoring Number            |   | Boring Number<br><b>SB-1</b>   |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm  |                 |                            | Date Drilling Started<br><b>9/6/2022</b>    |   | Date Drilling Completed<br><b>9/6/2022</b>   |  |
| Horizon   |                 |                            |   |   | Drilling Method<br><b>Direct Push</b>  |  |
| WI Unique Well No.  | DNR Well ID No. | Common Well Name           | Final Static Water Level<br><b>Feet MSL</b> |   | Surface Elevation<br><b>Feet MSL</b>   |  |
|   |                 |                            |   |   | Borehole Diameter<br><b>2.0 inches</b>   |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> |                 |                            | Lat _____ ° _____ ' _____ "                 |   | Local Grid Location  |  |
| State Plane<br>N, E S/C/N   |                 |                            | Long _____ ° _____ ' _____ "                |   | <input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| 1/4 of Section , T N, R   |                 |                            |   |   |  |  |
| Facility ID   |                 | County<br><b>Jefferson</b> | County Code<br><b>28</b>                    | Civil Town/City/ or Village<br><b>Fort Atkinson</b> |  |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description<br>And Geologic Origin For<br>Each Major Unit               | U S C S | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/<br>Comments  |  |
|------------------------|------------------------------|-------------|---------------|---|---------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|-------------------|--|
|                        |                              |             |               |   |         |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |                   |  |
| 1                      | 60<br>35                     |             | 1             | Fill, Silty Sand, reddish brown, medium grained, well graded, medium dense, moist | Fill    |             |              |         |                      |                  |              |                  |       |                   |  |
|                        |                              |             | 2             | Fill, Sand, black, medium grained, well graded, medium dense, trace silt, moist   | Fill    |             |              | 0.01    |                      |                  |              |                  |       | *Sample Submitted |  |
| 2                      | 60<br>36                     |             | 3             |   |         |             |              | 0.09    |                      |                  |              |                  |       | *Sample Submitted |  |
|                        |                              |             | 4             | Silty Clay, brown, medium plastic, medium firm, moist                             | CL-ML   |             |              | 0.07    |                      |                  |              |                  |       |                   |  |
|                        |                              |             | 5             | Clayey Silt, dark brown, low plastic, medium firm, moist                          | ML      |             |              | 0.01    |                      |                  |              |                  |       |                   |  |
|                        |                              |             | 6             | Sandy Clay, brown, medium plastic, medium firm, moist                             |         |             |              | 0.01    |                      |                  |              |                  |       |                   |  |
|                        |                              |             | 7             | ...very firm  | CL      |             |              | 0.01    |                      |                  |              |                  |       |                   |  |
|                        |                              |             | 8             |   |         |             |              | 0.01    |                      |                  |              |                  |       | *Sample Submitted |  |
|                        |                              |             | 9             |   |         |             |              | 0.01    |                      |                  |              |                  |       |                   |  |
|                        |                              |             | 10            | End of Boring @ 10'   |         |             |              | 0.01    |                      |                  |              |                  |       |                   |  |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|            |   |  |
|------------|---|--|
| Signature: | Firm: Terracon Consultants, Inc.<br>4900 South Pennsylvania Avenue, Suite 100/Cudahy, Wisconsin 53110 | Tel: 414-423-0255<br>Fax: 414-423-0566 |
|------------|---|--|

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |                 |                            |   |   |  |  |
|---|-----------------|----------------------------|---|---|--|--|
| Facility/Project Name<br><b>58217147 Former Loeb-Lorman Scrapyard</b>   |                 |                            | License/Permit/Monitoring Number            |   | Boring Number<br><b>SB-2</b>   |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm  |                 |                            | Date Drilling Started<br><b>9/6/2022</b>    |   | Date Drilling Completed<br><b>9/6/2022</b>   |  |
| Horizon   |                 |                            |   |   | Drilling Method<br><b>Direct Push</b>  |  |
| WI Unique Well No.  | DNR Well ID No. | Common Well Name           | Final Static Water Level<br><b>Feet MSL</b> |   | Surface Elevation<br><b>Feet MSL</b>   |  |
|   |                 |                            |   |   | Borehole Diameter<br><b>2.0 inches</b>   |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> |                 |                            | Lat _____ " _____ "                         |   | Local Grid Location  |  |
| State Plane<br>N, E S/C/N   |                 |                            | Long _____ " _____ "                        |   | <input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| 1/4 of Section , T N, R   |                 |                            |   |   |  |  |
| Facility ID   |                 | County<br><b>Jefferson</b> | County Code<br><b>28</b>                    | Civil Town/City/ or Village<br><b>Fort Atkinson</b> |  |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit                         | U S C S | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/ Comments     |      |
|------------------------|------------------------------|-------------|---------------|---|---------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|-------------------|------|
|                        |                              |             |               |   |         |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |                   |      |
| 1                      | 60<br>33                     |             | 1             | Fill, Silty Sand, tan, medium grained, well graded, medium dense, trace gravel, moist | Fill    |             |              | 0.01    |                      |                  |              |                  |       | *Sample Submitted |      |
|                        |                              |             | 2             | Fill, Silty Sand, black, no trace of gravel   | Fill    |             |              |         |                      |                  |              |                  |       |                   | 0.01 |
| 2                      | 60<br>39                     |             | 3             |   | Fill    |             |              | 0.10    |                      |                  |              |                  |       | *Sample Submitted |      |
|                        |                              |             | 4             |   | Fill    |             |              |         |                      |                  |              |                  |       |                   | 0.48 |
|                        |                              |             | 5             | Fill, Clayey Silt, gray, low plastic, medium firm, trace sand, moist                  | Fill    |             |              |         |                      |                  |              |                  |       |                   | 0.02 |
|                        |                              |             | 6             | Silty Clay, gray, medium plastic, medium firm, trace sand, moist                      | CL-ML   |             |              |         |                      |                  |              |                  |       |                   | 0.01 |
|                        |                              |             | 7             | Clayey Silt, gray, low plastic, soft, trace sand, wet                                 | ML      |             |              |         |                      |                  |              |                  |       |                   | 0.01 |
|                        |                              |             | 8             |   | ML      |             | 0.01         |         |                      |                  |              |                  |       |                   |      |
|                        |                              |             | 9             |   | ML      |             | 0.01         |         |                      |                  |              |                  |       |                   |      |
|                        |                              |             | 10            | End of Boring @ 10'   |         |             | 0.01         |         |                      |                  |              |                  |       |                   |      |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm Terracon Consultants, Inc.<br>4900 South Pennsylvania Avenue, Suite 100/Cudahy, Wisconsin 53110 | Tel: 414-423-0255<br>Fax: 414-423-0566 |
|-----------|--|--|

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |                 |                            |   |  |  |  |
|---|-----------------|----------------------------|---|--|--|--|
| Facility/Project Name<br><b>58217147 Former Loeb-Lorman Scrapyard</b>   |                 |                            | License/Permit/Monitoring Number            |  | Boring Number<br><b>SB-3</b>   |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm  |                 |                            | Date Drilling Started<br><b>9/6/2022</b>    |  | Date Drilling Completed<br><b>9/6/2022</b>   |  |
| Horizon   |                 |                            |   |  | Drilling Method<br><b>Direct Push</b>  |  |
| WI Unique Well No.  | DNR Well ID No. | Common Well Name           | Final Static Water Level<br><b>Feet MSL</b> |  | Surface Elevation<br><b>Feet MSL</b>   |  |
|   |                 |                            |   |  | Borehole Diameter<br><b>2.0 inches</b>   |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> |                 |                            | Lat _____ ° _____ ' _____ "                 |  | Local Grid Location  |  |
| State Plane<br>N, E S/C/N   |                 |                            | Long _____ ° _____ ' _____ "                |  | <input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| 1/4 of 1/4 of Section , T N, R  |                 |                            | County Code<br><b>28</b>                    |  | Civil Town/City/ or Village<br><b>Fort Atkinson</b>  |  |
| Facility ID   |                 | County<br><b>Jefferson</b> |   |  |  |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description<br>And Geologic Origin For<br>Each Major Unit     | U S C S | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/<br>Comments |                   |
|------------------------|------------------------------|-------------|---------------|---|---------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|------------------|-------------------|
|                        |                              |             |               |   |         |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |                  |                   |
| 1                      | 60<br>34                     |             | 1             | Fill, Silty Sand, tan, medium grained, well graded, medium dense, moist | Fill    |             |              | 0.01    |                      |                  |              |                  |       |                  | *Sample Submitted |
|                        |                              |             | 2             |   |         |             |              |         |                      |                  |              |                  |       |                  |                   |
|                        |                              |             | 3             |   |         |             | 0.04         |         |                      |                  |              |                  |       |                  |                   |
|                        |                              |             | 4             | Sandy Clay, brown, medium plastic, firm, trace gravel, moist            |         |             | 0.02         |         |                      |                  |              |                  |       |                  |                   |
| 2                      | 60<br>46                     |             | 5             | ...reddish brown, medium firm   | CL      |             |              | 0.02    |                      |                  |              |                  |       |                  |                   |
|                        |                              |             | 6             |   |         |             |              |         |                      |                  |              |                  |       |                  |                   |
|                        |                              |             | 7             | ...brown  |         |             | 0.01         |         |                      |                  |              |                  |       |                  |                   |
|                        |                              |             | 8             | Sandy Silt, brown, low plastic, soft, wet                               | ML      |             | 0.01         |         |                      |                  |              |                  |       |                  |                   |
|                        |                              |             | 9             |   |         |             |              | 0.01    |                      |                  |              |                  |       |                  |                   |
|                        |                              |             | 10            | End of Boring @ 10'   |         |             |              | 0.01    |                      |                  |              |                  |       |                  |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm Terracon Consultants, Inc.<br>4900 South Pennsylvania Avenue, Suite 100/Cudahy, Wisconsin 53110 | Tel: 414-423-0255<br>Fax: 414-423-0566 |
|-----------|--|--|

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |                 |                            |   |   |  |  |
|---|-----------------|----------------------------|---|---|--|--|
| Facility/Project Name<br><b>58217147 Former Loeb-Lorman Scrapyard</b>   |                 |                            | License/Permit/Monitoring Number            |   | Boring Number<br><b>SB-4</b>   |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm  |                 |                            | Date Drilling Started<br><b>9/6/2022</b>    |   | Date Drilling Completed<br><b>9/6/2022</b>   |  |
| Horizon   |                 |                            |   |   | Drilling Method<br><b>Direct Push</b>  |  |
| WI Unique Well No.  | DNR Well ID No. | Common Well Name           | Final Static Water Level<br><b>Feet MSL</b> |   | Surface Elevation<br><b>Feet MSL</b>   |  |
|   |                 |                            |   |   | Borehole Diameter<br><b>2.0 inches</b>   |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> |                 |                            | Lat _____ " _____ "                         |   | Local Grid Location  |  |
| State Plane<br>N, E S/C/N   |                 |                            | Long _____ " _____ "                        |   | <input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| 1/4 of Section , T N, R   |                 |                            |   |   |  |  |
| Facility ID   |                 | County<br><b>Jefferson</b> | County Code<br><b>28</b>                    | Civil Town/City/ or Village<br><b>Fort Atkinson</b> |  |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description<br>And Geologic Origin For<br>Each Major Unit                     | U S C S | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |                   | RQD/<br>Comments  |
|------------------------|------------------------------|-------------|---------------|---|---------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------------------|-------------------|
|                        |                              |             |               |   |         |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200             |                   |
| 1                      | 60<br>33                     |             | 1             | Fill, Silty Sand, tan, medium grained, well graded, medium dense, moist                 | Fill    |             |              | 0.01    |                      |                  |              |                  |                   | *Sample Submitted |
|                        |                              |             | 2             | Fill, Sand, black, medium grained, well graded, medium dense, trace metal debris, moist | Fill    |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 3             | Fill, Clayey Silt, brown, low plastic, medium firm, trace metal debris, moist           | Fill    |             |              | 0.05    |                      |                  |              |                  |                   |                   |
| 2                      | 60<br>35                     |             | 4             |   | Fill    |             |              | 0.11    |                      |                  |              |                  |                   | *Sample Submitted |
|                        |                              |             | 5             |   |         |             |              | 0.03    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 6             | Silty Clay, gray, medium grained, trace sand, firm, moist                               | CL-ML   |             |              |         | 0.01                 |                  |              |                  |                   |                   |
|                        |                              |             | 7             |   |         |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 8             | Clayey Silt, gray, low plastic, trace sand, soft, wet                                   | ML      |             |              | 0.01    |                      |                  |              |                  | *Sample Submitted |                   |
|                        |                              |             | 9             |   |         |             | 0.01         |         |                      |                  |              |                  |                   |                   |
|                        |                              |             | 10            | End of Boring @ 10'   |         |             |              | 0.01    |                      |                  |              |                  |                   |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm Terracon Consultants, Inc.<br>4900 South Pennsylvania Avenue, Suite 100/Cudahy, Wisconsin 53110 | Tel: 414-423-0255<br>Fax: 414-423-0566 |
|-----------|--|--|

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |                 |                            |   |   |  |  |
|---|-----------------|----------------------------|---|---|--|--|
| Facility/Project Name<br><b>58217147 Former Loeb-Lorman Scrapyard</b>   |                 |                            | License/Permit/Monitoring Number            |   | Boring Number<br><b>SB-5</b>   |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm  |                 |                            | Date Drilling Started<br><b>9/6/2022</b>    |   | Date Drilling Completed<br><b>9/6/2022</b>   |  |
| Horizon   |                 |                            |   |   | Drilling Method<br><b>Direct Push</b>  |  |
| WI Unique Well No.  | DNR Well ID No. | Common Well Name           | Final Static Water Level<br><b>Feet MSL</b> |   | Surface Elevation<br><b>Feet MSL</b>   |  |
|   |                 |                            |   |   | Borehole Diameter<br><b>2.0 inches</b>   |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> |                 |                            | Lat _____ " _____ "                         |   | Local Grid Location  |  |
| State Plane<br>N, E S/C/N   |                 |                            | Long _____ " _____ "                        |   | <input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| 1/4 of Section , T N, R   |                 |                            |   |   |  |  |
| Facility ID   |                 | County<br><b>Jefferson</b> | County Code<br><b>28</b>                    | Civil Town/City/ or Village<br><b>Fort Atkinson</b> |  |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit                 | U S C S | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/ Comments     |      |
|------------------------|------------------------------|-------------|---------------|---|---------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|-------------------|------|
|                        |                              |             |               |   |         |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |                   |      |
| 1                      | 60<br>35                     |             | 1             | Fill, Silty Sand, tan, medium grained, well graded, medium dense, moist       | Fill    |             |              | 0.01    |                      |                  |              |                  |       | *Sample Submitted |      |
|                        |                              |             | 2             | Fill, Sand, black, medium grained, well graded, medium dense, moist           | Fill    |             |              |         |                      |                  |              |                  |       |                   | 0.01 |
| 2                      | 60<br>50                     |             | 3             | Fill, Clayey Silt, brown, low plastic, medium firm, trace metal debris, moist | Fill    |             |              | 0.07    |                      |                  |              |                  |       | *Sample Submitted |      |
|                        |                              |             | 4             |   | Fill    |             |              |         |                      |                  |              |                  |       |                   | 0.22 |
|                        |                              |             | 5             |   |         |             |              |         |                      |                  |              |                  |       |                   | 0.02 |
|                        |                              |             | 6             | Silty Clay, gray, medium plastic, firm, moist                                 | CL-ML   |             |              |         |                      |                  |              |                  |       |                   | 0.01 |
|                        |                              |             | 7             |   |         |             |              | 0.01    |                      |                  |              |                  |       | *Sample Submitted |      |
|                        |                              |             | 8             |   |         |             |              | 0.01    |                      |                  |              |                  |       |                   |      |
|                        |                              |             | 9             | ...trace sand, soft, wet  |         |             |              | 0.01    |                      |                  |              |                  |       |                   |      |
|                        |                              |             | 10            | End of Boring @ 10'   |         |             |              | 0.01    |                      |                  |              |                  |       |                   |      |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |   |  |
|-----------|---|--|
| Signature | Firm <b>Terracon Consultants, Inc.</b><br>4900 South Pennsylvania Avenue, Suite 100/Cudahy, Wisconsin 53110 | Tel: 414-423-0255<br>Fax: 414-423-0566 |
|-----------|---|--|

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |                 |                            |   |  |  |  |
|---|-----------------|----------------------------|---|--|--|--|
| Facility/Project Name<br><b>58217147 Former Loeb-Lorman Scrapyard</b>   |                 |                            | License/Permit/Monitoring Number            |  | Boring Number<br><b>SB-6</b>   |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm  |                 |                            | Date Drilling Started<br><b>9/6/2022</b>    |  | Date Drilling Completed<br><b>9/6/2022</b>   |  |
| Horizon   |                 |                            |   |  | Drilling Method<br><b>Direct Push</b>  |  |
| WI Unique Well No.  | DNR Well ID No. | Common Well Name           | Final Static Water Level<br><b>Feet MSL</b> |  | Surface Elevation<br><b>Feet MSL</b>   |  |
|   |                 |                            |   |  | Borehole Diameter<br><b>2.0 inches</b>   |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> |                 |                            | Lat _____ ° _____ ' _____ "                 |  | Local Grid Location  |  |
| State Plane<br>N, E S/C/N   |                 |                            | Long _____ ° _____ ' _____ "                |  | <input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| 1/4 of Section _____, T _____ N, R _____  |                 |                            | County Code<br><b>28</b>                    |  | Civil Town/City/ or Village<br><b>Fort Atkinson</b>  |  |
| Facility ID   |                 | County<br><b>Jefferson</b> |   |  |  |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description<br>And Geologic Origin For<br>Each Major Unit                     | U S C S | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/<br>Comments  |
|------------------------|------------------------------|-------------|---------------|---|---------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|-------------------|
|                        |                              |             |               |   |         |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |                   |
| 1                      | 60<br>35                     |             | 1             | Fill, Silty Sand, tan, medium grained, well graded, medium dense, moist                 | Fill    |             |              | 0.01    |                      |                  |              |                  |       | *Sample Submitted |
|                        |                              |             | 2             | Fill, Sand, black, medium grained, well graded, medium dense, trace metal debris, moist | Fill    |             |              | 0.03    |                      |                  |              |                  |       | *Sample Submitted |
|                        |                              |             | 3             |   |         |             |              | 0.06    |                      |                  |              |                  |       |                   |
| 2                      | 60<br>43                     |             | 4             | Silty Clay, gray, medium plastic, medium firm, moist                                    | CL-ML   |             |              | 0.02    |                      |                  |              |                  |       |                   |
|                        |                              |             | 5             | Silty Sand, light brown, medium grained, well graded, dense, trace gravel, very moist   |         |             |              | 0.01    |                      |                  |              |                  |       |                   |
|                        |                              |             | 6             |   |         |             |              | 0.01    |                      |                  |              |                  |       |                   |
|                        |                              |             | 7             |   |         |             |              | 0.01    |                      |                  |              |                  |       | *Sample Submitted |
|                        |                              |             | 8             |   |         |             |              | 0.01    |                      |                  |              |                  |       |                   |
|                        |                              |             | 9             |   |         |             |              | 0.01    |                      |                  |              |                  |       |                   |
|                        |                              |             | 10            | End of Boring @ 10'   |         |             |              | 0.01    |                      |                  |              |                  |       |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm Terracon Consultants, Inc.<br>4900 South Pennsylvania Avenue, Suite 100/Cudahy, Wisconsin 53110 | Tel: 414-423-0255<br>Fax: 414-423-0566 |
|-----------|--|--|

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|  |                 |  |   |   |  |
|--|-----------------|--|---|---|--|
| Facility/Project Name<br><b>58217147 Former Loeb-Lorman Scrapyard</b>  |                 | License/Permit/Monitoring Number         |   | Boring Number<br><b>SB-7</b>                        |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm   |                 | Date Drilling Started<br><b>9/6/2022</b> |   | Date Drilling Completed<br><b>9/6/2022</b>          |  |
| Horizon  |                 |  |   | Drilling Method<br><b>Direct Push</b>               |  |
| WI Unique Well No.   | DNR Well ID No. | Common Well Name                         | Final Static Water Level<br><b>Feet MSL</b>   | Surface Elevation<br><b>Feet MSL</b>                | Borehole Diameter<br><b>2.0 inches</b> |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/><br>State Plane <b>N, E S/C/N</b> |                 |  | Local Grid Location<br><input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |   |  |
| 1/4 of Section <b>T N, R</b>   |                 |  | Lat _____ " _____ "   |   |  |
| 1/4 of Section <b>T N, R</b>   |                 |  | Long _____ " _____ "  |   |  |
| Facility ID  |                 | County<br><b>Jefferson</b>               | County Code<br><b>28</b>  | Civil Town/City/ or Village<br><b>Fort Atkinson</b> |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit                 | U S C S | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |                   | RQD/ Comments     |
|------------------------|------------------------------|-------------|---------------|---|---------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------------------|-------------------|
|                        |                              |             |               |   |         |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200             |                   |
| 1                      | 60<br>34                     |             | 1             | Fill, Silty Sand, tan, medium grained, well graded, medium dense, moist       | Fill    |             |              | 0.01    |                      |                  |              |                  |                   | *Sample Submitted |
|                        |                              |             | 2             | Fill, Sand, black, medium grained, well graded, medium dense, moist           | Fill    |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 3             | Fill, Silty Sand, reddish brown, non plastic, trace metal debris, soft, moist | Fill    |             |              | 0.03    |                      |                  |              |                  |                   |                   |
| 2                      | 60<br>51                     |             | 4             | Fill, Silty Sand, reddish brown, non plastic, trace metal debris, soft, moist | Fill    |             |              | 0.08    |                      |                  |              |                  | *Sample Submitted |                   |
|                        |                              |             | 5             |   |         |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 6             | Silty Clay, gray, medium plastic, medium firm, trace sand, moist              | CL-ML   |             |              | 0.01    |                      |                  |              |                  | *Sample Submitted |                   |
|                        |                              |             | 7             |   |         |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 8             |   |         |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 9             | Silty Sand, gray, medium grained, well graded, loose, wet                     | SM      |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 10            | End of Boring @ 10'   |         |             |              | 0.01    |                      |                  |              |                  |                   |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |   |  |
|-----------|---|--|
| Signature | Firm <b>Terracon Consultants, Inc.</b><br>4900 South Pennsylvania Avenue, Suite 100/Cudahy, Wisconsin 53110 | Tel: 414-423-0255<br>Fax: 414-423-0566 |
|-----------|---|--|

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |                 |                            |   |   |  |  |
|---|-----------------|----------------------------|---|---|--|--|
| Facility/Project Name<br><b>58217147 Former Loeb-Lorman Scrapyard</b>   |                 |                            | License/Permit/Monitoring Number            |   | Boring Number<br><b>SB-8</b>   |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm  |                 |                            | Date Drilling Started<br><b>9/6/2022</b>    |   | Date Drilling Completed<br><b>9/6/2022</b>   |  |
| Horizon   |                 |                            |   |   | Drilling Method<br><b>Direct Push</b>  |  |
| WI Unique Well No.  | DNR Well ID No. | Common Well Name           | Final Static Water Level<br><b>Feet MSL</b> |   | Surface Elevation<br><b>Feet MSL</b>   |  |
|   |                 |                            |   |   | Borehole Diameter<br><b>2.0 inches</b>   |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> |                 |                            | Lat _____ " _____ "                         |   | Local Grid Location  |  |
| State Plane<br>N, E S/C/N   |                 |                            | Long _____ " _____ "                        |   | <input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| 1/4 of Section , T N, R   |                 |                            |   |   |  |  |
| Facility ID   |                 | County<br><b>Jefferson</b> | County Code<br><b>28</b>                    | Civil Town/City/ or Village<br><b>Fort Atkinson</b> |  |  |

| Sample Number and Type | Length Att. & Recovered (in)                               | Blow Counts | Depth In Feet | Soil/Rock Description<br>And Geologic Origin For<br>Each Major Unit  | U S C S | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |                   | RQD/<br>Comments  |
|------------------------|--|-------------|---------------|--|---------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------------------|-------------------|
|                        |  |             |               |  |         |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200             |                   |
| 1                      | 60<br>36   |             | 1             | Silty Sand, tan, medium grained, well graded, medium dense, moist (fill)                                       | Fill    |             |              | 0.01    |                      |                  |              |                  |                   | *Sample Submitted |
|                        |  |             | 2             | Fill, Sand, black, medium grained, well graded, medium dense, moist ...reddish brown, glass debris, trace silt | Fill    |             |              | 0.02    |                      |                  |              |                  |                   |                   |
| 2                      | 60<br>47   |             | 3             | Fill, Clayey Silt, black, low plastic, medium firm, moist  | Fill    |             |              | 0.08    |                      |                  |              |                  |                   | *Sample Submitted |
|                        |  |             | 4             |  |         |             |              | 0.12    |                      |                  |              |                  |                   |                   |
|                        |  |             | 5             | 0.01   |         |             |              |         |                      |                  |              |                  |                   |                   |
|                        |  |             | 6             | Silty Clay, gray, medium plastic, trace sand, firm, moist  | CL-ML   |             |              | 0.01    |                      |                  |              |                  | *Sample Submitted |                   |
|                        |  |             | 7             | 0.01   |         |             |              |         |                      |                  |              |                  |                   |                   |
| 8                      | 0.01   |             |               |  |         |             |              |         |                      |                  |              |                  |                   |                   |
| 9                      | Sandy Clay, brown, medium plastic, trace gravel, soft, wet | CL          | 0.01          |  |         |             |              |         |                      |                  |              |                  |                   |                   |
| 10                     | End of Boring @ 10'  |             |               |  |         |             | 0.01         |         |                      |                  |              |                  |                   |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|               |   |  |
|---------------|---|--|
| Signature<br> | Firm<br>Terracon Consultants, Inc.<br>4900 South Pennsylvania Avenue, Suite 100/Cudahy, Wisconsin 53110 | Tel: 414-423-0255<br>Fax: 414-423-0566 |
|---------------|---|--|

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |                 |                            |   |  |  |  |
|---|-----------------|----------------------------|---|--|--|--|
| Facility/Project Name<br><b>58217147 Former Loeb-Lorman Scrapyard</b>   |                 |                            | License/Permit/Monitoring Number            |  | Boring Number<br><b>SB-9</b>   |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm  |                 |                            | Date Drilling Started<br><b>9/6/2022</b>    |  | Date Drilling Completed<br><b>9/6/2022</b>   |  |
| Horizon   |                 |                            |   |  | Drilling Method<br><b>Direct Push</b>  |  |
| WI Unique Well No.  | DNR Well ID No. | Common Well Name           | Final Static Water Level<br><b>Feet MSL</b> |  | Surface Elevation<br><b>Feet MSL</b>   |  |
|   |                 |                            |   |  | Borehole Diameter<br><b>2.0 inches</b>   |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> |                 |                            | Lat _____ ° _____ ' _____ "                 |  | Local Grid Location  |  |
| State Plane<br>N, E S/C/N   |                 |                            | Long _____ ° _____ ' _____ "                |  | <input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| 1/4 of 1/4 of Section , T N, R  |                 |                            | County Code<br><b>28</b>                    |  | Civil Town/City/ or Village<br><b>Fort Atkinson</b>  |  |
| Facility ID   |                 | County<br><b>Jefferson</b> |   |  |  |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit                 | U S C S | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/ Comments     |                   |                   |
|------------------------|------------------------------|-------------|---------------|---|---------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|-------------------|-------------------|-------------------|
|                        |                              |             |               |   |         |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |                   |                   |                   |
| 1                      | 60<br>36                     |             | 1             | Fill, Silty Sand, tan/brown, medium grained, well graded, medium dense, moist | Fill    |             |              | 0.01    |                      |                  |              |                  |       |                   | *Sample Submitted |                   |
|                        |                              |             | 2             |   |         |             |              |         |                      |                  |              |                  |       |                   |                   |                   |
|                        |                              |             | 3             |   |         |             |              |         |                      |                  |              |                  |       |                   |                   |                   |
|                        |                              |             | 4             | Clayey Silt, brown, low plastic, medium firm, moist                           | ML      |             |              | 0.01    |                      |                  |              |                  |       |                   |                   | *Sample Submitted |
|                        |                              |             | 5             |   |         |             |              |         |                      |                  |              |                  |       |                   |                   |                   |
|                        |                              |             | 6             |   |         |             |              |         |                      |                  |              |                  |       |                   |                   |                   |
| 2                      | 60<br>52                     |             | 7             | Silty Clay, brown, medium plastic, firm, trace gravel, moist                  | CL-ML   |             |              | 0.01    |                      |                  |              |                  |       | *Sample Submitted |                   |                   |
|                        |                              |             | 8             |   |         |             |              |         |                      |                  |              |                  |       |                   |                   |                   |
|                        |                              |             | 9             | Silty Sand, brown, medium grained, well graded, medium dense, wet             | SM      |             |              | 0.01    |                      |                  |              |                  |       |                   |                   |                   |
|                        |                              |             | 10            | End of Boring @ 10'   |         |             |              | 0.01    |                      |                  |              |                  |       |                   |                   |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm Terracon Consultants, Inc.<br>4900 South Pennsylvania Avenue, Suite 100/Cudahy, Wisconsin 53110 | Tel: 414-423-0255<br>Fax: 414-423-0566 |
|-----------|--|--|

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|  |                 |  |   |  |  |
|--|-----------------|--|---|--|--|
| Facility/Project Name<br><b>58217147 Former Loeb-Lorman Scrapyard</b>  |                 | License/Permit/Monitoring Number         |   | Boring Number<br><b>SB-10</b>              |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm   |                 | Date Drilling Started<br><b>9/6/2022</b> |   | Date Drilling Completed<br><b>9/6/2022</b> |  |
| Horizon  |                 |  |   | Drilling Method<br><b>Direct Push</b>      |  |
| WI Unique Well No.   | DNR Well ID No. | Common Well Name                         | Final Static Water Level<br><b>Feet MSL</b>   | Surface Elevation<br><b>Feet MSL</b>       | Borehole Diameter<br><b>2.0 inches</b> |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/><br>State Plane <b>N, E S/C/N</b> |                 |  | Local Grid Location<br><input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |  |
| 1/4 of Section <b>T N, R</b>   |                 |  | Lat _____"<br>Long _____"   |  |  |

|             |                            |                          |   |
|-------------|----------------------------|--------------------------|---|
| Facility ID | County<br><b>Jefferson</b> | County Code<br><b>28</b> | Civil Town/City/ or Village<br><b>Fort Atkinson</b> |
|-------------|----------------------------|--------------------------|---|

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit           | U S C S  | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                   |  | RQD/ Comments     |   |      |      |  |      |  |                   |                   |              |                   |  |  |      |  |  |                   |
|------------------------|------------------------------|-------------|---------------|---|--|-------------|--------------|---------|----------------------|------------------|--------------|-------------------|--|-------------------|---|------|------|--|------|--|-------------------|-------------------|--------------|-------------------|--|--|------|--|--|-------------------|
|                        |                              |             |               |   |  |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index  | P 200  |                   |   |      |      |  |      |  |                   |                   |              |                   |  |  |      |  |  |                   |
| 1                      | 60<br>35                     |             | 1             | Fill, Silty Sand, tan, medium grained, well graded, medium dense, moist | Fill   |             |              | 0.01    |                      |                  |              |                   |  | *Sample Submitted |   |      |      |  |      |  |                   |                   |              |                   |  |  |      |  |  |                   |
|                        |                              |             | 2             |   |  |             |              |         |                      |                  |              |                   |  |                   | Fill, Sandy Silt, blackish brown, low plastic, medium firm, moist | Fill |      |  | 0.02 |  |                   |                   |              | *Sample Submitted |  |  |      |  |  |                   |
|                        |                              |             | 3             | Fill, Clayey Silt, gray, low plastic, medium firm, moist                | Fill   |             |              | 0.13    |                      |                  |              | *Sample Submitted |  |                   |   |      |      |  |      |  |                   |                   |              |                   |  |  |      |  |  |                   |
|                        |                              |             | 4             |   |  |             |              |         |                      |                  |              |                   | Silty Clay, light brown, medium plastic, firm, trace sand, moist | Fill              |   |      | 0.01 |  |      |  | *Sample Submitted |                   |              |                   |  |  |      |  |  |                   |
| 5                      | 2                            | 60<br>47    |               | 6   | Silty Clay, light brown, medium plastic, firm, trace sand, moist | CL-ML       |              |         | 0.01                 |                  |              |                   |  |                   |   |      |      |  |      |  |                   | *Sample Submitted |              |                   |  |  |      |  |  |                   |
| 7                      |                              |             |               |   |  |             |              |         |                      |                  |              |                   | ...soft, wet   | CL-ML             |   |      | 0.01 |  |      |  | *Sample Submitted |                   |              |                   |  |  |      |  |  |                   |
| 8                      |                              |             |               |   |  |             |              |         |                      |                  |              |                   |  |                   |   |      |      |  |      |  |                   |                   | ...soft, wet | CL-ML             |  |  | 0.01 |  |  | *Sample Submitted |
| 9                      |                              |             |               |   |  |             |              |         |                      |                  |              |                   |  |                   |   |      |      |  |      |  |                   |                   |              |                   |  |  |      |  |  |                   |
| 10                     | End of Boring @ 10'          |             |               |   | 0.01   |             |              |         |                      |                  |              |                   |  |                   |   |      |      |  |      |  |                   |                   |              |                   |  |  |      |  |  |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|               |   |  |
|---------------|---|--|
| Signature<br> | Firm<br>Terracon Consultants, Inc.<br>4900 South Pennsylvania Avenue, Suite 100/Cudahy, Wisconsin 53110 | Tel: 414-423-0255<br>Fax: 414-423-0566 |
|---------------|---|--|

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |                 |                            |   |   |  |  |
|---|-----------------|----------------------------|---|---|--|--|
| Facility/Project Name<br><b>58217147 Former Loeb-Lorman Scrapyard</b>   |                 |                            | License/Permit/Monitoring Number            |   | Boring Number<br><b>SB-11</b>  |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm  |                 |                            | Date Drilling Started<br><b>9/6/2022</b>    |   | Date Drilling Completed<br><b>9/6/2022</b>   |  |
| Horizon   |                 |                            |   |   | Drilling Method<br><b>Direct Push</b>  |  |
| WI Unique Well No.  | DNR Well ID No. | Common Well Name           | Final Static Water Level<br><b>Feet MSL</b> |   | Surface Elevation<br><b>Feet MSL</b>   |  |
|   |                 |                            |   |   | Borehole Diameter<br><b>2.0 inches</b>   |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> |                 |                            | Lat _____ " _____ "                         |   | Local Grid Location  |  |
| State Plane<br>N, E S/C/N   |                 |                            | Long _____ " _____ "                        |   | <input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| 1/4 of Section , T N, R   |                 |                            |   |   |  |  |
| Facility ID   |                 | County<br><b>Jefferson</b> | County Code<br><b>28</b>                    | Civil Town/City/ or Village<br><b>Fort Atkinson</b> |  |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit           | U S C S | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |                   | RQD/ Comments     |
|------------------------|------------------------------|-------------|---------------|---|---------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------------------|-------------------|
|                        |                              |             |               |   |         |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200             |                   |
| 1                      | 60<br>35                     |             | 1             | Fill, Silty Sand, tan, medium grained, well graded, medium dense, moist | Fill    |             |              | 0.01    |                      |                  |              |                  |                   | *Sample Submitted |
|                        |                              |             | 2             | ...black, trace cinders   |         |             |              | 0.01    |                      |                  |              |                  | *Sample Submitted |                   |
| 2                      | 60<br>48                     |             | 3             | Fill, Clayey Silt, grayish brown, low plastic, medium firm, moist       | Fill    |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 4             |   |         |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 5             | Sandy Silt, light brown, non plastic, medium firm, moist                |         |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 6             |   |         |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 7             |   |         |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 8             | ...trace gravel, soft, wet  | ML      |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 9             |   |         |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             | 10            |   |         |             |              | 0.01    |                      |                  |              |                  |                   |                   |
|                        |                              |             |               | End of Boring @ 10'   |         |             |              | 0.01    |                      |                  |              |                  |                   |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|            |   |  |
|------------|---|--|
| Signature: | Firm: Terracon Consultants, Inc.<br>4900 South Pennsylvania Avenue, Suite 100/Cudahy, Wisconsin 53110 | Tel: 414-423-0255<br>Fax: 414-423-0566 |
|------------|---|--|

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.



Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

|   |                 |                            |   |  |  |  |
|---|-----------------|----------------------------|---|--|--|--|
| Facility/Project Name<br><b>58217147 Former Loeb-Lorman Scrapyard</b>   |                 |                            | License/Permit/Monitoring Number            |  | Boring Number<br><b>SB-12</b>  |  |
| Boring Drilled By: Name of crew chief (first, last) and Firm  |                 |                            | Date Drilling Started<br><b>9/6/2022</b>    |  | Date Drilling Completed<br><b>9/6/2022</b>   |  |
| Horizon   |                 |                            |   |  | Drilling Method<br><b>Direct Push</b>  |  |
| WI Unique Well No.  | DNR Well ID No. | Common Well Name           | Final Static Water Level<br><b>Feet MSL</b> |  | Surface Elevation<br><b>Feet MSL</b>   |  |
|   |                 |                            |   |  | Borehole Diameter<br><b>2.0 inches</b>   |  |
| Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/> |                 |                            | Lat _____ ° _____ ' _____ "                 |  | Local Grid Location  |  |
| State Plane<br>N, E S/C/N   |                 |                            | Long _____ ° _____ ' _____ "                |  | <input type="checkbox"/> N <input type="checkbox"/> E<br><input type="checkbox"/> S <input type="checkbox"/> W |  |
| 1/4 of Section , T N, R   |                 |                            | County Code<br><b>28</b>                    |  | Civil Town/City/ or Village<br><b>Fort Atkinson</b>  |  |
| Facility ID   |                 | County<br><b>Jefferson</b> |   |  |  |  |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth In Feet | Soil/Rock Description And Geologic Origin For Each Major Unit   | U S C S | Graphic Log | Well Diagram | PID/FID | Soil Properties      |                  |              |                  |       | RQD/ Comments     |                   |
|------------------------|------------------------------|-------------|---------------|---|---------|-------------|--------------|---------|----------------------|------------------|--------------|------------------|-------|-------------------|-------------------|
|                        |                              |             |               |   |         |             |              |         | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 |                   |                   |
| 1                      | 60<br>34                     |             | 1             | Fill, Silty Sand, tan, medum grained, well graded, medium dense, moist                                  | Fill    |             |              | 0.01    |                      |                  |              |                  |       | *Sample Submitted |                   |
|                        |                              |             | 2             | Fill, Sand, black, medium grained, well graded, medium dense, moist ...brown, trace metal debris (fill) | Fill    |             |              | 0.02    |                      |                  |              |                  |       | *Sample Submitted |                   |
| 2                      | 60<br>46                     |             | 3             |   |         |             |              | 0.03    |                      |                  |              |                  |       |                   |                   |
|                        |                              |             | 4             |   |         |             |              | 0.01    |                      |                  |              |                  |       |                   |                   |
|                        |                              |             | 5             | Fill, Clayey Silt, brown, low plastic, medium firm, trace wood debris, moist                            | Fill    |             |              | 0.01    |                      |                  |              |                  |       |                   |                   |
|                        |                              |             | 6             | Silty Clay, brown, medium plastic, medium firm, moist   |         |             |              | 0.01    |                      |                  |              |                  |       |                   | *Sample Submitted |
|                        |                              |             | 7             |   |         |             |              | 0.01    |                      |                  |              |                  |       |                   |                   |
|                        |                              |             | 8             |   | CL-ML   |             |              | 0.01    |                      |                  |              |                  |       |                   |                   |
|                        |                              |             | 9             | ...grayish brown, trace sand, soft, wet   |         |             |              | 0.01    |                      |                  |              |                  |       |                   |                   |
|                        |                              |             | 10            | End of Boring @ 10'   |         |             |              | 0.01    |                      |                  |              |                  |       |                   |                   |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

|           |  |  |
|-----------|--|--|
| Signature | Firm Terracon Consultants, Inc.<br>4900 South Pennsylvania Avenue, Suite 100/Cudahy, Wisconsin 53110 | Tel: 414-423-0255<br>Fax: 414-423-0566 |
|-----------|--|--|

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**Verification Only of Fill and Seal**

**Route to DNR Bureau:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

|   |         |  |  |
|---|---------|--|--|
| County<br><b>Jefferson</b>                                    |         | WI Unique Well # of Removed Well<br>_____                                  | Hicap #<br>_____   |
| Latitude / Longitude (see instructions)<br>_____ N<br>_____ W |         | Format Code<br><input type="checkbox"/> DD<br><input type="checkbox"/> DDM | Method Code<br><input type="checkbox"/> GPS008<br><input type="checkbox"/> SCR002<br><input type="checkbox"/> OTH001 |
| ¼ / ¼<br>or Gov't Lot #                                       | Section | Township<br><b>N</b>   | Range<br><input type="checkbox"/> E<br><input type="checkbox"/> W  |
| Well Street Address<br><b>600 Oak Street</b>                  |         |  |  |
| Well City, Village or Town<br><b>City of Fort Atkinson</b>    |         | Well ZIP Code<br><b>53538</b>  |  |
| Subdivision Name  |         | Lot #  |  |

|  |  |                    |                          |
|--|--|--------------------|--------------------------|
| Facility Name<br><b>Former Loeb-Lorman Scrapyard</b>         |  |                    |                          |
| Facility ID (FID or PWS)<br>_____                            |  |                    |                          |
| License/Permit/Monitoring #<br>_____                         |  |                    |                          |
| Original Well Owner<br>_____                                 |  |                    |                          |
| Present Well Owner<br><b>City of Fort Atkinson</b>           |  |                    |                          |
| Mailing Address of Present Owner<br><b>101 N Main Street</b> |  |                    |                          |
| City of Present Owner<br><b>Fort Atkinson</b>                |  | State<br><b>WI</b> | ZIP Code<br><b>53538</b> |

|   |   |
|---|---|
| Reason for Removal from Service<br><b>Soil boring</b> | WI Unique Well # of Replacement Well<br>_____ |
|---|---|

**3. Filled & Sealed Well / Drillhole / Borehole Information**

|   |  |
|---|--|
| <input type="checkbox"/> Monitoring Well<br><input type="checkbox"/> Water Well <b>SB-1</b><br><input checked="" type="checkbox"/> Borehole / Drillhole | Original Construction Date (mm/dd/yyyy)<br><b>09/06/2022</b><br>If a Well Construction Report is available, please attach. |
|---|--|

|   |   |                              |
|---|---|------------------------------|
| Construction Type:  |   |                              |
| <input type="checkbox"/> Drilled  | <input type="checkbox"/> Driven (Sandpoint) | <input type="checkbox"/> Dug |
| <input checked="" type="checkbox"/> Other (specify): <b>Direct push</b> |   |                              |

|  |                                  |
|--|----------------------------------|
| Formation Type:  |                                  |
| <input checked="" type="checkbox"/> Unconsolidated Formation | <input type="checkbox"/> Bedrock |

|   |                                    |
|---|------------------------------------|
| Total Well Depth From Ground Surface (ft.)<br><b>10</b> | Casing Diameter (in.)<br><b>NA</b> |
|---|------------------------------------|

|  |                                 |
|--|---------------------------------|
| Lower Drillhole Diameter (in.)<br><b>2</b> | Casing Depth (ft.)<br><b>NA</b> |
|--|---------------------------------|

|                                 |                              |  |                                  |
|---------------------------------|------------------------------|--|----------------------------------|
| Was well annular space grouted? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Unknown |
|---------------------------------|------------------------------|--|----------------------------------|

|  |                                    |
|--|------------------------------------|
| If yes, to what depth (feet)?<br><b>NA</b> | Depth to Water (feet)<br><b>NA</b> |
|--|------------------------------------|

**4. Pump, Liner, Screen, Casing & Sealing Material**

|   |   |  |   |
|---|---|--|---|
| Pump and piping removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Liner(s) perforated?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Screen removed?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Casing left in place?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Was casing cut off below surface?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface?   | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |
| Did material settle after 24 hours?   | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A            |
| If yes, was hole retopped?  |   |  |   |
|   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| If bentonite chips were used, were they hydrated with water from a known safe source? |   |  |   |
|   | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |

|   |   |
|---|---|
| Required Method of Placing Sealing Material                             |   |
| <input type="checkbox"/> Conductor Pipe-Gravity                         | <input type="checkbox"/> Conductor Pipe-Pumped  |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) | <input type="checkbox"/> Other (Explain): _____ |

|   |   |
|---|---|
| Sealing Materials                                     |   |
| <input type="checkbox"/> Neat Cement Grout            | <input type="checkbox"/> Concrete                   |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout | <input checked="" type="checkbox"/> Bentonite Chips |


|  |   |
|--|---|
| For Monitoring Wells and Monitoring Well Boreholes Only: |   |
| <input checked="" type="checkbox"/> Bentonite Chips      | <input type="checkbox"/> Bentonite - Cement Grout |
| <input type="checkbox"/> Granular Bentonite              | <input type="checkbox"/> Bentonite - Sand Slurry  |

**5. Material Used to Fill Well / Drillhole**

|                             | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|-----------------------------|------------|----------|---|-------------------------|
| <b>3/8" Bentonite chips</b> | Surface    | 10       | <b>&lt;1 bag</b>                                |                         |
|                             |            |          |   |                         |

**6. Comments**

**7. Supervision of Work**      **DNR Use Only**

|  |                    |   |  |                                 |
|--|--------------------|---|--|---------------------------------|
| Name of Person or Firm Doing Filling & Sealing<br><b>Terracon Consultants, Inc</b> | License #<br>_____ | Date of Filling & Sealing or Verification (mm/dd/yyyy)<br><b>09/06/2022</b> | Date Received  | Noted By                        |
| Street or Route<br><b>9856 South 57th Street</b>                                   |                    | Telephone Number<br><b>(414) 423-0255</b>                                   | Comments   |                                 |
| City<br><b>Franklin</b>  | State<br><b>WI</b> | ZIP Code<br><b>53132</b>  | Signature of Person Doing Work<br> | Date Signed<br><b>9/14/2022</b> |

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**Verification Only of Fill and Seal**

**Route to DNR Bureau:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

|   |         |  |  |
|---|---------|--|--|
| County<br><b>Jefferson</b>                                    |         | WI Unique Well # of Removed Well<br>_____                                  | Hicap #<br>_____   |
| Latitude / Longitude (see instructions)<br>_____ N<br>_____ W |         | Format Code<br><input type="checkbox"/> DD<br><input type="checkbox"/> DDM | Method Code<br><input type="checkbox"/> GPS008<br><input type="checkbox"/> SCR002<br><input type="checkbox"/> OTH001 |
| 1/4 / 1/4<br>or Gov't Lot #                                   | Section | Township<br><b>N</b>   | Range<br><input type="checkbox"/> E<br><input type="checkbox"/> W  |
| Well Street Address<br><b>600 Oak Street</b>                  |         |  |  |
| Well City, Village or Town<br><b>City of Fort Atkinson</b>    |         | Well ZIP Code<br><b>53538</b>  |  |
| Subdivision Name  |         | Lot #  |  |

|  |  |                    |                          |
|--|--|--------------------|--------------------------|
| Facility Name<br><b>Former Loeb-Lorman Scrapyard</b>         |  |                    |                          |
| Facility ID (FID or PWS)                                     |  |                    |                          |
| License/Permit/Monitoring #                                  |  |                    |                          |
| Original Well Owner  |  |                    |                          |
| Present Well Owner<br><b>City of Fort Atkinson</b>           |  |                    |                          |
| Mailing Address of Present Owner<br><b>101 N Main Street</b> |  |                    |                          |
| City of Present Owner<br><b>Fort Atkinson</b>                |  | State<br><b>WI</b> | ZIP Code<br><b>53538</b> |

|   |   |
|---|---|
| Reason for Removal from Service<br><b>Soil boring</b> | WI Unique Well # of Replacement Well<br>_____ |
|---|---|

**3. Filled & Sealed Well / Drillhole / Borehole Information**

|   |  |
|---|--|
| <input type="checkbox"/> Monitoring Well<br><input type="checkbox"/> Water Well <b>SB-2</b><br><input checked="" type="checkbox"/> Borehole / Drillhole | Original Construction Date (mm/dd/yyyy)<br><b>09/06/2022</b><br>If a Well Construction Report is available, please attach. |
|---|--|

|   |   |                              |
|---|---|------------------------------|
| Construction Type:  |   |                              |
| <input type="checkbox"/> Drilled  | <input type="checkbox"/> Driven (Sandpoint) | <input type="checkbox"/> Dug |
| <input checked="" type="checkbox"/> Other (specify): <b>Direct push</b> |   |                              |

|  |                                  |
|--|----------------------------------|
| Formation Type:  |                                  |
| <input checked="" type="checkbox"/> Unconsolidated Formation | <input type="checkbox"/> Bedrock |

|   |                                    |
|---|------------------------------------|
| Total Well Depth From Ground Surface (ft.)<br><b>10</b> | Casing Diameter (in.)<br><b>NA</b> |
|---|------------------------------------|

|  |                                 |
|--|---------------------------------|
| Lower Drillhole Diameter (in.)<br><b>2</b> | Casing Depth (ft.)<br><b>NA</b> |
|--|---------------------------------|

|                                 |                              |  |                                  |
|---------------------------------|------------------------------|--|----------------------------------|
| Was well annular space grouted? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Unknown |
|---------------------------------|------------------------------|--|----------------------------------|

|  |                                    |
|--|------------------------------------|
| If yes, to what depth (feet)?<br><b>NA</b> | Depth to Water (feet)<br><b>NA</b> |
|--|------------------------------------|


**4. Pump, Liner, Screen, Casing & Sealing Material**

|   |   |   |   |
|---|---|---|---|
| Pump and piping removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Liner(s) perforated?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Screen removed?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Casing left in place?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Was casing cut off below surface?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface?   | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No                         | <input type="checkbox"/> N/A            |
| Did material settle after 24 hours?   | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No              | <input type="checkbox"/> N/A            |
| If yes, was hole retopped?  |   |   |   |
|   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| If bentonite chips were used, were they hydrated with water from a known safe source? |   |   |   |
|   | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No                         | <input type="checkbox"/> N/A            |
| Required Method of Placing Sealing Material   |   |   |   |
| <input type="checkbox"/> Conductor Pipe-Gravity                                       |   | <input type="checkbox"/> Conductor Pipe-Pumped      |   |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)               |   | <input type="checkbox"/> Other (Explain): _____     |   |
| Sealing Materials   |   |   |   |
| <input type="checkbox"/> Neat Cement Grout  |   | <input type="checkbox"/> Concrete                   |   |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout                                 |   | <input checked="" type="checkbox"/> Bentonite Chips |   |
| For Monitoring Wells and Monitoring Well Boreholes Only:                              |   |   |   |
| <input checked="" type="checkbox"/> Bentonite Chips                                   |   | <input type="checkbox"/> Bentonite - Cement Grout   |   |
| <input type="checkbox"/> Granular Bentonite   |   | <input type="checkbox"/> Bentonite - Sand Slurry    |   |

| 5. Material Used to Fill Well / Drillhole | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|---|------------|----------|---|-------------------------|
| <b>3/8" Bentonite chips</b>               | Surface    | 10       | <b>&lt;1 bag</b>                                |                         |
|   |            |          |   |                         |

**6. Comments**

**7. Supervision of Work**      **DNR Use Only**

|  |                    |   |  |                                 |
|--|--------------------|---|--|---------------------------------|
| Name of Person or Firm Doing Filling & Sealing<br><b>Terracon Consultants, Inc</b> | License #          | Date of Filling & Sealing or Verification (mm/dd/yyyy)<br><b>09/06/2022</b> | Date Received  | Noted By                        |
| Street or Route<br><b>9856 South 57th Street</b>                                   |                    | Telephone Number<br><b>(414) 423-0255</b>                                   | Comments   |                                 |
| City<br><b>Franklin</b>  | State<br><b>WI</b> | ZIP Code<br><b>53132</b>  | Signature of Person Doing Work<br> | Date Signed<br><b>9/14/2022</b> |

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**Verification Only of Fill and Seal**

**Route to DNR Bureau:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

|   |         |  |  |
|---|---------|--|--|
| County<br><b>Jefferson</b>                                    |         | WI Unique Well # of Removed Well<br>_____                                  | Hicap #<br>_____   |
| Latitude / Longitude (see instructions)<br>_____ N<br>_____ W |         | Format Code<br><input type="checkbox"/> DD<br><input type="checkbox"/> DDM | Method Code<br><input type="checkbox"/> GPS008<br><input type="checkbox"/> SCR002<br><input type="checkbox"/> OTH001 |
| ¼ / ¼<br>or Gov't Lot #                                       | Section | Township<br><b>N</b>   | Range<br><input type="checkbox"/> E<br><input type="checkbox"/> W  |
| Well Street Address<br><b>600 Oak Street</b>                  |         |  |  |
| Well City, Village or Town<br><b>City of Fort Atkinson</b>    |         | Well ZIP Code<br><b>53538</b>  |  |
| Subdivision Name  |         | Lot #  |  |

|  |  |                    |                          |
|--|--|--------------------|--------------------------|
| Facility Name<br><b>Former Loeb-Lorman Scrapyard</b>         |  |                    |                          |
| Facility ID (FID or PWS)<br>_____                            |  |                    |                          |
| License/Permit/Monitoring #<br>_____                         |  |                    |                          |
| Original Well Owner<br>_____                                 |  |                    |                          |
| Present Well Owner<br><b>City of Fort Atkinson</b>           |  |                    |                          |
| Mailing Address of Present Owner<br><b>101 N Main Street</b> |  |                    |                          |
| City of Present Owner<br><b>Fort Atkinson</b>                |  | State<br><b>WI</b> | ZIP Code<br><b>53538</b> |

|   |   |
|---|---|
| Reason for Removal from Service<br><b>Soil boring</b> | WI Unique Well # of Replacement Well<br>_____ |
|---|---|

**3. Filled & Sealed Well / Drillhole / Borehole Information**

|   |  |
|---|--|
| <input type="checkbox"/> Monitoring Well<br><input type="checkbox"/> Water Well <b>SB-3</b><br><input checked="" type="checkbox"/> Borehole / Drillhole | Original Construction Date (mm/dd/yyyy)<br><b>09/06/2022</b><br>If a Well Construction Report is available, please attach. |
|---|--|

|   |   |                              |
|---|---|------------------------------|
| Construction Type:  |   |                              |
| <input type="checkbox"/> Drilled  | <input type="checkbox"/> Driven (Sandpoint) | <input type="checkbox"/> Dug |
| <input checked="" type="checkbox"/> Other (specify): <b>Direct push</b> |   |                              |

|  |                                  |
|--|----------------------------------|
| Formation Type:  |                                  |
| <input checked="" type="checkbox"/> Unconsolidated Formation | <input type="checkbox"/> Bedrock |

|   |                                    |
|---|------------------------------------|
| Total Well Depth From Ground Surface (ft.)<br><b>10</b> | Casing Diameter (in.)<br><b>NA</b> |
|---|------------------------------------|

|  |                                 |
|--|---------------------------------|
| Lower Drillhole Diameter (in.)<br><b>2</b> | Casing Depth (ft.)<br><b>NA</b> |
|--|---------------------------------|

|                                 |                              |  |                                  |
|---------------------------------|------------------------------|--|----------------------------------|
| Was well annular space grouted? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Unknown |
|---------------------------------|------------------------------|--|----------------------------------|

|  |                                    |
|--|------------------------------------|
| If yes, to what depth (feet)?<br><b>NA</b> | Depth to Water (feet)<br><b>NA</b> |
|--|------------------------------------|

**4. Pump, Liner, Screen, Casing & Sealing Material**

|  |   |  |   |
|--|---|--|---|
| Pump and piping removed?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Liner(s) perforated?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Screen removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Casing left in place?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Was casing cut off below surface?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface?  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |
| Did material settle after 24 hours?  | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A            |
| If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A  |   |  |   |
| If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |   |  |   |

|   |   |
|---|---|
| Required Method of Placing Sealing Material                             |   |
| <input type="checkbox"/> Conductor Pipe-Gravity                         | <input type="checkbox"/> Conductor Pipe-Pumped  |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) | <input type="checkbox"/> Other (Explain): _____ |

|   |   |
|---|---|
| Sealing Materials                                     |   |
| <input type="checkbox"/> Neat Cement Grout            | <input type="checkbox"/> Concrete                   |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout | <input checked="" type="checkbox"/> Bentonite Chips |


|  |   |
|--|---|
| For Monitoring Wells and Monitoring Well Boreholes Only: |   |
| <input checked="" type="checkbox"/> Bentonite Chips      | <input type="checkbox"/> Bentonite - Cement Grout |
| <input type="checkbox"/> Granular Bentonite              | <input type="checkbox"/> Bentonite - Sand Slurry  |

**5. Material Used to Fill Well / Drillhole**

|                             | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|-----------------------------|------------|----------|---|-------------------------|
| <b>3/8" Bentonite chips</b> | Surface    | 10       | <b>&lt;1 bag</b>                                |                         |
|                             |            |          |   |                         |

**6. Comments**

**7. Supervision of Work**      **DNR Use Only**

|  |                    |   |  |                                 |
|--|--------------------|---|--|---------------------------------|
| Name of Person or Firm Doing Filling & Sealing<br><b>Terracon Consultants, Inc</b> | License #<br>_____ | Date of Filling & Sealing or Verification (mm/dd/yyyy)<br><b>09/06/2022</b> | Date Received  | Noted By                        |
| Street or Route<br><b>9856 South 57th Street</b>                                   |                    | Telephone Number<br><b>(414) 423-0255</b>                                   | Comments   |                                 |
| City<br><b>Franklin</b>  | State<br><b>WI</b> | ZIP Code<br><b>53132</b>  | Signature of Person Doing Work<br> | Date Signed<br><b>9/14/2022</b> |

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**Verification Only of Fill and Seal**

**Route to DNR Bureau:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

|   |         |  |  |
|---|---------|--|--|
| County<br><b>Jefferson</b>                                    |         | WI Unique Well # of Removed Well<br>_____                                  | Hicap #<br>_____   |
| Latitude / Longitude (see instructions)<br>_____ N<br>_____ W |         | Format Code<br><input type="checkbox"/> DD<br><input type="checkbox"/> DDM | Method Code<br><input type="checkbox"/> GPS008<br><input type="checkbox"/> SCR002<br><input type="checkbox"/> OTH001 |
| 1/4 / 1/4<br>or Gov't Lot #                                   | Section | Township<br><b>N</b>   | Range<br><input type="checkbox"/> E<br><input type="checkbox"/> W  |
| Well Street Address<br><b>600 Oak Street</b>                  |         |  |  |
| Well City, Village or Town<br><b>City of Fort Atkinson</b>    |         | Well ZIP Code<br><b>53538</b>  |  |
| Subdivision Name  |         | Lot #  |  |

|  |  |                    |                          |
|--|--|--------------------|--------------------------|
| Facility Name<br><b>Former Loeb-Lorman Scrapyard</b>         |  |                    |                          |
| Facility ID (FID or PWS)                                     |  |                    |                          |
| License/Permit/Monitoring #                                  |  |                    |                          |
| Original Well Owner  |  |                    |                          |
| Present Well Owner<br><b>City of Fort Atkinson</b>           |  |                    |                          |
| Mailing Address of Present Owner<br><b>101 N Main Street</b> |  |                    |                          |
| City of Present Owner<br><b>Fort Atkinson</b>                |  | State<br><b>WI</b> | ZIP Code<br><b>53538</b> |

|   |   |
|---|---|
| Reason for Removal from Service<br><b>Soil boring</b> | WI Unique Well # of Replacement Well<br>_____ |
|---|---|

**3. Filled & Sealed Well / Drillhole / Borehole Information**

|   |  |
|---|--|
| <input type="checkbox"/> Monitoring Well<br><input type="checkbox"/> Water Well <b>SB-4</b><br><input checked="" type="checkbox"/> Borehole / Drillhole | Original Construction Date (mm/dd/yyyy)<br><b>09/06/2022</b><br>If a Well Construction Report is available, please attach. |
|---|--|

|   |   |                              |
|---|---|------------------------------|
| Construction Type:  |   |                              |
| <input type="checkbox"/> Drilled  | <input type="checkbox"/> Driven (Sandpoint) | <input type="checkbox"/> Dug |
| <input checked="" type="checkbox"/> Other (specify): <b>Direct push</b> |   |                              |

|  |                                  |
|--|----------------------------------|
| Formation Type:  |                                  |
| <input checked="" type="checkbox"/> Unconsolidated Formation | <input type="checkbox"/> Bedrock |

|   |                                    |
|---|------------------------------------|
| Total Well Depth From Ground Surface (ft.)<br><b>10</b> | Casing Diameter (in.)<br><b>NA</b> |
|---|------------------------------------|

|  |                                 |
|--|---------------------------------|
| Lower Drillhole Diameter (in.)<br><b>2</b> | Casing Depth (ft.)<br><b>NA</b> |
|--|---------------------------------|

|                                 |                              |  |                                  |
|---------------------------------|------------------------------|--|----------------------------------|
| Was well annular space grouted? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Unknown |
|---------------------------------|------------------------------|--|----------------------------------|


|  |                                    |
|--|------------------------------------|
| If yes, to what depth (feet)?<br><b>NA</b> | Depth to Water (feet)<br><b>NA</b> |
|--|------------------------------------|

**5. Material Used to Fill Well / Drillhole**

|                             | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|-----------------------------|------------|----------|---|-------------------------|
| <b>3/8" Bentonite chips</b> | Surface    | 10       | <b>&lt;1 bag</b>                                |                         |

**6. Comments**

**7. Supervision of Work**      **DNR Use Only**

|  |                    |                          |  |                                 |          |
|--|--------------------|--------------------------|--|---------------------------------|----------|
| Name of Person or Firm Doing Filling & Sealing<br><b>Terracon Consultants, Inc</b> |                    | License #                | Date of Filling & Sealing or Verification (mm/dd/yyyy)<br><b>09/06/2022</b>  | Date Received                   | Noted By |
| Street or Route<br><b>9856 South 57th Street</b>                                   |                    |                          | Telephone Number<br><b>(414) 423-0255</b>  | Comments                        |          |
| City<br><b>Franklin</b>  | State<br><b>WI</b> | ZIP Code<br><b>53132</b> | Signature of Person Doing Work<br> | Date Signed<br><b>9/14/2022</b> |          |

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**Verification Only of Fill and Seal**

**Route to DNR Bureau:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

|   |         |  |  |
|---|---------|--|--|
| County<br><b>Jefferson</b>                                    |         | WI Unique Well # of Removed Well<br>_____                                  | Hicap #<br>_____   |
| Latitude / Longitude (see instructions)<br>_____ N<br>_____ W |         | Format Code<br><input type="checkbox"/> DD<br><input type="checkbox"/> DDM | Method Code<br><input type="checkbox"/> GPS008<br><input type="checkbox"/> SCR002<br><input type="checkbox"/> OTH001 |
| ¼ / ¼<br>or Gov't Lot #                                       | Section | Township<br><b>N</b>   | Range<br><input type="checkbox"/> E<br><input type="checkbox"/> W  |
| Well Street Address<br><b>600 Oak Street</b>                  |         |  |  |
| Well City, Village or Town<br><b>City of Fort Atkinson</b>    |         | Well ZIP Code<br><b>53538</b>  |  |
| Subdivision Name  |         | Lot #  |  |

|  |  |                    |                          |
|--|--|--------------------|--------------------------|
| Facility Name<br><b>Former Loeb-Lorman Scrapyard</b>         |  |                    |                          |
| Facility ID (FID or PWS)                                     |  |                    |                          |
| License/Permit/Monitoring #                                  |  |                    |                          |
| Original Well Owner  |  |                    |                          |
| Present Well Owner<br><b>City of Fort Atkinson</b>           |  |                    |                          |
| Mailing Address of Present Owner<br><b>101 N Main Street</b> |  |                    |                          |
| City of Present Owner<br><b>Fort Atkinson</b>                |  | State<br><b>WI</b> | ZIP Code<br><b>53538</b> |

|   |   |
|---|---|
| Reason for Removal from Service<br><b>Soil boring</b> | WI Unique Well # of Replacement Well<br>_____ |
|---|---|

**3. Filled & Sealed Well / Drillhole / Borehole Information**

|   |  |
|---|--|
| <input type="checkbox"/> Monitoring Well<br><input type="checkbox"/> Water Well <b>SB-5</b><br><input checked="" type="checkbox"/> Borehole / Drillhole | Original Construction Date (mm/dd/yyyy)<br><b>09/06/2022</b><br>If a Well Construction Report is available, please attach. |
|---|--|

|   |   |                              |
|---|---|------------------------------|
| Construction Type:  |   |                              |
| <input type="checkbox"/> Drilled  | <input type="checkbox"/> Driven (Sandpoint) | <input type="checkbox"/> Dug |
| <input checked="" type="checkbox"/> Other (specify): <b>Direct push</b> |   |                              |

|  |                                  |
|--|----------------------------------|
| Formation Type:  |                                  |
| <input checked="" type="checkbox"/> Unconsolidated Formation | <input type="checkbox"/> Bedrock |

|   |                                    |
|---|------------------------------------|
| Total Well Depth From Ground Surface (ft.)<br><b>10</b> | Casing Diameter (in.)<br><b>NA</b> |
|---|------------------------------------|

|  |                                 |
|--|---------------------------------|
| Lower Drillhole Diameter (in.)<br><b>2</b> | Casing Depth (ft.)<br><b>NA</b> |
|--|---------------------------------|

|                                 |                              |  |                                  |
|---------------------------------|------------------------------|--|----------------------------------|
| Was well annular space grouted? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Unknown |
|---------------------------------|------------------------------|--|----------------------------------|

|  |                                    |
|--|------------------------------------|
| If yes, to what depth (feet)?<br><b>NA</b> | Depth to Water (feet)<br><b>NA</b> |
|--|------------------------------------|


**4. Pump, Liner, Screen, Casing & Sealing Material**

|  |   |   |   |
|--|---|---|---|
| Pump and piping removed?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Liner(s) perforated?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Screen removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Casing left in place?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Was casing cut off below surface?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface?  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No                         | <input type="checkbox"/> N/A            |
| Did material settle after 24 hours?  | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No              | <input type="checkbox"/> N/A            |
| If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A  |   |   |   |
| If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |   |   |   |
| Required Method of Placing Sealing Material  |   |   |   |
| <input type="checkbox"/> Conductor Pipe-Gravity  |   | <input type="checkbox"/> Conductor Pipe-Pumped      |   |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)  |   | <input type="checkbox"/> Other (Explain): _____     |   |
| Sealing Materials  |   |   |   |
| <input type="checkbox"/> Neat Cement Grout   |   | <input type="checkbox"/> Concrete                   |   |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout  |   | <input checked="" type="checkbox"/> Bentonite Chips |   |
| For Monitoring Wells and Monitoring Well Boreholes Only:   |   |   |   |
| <input checked="" type="checkbox"/> Bentonite Chips  |   | <input type="checkbox"/> Bentonite - Cement Grout   |   |
| <input type="checkbox"/> Granular Bentonite  |   | <input type="checkbox"/> Bentonite - Sand Slurry    |   |

| 5. Material Used to Fill Well / Drillhole | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|---|------------|----------|---|-------------------------|
| <b>3/8" Bentonite chips</b>               | Surface    | 10       | <b>&lt;1 bag</b>                                |                         |
|   |            |          |   |                         |

**6. Comments**

**7. Supervision of Work**      **DNR Use Only**

|  |                    |   |  |                                 |
|--|--------------------|---|--|---------------------------------|
| Name of Person or Firm Doing Filling & Sealing<br><b>Terracon Consultants, Inc</b> | License #          | Date of Filling & Sealing or Verification (mm/dd/yyyy)<br><b>09/06/2022</b> | Date Received  | Noted By                        |
| Street or Route<br><b>9856 South 57th Street</b>                                   |                    | Telephone Number<br><b>(414) 423-0255</b>                                   | Comments   |                                 |
| City<br><b>Franklin</b>  | State<br><b>WI</b> | ZIP Code<br><b>53132</b>  | Signature of Person Doing Work<br> | Date Signed<br><b>9/14/2022</b> |

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**Verification Only of Fill and Seal**

**Route to DNR Bureau:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

|   |         |  |  |
|---|---------|--|--|
| County<br><b>Jefferson</b>                                    |         | WI Unique Well # of Removed Well<br>_____                                  | Hicap #<br>_____   |
| Latitude / Longitude (see instructions)<br>_____ N<br>_____ W |         | Format Code<br><input type="checkbox"/> DD<br><input type="checkbox"/> DDM | Method Code<br><input type="checkbox"/> GPS008<br><input type="checkbox"/> SCR002<br><input type="checkbox"/> OTH001 |
| ¼ / ¼<br>or Gov't Lot #                                       | Section | Township<br><b>N</b>   | Range<br><input type="checkbox"/> E<br><input type="checkbox"/> W  |
| Well Street Address<br><b>600 Oak Street</b>                  |         |  |  |
| Well City, Village or Town<br><b>City of Fort Atkinson</b>    |         | Well ZIP Code<br><b>53538</b>  |  |
| Subdivision Name  |         | Lot #  |  |

|  |  |                    |                          |
|--|--|--------------------|--------------------------|
| Facility Name<br><b>Former Loeb-Lorman Scrapyard</b>         |  |                    |                          |
| Facility ID (FID or PWS)                                     |  |                    |                          |
| License/Permit/Monitoring #                                  |  |                    |                          |
| Original Well Owner  |  |                    |                          |
| Present Well Owner<br><b>City of Fort Atkinson</b>           |  |                    |                          |
| Mailing Address of Present Owner<br><b>101 N Main Street</b> |  |                    |                          |
| City of Present Owner<br><b>Fort Atkinson</b>                |  | State<br><b>WI</b> | ZIP Code<br><b>53538</b> |

|   |   |
|---|---|
| Reason for Removal from Service<br><b>Soil boring</b> | WI Unique Well # of Replacement Well<br>_____ |
|---|---|

**3. Filled & Sealed Well / Drillhole / Borehole Information**

|  |  |
|--|--|
| <input type="checkbox"/> Monitoring Well   | Original Construction Date (mm/dd/yyyy)<br><b>09/06/2022</b> |
| <input type="checkbox"/> Water Well <b>SB-6</b>  | If a Well Construction Report is available, please attach.   |
| <input checked="" type="checkbox"/> Borehole / Drillhole   |  |
| Construction Type:<br><input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug<br><input checked="" type="checkbox"/> Other (specify): <b>Direct push</b> |  |
| Formation Type:<br><input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock   |  |
| Total Well Depth From Ground Surface (ft.)<br><b>10</b>  | Casing Diameter (in.)<br><b>NA</b>                           |
| Lower Drillhole Diameter (in.)<br><b>2</b>   | Casing Depth (ft.)<br><b>NA</b>                              |
| Was well annular space grouted?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown  |  |
| If yes, to what depth (feet)?<br><b>NA</b>   | Depth to Water (feet)<br><b>NA</b>                           |


**4. Pump, Liner, Screen, Casing & Sealing Material**

|  |   |  |   |
|--|---|--|---|
| Pump and piping removed?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Liner(s) perforated?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Screen removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Casing left in place?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Was casing cut off below surface?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface?  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |
| Did material settle after 24 hours?  | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A            |
| If yes, was hole retopped?<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A   |   |  |   |
| If bentonite chips were used, were they hydrated with water from a known safe source?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A  |   |  |   |
| Required Method of Placing Sealing Material<br><input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped<br><input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____ |   |  |   |
| Sealing Materials<br><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete<br><input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips   |   |  |   |
| For Monitoring Wells and Monitoring Well Boreholes Only:<br><input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout<br><input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry        |   |  |   |

| 5. Material Used to Fill Well / Drillhole | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|---|------------|----------|---|-------------------------|
| <b>3/8" Bentonite chips</b>               | Surface    | 10       | <b>&lt;1 bag</b>                                |                         |
|   |            |          |   |                         |

**6. Comments**

**7. Supervision of Work**      **DNR Use Only**

|  |                    |   |  |                                 |
|--|--------------------|---|--|---------------------------------|
| Name of Person or Firm Doing Filling & Sealing<br><b>Terracon Consultants, Inc</b> | License #          | Date of Filling & Sealing or Verification (mm/dd/yyyy)<br><b>09/06/2022</b> | Date Received  | Noted By                        |
| Street or Route<br><b>9856 South 57th Street</b>                                   |                    | Telephone Number<br><b>(414) 423-0255</b>                                   | Comments   |                                 |
| City<br><b>Franklin</b>  | State<br><b>WI</b> | ZIP Code<br><b>53132</b>  | Signature of Person Doing Work<br> | Date Signed<br><b>9/14/2022</b> |

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**Verification Only of Fill and Seal**

**Route to DNR Bureau:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

|   |         |  |  |
|---|---------|--|--|
| County<br><b>Jefferson</b>                                    |         | WI Unique Well # of Removed Well<br>_____                                  | Hicap #<br>_____   |
| Latitude / Longitude (see instructions)<br>_____ N<br>_____ W |         | Format Code<br><input type="checkbox"/> DD<br><input type="checkbox"/> DDM | Method Code<br><input type="checkbox"/> GPS008<br><input type="checkbox"/> SCR002<br><input type="checkbox"/> OTH001 |
| ¼ / ¼<br>or Gov't Lot #                                       | Section | Township<br><b>N</b>   | Range<br><input type="checkbox"/> E<br><input type="checkbox"/> W  |
| Well Street Address<br><b>600 Oak Street</b>                  |         |  |  |
| Well City, Village or Town<br><b>City of Fort Atkinson</b>    |         | Well ZIP Code<br><b>53538</b>  |  |
| Subdivision Name  |         | Lot #  |  |

|  |  |                    |                          |
|--|--|--------------------|--------------------------|
| Facility Name<br><b>Former Loeb-Lorman Scrapyard</b>         |  |                    |                          |
| Facility ID (FID or PWS)                                     |  |                    |                          |
| License/Permit/Monitoring #                                  |  |                    |                          |
| Original Well Owner  |  |                    |                          |
| Present Well Owner<br><b>City of Fort Atkinson</b>           |  |                    |                          |
| Mailing Address of Present Owner<br><b>101 N Main Street</b> |  |                    |                          |
| City of Present Owner<br><b>Fort Atkinson</b>                |  | State<br><b>WI</b> | ZIP Code<br><b>53538</b> |

|   |   |
|---|---|
| Reason for Removal from Service<br><b>Soil boring</b> | WI Unique Well # of Replacement Well<br>_____ |
|---|---|

**3. Filled & Sealed Well / Drillhole / Borehole Information**

|   |  |
|---|--|
| <input type="checkbox"/> Monitoring Well<br><input type="checkbox"/> Water Well <b>SB-7</b><br><input checked="" type="checkbox"/> Borehole / Drillhole | Original Construction Date (mm/dd/yyyy)<br><b>09/06/2022</b><br>If a Well Construction Report is available, please attach. |
|---|--|

|   |   |                              |
|---|---|------------------------------|
| Construction Type:  |   |                              |
| <input type="checkbox"/> Drilled  | <input type="checkbox"/> Driven (Sandpoint) | <input type="checkbox"/> Dug |
| <input checked="" type="checkbox"/> Other (specify): <b>Direct push</b> |   |                              |

|  |                                  |
|--|----------------------------------|
| Formation Type:  |                                  |
| <input checked="" type="checkbox"/> Unconsolidated Formation | <input type="checkbox"/> Bedrock |

|   |                                    |
|---|------------------------------------|
| Total Well Depth From Ground Surface (ft.)<br><b>10</b> | Casing Diameter (in.)<br><b>NA</b> |
|---|------------------------------------|

|  |                                 |
|--|---------------------------------|
| Lower Drillhole Diameter (in.)<br><b>2</b> | Casing Depth (ft.)<br><b>NA</b> |
|--|---------------------------------|

|                                 |                              |  |                                  |
|---------------------------------|------------------------------|--|----------------------------------|
| Was well annular space grouted? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Unknown |
|---------------------------------|------------------------------|--|----------------------------------|

|  |                                    |
|--|------------------------------------|
| If yes, to what depth (feet)?<br><b>NA</b> | Depth to Water (feet)<br><b>NA</b> |
|--|------------------------------------|

**4. Pump, Liner, Screen, Casing & Sealing Material**

|   |   |  |   |
|---|---|--|---|
| Pump and piping removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Liner(s) perforated?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Screen removed?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Casing left in place?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Was casing cut off below surface?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface?   | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |
| Did material settle after 24 hours?   | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A            |
| If yes, was hole retopped?  |   |  |   |
|   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No            | <input checked="" type="checkbox"/> N/A |
| If bentonite chips were used, were they hydrated with water from a known safe source? |   |  |   |
|   | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <input type="checkbox"/> N/A            |

|   |   |
|---|---|
| Required Method of Placing Sealing Material                             |   |
| <input type="checkbox"/> Conductor Pipe-Gravity                         | <input type="checkbox"/> Conductor Pipe-Pumped  |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) | <input type="checkbox"/> Other (Explain): _____ |


|  |   |
|--|---|
| Sealing Materials  |   |
| <input type="checkbox"/> Neat Cement Grout               | <input type="checkbox"/> Concrete                   |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout    | <input checked="" type="checkbox"/> Bentonite Chips |
| For Monitoring Wells and Monitoring Well Boreholes Only: |   |
| <input checked="" type="checkbox"/> Bentonite Chips      | <input type="checkbox"/> Bentonite - Cement Grout   |
| <input type="checkbox"/> Granular Bentonite              | <input type="checkbox"/> Bentonite - Sand Slurry    |

**5. Material Used to Fill Well / Drillhole**

|                             | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|-----------------------------|------------|----------|---|-------------------------|
| <b>3/8" Bentonite chips</b> | Surface    | 10       | <b>&lt;1 bag</b>                                |                         |
|                             |            |          |   |                         |

**6. Comments**

**7. Supervision of Work**      **DNR Use Only**

|  |                    |   |  |                                 |
|--|--------------------|---|--|---------------------------------|
| Name of Person or Firm Doing Filling & Sealing<br><b>Terracon Consultants, Inc</b> | License #          | Date of Filling & Sealing or Verification (mm/dd/yyyy)<br><b>09/06/2022</b> | Date Received  | Noted By                        |
| Street or Route<br><b>9856 South 57th Street</b>                                   |                    | Telephone Number<br><b>(414) 423-0255</b>                                   | Comments   |                                 |
| City<br><b>Franklin</b>  | State<br><b>WI</b> | ZIP Code<br><b>53132</b>  | Signature of Person Doing Work<br> | Date Signed<br><b>9/14/2022</b> |



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**Verification Only of Fill and Seal**

**Route to DNR Bureau:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

|   |         |  |  |
|---|---------|--|--|
| County<br><b>Jefferson</b>                                    |         | WI Unique Well # of Removed Well<br>_____                                  | Hicap #<br>_____   |
| Latitude / Longitude (see instructions)<br>_____ N<br>_____ W |         | Format Code<br><input type="checkbox"/> DD<br><input type="checkbox"/> DDM | Method Code<br><input type="checkbox"/> GPS008<br><input type="checkbox"/> SCR002<br><input type="checkbox"/> OTH001 |
| 1/4 / 1/4<br>or Gov't Lot #                                   | Section | Township<br><b>N</b>   | Range<br><input type="checkbox"/> E<br><input type="checkbox"/> W  |
| Well Street Address<br><b>600 Oak Street</b>                  |         |  |  |
| Well City, Village or Town<br><b>City of Fort Atkinson</b>    |         | Well ZIP Code<br><b>53538</b>  |  |
| Subdivision Name  |         | Lot #  |  |

|  |  |                    |                          |
|--|--|--------------------|--------------------------|
| Facility Name<br><b>Former Loeb-Lorman Scrapyard</b>         |  |                    |                          |
| Facility ID (FID or PWS)                                     |  |                    |                          |
| License/Permit/Monitoring #                                  |  |                    |                          |
| Original Well Owner  |  |                    |                          |
| Present Well Owner<br><b>City of Fort Atkinson</b>           |  |                    |                          |
| Mailing Address of Present Owner<br><b>101 N Main Street</b> |  |                    |                          |
| City of Present Owner<br><b>Fort Atkinson</b>                |  | State<br><b>WI</b> | ZIP Code<br><b>53538</b> |

|   |   |
|---|---|
| Reason for Removal from Service<br><b>Soil boring</b> | WI Unique Well # of Replacement Well<br>_____ |
|---|---|

**3. Filled & Sealed Well / Drillhole / Borehole Information**

|   |  |
|---|--|
| <input type="checkbox"/> Monitoring Well<br><input type="checkbox"/> Water Well <b>SB-8</b><br><input checked="" type="checkbox"/> Borehole / Drillhole | Original Construction Date (mm/dd/yyyy)<br><b>09/06/2022</b><br>If a Well Construction Report is available, please attach. |
|---|--|

|   |   |                              |
|---|---|------------------------------|
| Construction Type:  |   |                              |
| <input type="checkbox"/> Drilled  | <input type="checkbox"/> Driven (Sandpoint) | <input type="checkbox"/> Dug |
| <input checked="" type="checkbox"/> Other (specify): <b>Direct push</b> |   |                              |

|  |                                  |
|--|----------------------------------|
| Formation Type:  |                                  |
| <input checked="" type="checkbox"/> Unconsolidated Formation | <input type="checkbox"/> Bedrock |

|   |                                    |
|---|------------------------------------|
| Total Well Depth From Ground Surface (ft.)<br><b>10</b> | Casing Diameter (in.)<br><b>NA</b> |
|---|------------------------------------|

|  |                                 |
|--|---------------------------------|
| Lower Drillhole Diameter (in.)<br><b>2</b> | Casing Depth (ft.)<br><b>NA</b> |
|--|---------------------------------|

|                                 |                              |  |                                  |
|---------------------------------|------------------------------|--|----------------------------------|
| Was well annular space grouted? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Unknown |
|---------------------------------|------------------------------|--|----------------------------------|

|  |                                    |
|--|------------------------------------|
| If yes, to what depth (feet)?<br><b>NA</b> | Depth to Water (feet)<br><b>NA</b> |
|--|------------------------------------|


**4. Pump, Liner, Screen, Casing & Sealing Material**

|  |   |   |   |
|--|---|---|---|
| Pump and piping removed?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Liner(s) perforated?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Screen removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Casing left in place?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Was casing cut off below surface?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface?  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No                         | <input type="checkbox"/> N/A            |
| Did material settle after 24 hours?  | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No              | <input type="checkbox"/> N/A            |
| If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A  |   |   |   |
| If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |   |   |   |
| Required Method of Placing Sealing Material  |   |   |   |
| <input type="checkbox"/> Conductor Pipe-Gravity  |   | <input type="checkbox"/> Conductor Pipe-Pumped      |   |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)  |   | <input type="checkbox"/> Other (Explain): _____     |   |
| Sealing Materials  |   |   |   |
| <input type="checkbox"/> Neat Cement Grout   |   | <input type="checkbox"/> Concrete                   |   |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout  |   | <input checked="" type="checkbox"/> Bentonite Chips |   |
| For Monitoring Wells and Monitoring Well Boreholes Only:   |   |   |   |
| <input checked="" type="checkbox"/> Bentonite Chips  |   | <input type="checkbox"/> Bentonite - Cement Grout   |   |
| <input type="checkbox"/> Granular Bentonite  |   | <input type="checkbox"/> Bentonite - Sand Slurry    |   |

| 5. Material Used to Fill Well / Drillhole | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|---|------------|----------|---|-------------------------|
| <b>3/8" Bentonite chips</b>               | Surface    | 10       | <b>&lt;1 bag</b>                                |                         |
|   |            |          |   |                         |

**6. Comments**

**7. Supervision of Work**      **DNR Use Only**

|  |                    |   |  |                                 |
|--|--------------------|---|--|---------------------------------|
| Name of Person or Firm Doing Filling & Sealing<br><b>Terracon Consultants, Inc</b> | License #          | Date of Filling & Sealing or Verification (mm/dd/yyyy)<br><b>09/06/2022</b> | Date Received  | Noted By                        |
| Street or Route<br><b>9856 South 57th Street</b>                                   |                    | Telephone Number<br><b>(414) 423-0255</b>                                   | Comments   |                                 |
| City<br><b>Franklin</b>  | State<br><b>WI</b> | ZIP Code<br><b>53132</b>  | Signature of Person Doing Work<br> | Date Signed<br><b>9/14/2022</b> |

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**Verification Only of Fill and Seal**

**Route to DNR Bureau:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

|   |         |  |  |
|---|---------|--|--|
| County<br><b>Jefferson</b>                                    |         | WI Unique Well # of Removed Well<br>_____                                  | Hicap #<br>_____   |
| Latitude / Longitude (see instructions)<br>_____ N<br>_____ W |         | Format Code<br><input type="checkbox"/> DD<br><input type="checkbox"/> DDM | Method Code<br><input type="checkbox"/> GPS008<br><input type="checkbox"/> SCR002<br><input type="checkbox"/> OTH001 |
| ¼ / ¼<br>or Gov't Lot #                                       | Section | Township<br><b>N</b>   | Range<br><input type="checkbox"/> E<br><input type="checkbox"/> W  |
| Well Street Address<br><b>600 Oak Street</b>                  |         |  |  |
| Well City, Village or Town<br><b>City of Fort Atkinson</b>    |         | Well ZIP Code<br><b>53538</b>  |  |
| Subdivision Name  |         | Lot #  |  |

|  |                    |                          |
|--|--------------------|--------------------------|
| Facility Name<br><b>Former Loeb-Lorman Scrapyard</b>         |                    |                          |
| Facility ID (FID or PWS)<br>_____                            |                    |                          |
| License/Permit/Monitoring #<br>_____                         |                    |                          |
| Original Well Owner<br>_____                                 |                    |                          |
| Present Well Owner<br><b>City of Fort Atkinson</b>           |                    |                          |
| Mailing Address of Present Owner<br><b>101 N Main Street</b> |                    |                          |
| City of Present Owner<br><b>Fort Atkinson</b>                | State<br><b>WI</b> | ZIP Code<br><b>53538</b> |

|   |   |
|---|---|
| Reason for Removal from Service<br><b>Soil boring</b> | WI Unique Well # of Replacement Well<br>_____ |
|---|---|

**3. Filled & Sealed Well / Drillhole / Borehole Information**

|   |  |
|---|--|
| <input type="checkbox"/> Monitoring Well<br><input type="checkbox"/> Water Well <b>SB-9</b><br><input checked="" type="checkbox"/> Borehole / Drillhole | Original Construction Date (mm/dd/yyyy)<br><b>09/06/2022</b><br>If a Well Construction Report is available, please attach. |
|---|--|

|   |   |                              |
|---|---|------------------------------|
| Construction Type:  |   |                              |
| <input type="checkbox"/> Drilled  | <input type="checkbox"/> Driven (Sandpoint) | <input type="checkbox"/> Dug |
| <input checked="" type="checkbox"/> Other (specify): <b>Direct push</b> |   |                              |

|  |                                  |
|--|----------------------------------|
| Formation Type:  |                                  |
| <input checked="" type="checkbox"/> Unconsolidated Formation | <input type="checkbox"/> Bedrock |

|   |                                    |
|---|------------------------------------|
| Total Well Depth From Ground Surface (ft.)<br><b>10</b> | Casing Diameter (in.)<br><b>NA</b> |
|---|------------------------------------|

|  |                                 |
|--|---------------------------------|
| Lower Drillhole Diameter (in.)<br><b>2</b> | Casing Depth (ft.)<br><b>NA</b> |
|--|---------------------------------|

|                                 |                              |  |                                  |
|---------------------------------|------------------------------|--|----------------------------------|
| Was well annular space grouted? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Unknown |
|---------------------------------|------------------------------|--|----------------------------------|


|  |                                    |
|--|------------------------------------|
| If yes, to what depth (feet)?<br><b>NA</b> | Depth to Water (feet)<br><b>NA</b> |
|--|------------------------------------|

**5. Material Used to Fill Well / Drillhole**

| Material                    | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|-----------------------------|------------|----------|---|-------------------------|
| <b>3/8" Bentonite chips</b> | Surface    | 10       | <b>&lt;1 bag</b>                                |                         |

**6. Comments**

**7. Supervision of Work**      **DNR Use Only**

|  |                    |   |  |                                 |
|--|--------------------|---|--|---------------------------------|
| Name of Person or Firm Doing Filling & Sealing<br><b>Terracon Consultants, Inc</b> | License #          | Date of Filling & Sealing or Verification (mm/dd/yyyy)<br><b>09/06/2022</b> | Date Received  | Noted By                        |
| Street or Route<br><b>9856 South 57th Street</b>                                   |                    | Telephone Number<br><b>(414) 423-0255</b>                                   | Comments   |                                 |
| City<br><b>Franklin</b>  | State<br><b>WI</b> | ZIP Code<br><b>53132</b>  | Signature of Person Doing Work<br> | Date Signed<br><b>9/14/2022</b> |

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**Verification Only of Fill and Seal**

**Route to DNR Bureau:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

|   |         |  |  |
|---|---------|--|--|
| County<br><b>Jefferson</b>                                    |         | WI Unique Well # of Removed Well<br>_____                                  | Hicap #<br>_____   |
| Latitude / Longitude (see instructions)<br>_____ N<br>_____ W |         | Format Code<br><input type="checkbox"/> DD<br><input type="checkbox"/> DDM | Method Code<br><input type="checkbox"/> GPS008<br><input type="checkbox"/> SCR002<br><input type="checkbox"/> OTH001 |
| 1/4 / 1/4<br>or Gov't Lot #                                   | Section | Township<br><b>N</b>   | Range<br><input type="checkbox"/> E<br><input type="checkbox"/> W  |
| Well Street Address<br><b>600 Oak Street</b>                  |         |  |  |
| Well City, Village or Town<br><b>City of Fort Atkinson</b>    |         | Well ZIP Code<br><b>53538</b>  |  |
| Subdivision Name  |         | Lot #  |  |

|  |  |                    |                          |
|--|--|--------------------|--------------------------|
| Facility Name<br><b>Former Loeb-Lorman Scrapyard</b>         |  |                    |                          |
| Facility ID (FID or PWS)                                     |  |                    |                          |
| License/Permit/Monitoring #                                  |  |                    |                          |
| Original Well Owner  |  |                    |                          |
| Present Well Owner<br><b>City of Fort Atkinson</b>           |  |                    |                          |
| Mailing Address of Present Owner<br><b>101 N Main Street</b> |  |                    |                          |
| City of Present Owner<br><b>Fort Atkinson</b>                |  | State<br><b>WI</b> | ZIP Code<br><b>53538</b> |

|   |   |
|---|---|
| Reason for Removal from Service<br><b>Soil boring</b> | WI Unique Well # of Replacement Well<br>_____ |
|---|---|

**3. Filled & Sealed Well / Drillhole / Borehole Information**

|  |  |
|--|--|
| <input type="checkbox"/> Monitoring Well<br><input type="checkbox"/> Water Well <b>SB-10</b><br><input checked="" type="checkbox"/> Borehole / Drillhole | Original Construction Date (mm/dd/yyyy)<br><b>09/06/2022</b><br>If a Well Construction Report is available, please attach. |
|--|--|

|   |   |                              |
|---|---|------------------------------|
| Construction Type:  |   |                              |
| <input type="checkbox"/> Drilled  | <input type="checkbox"/> Driven (Sandpoint) | <input type="checkbox"/> Dug |
| <input checked="" type="checkbox"/> Other (specify): <b>Direct push</b> |   |                              |

|  |                                  |
|--|----------------------------------|
| Formation Type:  |                                  |
| <input checked="" type="checkbox"/> Unconsolidated Formation | <input type="checkbox"/> Bedrock |

|   |                                    |
|---|------------------------------------|
| Total Well Depth From Ground Surface (ft.)<br><b>10</b> | Casing Diameter (in.)<br><b>NA</b> |
|---|------------------------------------|

|  |                                 |
|--|---------------------------------|
| Lower Drillhole Diameter (in.)<br><b>2</b> | Casing Depth (ft.)<br><b>NA</b> |
|--|---------------------------------|

|                                 |                              |  |                                  |
|---------------------------------|------------------------------|--|----------------------------------|
| Was well annular space grouted? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Unknown |
|---------------------------------|------------------------------|--|----------------------------------|

|  |                                    |
|--|------------------------------------|
| If yes, to what depth (feet)?<br><b>NA</b> | Depth to Water (feet)<br><b>NA</b> |
|--|------------------------------------|


**4. Pump, Liner, Screen, Casing & Sealing Material**

|  |   |   |   |
|--|---|---|---|
| Pump and piping removed?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Liner(s) perforated?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Screen removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Casing left in place?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Was casing cut off below surface?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface?  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No                         | <input type="checkbox"/> N/A            |
| Did material settle after 24 hours?  | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No              | <input type="checkbox"/> N/A            |
| If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A  |   |   |   |
| If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |   |   |   |
| Required Method of Placing Sealing Material  |   |   |   |
| <input type="checkbox"/> Conductor Pipe-Gravity  |   | <input type="checkbox"/> Conductor Pipe-Pumped      |   |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)  |   | <input type="checkbox"/> Other (Explain): _____     |   |
| Sealing Materials  |   |   |   |
| <input type="checkbox"/> Neat Cement Grout   |   | <input type="checkbox"/> Concrete                   |   |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout  |   | <input checked="" type="checkbox"/> Bentonite Chips |   |
| For Monitoring Wells and Monitoring Well Boreholes Only:   |   |   |   |
| <input checked="" type="checkbox"/> Bentonite Chips  |   | <input type="checkbox"/> Bentonite - Cement Grout   |   |
| <input type="checkbox"/> Granular Bentonite  |   | <input type="checkbox"/> Bentonite - Sand Slurry    |   |

| 5. Material Used to Fill Well / Drillhole | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|---|------------|----------|---|-------------------------|
| <b>3/8" Bentonite chips</b>               | Surface    | 10       | <b>&lt;1 bag</b>                                |                         |
|   |            |          |   |                         |

**6. Comments**

**7. Supervision of Work**      **DNR Use Only**

|  |                    |   |  |                                 |
|--|--------------------|---|--|---------------------------------|
| Name of Person or Firm Doing Filling & Sealing<br><b>Terracon Consultants, Inc</b> | License #          | Date of Filling & Sealing or Verification (mm/dd/yyyy)<br><b>09/06/2022</b> | Date Received  | Noted By                        |
| Street or Route<br><b>9856 South 57th Street</b>                                   |                    | Telephone Number<br><b>(414) 423-0255</b>                                   | Comments   |                                 |
| City<br><b>Franklin</b>  | State<br><b>WI</b> | ZIP Code<br><b>53132</b>  | Signature of Person Doing Work<br> | Date Signed<br><b>9/14/2022</b> |

**Notice:** Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

**Verification Only of Fill and Seal**

**Route to DNR Bureau:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

|   |         |  |  |
|---|---------|--|--|
| County<br><b>Jefferson</b>                                    |         | WI Unique Well # of Removed Well<br>_____                                  | Hicap #<br>_____   |
| Latitude / Longitude (see instructions)<br>_____ N<br>_____ W |         | Format Code<br><input type="checkbox"/> DD<br><input type="checkbox"/> DDM | Method Code<br><input type="checkbox"/> GPS008<br><input type="checkbox"/> SCR002<br><input type="checkbox"/> OTH001 |
| 1/4 / 1/4<br>or Gov't Lot #                                   | Section | Township<br><b>N</b>   | Range<br><input type="checkbox"/> E<br><input type="checkbox"/> W  |
| Well Street Address<br><b>600 Oak Street</b>                  |         |  |  |
| Well City, Village or Town<br><b>City of Fort Atkinson</b>    |         | Well ZIP Code<br><b>53538</b>  |  |
| Subdivision Name  |         | Lot #  |  |

|  |  |                    |                          |
|--|--|--------------------|--------------------------|
| Facility Name<br><b>Former Loeb-Lorman Scrapyard</b>         |  |                    |                          |
| Facility ID (FID or PWS)                                     |  |                    |                          |
| License/Permit/Monitoring #                                  |  |                    |                          |
| Original Well Owner  |  |                    |                          |
| Present Well Owner<br><b>City of Fort Atkinson</b>           |  |                    |                          |
| Mailing Address of Present Owner<br><b>101 N Main Street</b> |  |                    |                          |
| City of Present Owner<br><b>Fort Atkinson</b>                |  | State<br><b>WI</b> | ZIP Code<br><b>53538</b> |

|   |   |
|---|---|
| Reason for Removal from Service<br><b>Soil boring</b> | WI Unique Well # of Replacement Well<br>_____ |
|---|---|

**3. Filled & Sealed Well / Drillhole / Borehole Information**

|  |  |
|--|--|
| <input type="checkbox"/> Monitoring Well                 | Original Construction Date (mm/dd/yyyy)<br><b>09/06/2022</b> |
| <input type="checkbox"/> Water Well <b>SB-11</b>         |  |
| <input checked="" type="checkbox"/> Borehole / Drillhole | If a Well Construction Report is available, please attach.   |

|   |   |                              |
|---|---|------------------------------|
| Construction Type:  |   |                              |
| <input type="checkbox"/> Drilled  | <input type="checkbox"/> Driven (Sandpoint) | <input type="checkbox"/> Dug |
| <input checked="" type="checkbox"/> Other (specify): <b>Direct push</b> |   |                              |

|  |                                  |
|--|----------------------------------|
| Formation Type:  |                                  |
| <input checked="" type="checkbox"/> Unconsolidated Formation | <input type="checkbox"/> Bedrock |

|   |                                    |
|---|------------------------------------|
| Total Well Depth From Ground Surface (ft.)<br><b>10</b> | Casing Diameter (in.)<br><b>NA</b> |
|---|------------------------------------|

|  |                                 |
|--|---------------------------------|
| Lower Drillhole Diameter (in.)<br><b>2</b> | Casing Depth (ft.)<br><b>NA</b> |
|--|---------------------------------|

|                                 |                              |  |                                  |
|---------------------------------|------------------------------|--|----------------------------------|
| Was well annular space grouted? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Unknown |
|---------------------------------|------------------------------|--|----------------------------------|

|  |                                    |
|--|------------------------------------|
| If yes, to what depth (feet)?<br><b>NA</b> | Depth to Water (feet)<br><b>NA</b> |
|--|------------------------------------|

**4. Pump, Liner, Screen, Casing & Sealing Material**

|   |   |   |   |
|---|---|---|---|
| Pump and piping removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Liner(s) perforated?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Screen removed?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Casing left in place?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Was casing cut off below surface?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface?   | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No                         | <input type="checkbox"/> N/A            |
| Did material settle after 24 hours?   | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No              | <input type="checkbox"/> N/A            |
| If yes, was hole retopped?  |   |   |   |
|   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| If bentonite chips were used, were they hydrated with water from a known safe source? |   |   |   |
|   | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No                         | <input type="checkbox"/> N/A            |
| Required Method of Placing Sealing Material   |   |   |   |
| <input type="checkbox"/> Conductor Pipe-Gravity                                       |   | <input type="checkbox"/> Conductor Pipe-Pumped      |   |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)               |   | <input type="checkbox"/> Other (Explain): _____     |   |
| Sealing Materials   |   |   |   |
| <input type="checkbox"/> Neat Cement Grout  |   | <input type="checkbox"/> Concrete                   |   |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout                                 |   | <input checked="" type="checkbox"/> Bentonite Chips |   |
| For Monitoring Wells and Monitoring Well Boreholes Only:                              |   |   |   |
| <input checked="" type="checkbox"/> Bentonite Chips                                   |   | <input type="checkbox"/> Bentonite - Cement Grout   |   |
| <input type="checkbox"/> Granular Bentonite   |   | <input type="checkbox"/> Bentonite - Sand Slurry    |   |

| 5. Material Used to Fill Well / Drillhole |                |   |                         |
|---|----------------|---|-------------------------|
| From (ft.)                                | To (ft.)       | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
| <b>3/8" Bentonite chips</b>               | <b>Surface</b> | <b>10</b>                                       | <b>&lt;1 bag</b>        |

**6. Comments**

**7. Supervision of Work**      **DNR Use Only**

|  |                    |   |                                    |                                 |
|--|--------------------|---|------------------------------------|---------------------------------|
| Name of Person or Firm Doing Filling & Sealing<br><b>Terracon Consultants, Inc</b> | License #          | Date of Filling & Sealing or Verification (mm/dd/yyyy)<br><b>09/06/2022</b> | Date Received                      | Noted By                        |
| Street or Route<br><b>9856 South 57th Street</b>                                   |                    | Telephone Number<br><b>(414) 423-0255</b>                                   | Comments                           |                                 |
| City<br><b>Franklin</b>  | State<br><b>WI</b> | ZIP Code<br><b>53132</b>  | Signature of Person Doing Work<br> | Date Signed<br><b>9/14/2022</b> |

**Notice:** Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

**Verification Only of Fill and Seal**

**Route to DNR Bureau:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**      **2. Facility / Owner Information**

|   |         |  |  |
|---|---------|--|--|
| County<br><b>Jefferson</b>                                    |         | WI Unique Well # of Removed Well<br>_____                                  | Hicap #<br>_____   |
| Latitude / Longitude (see instructions)<br>_____ N<br>_____ W |         | Format Code<br><input type="checkbox"/> DD<br><input type="checkbox"/> DDM | Method Code<br><input type="checkbox"/> GPS008<br><input type="checkbox"/> SCR002<br><input type="checkbox"/> OTH001 |
| 1/4 / 1/4<br>or Gov't Lot #                                   | Section | Township<br><b>N</b>   | Range<br><input type="checkbox"/> E<br><input type="checkbox"/> W  |
| Well Street Address<br><b>600 Oak Street</b>                  |         |  |  |
| Well City, Village or Town<br><b>City of Fort Atkinson</b>    |         | Well ZIP Code<br><b>53538</b>  |  |
| Subdivision Name  |         | Lot #  |  |

|  |  |                    |                          |
|--|--|--------------------|--------------------------|
| Facility Name<br><b>Former Loeb-Lorman Scrapyard</b>         |  |                    |                          |
| Facility ID (FID or PWS)                                     |  |                    |                          |
| License/Permit/Monitoring #                                  |  |                    |                          |
| Original Well Owner  |  |                    |                          |
| Present Well Owner<br><b>City of Fort Atkinson</b>           |  |                    |                          |
| Mailing Address of Present Owner<br><b>101 N Main Street</b> |  |                    |                          |
| City of Present Owner<br><b>Fort Atkinson</b>                |  | State<br><b>WI</b> | ZIP Code<br><b>53538</b> |

|   |   |
|---|---|
| Reason for Removal from Service<br><b>Soil boring</b> | WI Unique Well # of Replacement Well<br>_____ |
|---|---|

**3. Filled & Sealed Well / Drillhole / Borehole Information**

|  |  |
|--|--|
| <input type="checkbox"/> Monitoring Well<br><input type="checkbox"/> Water Well <b>SB-12</b><br><input checked="" type="checkbox"/> Borehole / Drillhole | Original Construction Date (mm/dd/yyyy)<br><b>09/06/2022</b><br>If a Well Construction Report is available, please attach. |
|--|--|

|   |   |                              |
|---|---|------------------------------|
| Construction Type:  |   |                              |
| <input type="checkbox"/> Drilled  | <input type="checkbox"/> Driven (Sandpoint) | <input type="checkbox"/> Dug |
| <input checked="" type="checkbox"/> Other (specify): <b>Direct push</b> |   |                              |

|  |                                  |
|--|----------------------------------|
| Formation Type:  |                                  |
| <input checked="" type="checkbox"/> Unconsolidated Formation | <input type="checkbox"/> Bedrock |

|   |                                    |
|---|------------------------------------|
| Total Well Depth From Ground Surface (ft.)<br><b>10</b> | Casing Diameter (in.)<br><b>NA</b> |
|---|------------------------------------|

|  |                                 |
|--|---------------------------------|
| Lower Drillhole Diameter (in.)<br><b>2</b> | Casing Depth (ft.)<br><b>NA</b> |
|--|---------------------------------|

|                                 |                              |  |                                  |
|---------------------------------|------------------------------|--|----------------------------------|
| Was well annular space grouted? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Unknown |
|---------------------------------|------------------------------|--|----------------------------------|

|  |                                    |
|--|------------------------------------|
| If yes, to what depth (feet)?<br><b>NA</b> | Depth to Water (feet)<br><b>NA</b> |
|--|------------------------------------|


**4. Pump, Liner, Screen, Casing & Sealing Material**

|  |   |   |   |
|--|---|---|---|
| Pump and piping removed?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Liner(s) removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Liner(s) perforated?   | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Screen removed?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Casing left in place?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Was casing cut off below surface?  | <input type="checkbox"/> Yes            | <input type="checkbox"/> No                         | <input checked="" type="checkbox"/> N/A |
| Did sealing material rise to surface?  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No                         | <input type="checkbox"/> N/A            |
| Did material settle after 24 hours?  | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No              | <input type="checkbox"/> N/A            |
| If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A  |   |   |   |
| If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |   |   |   |
| Required Method of Placing Sealing Material  |   |   |   |
| <input type="checkbox"/> Conductor Pipe-Gravity  |   | <input type="checkbox"/> Conductor Pipe-Pumped      |   |
| <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)  |   | <input type="checkbox"/> Other (Explain): _____     |   |
| Sealing Materials  |   |   |   |
| <input type="checkbox"/> Neat Cement Grout   |   | <input type="checkbox"/> Concrete                   |   |
| <input type="checkbox"/> Sand-Cement (Concrete) Grout  |   | <input checked="" type="checkbox"/> Bentonite Chips |   |
| For Monitoring Wells and Monitoring Well Boreholes Only:   |   |   |   |
| <input checked="" type="checkbox"/> Bentonite Chips  |   | <input type="checkbox"/> Bentonite - Cement Grout   |   |
| <input type="checkbox"/> Granular Bentonite  |   | <input type="checkbox"/> Bentonite - Sand Slurry    |   |

| 5. Material Used to Fill Well / Drillhole | From (ft.) | To (ft.) | No. Yards, Sacks Sealant or Volume (circle one) | Mix Ratio or Mud Weight |
|---|------------|----------|---|-------------------------|
| <b>3/8" Bentonite chips</b>               | Surface    | 10       | <b>&lt;1 bag</b>                                |                         |
|   |            |          |   |                         |

**6. Comments**

**7. Supervision of Work**      **DNR Use Only**

|  |                    |   |  |                                 |
|--|--------------------|---|--|---------------------------------|
| Name of Person or Firm Doing Filling & Sealing<br><b>Terracon Consultants, Inc</b> | License #          | Date of Filling & Sealing or Verification (mm/dd/yyyy)<br><b>09/06/2022</b> | Date Received  | Noted By                        |
| Street or Route<br><b>9856 South 57th Street</b>                                   |                    | Telephone Number<br><b>(414) 423-0255</b>                                   | Comments   |                                 |
| City<br><b>Franklin</b>  | State<br><b>WI</b> | ZIP Code<br><b>53132</b>  | Signature of Person Doing Work<br> | Date Signed<br><b>9/14/2022</b> |

## Appendix D Photographs





**Photo #1** Photograph of Blastox stabilization agent used within excavation Areas 1 and 2.



**Photo #2** Photograph of soil stabilization of excavation Area 1 facing northeast.



**Photo #3** Photograph of soil stabilization of excavation Area 1 facing southwest.



**Photo #4** Photograph of soil stabilization of excavation Area 1 facing northwest.



**Photo #5** Photograph of soil stabilization of excavation Area 1 facing west.



**Photo #6** Photograph of soil stabilization of excavation Area 1 facing east.





**Photo #7** Photograph of soil stabilization of excavation Area 1.



**Photo #8** Photograph of soil excavation and disposal of Area 1.



**Photo #9** Photograph of soil excavation and disposal of Area 2.



**Photo #10** Photograph of soil excavation and disposal of Area 1 facing northeast.



**Photo #11** Photograph of backfilled soil excavation Area 1.



**Photo #12** Photograph of backfilled soil excavation Area 1 and 2.



Appendix E  
Laboratory Analytical Reports and Chain of  
Custody Forms

September 27, 2022

Tim Welch  
Terracon, Inc. - Franklin  
9856 South 57th Street  
Franklin, WI 53132

RE: Project: 58217147/LOEB-LORMAN SCRAPYARD  
Pace Project No.: 40250983

Dear Tim Welch:


Enclosed are the analytical results for sample(s) received by the laboratory on September 07, 2022. 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

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Ryan Johnson, Terracon, Inc. - Franklin



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

---

### **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

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

| Lab ID      | Sample ID | Matrix | Date Collected | Date Received  |
|-------------|-----------|--------|----------------|----------------|
| 40250983001 | SB-1(1)   | Solid  | 09/06/22 10:45 | 09/07/22 08:10 |
| 40250983002 | SB-1(3)   | Solid  | 09/06/22 10:50 | 09/07/22 08:10 |
| 40250983003 | SB-1(8)   | Solid  | 09/06/22 10:55 | 09/07/22 08:10 |
| 40250983004 | SB-2(1)   | Solid  | 09/06/22 11:05 | 09/07/22 08:10 |
| 40250983005 | SB-2(4)   | Solid  | 09/06/22 11:10 | 09/07/22 08:10 |
| 40250983006 | SB-2(7)   | Solid  | 09/06/22 11:15 | 09/07/22 08:10 |
| 40250983007 | SB-3(1)   | Solid  | 09/06/22 11:25 | 09/07/22 08:10 |
| 40250983008 | SB-3(3)   | Solid  | 09/06/22 11:30 | 09/07/22 08:10 |
| 40250983009 | SB-3(7)   | Solid  | 09/06/22 11:35 | 09/07/22 08:10 |
| 40250983010 | SB-4(1)   | Solid  | 09/06/22 11:45 | 09/07/22 08:10 |
| 40250983011 | SB-4(4)   | Solid  | 09/06/22 11:50 | 09/07/22 08:10 |
| 40250983012 | SB-4(8)   | Solid  | 09/06/22 11:55 | 09/07/22 08:10 |
| 40250983013 | SB-5(1)   | Solid  | 09/06/22 12:00 | 09/07/22 08:10 |
| 40250983014 | SB-5(4)   | Solid  | 09/06/22 12:05 | 09/07/22 08:10 |
| 40250983015 | SB-5(7)   | Solid  | 09/06/22 12:10 | 09/07/22 08:10 |
| 40250983016 | SB-6(1)   | Solid  | 09/06/22 14:00 | 09/07/22 08:10 |
| 40250983017 | SB-6(3)   | Solid  | 09/06/22 14:05 | 09/07/22 08:10 |
| 40250983018 | SB-6(7)   | Solid  | 09/06/22 14:10 | 09/07/22 08:10 |
| 40250983019 | SB-7(1)   | Solid  | 09/06/22 12:15 | 09/07/22 08:10 |
| 40250983020 | SB-7(4)   | Solid  | 09/06/22 12:20 | 09/07/22 08:10 |
| 40250983021 | SB-7(7)   | Solid  | 09/06/22 00:00 | 09/07/22 08:10 |
| 40250983022 | SB-8(1)   | Solid  | 09/06/22 00:00 | 09/07/22 08:10 |
| 40250983023 | SB-8(4)   | Solid  | 09/06/22 00:00 | 09/07/22 08:10 |
| 40250983024 | SB-8(7)   | Solid  | 09/06/22 00:00 | 09/07/22 08:10 |
| 40250983025 | SB-9(1)   | Solid  | 09/06/22 00:00 | 09/07/22 08:10 |
| 40250983026 | SB-9(3)   | Solid  | 09/06/22 00:00 | 09/07/22 08:10 |
| 40250983027 | SB-9(7)   | Solid  | 09/06/22 00:00 | 09/07/22 08:10 |
| 40250983028 | SB-10(1)  | Solid  | 09/06/22 00:00 | 09/07/22 08:10 |
| 40250983029 | SB-10(3)  | Solid  | 09/06/22 00:00 | 09/07/22 08:10 |
| 40250983030 | SB-10(7)  | Solid  | 09/06/22 00:00 | 09/07/22 08:10 |
| 40250983031 | SB-11(1)  | Solid  | 09/06/22 13:45 | 09/07/22 08:10 |
| 40250983032 | SB-11(2)  | Solid  | 09/06/22 13:50 | 09/07/22 08:10 |
| 40250983033 | SB-11(7)  | Solid  | 09/06/22 13:55 | 09/07/22 08:10 |
| 40250983034 | SB-12(1)  | Solid  | 09/06/22 13:00 | 09/07/22 08:10 |
| 40250983035 | SB-12(3)  | Solid  | 09/06/22 13:05 | 09/07/22 08:10 |
| 40250983036 | SB-12(7)  | Solid  | 09/06/22 13:10 | 09/07/22 08:10 |

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

| Lab ID      | Sample ID | Method        | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|---------------|----------|-------------------|------------|
| 40250983001 | SB-1(1)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | GNS      | 1                 | PASI-G     |
| 40250983002 | SB-1(3)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40250983003 | SB-1(8)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40250983004 | SB-2(1)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | GNS      | 1                 | PASI-G     |
| 40250983005 | SB-2(4)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40250983006 | SB-2(7)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40250983007 | SB-3(1)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MRP      | 1                 | PASI-G     |
| 40250983008 | SB-3(3)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40250983009 | SB-3(7)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40250983010 | SB-4(1)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MRP      | 1                 | PASI-G     |
| 40250983011 | SB-4(4)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40250983012 | SB-4(8)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40250983013 | SB-5(1)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MRP      | 1                 | PASI-G     |
| 40250983014 | SB-5(4)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40250983015 | SB-5(7)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40250983016 | SB-6(1)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MRP      | 1                 | PASI-G     |
| 40250983017 | SB-6(3)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40250983018 | SB-6(7)   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40250983019 | SB-7(1)   | EPA 6010D     | SIS      | 1                 | PASI-G     |

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### SAMPLE ANALYTE COUNT

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

| Lab ID      | Sample ID | Method        | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|---------------|----------|-------------------|------------|
| 40250983020 | SB-7(4)   | ASTM D2974-87 | MRP      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
| 40250983021 | SB-7(7)   | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
| 40250983022 | SB-8(1)   | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
| 40250983023 | SB-8(4)   | ASTM D2974-87 | MRP      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
| 40250983024 | SB-8(7)   | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
| 40250983025 | SB-9(1)   | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
| 40250983026 | SB-9(3)   | ASTM D2974-87 | MRP      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
| 40250983027 | SB-9(7)   | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
| 40250983028 | SB-10(1)  | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
| 40250983029 | SB-10(3)  | ASTM D2974-87 | MRP      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
| 40250983030 | SB-10(7)  | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
| 40250983034 | SB-12(1)  | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
| 40250983035 | SB-12(3)  | ASTM D2974-87 | MRP      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
| 40250983036 | SB-12(7)  | ASTM D2974-87 | MRP      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | GNS      | 1                 | PASI-G     |

PASI-G = Pace Analytical Services - Green Bay

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### SUMMARY OF DETECTION

Project: 58217147/LOEB-LORMAN SCRAPYARD

Peace Project No.: 40250983

| Lab Sample ID<br>Method | Client Sample ID<br>Parameters | Result | Units | Report Limit | Analyzed       | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| <b>40250983001</b>      | <b>SB-1(1)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 65.0   | mg/kg | 4.1          | 09/23/22 12:36 |            |
| ASTM D2974-87           | Percent Moisture               | 4.1    | %     | 0.10         | 09/22/22 13:29 |            |
| <b>40250983002</b>      | <b>SB-1(3)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 1610   | mg/kg | 121          | 09/09/22 12:40 | P6         |
| ASTM D2974-87           | Percent Moisture               | 18.1   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983003</b>      | <b>SB-1(8)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 5.8    | mg/kg | 2.2          | 09/08/22 17:06 |            |
| ASTM D2974-87           | Percent Moisture               | 10.4   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983004</b>      | <b>SB-2(1)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 13.1   | mg/kg | 4.1          | 09/23/22 12:39 |            |
| ASTM D2974-87           | Percent Moisture               | 3.7    | %     | 0.10         | 09/22/22 13:29 |            |
| <b>40250983005</b>      | <b>SB-2(4)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 1100   | mg/kg | 12.5         | 09/09/22 12:50 |            |
| ASTM D2974-87           | Percent Moisture               | 20.9   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983006</b>      | <b>SB-2(7)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 9.9    | mg/kg | 2.4          | 09/08/22 17:14 |            |
| ASTM D2974-87           | Percent Moisture               | 17.0   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983007</b>      | <b>SB-3(1)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 15.5   | mg/kg | 3.8          | 09/23/22 12:41 |            |
| ASTM D2974-87           | Percent Moisture               | 2.7    | %     | 0.10         | 09/20/22 16:38 |            |
| <b>40250983008</b>      | <b>SB-3(3)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 875    | mg/kg | 4.6          | 09/09/22 12:53 |            |
| ASTM D2974-87           | Percent Moisture               | 17.3   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983009</b>      | <b>SB-3(7)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 8.1    | mg/kg | 2.3          | 09/08/22 17:18 |            |
| ASTM D2974-87           | Percent Moisture               | 15.8   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983010</b>      | <b>SB-4(1)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 16.2   | mg/kg | 4.1          | 09/23/22 12:44 |            |
| ASTM D2974-87           | Percent Moisture               | 3.3    | %     | 0.10         | 09/20/22 16:38 |            |
| <b>40250983011</b>      | <b>SB-4(4)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 1160   | mg/kg | 2.2          | 09/08/22 17:26 |            |
| ASTM D2974-87           | Percent Moisture               | 16.5   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983012</b>      | <b>SB-4(8)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 10.4   | mg/kg | 2.3          | 09/08/22 17:28 |            |
| ASTM D2974-87           | Percent Moisture               | 15.4   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983013</b>      | <b>SB-5(1)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 10.9   | mg/kg | 4.0          | 09/23/22 12:47 |            |
| ASTM D2974-87           | Percent Moisture               | 3.1    | %     | 0.10         | 09/20/22 16:38 |            |

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### SUMMARY OF DETECTION

Project: 58217147/LOEB-LORMAN SCRAPYARD  
 Pace Project No.: 40250983

| Lab Sample ID<br>Method | Client Sample ID<br>Parameters | Result | Units | Report Limit | Analyzed       | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| <b>40250983014</b>      | <b>SB-5(4)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 2140   | mg/kg | 12.7         | 09/09/22 12:55 |            |
| ASTM D2974-87           | Percent Moisture               | 23.5   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983015</b>      | <b>SB-5(7)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 14.1   | mg/kg | 2.4          | 09/08/22 17:33 |            |
| ASTM D2974-87           | Percent Moisture               | 18.1   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983016</b>      | <b>SB-6(1)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 332    | mg/kg | 9.4          | 09/26/22 15:46 |            |
| ASTM D2974-87           | Percent Moisture               | 1.5    | %     | 0.10         | 09/20/22 16:38 |            |
| <b>40250983017</b>      | <b>SB-6(3)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 135    | mg/kg | 2.3          | 09/08/22 17:35 |            |
| ASTM D2974-87           | Percent Moisture               | 11.9   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983018</b>      | <b>SB-6(7)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 4.8    | mg/kg | 2.2          | 09/13/22 14:28 |            |
| ASTM D2974-87           | Percent Moisture               | 9.1    | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983019</b>      | <b>SB-7(1)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 14.4   | mg/kg | 3.8          | 09/23/22 12:52 |            |
| ASTM D2974-87           | Percent Moisture               | 1.9    | %     | 0.10         | 09/20/22 16:39 |            |
| <b>40250983020</b>      | <b>SB-7(4)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 1590   | mg/kg | 2.2          | 09/08/22 17:40 |            |
| ASTM D2974-87           | Percent Moisture               | 9.9    | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983021</b>      | <b>SB-7(7)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 57.6   | mg/kg | 2.3          | 09/08/22 17:43 |            |
| ASTM D2974-87           | Percent Moisture               | 16.1   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983022</b>      | <b>SB-8(1)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 30.7   | mg/kg | 4.0          | 09/23/22 12:54 |            |
| ASTM D2974-87           | Percent Moisture               | 1.2    | %     | 0.10         | 09/20/22 16:39 |            |
| <b>40250983023</b>      | <b>SB-8(4)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 41300  | mg/kg | 25.4         | 09/09/22 12:57 |            |
| ASTM D2974-87           | Percent Moisture               | 26.0   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983024</b>      | <b>SB-8(7)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 13.4   | mg/kg | 2.3          | 09/08/22 17:48 |            |
| ASTM D2974-87           | Percent Moisture               | 18.7   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983025</b>      | <b>SB-9(1)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 173    | mg/kg | 2.0          | 09/23/22 09:07 |            |
| ASTM D2974-87           | Percent Moisture               | 3.9    | %     | 0.10         | 09/20/22 16:39 |            |
| <b>40250983026</b>      | <b>SB-9(3)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 4.4    | mg/kg | 2.3          | 09/08/22 17:55 |            |
| ASTM D2974-87           | Percent Moisture               | 15.5   | %     | 0.10         | 09/12/22 11:23 |            |

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### SUMMARY OF DETECTION

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

| Lab Sample ID<br>Method | Client Sample ID<br>Parameters | Result | Units | Report Limit | Analyzed       | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| <b>40250983027</b>      | <b>SB-9(7)</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 6.4    | mg/kg | 2.2          | 09/08/22 17:58 |            |
| ASTM D2974-87           | Percent Moisture               | 14.6   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983028</b>      | <b>SB-10(1)</b>                |        |       |              |                |            |
| EPA 6010D               | Lead                           | 18.8   | mg/kg | 4.1          | 09/23/22 13:02 |            |
| ASTM D2974-87           | Percent Moisture               | 2.3    | %     | 0.10         | 09/20/22 16:39 |            |
| <b>40250983029</b>      | <b>SB-10(3)</b>                |        |       |              |                |            |
| EPA 6010D               | Lead                           | 145    | mg/kg | 2.3          | 09/08/22 18:00 |            |
| ASTM D2974-87           | Percent Moisture               | 15.9   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983030</b>      | <b>SB-10(7)</b>                |        |       |              |                |            |
| EPA 6010D               | Lead                           | 6.3    | mg/kg | 2.2          | 09/08/22 18:03 |            |
| ASTM D2974-87           | Percent Moisture               | 12.0   | %     | 0.10         | 09/12/22 11:23 |            |
| <b>40250983034</b>      | <b>SB-12(1)</b>                |        |       |              |                |            |
| EPA 6010D               | Lead                           | 17.0   | mg/kg | 4.0          | 09/23/22 13:04 |            |
| ASTM D2974-87           | Percent Moisture               | 2.4    | %     | 0.10         | 09/20/22 16:39 |            |
| <b>40250983035</b>      | <b>SB-12(3)</b>                |        |       |              |                |            |
| EPA 6010D               | Lead                           | 120    | mg/kg | 2.4          | 09/23/22 09:15 |            |
| ASTM D2974-87           | Percent Moisture               | 20.1   | %     | 0.10         | 09/20/22 16:39 |            |
| <b>40250983036</b>      | <b>SB-12(7)</b>                |        |       |              |                |            |
| EPA 6010D               | Lead                           | 12.3   | mg/kg | 2.3          | 09/23/22 09:17 |            |
| ASTM D2974-87           | Percent Moisture               | 14.2   | %     | 0.10         | 09/22/22 12:01 |            |

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

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**Method:** EPA 6010D

**Description:** 6010D MET ICP

**Client:** Terracon, Inc. - Franklin

**Date:** September 27, 2022

**General Information:**

33 samples were analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-1(1)**      **Lab ID: 40250983001**      Collected: 09/06/22 10:45      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>65.0</b>   | mg/kg | 4.1  | 1.2  | 2  | 09/21/22 07:15 | 09/23/22 12:36 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>4.1</b>  | %     | 0.10 | 0.10 | 1  |                | 09/22/22 13:29 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-1(3)**      **Lab ID: 40250983002**      Collected: 09/06/22 10:50      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>1610</b>   | mg/kg | 121  | 36.3 | 50 | 09/08/22 06:53 | 09/09/22 12:40 | 7439-92-1 | P6   |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>18.1</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-1(8)**      **Lab ID: 40250983003**      Collected: 09/06/22 10:55      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>5.8</b>  | mg/kg | 2.2  | 0.65 | 1  | 09/08/22 06:53 | 09/08/22 17:06 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>10.4</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-2(1)**      **Lab ID: 40250983004**      Collected: 09/06/22 11:05      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>13.1</b>   | mg/kg | 4.1  | 1.2  | 2  | 09/21/22 07:15 | 09/23/22 12:39 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>3.7</b>  | %     | 0.10 | 0.10 | 1  |                | 09/22/22 13:29 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-2(4)**      **Lab ID: 40250983005**      Collected: 09/06/22 11:10      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>1100</b>   | mg/kg | 12.5 | 3.7  | 5  | 09/08/22 06:53 | 09/09/22 12:50 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>20.9</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-2(7)**      **Lab ID: 40250983006**      Collected: 09/06/22 11:15      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>9.9</b>  | mg/kg | 2.4  | 0.72 | 1  | 09/08/22 06:53 | 09/08/22 17:14 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>17.0</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-3(1)**      **Lab ID: 40250983007**      Collected: 09/06/22 11:25      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>15.5</b>   | mg/kg | 3.8  | 1.2  | 2  | 09/21/22 07:15 | 09/23/22 12:41 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>2.7</b>  | %     | 0.10 | 0.10 | 1  |                | 09/20/22 16:38 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-3(3)**      **Lab ID: 40250983008**      Collected: 09/06/22 11:30      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>875</b>  | mg/kg | 4.6  | 1.4  | 2  | 09/08/22 06:53 | 09/09/22 12:53 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>17.3</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-3(7)**      **Lab ID: 40250983009**      Collected: 09/06/22 11:35      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>8.1</b>  | mg/kg | 2.3  | 0.69 | 1  | 09/08/22 06:53 | 09/08/22 17:18 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>15.8</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-4(1)**      **Lab ID: 40250983010**      Collected: 09/06/22 11:45      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>16.2</b>   | mg/kg | 4.1  | 1.2  | 2  | 09/21/22 07:15 | 09/23/22 12:44 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>3.3</b>  | %     | 0.10 | 0.10 | 1  |                | 09/20/22 16:38 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-4(4)**      **Lab ID: 40250983011**      Collected: 09/06/22 11:50      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>1160</b>   | mg/kg | 2.2  | 0.66 | 1  | 09/08/22 06:53 | 09/08/22 17:26 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>16.5</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-4(8)**      **Lab ID: 40250983012**      Collected: 09/06/22 11:55      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>10.4</b>   | mg/kg | 2.3  | 0.70 | 1  | 09/08/22 06:53 | 09/08/22 17:28 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>15.4</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-5(1)**      **Lab ID: 40250983013**      Collected: 09/06/22 12:00      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>10.9</b>   | mg/kg | 4.0  | 1.2  | 2  | 09/21/22 07:15 | 09/23/22 12:47 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>3.1</b>  | %     | 0.10 | 0.10 | 1  |                | 09/20/22 16:38 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

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**Sample: SB-5(4)**      **Lab ID: 40250983014**    Collected: 09/06/22 12:05    Received: 09/07/22 08:10    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>2140</b>   | mg/kg | 12.7 | 3.8  | 5  | 09/08/22 06:53 | 09/09/22 12:55 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>23.5</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

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**Sample: SB-5(7)**      **Lab ID: 40250983015**      Collected: 09/06/22 12:10      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>14.1</b>   | mg/kg | 2.4  | 0.71 | 1  | 09/08/22 06:53 | 09/08/22 17:33 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>18.1</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

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**Sample: SB-6(1)**      **Lab ID: 40250983016**      Collected: 09/06/22 14:00      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>332</b>  | mg/kg | 9.4  | 2.8  | 5  | 09/21/22 07:15 | 09/26/22 15:46 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>1.5</b>  | %     | 0.10 | 0.10 | 1  |                | 09/20/22 16:38 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-6(3)**      **Lab ID: 40250983017**      Collected: 09/06/22 14:05      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>135</b>  | mg/kg | 2.3  | 0.67 | 1  | 09/08/22 06:53 | 09/08/22 17:35 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>11.9</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-6(7)**      **Lab ID: 40250983018**      Collected: 09/06/22 14:10      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>4.8</b>  | mg/kg | 2.2  | 0.65 | 1  | 09/08/22 06:53 | 09/13/22 14:28 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>9.1</b>  | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-7(1)**      **Lab ID: 40250983019**      Collected: 09/06/22 12:15      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>14.4</b>   | mg/kg | 3.8  | 1.1  | 2  | 09/21/22 07:15 | 09/23/22 12:52 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>1.9</b>  | %     | 0.10 | 0.10 | 1  |                | 09/20/22 16:39 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD  
Pace Project No.: 40250983

**Sample: SB-7(4)**      **Lab ID: 40250983020**      Collected: 09/06/22 12:20      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>1590</b>   | mg/kg | 2.2  | 0.65 | 1  | 09/08/22 06:53 | 09/08/22 17:40 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>9.9</b>  | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

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**Sample: SB-7(7)**      **Lab ID: 40250983021**      Collected: 09/06/22 00:00      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>57.6</b>   | mg/kg | 2.3  | 0.69 | 1  | 09/08/22 06:53 | 09/08/22 17:43 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>16.1</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-8(1)**      **Lab ID: 40250983022**      Collected: 09/06/22 00:00      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>30.7</b>   | mg/kg | 4.0  | 1.2  | 2  | 09/21/22 07:15 | 09/23/22 12:54 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>1.2</b>  | %     | 0.10 | 0.10 | 1  |                | 09/20/22 16:39 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-8(4)**      **Lab ID: 40250983023**      Collected: 09/06/22 00:00      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>41300</b>  | mg/kg | 25.4 | 7.6  | 10 | 09/08/22 06:53 | 09/09/22 12:57 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>26.0</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-8(7)**      **Lab ID: 40250983024**      Collected: 09/06/22 00:00      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>13.4</b>   | mg/kg | 2.3  | 0.68 | 1  | 09/08/22 06:53 | 09/08/22 17:48 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>18.7</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-9(1)**      **Lab ID: 40250983025**      Collected: 09/06/22 00:00      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>173</b>  | mg/kg | 2.0  | 0.59 | 1  | 09/21/22 07:15 | 09/23/22 09:07 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>3.9</b>  | %     | 0.10 | 0.10 | 1  |                | 09/20/22 16:39 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-9(3)**      **Lab ID: 40250983026**      Collected: 09/06/22 00:00      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>4.4</b>  | mg/kg | 2.3  | 0.70 | 1  | 09/08/22 06:53 | 09/08/22 17:55 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>15.5</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-9(7)**      **Lab ID: 40250983027**      Collected: 09/06/22 00:00      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>6.4</b>  | mg/kg | 2.2  | 0.65 | 1  | 09/08/22 06:53 | 09/08/22 17:58 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>14.6</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-10(1)**      **Lab ID: 40250983028**      Collected: 09/06/22 00:00      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>18.8</b>   | mg/kg | 4.1  | 1.2  | 2  | 09/21/22 07:15 | 09/23/22 13:02 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>2.3</b>  | %     | 0.10 | 0.10 | 1  |                | 09/20/22 16:39 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-10(3)**      **Lab ID: 40250983029**      Collected: 09/06/22 00:00      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>145</b>  | mg/kg | 2.3  | 0.70 | 1  | 09/08/22 06:53 | 09/08/22 18:00 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>15.9</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-10(7)**      **Lab ID: 40250983030**      Collected: 09/06/22 00:00      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>6.3</b>  | mg/kg | 2.2  | 0.66 | 1  | 09/08/22 06:53 | 09/08/22 18:03 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>12.0</b>   | %     | 0.10 | 0.10 | 1  |                | 09/12/22 11:23 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-12(1)**      **Lab ID: 40250983034**      Collected: 09/06/22 13:00      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>17.0</b>   | mg/kg | 4.0  | 1.2  | 2  | 09/21/22 07:15 | 09/23/22 13:04 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>2.4</b>  | %     | 0.10 | 0.10 | 1  |                | 09/20/22 16:39 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-12(3)**      **Lab ID: 40250983035**      Collected: 09/06/22 13:05      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>120</b>  | mg/kg | 2.4  | 0.73 | 1  | 09/21/22 07:15 | 09/23/22 09:15 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>20.1</b>   | %     | 0.10 | 0.10 | 1  |                | 09/20/22 16:39 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

**Sample: SB-12(7)**      **Lab ID: 40250983036**      Collected: 09/06/22 13:10      Received: 09/07/22 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>12.3</b>   | mg/kg | 2.3  | 0.68 | 1  | 09/21/22 07:15 | 09/23/22 09:17 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>14.2</b>   | %     | 0.10 | 0.10 | 1  |                | 09/22/22 12:01 |           |      |

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### QUALITY CONTROL DATA

Project: 58217147/LOEB-LORMAN SCRAPYARD  
Pace Project No.: 40250983

|                  |           |                       |                                      |
|------------------|-----------|-----------------------|--------------------------------------|
| QC Batch:        | 425390    | Analysis Method:      | EPA 6010D                            |
| QC Batch Method: | EPA 3050B | Analysis Description: | 6010D MET                            |
|                  |           | Laboratory:           | Pace Analytical Services - Green Bay |

Associated Lab Samples: 40250983002, 40250983003, 40250983005, 40250983006, 40250983008, 40250983009, 40250983011, 40250983012, 40250983014, 40250983015, 40250983017, 40250983018, 40250983020, 40250983021, 40250983023, 40250983024, 40250983026, 40250983027, 40250983029, 40250983030

METHOD BLANK: 2449555 Matrix: Solid  
Associated Lab Samples: 40250983002, 40250983003, 40250983005, 40250983006, 40250983008, 40250983009, 40250983011, 40250983012, 40250983014, 40250983015, 40250983017, 40250983018, 40250983020, 40250983021, 40250983023, 40250983024, 40250983026, 40250983027, 40250983029, 40250983030

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/kg | <0.60        | 2.0             | 09/08/22 16:47 |            |

LABORATORY CONTROL SAMPLE: 2449556

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Lead      | mg/kg | 25          | 26.9       | 107       | 80-120       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2449557 2449558

| Parameter | Units | 40250983002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Lead      | mg/kg | 1610               | 30.4           | 30.4            | 836       | 827        | -2530    | -2560     | 75-125       | 1   | 20      | P6   |

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**QUALITY CONTROL DATA**

Project: 58217147/LOEB-LORMAN SCRAPYARD  
Pace Project No.: 40250983

|                  |           |                       |                                      |
|------------------|-----------|-----------------------|--------------------------------------|
| QC Batch:        | 426533    | Analysis Method:      | EPA 6010D                            |
| QC Batch Method: | EPA 3050B | Analysis Description: | 6010D MET                            |
|                  |           | Laboratory:           | Pace Analytical Services - Green Bay |

Associated Lab Samples: 40250983001, 40250983004, 40250983007, 40250983010, 40250983013, 40250983016, 40250983019, 40250983022, 40250983025, 40250983028, 40250983034, 40250983035, 40250983036

METHOD BLANK: 2455795 Matrix: Solid  
Associated Lab Samples: 40250983001, 40250983004, 40250983007, 40250983010, 40250983013, 40250983016, 40250983019, 40250983022, 40250983025, 40250983028, 40250983034, 40250983035, 40250983036

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/kg | <0.60        | 2.0             | 09/23/22 08:17 |            |

LABORATORY CONTROL SAMPLE: 2455796

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Lead      | mg/kg | 25          | 26.3       | 105       | 80-120       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2455797 2455798

| Parameter | Units | MS                 |             | MSD         |        | MS     |       | MSD   |        | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|-------------|-------------|--------|--------|-------|-------|--------|--------------|-----|---------|------|
|           |       | 40251265001 Result | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec |        |              |     |         |      |
| Lead      | mg/kg | 3.7                | 25.9        | 26          | 29.8   | 30.2   | 101   | 102   | 75-125 | 1            | 20  |         |      |

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### QUALITY CONTROL DATA

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

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|                  |               |                       |                                      |
|------------------|---------------|-----------------------|--------------------------------------|
| QC Batch:        | 425681        | 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: 40250983002, 40250983003, 40250983005, 40250983006, 40250983008, 40250983009, 40250983011, 40250983012, 40250983014, 40250983015, 40250983017, 40250983018, 40250983020, 40250983021, 40250983023, 40250983024, 40250983026, 40250983027, 40250983029, 40250983030

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SAMPLE DUPLICATE: 2451548

| Parameter        | Units | 40250983018<br>Result | Dup<br>Result | RPD | Max<br>RPD | Qualifiers |
|------------------|-------|-----------------------|---------------|-----|------------|------------|
| Percent Moisture | %     | 9.1                   | 9.3           | 2   | 10         |            |

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### QUALITY CONTROL DATA

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

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|                  |               |                       |                                      |
|------------------|---------------|-----------------------|--------------------------------------|
| QC Batch:        | 426496        | 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: 40250983007, 40250983010, 40250983013, 40250983016, 40250983019, 40250983022, 40250983025, 40250983028, 40250983034, 40250983035

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SAMPLE DUPLICATE: 2455707

| Parameter        | Units | 40251659001<br>Result | Dup<br>Result | RPD | Max<br>RPD | Qualifiers |
|------------------|-------|-----------------------|---------------|-----|------------|------------|
| Percent Moisture | %     | 6.8                   | 6.8           | 0   | 10         |            |

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### QUALITY CONTROL DATA

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

QC Batch: 426689

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: 40250983036

SAMPLE DUPLICATE: 2457007

| Parameter        | Units | 40251727001<br>Result | Dup<br>Result | RPD | Max<br>RPD | Qualifiers |
|------------------|-------|-----------------------|---------------|-----|------------|------------|
| Percent Moisture | %     | 3.6                   | 3.7           | 5   | 10         |            |

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### QUALITY CONTROL DATA

Project: 58217147/LOEB-LORMAN SCRAPYARD  
Pace Project No.: 40250983

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|                  |               |                       |                                      |
|------------------|---------------|-----------------------|--------------------------------------|
| QC Batch:        | 426706        | 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: 40250983001, 40250983004

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SAMPLE DUPLICATE: 2457079

| Parameter        | Units | 40251830001<br>Result | Dup<br>Result | RPD | Max<br>RPD | Qualifiers |
|------------------|-------|-----------------------|---------------|-----|------------|------------|
| Percent Moisture | %     | 4.1                   | 4.1           | 0   | 10         |            |

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## QUALIFIERS

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

---

### 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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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.

### ANALYTE QUALIFIERS

P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58217147/LOEB-LORMAN SCRAPYARD  
Pace Project No.: 40250983

| Lab ID      | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|----------|-------------------|------------------|
| 40250983001 | SB-1(1)   | EPA 3050B       | 426533   | EPA 6010D         | 426611           |
| 40250983002 | SB-1(3)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983003 | SB-1(8)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983004 | SB-2(1)   | EPA 3050B       | 426533   | EPA 6010D         | 426611           |
| 40250983005 | SB-2(4)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983006 | SB-2(7)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983007 | SB-3(1)   | EPA 3050B       | 426533   | EPA 6010D         | 426611           |
| 40250983008 | SB-3(3)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983009 | SB-3(7)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983010 | SB-4(1)   | EPA 3050B       | 426533   | EPA 6010D         | 426611           |
| 40250983011 | SB-4(4)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983012 | SB-4(8)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983013 | SB-5(1)   | EPA 3050B       | 426533   | EPA 6010D         | 426611           |
| 40250983014 | SB-5(4)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983015 | SB-5(7)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983016 | SB-6(1)   | EPA 3050B       | 426533   | EPA 6010D         | 426611           |
| 40250983017 | SB-6(3)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983018 | SB-6(7)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983019 | SB-7(1)   | EPA 3050B       | 426533   | EPA 6010D         | 426611           |
| 40250983020 | SB-7(4)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983021 | SB-7(7)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983022 | SB-8(1)   | EPA 3050B       | 426533   | EPA 6010D         | 426611           |
| 40250983023 | SB-8(4)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983024 | SB-8(7)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983025 | SB-9(1)   | EPA 3050B       | 426533   | EPA 6010D         | 426611           |
| 40250983026 | SB-9(3)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983027 | SB-9(7)   | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983028 | SB-10(1)  | EPA 3050B       | 426533   | EPA 6010D         | 426611           |
| 40250983029 | SB-10(3)  | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983030 | SB-10(7)  | EPA 3050B       | 425390   | EPA 6010D         | 425477           |
| 40250983034 | SB-12(1)  | EPA 3050B       | 426533   | EPA 6010D         | 426611           |
| 40250983035 | SB-12(3)  | EPA 3050B       | 426533   | EPA 6010D         | 426611           |
| 40250983036 | SB-12(7)  | EPA 3050B       | 426533   | EPA 6010D         | 426611           |
| 40250983001 | SB-1(1)   | ASTM D2974-87   | 426706   |                   |                  |
| 40250983002 | SB-1(3)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983003 | SB-1(8)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983004 | SB-2(1)   | ASTM D2974-87   | 426706   |                   |                  |

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58217147/LOEB-LORMAN SCRAPYARD

Pace Project No.: 40250983

| Lab ID      | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|----------|-------------------|------------------|
| 40250983005 | SB-2(4)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983006 | SB-2(7)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983007 | SB-3(1)   | ASTM D2974-87   | 426496   |                   |                  |
| 40250983008 | SB-3(3)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983009 | SB-3(7)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983010 | SB-4(1)   | ASTM D2974-87   | 426496   |                   |                  |
| 40250983011 | SB-4(4)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983012 | SB-4(8)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983013 | SB-5(1)   | ASTM D2974-87   | 426496   |                   |                  |
| 40250983014 | SB-5(4)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983015 | SB-5(7)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983016 | SB-6(1)   | ASTM D2974-87   | 426496   |                   |                  |
| 40250983017 | SB-6(3)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983018 | SB-6(7)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983019 | SB-7(1)   | ASTM D2974-87   | 426496   |                   |                  |
| 40250983020 | SB-7(4)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983021 | SB-7(7)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983022 | SB-8(1)   | ASTM D2974-87   | 426496   |                   |                  |
| 40250983023 | SB-8(4)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983024 | SB-8(7)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983025 | SB-9(1)   | ASTM D2974-87   | 426496   |                   |                  |
| 40250983026 | SB-9(3)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983027 | SB-9(7)   | ASTM D2974-87   | 425681   |                   |                  |
| 40250983028 | SB-10(1)  | ASTM D2974-87   | 426496   |                   |                  |
| 40250983029 | SB-10(3)  | ASTM D2974-87   | 425681   |                   |                  |
| 40250983030 | SB-10(7)  | ASTM D2974-87   | 425681   |                   |                  |
| 40250983034 | SB-12(1)  | ASTM D2974-87   | 426496   |                   |                  |
| 40250983035 | SB-12(3)  | ASTM D2974-87   | 426496   |                   |                  |
| 40250983036 | SB-12(7)  | ASTM D2974-87   | 426689   |                   |                  |

### REPORT OF LABORATORY ANALYSIS

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# CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40250983

ALL SHADED AREAS are for LAB USE ONLY

Company: Terrasan Billing Information:

Address: 9856 S 57th St

Report To: Tim Welch Email To: Tim Welch

Copy To: Ryan Johnson Site Collection Info/Address:

Customer Project Name/Number: S8217147 / Lead-Loman Scrapyard State: WI County/City: Fort Atkinson Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET

Phone: \_\_\_\_\_ Site/Facility ID #: \_\_\_\_\_ Compliance Monitoring?  Yes  No

Email: \_\_\_\_\_

Collected By (print): Ryan Johnson Purchase Order #: \_\_\_\_\_ Quote #: \_\_\_\_\_ DW PWS ID #: \_\_\_\_\_ DW Location Code: \_\_\_\_\_

Collected By (signature): \_\_\_\_\_ Turnaround Date Required: STD - 5 day Immediately Packed on Ice:  Yes  No

Sample Disposal:  Dispose as appropriate  Return  Archive: \_\_\_\_\_  Hold: \_\_\_\_\_ Rush:  Same Day  Next Day  2 Day  3 Day  4 Day  5 Day (Expedite Charges Apply) Field Filtered (if applicable):  Yes  No Analysis: \_\_\_\_\_

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) |      | Composite End |      | Res Cl | # of Ctns |
|--------------------|----------|-------------|--------------------------------|------|---------------|------|--------|-----------|
|                    |          |             | Date                           | Time | Date          | Time |        |           |
| SB-1(1)            | SL       | 6           | 9/6/22                         | 1045 |               |      |        |           |
| SB-1(3)            |          |             |                                | 1050 |               |      |        |           |
| SB-1(8)            |          |             |                                | 1055 |               |      |        |           |
| SB-2(1)            |          |             |                                | 1105 |               |      |        |           |
| SB-2(4)            |          |             |                                | 1110 |               |      |        |           |
| SB-2(7)            |          |             |                                | 1115 |               |      |        |           |
| SB-3(1)            |          |             |                                | 1125 |               |      |        |           |
| SB-3(3)            |          |             |                                | 1130 |               |      |        |           |
| SB-3(7)            |          |             |                                | 1135 |               |      |        |           |
| SB-4(1)            |          |             |                                | 1145 |               |      |        |           |

Container Preservative Type \*\* U A Lab Project Manager:

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

| Analyses |  |  |  |  |  |  |  |  |  | Lab Profile/Line:                   |
|----------|--|--|--|--|--|--|--|--|--|-------------------------------------|
|          |  |  |  |  |  |  |  |  |  | Lab Sample Receipt Checklist:       |
|          |  |  |  |  |  |  |  |  |  | Custody Seals Present/Intact Y N NA |
|          |  |  |  |  |  |  |  |  |  | Custody Signatures Present Y N NA   |
|          |  |  |  |  |  |  |  |  |  | Collector Signature Present Y N NA  |
|          |  |  |  |  |  |  |  |  |  | Bottles Intact Y N NA               |
|          |  |  |  |  |  |  |  |  |  | Correct Bottles Y N NA              |
|          |  |  |  |  |  |  |  |  |  | Sufficient Volume Y N NA            |
|          |  |  |  |  |  |  |  |  |  | Samples Received on Ice Y N NA      |
|          |  |  |  |  |  |  |  |  |  | VOA - Headspace Acceptable Y N NA   |
|          |  |  |  |  |  |  |  |  |  | USDA Regulated Soils Y N NA         |
|          |  |  |  |  |  |  |  |  |  | Samples in Holding Time Y N NA      |
|          |  |  |  |  |  |  |  |  |  | Residual Chlorine Present Y N NA    |
|          |  |  |  |  |  |  |  |  |  | Cl Strips: _____                    |
|          |  |  |  |  |  |  |  |  |  | Sample pH Acceptable Y N NA         |
|          |  |  |  |  |  |  |  |  |  | pH Strips: _____                    |
|          |  |  |  |  |  |  |  |  |  | Sulfide Present Y N NA              |
|          |  |  |  |  |  |  |  |  |  | Lead Acetate Strips: _____          |
|          |  |  |  |  |  |  |  |  |  | LAB USE ONLY:                       |
|          |  |  |  |  |  |  |  |  |  | Lab Sample # / Comments:            |

Customer Remarks / Special Conditions / Possible Hazards: See Hold Samples w/ no analyses

Type of Ice Used: Wet Blue Dry None SHORT HOLDS PRESENT (<72 hours): Y N N/A

Packing Material Used: ① Lab Tracking #: 2825196

Radchem sample(s) screened (<500 cpm): Y N NA Samples received via: FEDEX UPS Client Courier Pace Courier

Relinquished by/Company: (Signature) [Signature] Date/Time: 1600 9/6/22 Received by/Company: (Signature) [Signature] Date/Time: \_\_\_\_\_

Relinquished by/Company: (Signature) CS Logistics Date/Time: 9/6/22 Received by/Company: (Signature) [Signature] Date/Time: 9/6/22

Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Table #: \_\_\_\_\_ Acctnum: \_\_\_\_\_ Template: \_\_\_\_\_ Prelogin: \_\_\_\_\_ PM: \_\_\_\_\_ PB: \_\_\_\_\_

Temp Blank Received: Y N NA Therm ID#: \_\_\_\_\_ Cooler 1 Temp Upon Receipt: \_\_\_\_\_ °C Cooler 1 Therm Corr. Factor: \_\_\_\_\_ °C Cooler 1 Corrected Temp: \_\_\_\_\_ °C Comments: \_\_\_\_\_

Trip Blank Received: Y N NA HCL MeOH TSP Other \_\_\_\_\_

Non Conformance(s): YES / NO Page: Page 52 of 58 of: 4



# CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or  
MTJL Log-in Number Here

40250983

**ALL SHADED AREAS are for LAB USE ONLY**

Company: Terracon Billing Information:

Address: SAME as Email To: \_\_\_\_\_

Report To: SAME as Site Collection Info/Address: \_\_\_\_\_

Copy To: \_\_\_\_\_

Customer Project Name/Number: page 1 State: \_\_\_\_\_ County/City: \_\_\_\_\_ Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET

Phone: \_\_\_\_\_ Site/Facility ID #: \_\_\_\_\_ Compliance Monitoring? [ ] Yes [ ] No

Email: \_\_\_\_\_

Collected By (print): \_\_\_\_\_ Purchase Order #: \_\_\_\_\_ DW PWS ID #: \_\_\_\_\_  
Quote #: \_\_\_\_\_ DW Location Code: \_\_\_\_\_

Collected By (signature): \_\_\_\_\_ Turnaround Date Required: \_\_\_\_\_ Immediately Packed on Ice: [ ] Yes [ ] No

Sample Disposal: \_\_\_\_\_ Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day [ ] Hold: \_\_\_\_\_ (Expedite Charges Apply)

Field Filtered (if applicable): [ ] Yes [ ] No Analysis: \_\_\_\_\_

Container Preservative Type \*\*

|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| U | A |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|

Lab Project Manager: \_\_\_\_\_

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other \_\_\_\_\_

| Analyses |      |  |  |  |  |  |  |  |  |  |                                  | Lab Profile/Line: |                                     |
|----------|------|--|--|--|--|--|--|--|--|--|----------------------------------|-------------------|-------------------------------------|
| Lead     | Held |  |  |  |  |  |  |  |  |  |                                  |                   | Lab Sample Receipt Checklist:       |
|          |      |  |  |  |  |  |  |  |  |  |                                  |                   | Custody Seals Present/Intact Y N NA |
|          |      |  |  |  |  |  |  |  |  |  |                                  |                   | Custody Signatures Present Y N NA   |
|          |      |  |  |  |  |  |  |  |  |  |                                  |                   | Collector Signature Present Y N NA  |
|          |      |  |  |  |  |  |  |  |  |  |                                  |                   | Bottles Intact Y N NA               |
|          |      |  |  |  |  |  |  |  |  |  |                                  |                   | Correct Bottles Y N NA              |
|          |      |  |  |  |  |  |  |  |  |  |                                  |                   | Sufficient Volume Y N NA            |
|          |      |  |  |  |  |  |  |  |  |  |                                  |                   | Samples Received on Ice Y N NA      |
|          |      |  |  |  |  |  |  |  |  |  |                                  |                   | VOA - Headspace Acceptable Y N NA   |
|          |      |  |  |  |  |  |  |  |  |  |                                  |                   | USDA Regulated Soils Y N NA         |
|          |      |  |  |  |  |  |  |  |  |  | Samples in Holding Time Y N NA   |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | Residual Chlorine Present Y N NA |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | Cl Strips:                       |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | Sample pH Acceptable Y N NA      |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | pH Strips:                       |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | Sulfide Present Y N NA           |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | Lead Acetate Strips:             |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | LAB USE ONLY:                    |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | Lab Sample # / Comments:         |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | 011                              |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | 012                              |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | 013                              |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | 014                              |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | 015                              |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | 016                              |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | 017                              |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | 018                              |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | 019                              |                   |                                     |
|          |      |  |  |  |  |  |  |  |  |  | 020                              |                   |                                     |

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) |      | Composite End |      | Res Cl | # of Ctns |
|--------------------|----------|-------------|--------------------------------|------|---------------|------|--------|-----------|
|                    |          |             | Date                           | Time | Date          | Time |        |           |
| SB-4(4)            | SL       | G           | 9/6/22                         | 1150 |               |      |        |           |
| SB-4(8)            |          |             |                                | 1155 |               |      |        |           |
| SB-5(1)            |          |             |                                | 1200 |               |      |        |           |
| SB-5(4)            |          |             |                                | 1205 |               |      |        |           |
| SB-5(7)            |          |             |                                | 1210 |               |      |        |           |
| SB-6(1)            |          |             |                                | 1400 |               |      |        |           |
| SB-6(3)            |          |             |                                | 1405 |               |      |        |           |
| SB-6(7)            |          |             |                                | 1410 |               |      |        |           |
| SB-7(1)            |          |             |                                | 1215 |               |      |        |           |
| SB-7(4)            |          |             |                                | 1220 |               |      |        |           |

Customer Remarks / Special Conditions / Possible Hazards: \_\_\_\_\_

Type of Ice Used: Wet Blue Dry None

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Packing Material Used: \_\_\_\_\_

Lab Tracking #: 2828753

Radchem sample(s) screened (<500 cpm): Y N NA

Samples received via: FEDEX UPS Client Courier Pace Courier

Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: 600 9/6/22 Received by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by/Company: (Signature) CS Logistics Date/Time: 9/7/22 0810 Received by/Company: (Signature) manu Date/Time: 9/7/22 0810

Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: \_\_\_\_\_

Cooler 1 Temp Upon Receipt: \_\_\_\_\_ °C

Cooler 1 Therm Corr. Factor: \_\_\_\_\_ °C

Cooler 1 Corrected Temp: \_\_\_\_\_ °C

Comments: \_\_\_\_\_

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 2 Page 53 of 58

of: 4



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4050983

ALL SHADED AREAS are for LAB USE ONLY

Company: \_\_\_\_\_ Billing Information: \_\_\_\_\_

Address: \_\_\_\_\_

Report To: **SAME** Email To: **CS**

Copy To: \_\_\_\_\_ Site Collection Info/Address: \_\_\_\_\_

Customer Project Name/Number: **page 11** State: \_\_\_\_\_ County/City: \_\_\_\_\_ Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET

Phone: \_\_\_\_\_ Site/Facility ID #: \_\_\_\_\_ Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): \_\_\_\_\_ Purchase Order #: \_\_\_\_\_ DW PWS ID #: \_\_\_\_\_  
Quote #: \_\_\_\_\_ DW Location Code: \_\_\_\_\_

Collected By (signature): \_\_\_\_\_ Turnaround Date Required: \_\_\_\_\_ Immediately Packed on Ice: [ ] Yes [ ] No

Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: \_\_\_\_\_ Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No  
[ ] Hold: \_\_\_\_\_ Analysis: \_\_\_\_\_

Container Preservative Type \*\*

Lab Project Manager: \_\_\_\_\_

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other \_\_\_\_\_

| Analyses |  |  |  |  |  |  |  |  |  | Lab Profile/Line:                   |
|----------|--|--|--|--|--|--|--|--|--|-------------------------------------|
|          |  |  |  |  |  |  |  |  |  | Lab Sample Receipt Checklist:       |
|          |  |  |  |  |  |  |  |  |  | Custody Seals Present/Intact Y N NA |
|          |  |  |  |  |  |  |  |  |  | Custody Signatures Present Y N NA   |
|          |  |  |  |  |  |  |  |  |  | Collector Signature Present Y N NA  |
|          |  |  |  |  |  |  |  |  |  | Bottles Intact Y N NA               |
|          |  |  |  |  |  |  |  |  |  | Correct Bottles Y N NA              |
|          |  |  |  |  |  |  |  |  |  | Sufficient Volume Y N NA            |
|          |  |  |  |  |  |  |  |  |  | Samples Received on Ice Y N NA      |
|          |  |  |  |  |  |  |  |  |  | VOA - Headspace Acceptable Y N NA   |
|          |  |  |  |  |  |  |  |  |  | USDA Regulated Soils Y N NA         |
|          |  |  |  |  |  |  |  |  |  | Samples in Holding Time Y N NA      |
|          |  |  |  |  |  |  |  |  |  | Residual Chlorine Present Y N NA    |
|          |  |  |  |  |  |  |  |  |  | Cl Strips: _____                    |
|          |  |  |  |  |  |  |  |  |  | Sample pH Acceptable Y N NA         |
|          |  |  |  |  |  |  |  |  |  | pH Strips: _____                    |
|          |  |  |  |  |  |  |  |  |  | Sulfide Present Y N NA              |
|          |  |  |  |  |  |  |  |  |  | Lead Acetate Strips: _____          |
|          |  |  |  |  |  |  |  |  |  | LAB USE ONLY:                       |
|          |  |  |  |  |  |  |  |  |  | Lab Sample # / Comments:            |

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) |      | Composite End |      | Res Cl | # of Ctns |
|--------------------|----------|-------------|--------------------------------|------|---------------|------|--------|-----------|
|                    |          |             | Date                           | Time | Date          | Time |        |           |
| SB-7(7)            | SL       | 6           | 9/6/22                         |      |               |      |        |           |
| SB-8(1)            |          |             |                                |      |               |      |        |           |
| SB-8(4)            |          |             |                                |      |               |      |        |           |
| SB-8(7)            |          |             |                                |      |               |      |        |           |
| SB-9(1)            |          |             |                                |      |               |      |        |           |
| SB-9(3)            |          |             |                                |      |               |      |        |           |
| SB-9(7)            |          |             |                                |      |               |      |        |           |
| SB-10(1)           |          |             |                                |      |               |      |        |           |
| SB-10(3)           |          |             |                                |      |               |      |        |           |
| SB-10(7)           |          |             |                                |      |               |      |        |           |

Customer Remarks / Special Conditions / Possible Hazards: \_\_\_\_\_ Type of Ice Used: Wet Blue Dry None SHORT HOLDS PRESENT (<72 hours): Y N N/A

Packing Material Used: \_\_\_\_\_ Lab Tracking #: **2828754**

Radchem sample(s) screened (<500 cpm): Y N NA Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: \_\_\_\_\_

Cooler 1 Temp Upon Receipt: \_\_\_\_\_ oC

Cooler 1 Therm Corr. Factor: \_\_\_\_\_ oC

Cooler 1 Corrected Temp: \_\_\_\_\_ oC

Comments: \_\_\_\_\_

Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: **9/6/22** Received by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by/Company: (Signature) **CS Logistics** Date/Time: **9/12/2020** Received by/Company: (Signature) **NAME** Date/Time: **9/12/2020**

Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: **3** of: **58**



# CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40250983

ALL SHADED AREAS are for LAB USE ONLY

Company: **SAFEME** Billing Information: **08**

Address: **SAFEME** Report To: **SAFEME** Email To: **08**

Copy To: **Page 1** Site Collection Info/Address: **1**

Customer Project Name/Number: **Page 1** State: **1** County/City: **1** Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET

Phone: **1** Facility ID #: **1** Compliance Monitoring? [ ] Yes [ ] No

Email: **1** Purchase Order #: **1** DW PWS ID #: **1** DW Location Code: **1**

Collected By (print): **1** Quote #: **1** Turnaround Date Required: **1** Immediately Packed on Ice: [ ] Yes [ ] No

Collected By (signature): **1** Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No

Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: **1** [ ] Hold: **1** Analysis: **1**

Container Preservative Type \*\* **U A** Lab Project Manager: **1**

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

| Analyses |  |  |  |  |  |  |  |  |  | Lab Profile/Line:                   |
|----------|--|--|--|--|--|--|--|--|--|-------------------------------------|
|          |  |  |  |  |  |  |  |  |  | Lab Sample Receipt Checklist:       |
|          |  |  |  |  |  |  |  |  |  | Custody Seals Present/Intact Y N NA |
|          |  |  |  |  |  |  |  |  |  | Custody Signatures Present Y N NA   |
|          |  |  |  |  |  |  |  |  |  | Collector Signature Present Y N NA  |
|          |  |  |  |  |  |  |  |  |  | Bottles Intact Y N NA               |
|          |  |  |  |  |  |  |  |  |  | Correct Bottles Y N NA              |
|          |  |  |  |  |  |  |  |  |  | Sufficient Volume Y N NA            |
|          |  |  |  |  |  |  |  |  |  | Samples Received on Ice Y N NA      |
|          |  |  |  |  |  |  |  |  |  | VOA - Headspace Acceptable Y N NA   |
|          |  |  |  |  |  |  |  |  |  | USDA Regulated Soils Y N NA         |
|          |  |  |  |  |  |  |  |  |  | Samples in Holding Time Y N NA      |
|          |  |  |  |  |  |  |  |  |  | Residual Chlorine Present Y N NA    |
|          |  |  |  |  |  |  |  |  |  | Cl Strips:                          |
|          |  |  |  |  |  |  |  |  |  | Sample pH Acceptable Y N NA         |
|          |  |  |  |  |  |  |  |  |  | pH Strips: <b>1</b>                 |
|          |  |  |  |  |  |  |  |  |  | Sulfide Present Y N NA              |
|          |  |  |  |  |  |  |  |  |  | Lead Acetate Strips: <b>1</b>       |
|          |  |  |  |  |  |  |  |  |  | LAB USE ONLY:                       |
|          |  |  |  |  |  |  |  |  |  | Lab Sample # / Comments:            |

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) |      | Composite End |      | Res Cl | # of Ctns |
|--------------------|----------|-------------|--------------------------------|------|---------------|------|--------|-----------|
|                    |          |             | Date                           | Time | Date          | Time |        |           |
| SB-11 (1)          | SL       | 6           | 9/6/22                         | 1345 |               |      |        |           |
| SB-11 (2)          |          |             |                                | 1350 |               |      |        |           |
| SB-11 (7)          |          |             |                                | 1355 |               |      |        |           |
| SB-12 (1)          |          |             |                                | 1300 |               |      |        |           |
| SB-12 (3)          |          |             |                                | 1305 |               |      |        |           |
| SB-12 (7)          |          |             |                                | 1310 |               |      |        |           |

Lead A Hold

Customer Remarks / Special Conditions / Possible Hazards: **1**

Type of Ice Used: Wet Blue Dry None

Packing Material Used: **1**

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: **2828755**

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: **1**

Cooler 1 Temp Upon Receipt: **1** °C

Cooler 1 Therm Corr. Factor: **1** °C

Cooler 1 Corrected Temp: **1** °C

Comments: **1**

Relinquished by/Company: (Signature) **1** Date/Time: **1600 9/6/22**

Relinquished by/Company: (Signature) **CS Logistics** Date/Time: **9/12/22 0810**

Relinquished by/Company: (Signature) **1** Date/Time: **1**

Received by/Company: (Signature) **1** Date/Time: **1**

Received by/Company: (Signature) **1** Date/Time: **9/12/22 0810**

Received by/Company: (Signature) **1** Date/Time: **1**

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: **4** of 58







**Sample Condition Upon Receipt Form (SCUR)**

Project #:

Client Name: Terraviva

WO#: **40250983**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_



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 - 120 Type of Ice: Wet Blue Dry None  Meltwater Only

Cooler Temperature Uncorr: 0 /Corr: 0

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Person examining contents:

Date: 8/17/22 /Initials: mtt

Labeled By Initials: JP

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

|   |                                       |
|---|---------------------------------------|
| Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A  | 1.                                    |
| 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.                                    |
| - DI VOA Samples frozen upon receipt <input type="checkbox"/> Yes <input type="checkbox"/> No   | Date/Time:                            |
| 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: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 8.                                    |
| Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  | 9.                                    |
| Correct Type: <u>Pace Green Bay, Pace IR, Non-Pace</u>  |                                       |
| 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A   | 12. <u>NO date or time m/19/17/22</u> |
| -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: \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample log in

November 17, 2022

Lucas Chabela  
Terracon, Inc. - Franklin  
9856 South 57th Street  
Franklin, WI 53132

RE: Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

Dear Lucas Chabela:


Enclosed are the analytical results for sample(s) received by the laboratory on November 10, 2022. 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

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 58217147 FMR LOEBS LORMAN

Pace Project No.: 40254495

---

### **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

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 58217147 FMR LOEBS LORMAN

Pace Project No.: 40254495

---

| Lab ID      | Sample ID   | Matrix | Date Collected | Date Received  |
|-------------|-------------|--------|----------------|----------------|
| 40254495001 | OAK PROFILE | Solid  | 11/09/22 13:00 | 11/10/22 08:15 |

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 58217147 FMR LOEBS LORMAN

Pace Project No.: 40254495

| Lab ID      | Sample ID   | Method           | Analysts | Analytes Reported | Laboratory |
|-------------|-------------|------------------|----------|-------------------|------------|
| 40254495001 | OAK PROFILE | EPA 8082A        | BLM      | 10                | PASI-G     |
|             |             | EPA 6010D        | SIS      | 7                 | PASI-G     |
|             |             | EPA 6010D        | SIS      | 1                 | PASI-G     |
|             |             | EPA 7471         | AJT      | 1                 | PASI-G     |
|             |             | EPA 8270E by SIM | RJN      | 20                | PASI-G     |
|             |             | EPA 8260         | ALD      | 64                | PASI-G     |
|             |             | ASTM D2974-87    | MJV      | 1                 | PASI-G     |

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

| Lab Sample ID<br>Method | Client Sample ID<br>Parameters | Result | Units | Report Limit | Analyzed       | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| <b>40254495001</b>      | <b>OAK PROFILE</b>             |        |       |              |                |            |
| EPA 6010D               | Arsenic                        | 6.0    | mg/kg | 2.7          | 11/15/22 19:59 |            |
| EPA 6010D               | Barium                         | 38.4   | mg/kg | 0.54         | 11/15/22 19:59 |            |
| EPA 6010D               | Cadmium                        | 1.3    | mg/kg | 0.54         | 11/15/22 19:59 |            |
| EPA 6010D               | Chromium                       | 19.2   | mg/kg | 1.1          | 11/15/22 19:59 |            |
| EPA 6010D               | Lead                           | 76.9   | mg/kg | 2.2          | 11/15/22 19:59 |            |
| EPA 7471                | Mercury                        | 0.10   | mg/kg | 0.036        | 11/16/22 09:44 |            |
| EPA 8270E by SIM        | Acenaphthene                   | 28.0J  | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Acenaphthylene                 | 15.4J  | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Anthracene                     | 86.4J  | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Benzo(a)anthracene             | 218    | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Benzo(a)pyrene                 | 104J   | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Benzo(b)fluoranthene           | 151    | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Benzo(g,h,i)perylene           | 89.4J  | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Benzo(k)fluoranthene           | 40.3J  | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Chrysene                       | 284    | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Dibenz(a,h)anthracene          | 32.8J  | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Fluoranthene                   | 522    | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Fluorene                       | 21.2J  | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Indeno(1,2,3-cd)pyrene         | 50.9J  | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | 1-Methylnaphthalene            | 134    | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | 2-Methylnaphthalene            | 281    | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Naphthalene                    | 266    | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Phenanthrene                   | 889    | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8270E by SIM        | Pyrene                         | 370    | ug/kg | 109          | 11/11/22 17:19 |            |
| EPA 8260                | Naphthalene                    | 33.7J  | ug/kg | 325          | 11/11/22 16:05 |            |
| EPA 8260                | Tetrachloroethene              | 44.4J  | ug/kg | 65.1         | 11/11/22 16:05 |            |
| EPA 8260                | Toluene                        | 66.0   | ug/kg | 65.1         | 11/11/22 16:05 |            |
| EPA 8260                | 1,2,4-Trimethylbenzene         | 27.5J  | ug/kg | 65.1         | 11/11/22 16:05 |            |
| EPA 8260                | m&p-Xylene                     | 39.3J  | ug/kg | 130          | 11/11/22 16:05 |            |
| EPA 8260                | o-Xylene                       | 19.6J  | ug/kg | 65.1         | 11/11/22 16:05 |            |
| ASTM D2974-87           | Percent Moisture               | 13.1   | %     | 0.10         | 11/10/22 15:41 |            |

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

---

**Method:** EPA 8082A  
**Description:** 8082A GCS PCB  
**Client:** Terracon, Inc. - Franklin  
**Date:** November 17, 2022

### General Information:

1 sample was analyzed for EPA 8082A by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 3541 with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:

Analyte Comments:

QC Batch: 431241

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- OAK PROFILE (Lab ID: 40254495001)
- PCB-1016 (Aroclor 1016)

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 58217147 FMR LOEBS LORMAN

Pace Project No.: 40254495

---

**Method:** EPA 6010D

**Description:** 6010D MET ICP

**Client:** Terracon, Inc. - Franklin

**Date:** November 17, 2022

**General Information:**

1 sample was analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 431335

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40254437003

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 2484292)
  - Selenium
- MSD (Lab ID: 2484293)
  - Selenium

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 58217147 FMR LOEBS LORMAN

Pace Project No.: 40254495

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**Method:** EPA 6010D

**Description:** 6010D MET ICP, TCLP

**Client:** Terracon, Inc. - Franklin

**Date:** November 17, 2022

**General Information:**

1 sample was analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3015A with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 58217147 FMR LOEBS LORMAN

Pace Project No.: 40254495

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**Method:** EPA 7471

**Description:** 7471 Mercury

**Client:** Terracon, Inc. - Franklin

**Date:** November 17, 2022

**General Information:**

1 sample was analyzed for EPA 7471 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 58217147 FMR LOEBS LORMAN

Pace Project No.: 40254495

---

**Method:** EPA 8270E by SIM

**Description:** 8270E MSSV PAH by SIM

**Client:** Terracon, Inc. - Franklin

**Date:** November 17, 2022

**General Information:**

1 sample was analyzed for EPA 8270E by SIM by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 58217147 FMR LOEBS LORMAN

Pace Project No.: 40254495

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**Method:** EPA 8260

**Description:** 8260 MSV Med Level Normal List

**Client:** Terracon, Inc. - Franklin

**Date:** November 17, 2022

**General Information:**

1 sample was analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

**Sample: OAK PROFILE**      **Lab ID: 40254495001**      Collected: 11/09/22 13:00      Received: 11/10/22 08:15      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters  | Results | Units | LOQ   | LOD    | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|---|---------|-------|-------|--------|----|----------------|----------------|------------|------|
| <b>8082A GCS PCB</b>  |         |       |       |        |    |                |                |            |      |
| Analytical Method: EPA 8082A    Preparation Method: EPA 3541        |         |       |       |        |    |                |                |            |      |
| Pace Analytical Services - Green Bay                                |         |       |       |        |    |                |                |            |      |
| PCB-1016 (Aroclor 1016)   | <175    | ug/kg | 574   | 175    | 10 | 11/11/22 09:07 | 11/15/22 05:58 | 12674-11-2 | D3   |
| PCB-1221 (Aroclor 1221)   | <175    | ug/kg | 574   | 175    | 10 | 11/11/22 09:07 | 11/15/22 05:58 | 11104-28-2 |      |
| PCB-1232 (Aroclor 1232)   | <175    | ug/kg | 574   | 175    | 10 | 11/11/22 09:07 | 11/15/22 05:58 | 11141-16-5 |      |
| PCB-1242 (Aroclor 1242)   | <175    | ug/kg | 574   | 175    | 10 | 11/11/22 09:07 | 11/15/22 05:58 | 53469-21-9 |      |
| PCB-1248 (Aroclor 1248)   | <175    | ug/kg | 574   | 175    | 10 | 11/11/22 09:07 | 11/15/22 05:58 | 12672-29-6 |      |
| PCB-1254 (Aroclor 1254)   | <175    | ug/kg | 574   | 175    | 10 | 11/11/22 09:07 | 11/15/22 05:58 | 11097-69-1 |      |
| PCB-1260 (Aroclor 1260)   | <175    | ug/kg | 574   | 175    | 10 | 11/11/22 09:07 | 11/15/22 05:58 | 11096-82-5 |      |
| PCB, Total  | <175    | ug/kg | 574   | 175    | 10 | 11/11/22 09:07 | 11/15/22 05:58 | 1336-36-3  |      |
| <b>Surrogates</b>   |         |       |       |        |    |                |                |            |      |
| Tetrachloro-m-xylene (S)  | 74      | %     | 50-99 |        | 10 | 11/11/22 09:07 | 11/15/22 05:58 | 877-09-8   |      |
| Decachlorobiphenyl (S)  | 70      | %     | 38-95 |        | 10 | 11/11/22 09:07 | 11/15/22 05:58 | 2051-24-3  |      |
| <b>6010D MET ICP</b>  |         |       |       |        |    |                |                |            |      |
| Analytical Method: EPA 6010D    Preparation Method: EPA 3050B       |         |       |       |        |    |                |                |            |      |
| Pace Analytical Services - Green Bay                                |         |       |       |        |    |                |                |            |      |
| Arsenic   | 6.0     | mg/kg | 2.7   | 1.6    | 1  | 11/14/22 07:47 | 11/15/22 19:59 | 7440-38-2  |      |
| Barium  | 38.4    | mg/kg | 0.54  | 0.16   | 1  | 11/14/22 07:47 | 11/15/22 19:59 | 7440-39-3  |      |
| Cadmium   | 1.3     | mg/kg | 0.54  | 0.14   | 1  | 11/14/22 07:47 | 11/15/22 19:59 | 7440-43-9  |      |
| Chromium  | 19.2    | mg/kg | 1.1   | 0.30   | 1  | 11/14/22 07:47 | 11/15/22 19:59 | 7440-47-3  |      |
| Lead  | 76.9    | mg/kg | 2.2   | 0.65   | 1  | 11/14/22 07:47 | 11/15/22 19:59 | 7439-92-1  |      |
| Selenium  | <1.4    | mg/kg | 4.4   | 1.4    | 1  | 11/14/22 07:47 | 11/15/22 19:59 | 7782-49-2  |      |
| Silver  | <0.33   | mg/kg | 1.1   | 0.33   | 1  | 11/14/22 07:47 | 11/15/22 19:59 | 7440-22-4  |      |
| <b>6010D MET ICP, TCLP</b>  |         |       |       |        |    |                |                |            |      |
| Analytical Method: EPA 6010D    Preparation Method: EPA 3015A       |         |       |       |        |    |                |                |            |      |
| Leachate Method/Date: EPA 1311; 11/14/22 14:25                      |         |       |       |        |    |                |                |            |      |
| Pace Analytical Services - Green Bay                                |         |       |       |        |    |                |                |            |      |
| Lead  | <0.0059 | mg/L  | 0.020 | 0.0059 | 1  | 11/15/22 11:13 | 11/15/22 20:42 | 7439-92-1  |      |
| <b>7471 Mercury</b>   |         |       |       |        |    |                |                |            |      |
| Analytical Method: EPA 7471    Preparation Method: EPA 7471         |         |       |       |        |    |                |                |            |      |
| Pace Analytical Services - Green Bay                                |         |       |       |        |    |                |                |            |      |
| Mercury   | 0.10    | mg/kg | 0.036 | 0.010  | 1  | 11/15/22 07:05 | 11/16/22 09:44 | 7439-97-6  |      |
| <b>8270E MSSV PAH by SIM</b>  |         |       |       |        |    |                |                |            |      |
| Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546 |         |       |       |        |    |                |                |            |      |
| Pace Analytical Services - Green Bay                                |         |       |       |        |    |                |                |            |      |
| Acenaphthene  | 28.0J   | ug/kg | 109   | 14.2   | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 83-32-9    |      |
| Acenaphthylene  | 15.4J   | ug/kg | 109   | 13.8   | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 208-96-8   |      |
| Anthracene  | 86.4J   | ug/kg | 109   | 13.6   | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 120-12-7   |      |
| Benzo(a)anthracene  | 218     | ug/kg | 109   | 14.1   | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 56-55-3    |      |
| Benzo(a)pyrene  | 104J    | ug/kg | 109   | 12.4   | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 50-32-8    |      |
| Benzo(b)fluoranthene  | 151     | ug/kg | 109   | 15.2   | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 205-99-2   |      |
| Benzo(g,h,i)perylene  | 89.4J   | ug/kg | 109   | 19.2   | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 191-24-2   |      |
| Benzo(k)fluoranthene  | 40.3J   | ug/kg | 109   | 14.0   | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 207-08-9   |      |
| Chrysene  | 284     | ug/kg | 109   | 20.6   | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 218-01-9   |      |
| Dibenz(a,h)anthracene   | 32.8J   | ug/kg | 109   | 15.1   | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 53-70-3    |      |
| Fluoranthene  | 522     | ug/kg | 109   | 12.9   | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 206-44-0   |      |

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 58217147 FMR LOEBS LORMAN

Pace Project No.: 40254495

**Sample: OAK PROFILE**      **Lab ID: 40254495001**      Collected: 11/09/22 13:00      Received: 11/10/22 08:15      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters  | Results       | Units | LOQ    | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|---|---------------|-------|--------|------|----|----------------|----------------|-----------|------|
| <b>8270E MSSV PAH by SIM</b>  |               |       |        |      |    |                |                |           |      |
| Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3546 |               |       |        |      |    |                |                |           |      |
| Pace Analytical Services - Green Bay                                |               |       |        |      |    |                |                |           |      |
| Fluorene  | <b>21.2J</b>  | ug/kg | 109    | 13.1 | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 86-73-7   |      |
| Indeno(1,2,3-cd)pyrene  | <b>50.9J</b>  | ug/kg | 109    | 22.8 | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 193-39-5  |      |
| 1-Methylnaphthalene   | <b>134</b>    | ug/kg | 109    | 16.0 | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 90-12-0   |      |
| 2-Methylnaphthalene   | <b>281</b>    | ug/kg | 109    | 16.0 | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 91-57-6   |      |
| Naphthalene   | <b>266</b>    | ug/kg | 109    | 10.7 | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 91-20-3   |      |
| Phenanthrene  | <b>889</b>    | ug/kg | 109    | 12.5 | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 85-01-8   |      |
| Pyrene  | <b>370</b>    | ug/kg | 109    | 16.1 | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 129-00-0  |      |
| <b>Surrogates</b>   |               |       |        |      |    |                |                |           |      |
| 2-Fluorobiphenyl (S)  | 74            | %     | 41-98  |      | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 321-60-8  |      |
| Terphenyl-d14 (S)   | 78            | %     | 37-106 |      | 4  | 11/11/22 07:59 | 11/11/22 17:19 | 1718-51-0 |      |
| <b>8260 MSV Med Level Normal List</b>                               |               |       |        |      |    |                |                |           |      |
| Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B   |               |       |        |      |    |                |                |           |      |
| Pace Analytical Services - Green Bay                                |               |       |        |      |    |                |                |           |      |
| Benzene   | < <b>15.5</b> | ug/kg | 26.0   | 15.5 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 71-43-2   |      |
| Bromobenzene  | < <b>25.4</b> | ug/kg | 65.1   | 25.4 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 108-86-1  |      |
| Bromochloromethane  | < <b>17.8</b> | ug/kg | 65.1   | 17.8 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 74-97-5   |      |
| Bromodichloromethane  | < <b>15.5</b> | ug/kg | 65.1   | 15.5 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 75-27-4   |      |
| Bromoform   | < <b>286</b>  | ug/kg | 325    | 286  | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 75-25-2   |      |
| Bromomethane  | < <b>91.3</b> | ug/kg | 325    | 91.3 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 74-83-9   |      |
| n-Butylbenzene  | < <b>29.8</b> | ug/kg | 65.1   | 29.8 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 104-51-8  |      |
| sec-Butylbenzene  | < <b>15.9</b> | ug/kg | 65.1   | 15.9 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 135-98-8  |      |
| tert-Butylbenzene   | < <b>20.4</b> | ug/kg | 65.1   | 20.4 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 98-06-6   |      |
| Carbon tetrachloride  | < <b>14.3</b> | ug/kg | 65.1   | 14.3 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 56-23-5   |      |
| Chlorobenzene   | < <b>7.8</b>  | ug/kg | 65.1   | 7.8  | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 108-90-7  |      |
| Chloroethane  | < <b>27.5</b> | ug/kg | 325    | 27.5 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 75-00-3   |      |
| Chloroform  | < <b>46.6</b> | ug/kg | 325    | 46.6 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 67-66-3   |      |
| Chloromethane   | < <b>24.7</b> | ug/kg | 65.1   | 24.7 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 74-87-3   |      |
| 2-Chlorotoluene   | < <b>21.1</b> | ug/kg | 65.1   | 21.1 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 95-49-8   |      |
| 4-Chlorotoluene   | < <b>24.7</b> | ug/kg | 65.1   | 24.7 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 106-43-4  |      |
| 1,2-Dibromo-3-chloropropane   | < <b>50.5</b> | ug/kg | 325    | 50.5 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 96-12-8   |      |
| Dibromochloromethane  | < <b>223</b>  | ug/kg | 325    | 223  | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 124-48-1  |      |
| 1,2-Dibromoethane (EDB)   | < <b>17.8</b> | ug/kg | 65.1   | 17.8 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 106-93-4  |      |
| Dibromomethane  | < <b>19.3</b> | ug/kg | 65.1   | 19.3 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 74-95-3   |      |
| 1,2-Dichlorobenzene   | < <b>20.2</b> | ug/kg | 65.1   | 20.2 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 95-50-1   |      |
| 1,3-Dichlorobenzene   | < <b>17.8</b> | ug/kg | 65.1   | 17.8 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 541-73-1  |      |
| 1,4-Dichlorobenzene   | < <b>17.8</b> | ug/kg | 65.1   | 17.8 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 106-46-7  |      |
| Dichlorodifluoromethane   | < <b>28.0</b> | ug/kg | 65.1   | 28.0 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 75-71-8   |      |
| 1,1-Dichloroethane  | < <b>16.7</b> | ug/kg | 65.1   | 16.7 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 75-34-3   |      |
| 1,2-Dichloroethane  | < <b>15.0</b> | ug/kg | 65.1   | 15.0 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 107-06-2  |      |
| 1,1-Dichloroethene  | < <b>21.6</b> | ug/kg | 65.1   | 21.6 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 75-35-4   |      |
| cis-1,2-Dichloroethene  | < <b>13.9</b> | ug/kg | 65.1   | 13.9 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 156-59-2  |      |
| trans-1,2-Dichloroethene  | < <b>14.1</b> | ug/kg | 65.1   | 14.1 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 156-60-5  |      |
| 1,2-Dichloropropane   | < <b>15.5</b> | ug/kg | 65.1   | 15.5 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 78-87-5   |      |
| 1,3-Dichloropropane   | < <b>14.2</b> | ug/kg | 65.1   | 14.2 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 142-28-9  |      |

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

**Sample: OAK PROFILE**      **Lab ID: 40254495001**      Collected: 11/09/22 13:00      Received: 11/10/22 08:15      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters   | Results | Units | LOQ    | LOD  | 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                           |         |       |        |      |    |                |                |             |      |
| 2,2-Dichloropropane  | <17.6   | ug/kg | 65.1   | 17.6 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 594-20-7    |      |
| 1,1-Dichloropropene  | <21.1   | ug/kg | 65.1   | 21.1 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 563-58-6    |      |
| cis-1,3-Dichloropropene  | <43.0   | ug/kg | 325    | 43.0 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 10061-01-5  |      |
| trans-1,3-Dichloropropene                                      | <186    | ug/kg | 325    | 186  | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 10061-02-6  |      |
| Diisopropyl ether  | <16.1   | ug/kg | 65.1   | 16.1 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 108-20-3    |      |
| Ethylbenzene   | <15.5   | ug/kg | 65.1   | 15.5 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 100-41-4    |      |
| Hexachloro-1,3-butadiene                                       | <129    | ug/kg | 325    | 129  | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 87-68-3     |      |
| Isopropylbenzene (Cumene)                                      | <17.6   | ug/kg | 65.1   | 17.6 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 98-82-8     |      |
| p-Isopropyltoluene   | <19.8   | ug/kg | 65.1   | 19.8 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 99-87-6     |      |
| Methylene Chloride   | <18.1   | ug/kg | 65.1   | 18.1 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 75-09-2     |      |
| Methyl-tert-butyl ether  | <19.1   | ug/kg | 65.1   | 19.1 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 1634-04-4   |      |
| Naphthalene  | 33.7J   | ug/kg | 325    | 20.3 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 91-20-3     |      |
| n-Propylbenzene  | <15.6   | ug/kg | 65.1   | 15.6 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 103-65-1    |      |
| Styrene  | <16.7   | ug/kg | 65.1   | 16.7 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 100-42-5    |      |
| 1,1,1,2-Tetrachloroethane                                      | <15.6   | ug/kg | 65.1   | 15.6 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 630-20-6    |      |
| 1,1,2,2-Tetrachloroethane                                      | <23.6   | ug/kg | 65.1   | 23.6 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 79-34-5     |      |
| Tetrachloroethene  | 44.4J   | ug/kg | 65.1   | 25.3 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 127-18-4    |      |
| Toluene  | 66.0    | ug/kg | 65.1   | 16.4 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 108-88-3    |      |
| 1,2,3-Trichlorobenzene   | <72.5   | ug/kg | 325    | 72.5 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 87-61-6     |      |
| 1,2,4-Trichlorobenzene   | <53.6   | ug/kg | 325    | 53.6 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 120-82-1    |      |
| 1,1,1-Trichloroethane  | <16.7   | ug/kg | 65.1   | 16.7 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 71-55-6     |      |
| 1,1,2-Trichloroethane  | <23.7   | ug/kg | 65.1   | 23.7 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 79-00-5     |      |
| Trichloroethene  | <24.3   | ug/kg | 65.1   | 24.3 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 79-01-6     |      |
| Trichlorofluoromethane   | <18.9   | ug/kg | 65.1   | 18.9 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 75-69-4     |      |
| 1,2,3-Trichloropropane   | <31.6   | ug/kg | 65.1   | 31.6 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 96-18-4     |      |
| 1,2,4-Trimethylbenzene   | 27.5J   | ug/kg | 65.1   | 19.4 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 95-63-6     |      |
| 1,3,5-Trimethylbenzene   | <21.0   | ug/kg | 65.1   | 21.0 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 108-67-8    |      |
| Vinyl chloride   | <13.1   | ug/kg | 65.1   | 13.1 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 75-01-4     |      |
| m&p-Xylene   | 39.3J   | ug/kg | 130    | 27.5 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 179601-23-1 |      |
| o-Xylene   | 19.6J   | ug/kg | 65.1   | 19.5 | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 95-47-6     |      |
| <b>Surrogates</b>  |         |       |        |      |    |                |                |             |      |
| Toluene-d8 (S)   | 116     | %     | 69-153 |      | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 2037-26-5   |      |
| 4-Bromofluorobenzene (S)                                       | 118     | %     | 68-156 |      | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 460-00-4    |      |
| 1,2-Dichlorobenzene-d4 (S)                                     | 118     | %     | 71-161 |      | 1  | 11/11/22 07:30 | 11/11/22 16:05 | 2199-69-1   |      |

**Percent Moisture**

Analytical Method: ASTM D2974-87  
Pace Analytical Services - Green Bay

|                  |      |   |      |      |   |  |                |  |  |
|------------------|------|---|------|------|---|--|----------------|--|--|
| Percent Moisture | 13.1 | % | 0.10 | 0.10 | 1 |  | 11/10/22 15:41 |  |  |
|------------------|------|---|------|------|---|--|----------------|--|--|

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### QUALITY CONTROL DATA

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

|                           |  |
|---------------------------|--|
| QC Batch: 431480          | Analysis Method: EPA 7471                        |
| QC Batch Method: EPA 7471 | Analysis Description: 7471 Mercury               |
|                           | Laboratory: Pace Analytical Services - Green Bay |

Associated Lab Samples: 40254495001

METHOD BLANK: 2484866 Matrix: Solid  
Associated Lab Samples: 40254495001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Mercury   | mg/kg | <0.010       | 0.035           | 11/16/22 08:44 |            |

LABORATORY CONTROL SAMPLE: 2484867

| 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: 2484868 2484869

| Parameter | Units | 2484868        |                 | 2484869   |            | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
|           |       | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result |          |           |              |     |         |      |
| Mercury   | mg/kg | 0.044          | 0.9             | 0.97      | 0.94       | 103      | 100       | 85-115       | 3   | 20      |      |

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### QUALITY CONTROL DATA

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

QC Batch: 431335 Analysis Method: EPA 6010D  
QC Batch Method: EPA 3050B Analysis Description: 6010D MET  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40254495001

METHOD BLANK: 2484290 Matrix: Solid  
Associated Lab Samples: 40254495001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Arsenic   | mg/kg | <1.5         | 2.5             | 11/15/22 19:02 |            |
| Barium    | mg/kg | <0.15        | 0.50            | 11/15/22 19:02 |            |
| Cadmium   | mg/kg | <0.13        | 0.50            | 11/15/22 19:02 |            |
| Chromium  | mg/kg | <0.28        | 1.0             | 11/15/22 19:02 |            |
| Lead      | mg/kg | <0.60        | 2.0             | 11/15/22 19:02 |            |
| Selenium  | mg/kg | <1.3         | 4.0             | 11/15/22 19:02 |            |
| Silver    | mg/kg | <0.31        | 1.0             | 11/15/22 19:02 |            |

LABORATORY CONTROL SAMPLE: 2484291

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Arsenic   | mg/kg | 25          | 23.8       | 95        | 80-120       |            |
| Barium    | mg/kg | 25          | 24.2       | 97        | 80-120       |            |
| Cadmium   | mg/kg | 25          | 24.8       | 99        | 80-120       |            |
| Chromium  | mg/kg | 25          | 24.5       | 98        | 80-120       |            |
| Lead      | mg/kg | 25          | 25.4       | 102       | 80-120       |            |
| Selenium  | mg/kg | 25          | 24.7       | 99        | 80-120       |            |
| Silver    | mg/kg | 12.5        | 12.8       | 102       | 80-120       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2484292 2484293

| Parameter | Units | MS                 |             | MSD         |        | MS % Rec | MSD % Rec | % Rec Limits | RPD    | Max RPD | Qual  |
|-----------|-------|--------------------|-------------|-------------|--------|----------|-----------|--------------|--------|---------|-------|
|           |       | 40254437003 Result | Spike Conc. | Spike Conc. | Result |          |           |              |        |         |       |
| Arsenic   | mg/kg | <17.2              | 58.9        | 59.1        | 58.0   | 55.7     | 97        | 93           | 75-125 | 4       | 20    |
| Barium    | mg/kg | 123                | 58.9        | 59.1        | 184    | 179      | 104       | 95           | 75-125 | 3       | 20    |
| Cadmium   | mg/kg | <1.6               | 58.9        | 59.1        | 57.4   | 56.3     | 97        | 95           | 75-125 | 2       | 20    |
| Chromium  | mg/kg | 22.7               | 58.9        | 59.1        | 82.4   | 81.1     | 101       | 99           | 75-125 | 2       | 20    |
| Lead      | mg/kg | 17.6J              | 58.9        | 59.1        | 72.4   | 70.9     | 93        | 90           | 75-125 | 2       | 20    |
| Selenium  | mg/kg | <15.4              | 58.9        | 59.1        | 42.7J  | 40.2J    | 72        | 68           | 75-125 |         | 20 M0 |
| Silver    | mg/kg | <3.6               | 29.3        | 29.6        | 28.3   | 27.9     | 92        | 90           | 75-125 | 1       | 20    |

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### QUALITY CONTROL DATA

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

QC Batch: 431529      Analysis Method: EPA 6010D  
QC Batch Method: EPA 3015A      Analysis Description: 6010D MET TCLP  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40254495001

METHOD BLANK: 2485060      Matrix: Water  
Associated Lab Samples: 40254495001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/L  | <0.0059      | 0.020           | 11/15/22 20:12 |            |

METHOD BLANK: 2484558      Matrix: Solid  
Associated Lab Samples: 40254495001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/L  | <0.0059      | 0.020           | 11/15/22 21:28 |            |

METHOD BLANK: 2484559      Matrix: Solid  
Associated Lab Samples: 40254495001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/L  | <0.0059      | 0.020           | 11/15/22 20:52 |            |

METHOD BLANK: 2484560      Matrix: Solid  
Associated Lab Samples: 40254495001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/L  | <0.0059      | 0.020           | 11/15/22 21:43 |            |

METHOD BLANK: 2484561      Matrix: Solid  
Associated Lab Samples: 40254495001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/L  | <0.0059      | 0.020           | 11/15/22 21:54 |            |

LABORATORY CONTROL SAMPLE: 2485061

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Lead      | mg/L  | 0.28        | 0.29       | 104       | 80-120       |            |

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### QUALITY CONTROL DATA

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

| MATRIX SPIKE SAMPLE: |       | 2485062 |       | 40254428001 | Spike | MS     | MS    | % Rec  |            |  |
|----------------------|-------|---------|-------|-------------|-------|--------|-------|--------|------------|--|
| Parameter            | Units | Result  | Conc. | Result      | % Rec | Result | % Rec | Limits | Qualifiers |  |
| Lead                 | mg/L  | <0.0059 | 0.28  | 0.29        | 105   |        |       | 75-125 |            |  |

| MATRIX SPIKE SAMPLE: |       | 2485063 |       | 40254462001 | Spike | MS     | MS    | % Rec  |            |  |
|----------------------|-------|---------|-------|-------------|-------|--------|-------|--------|------------|--|
| Parameter            | Units | Result  | Conc. | Result      | % Rec | Result | % Rec | Limits | Qualifiers |  |
| Lead                 | mg/L  | <0.059  | 0.28  | 0.29        | 102   |        |       | 75-125 |            |  |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: |       | 2485064     |       | 2485065 |        |        |       |       |        |     |     |      |
|--|-------|-------------|-------|---------|--------|--------|-------|-------|--------|-----|-----|------|
| Parameter                              | Units | 40254594001 | MS    | MSD     | MS     | MSD    | MS    | MSD   | % Rec  | Max |     |      |
|  |       | Result      | Spike | Spike   | Result | Result | % Rec | % Rec | Limits | RPD | RPD | Qual |
| Lead                                   | mg/L  | 0.0068J     | 0.28  | 0.28    | 0.28   | 0.28   | 99    | 98    | 75-125 | 1   | 20  |      |

| MATRIX SPIKE SAMPLE: |       | 2485066 |       | 40254630001 | Spike | MS     | MS    | % Rec  |            |  |
|----------------------|-------|---------|-------|-------------|-------|--------|-------|--------|------------|--|
| Parameter            | Units | Result  | Conc. | Result      | Conc. | Result | % Rec | Limits | Qualifiers |  |
| Lead                 | mg/L  | <0.012  | 0.28  | 0.30        |       |        |       | 75-125 |            |  |

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### QUALITY CONTROL DATA

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

QC Batch: 431231 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: 40254495001

METHOD BLANK: 2483168 Matrix: Solid  
Associated Lab Samples: 40254495001

| Parameter                   | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane   | ug/kg | <12.0        | 50.0            | 11/11/22 11:50 |            |
| 1,1,1-Trichloroethane       | ug/kg | <12.8        | 50.0            | 11/11/22 11:50 |            |
| 1,1,2,2-Tetrachloroethane   | ug/kg | <18.1        | 50.0            | 11/11/22 11:50 |            |
| 1,1,2-Trichloroethane       | ug/kg | <18.2        | 50.0            | 11/11/22 11:50 |            |
| 1,1-Dichloroethane          | ug/kg | <12.8        | 50.0            | 11/11/22 11:50 |            |
| 1,1-Dichloroethene          | ug/kg | <16.6        | 50.0            | 11/11/22 11:50 |            |
| 1,1-Dichloropropene         | ug/kg | <16.2        | 50.0            | 11/11/22 11:50 |            |
| 1,2,3-Trichlorobenzene      | ug/kg | <55.7        | 250             | 11/11/22 11:50 |            |
| 1,2,3-Trichloropropane      | ug/kg | <24.3        | 50.0            | 11/11/22 11:50 |            |
| 1,2,4-Trichlorobenzene      | ug/kg | <41.2        | 250             | 11/11/22 11:50 |            |
| 1,2,4-Trimethylbenzene      | ug/kg | <14.9        | 50.0            | 11/11/22 11:50 |            |
| 1,2-Dibromo-3-chloropropane | ug/kg | <38.8        | 250             | 11/11/22 11:50 |            |
| 1,2-Dibromoethane (EDB)     | ug/kg | <13.7        | 50.0            | 11/11/22 11:50 |            |
| 1,2-Dichlorobenzene         | ug/kg | <15.5        | 50.0            | 11/11/22 11:50 |            |
| 1,2-Dichloroethane          | ug/kg | <11.5        | 50.0            | 11/11/22 11:50 |            |
| 1,2-Dichloropropane         | ug/kg | <11.9        | 50.0            | 11/11/22 11:50 |            |
| 1,3,5-Trimethylbenzene      | ug/kg | <16.1        | 50.0            | 11/11/22 11:50 |            |
| 1,3-Dichlorobenzene         | ug/kg | <13.7        | 50.0            | 11/11/22 11:50 |            |
| 1,3-Dichloropropane         | ug/kg | <10.9        | 50.0            | 11/11/22 11:50 |            |
| 1,4-Dichlorobenzene         | ug/kg | <13.7        | 50.0            | 11/11/22 11:50 |            |
| 2,2-Dichloropropane         | ug/kg | <13.5        | 50.0            | 11/11/22 11:50 |            |
| 2-Chlorotoluene             | ug/kg | <16.2        | 50.0            | 11/11/22 11:50 |            |
| 4-Chlorotoluene             | ug/kg | <19.0        | 50.0            | 11/11/22 11:50 |            |
| Benzene                     | ug/kg | <11.9        | 20.0            | 11/11/22 11:50 |            |
| Bromobenzene                | ug/kg | <19.5        | 50.0            | 11/11/22 11:50 |            |
| Bromochloromethane          | ug/kg | <13.7        | 50.0            | 11/11/22 11:50 |            |
| Bromodichloromethane        | ug/kg | <11.9        | 50.0            | 11/11/22 11:50 |            |
| Bromoform                   | ug/kg | <220         | 250             | 11/11/22 11:50 |            |
| Bromomethane                | ug/kg | <70.1        | 250             | 11/11/22 11:50 |            |
| Carbon tetrachloride        | ug/kg | <11.0        | 50.0            | 11/11/22 11:50 |            |
| Chlorobenzene               | ug/kg | <6.0         | 50.0            | 11/11/22 11:50 |            |
| Chloroethane                | ug/kg | <21.1        | 250             | 11/11/22 11:50 |            |
| Chloroform                  | ug/kg | <35.8        | 250             | 11/11/22 11:50 |            |
| Chloromethane               | ug/kg | <19.0        | 50.0            | 11/11/22 11:50 |            |
| cis-1,2-Dichloroethene      | ug/kg | <10.7        | 50.0            | 11/11/22 11:50 |            |
| cis-1,3-Dichloropropene     | ug/kg | <33.0        | 250             | 11/11/22 11:50 |            |
| Dibromochloromethane        | ug/kg | <171         | 250             | 11/11/22 11:50 |            |
| Dibromomethane              | ug/kg | <14.8        | 50.0            | 11/11/22 11:50 |            |
| Dichlorodifluoromethane     | ug/kg | <21.5        | 50.0            | 11/11/22 11:50 |            |
| Diisopropyl ether           | ug/kg | <12.4        | 50.0            | 11/11/22 11:50 |            |

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### QUALITY CONTROL DATA

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

METHOD BLANK: 2483168 Matrix: Solid  
Associated Lab Samples: 40254495001

| Parameter                  | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|----------------------------|-------|--------------|-----------------|----------------|------------|
| Ethylbenzene               | ug/kg | <11.9        | 50.0            | 11/11/22 11:50 |            |
| Hexachloro-1,3-butadiene   | ug/kg | <99.4        | 250             | 11/11/22 11:50 |            |
| Isopropylbenzene (Cumene)  | ug/kg | <13.5        | 50.0            | 11/11/22 11:50 |            |
| m&p-Xylene                 | ug/kg | <21.1        | 100             | 11/11/22 11:50 |            |
| Methyl-tert-butyl ether    | ug/kg | <14.7        | 50.0            | 11/11/22 11:50 |            |
| Methylene Chloride         | ug/kg | <13.9        | 50.0            | 11/11/22 11:50 |            |
| n-Butylbenzene             | ug/kg | <22.9        | 50.0            | 11/11/22 11:50 |            |
| n-Propylbenzene            | ug/kg | <12.0        | 50.0            | 11/11/22 11:50 |            |
| Naphthalene                | ug/kg | <15.6        | 250             | 11/11/22 11:50 |            |
| o-Xylene                   | ug/kg | <15.0        | 50.0            | 11/11/22 11:50 |            |
| p-Isopropyltoluene         | ug/kg | <15.2        | 50.0            | 11/11/22 11:50 |            |
| sec-Butylbenzene           | ug/kg | <12.2        | 50.0            | 11/11/22 11:50 |            |
| Styrene                    | ug/kg | <12.8        | 50.0            | 11/11/22 11:50 |            |
| tert-Butylbenzene          | ug/kg | <15.7        | 50.0            | 11/11/22 11:50 |            |
| Tetrachloroethene          | ug/kg | <19.4        | 50.0            | 11/11/22 11:50 |            |
| Toluene                    | ug/kg | <12.6        | 50.0            | 11/11/22 11:50 |            |
| trans-1,2-Dichloroethene   | ug/kg | <10.8        | 50.0            | 11/11/22 11:50 |            |
| trans-1,3-Dichloropropene  | ug/kg | <143         | 250             | 11/11/22 11:50 |            |
| Trichloroethene            | ug/kg | <18.7        | 50.0            | 11/11/22 11:50 |            |
| Trichlorofluoromethane     | ug/kg | <14.5        | 50.0            | 11/11/22 11:50 |            |
| Vinyl chloride             | ug/kg | <10.1        | 50.0            | 11/11/22 11:50 |            |
| 1,2-Dichlorobenzene-d4 (S) | %     | 106          | 71-161          | 11/11/22 11:50 |            |
| 4-Bromofluorobenzene (S)   | %     | 106          | 68-156          | 11/11/22 11:50 |            |
| Toluene-d8 (S)             | %     | 95           | 69-153          | 11/11/22 11:50 |            |

LABORATORY CONTROL SAMPLE: 2483169

| Parameter                   | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane       | ug/kg | 2500        | 2490       | 100       | 70-130       |            |
| 1,1,2,2-Tetrachloroethane   | ug/kg | 2500        | 2730       | 109       | 70-130       |            |
| 1,1,2-Trichloroethane       | ug/kg | 2500        | 2390       | 96        | 70-130       |            |
| 1,1-Dichloroethane          | ug/kg | 2500        | 2690       | 107       | 70-130       |            |
| 1,1-Dichloroethene          | ug/kg | 2500        | 2770       | 111       | 77-120       |            |
| 1,2,4-Trichlorobenzene      | ug/kg | 2500        | 2740       | 110       | 67-130       |            |
| 1,2-Dibromo-3-chloropropane | ug/kg | 2500        | 2780       | 111       | 70-130       |            |
| 1,2-Dibromoethane (EDB)     | ug/kg | 2500        | 2470       | 99        | 70-130       |            |
| 1,2-Dichlorobenzene         | ug/kg | 2500        | 2590       | 104       | 70-130       |            |
| 1,2-Dichloroethane          | ug/kg | 2500        | 2470       | 99        | 70-130       |            |
| 1,2-Dichloropropane         | ug/kg | 2500        | 2670       | 107       | 80-123       |            |
| 1,3-Dichlorobenzene         | ug/kg | 2500        | 2640       | 106       | 70-130       |            |
| 1,4-Dichlorobenzene         | ug/kg | 2500        | 2480       | 99        | 70-130       |            |
| Benzene                     | ug/kg | 2500        | 2470       | 99        | 70-130       |            |
| Bromodichloromethane        | ug/kg | 2500        | 2580       | 103       | 70-130       |            |
| Bromoform                   | ug/kg | 2500        | 2470       | 99        | 60-130       |            |

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

LABORATORY CONTROL SAMPLE: 2483169

| Parameter                  | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Bromomethane               | ug/kg | 2500        | 2400       | 96        | 45-153       |            |
| Carbon tetrachloride       | ug/kg | 2500        | 2630       | 105       | 70-130       |            |
| Chlorobenzene              | ug/kg | 2500        | 2510       | 100       | 70-130       |            |
| Chloroethane               | ug/kg | 2500        | 3000       | 120       | 55-160       |            |
| Chloroform                 | ug/kg | 2500        | 2460       | 98        | 80-120       |            |
| Chloromethane              | ug/kg | 2500        | 2080       | 83        | 47-130       |            |
| cis-1,2-Dichloroethene     | ug/kg | 2500        | 2570       | 103       | 70-130       |            |
| cis-1,3-Dichloropropene    | ug/kg | 2500        | 2480       | 99        | 70-130       |            |
| Dibromochloromethane       | ug/kg | 2500        | 2500       | 100       | 70-130       |            |
| Dichlorodifluoromethane    | ug/kg | 2500        | 1190       | 47        | 16-83        |            |
| Ethylbenzene               | ug/kg | 2500        | 2620       | 105       | 80-120       |            |
| Isopropylbenzene (Cumene)  | ug/kg | 2500        | 2680       | 107       | 70-130       |            |
| m&p-Xylene                 | ug/kg | 5000        | 5400       | 108       | 70-130       |            |
| Methyl-tert-butyl ether    | ug/kg | 2500        | 2680       | 107       | 65-130       |            |
| Methylene Chloride         | ug/kg | 2500        | 2670       | 107       | 70-130       |            |
| o-Xylene                   | ug/kg | 2500        | 2710       | 108       | 70-130       |            |
| Styrene                    | ug/kg | 2500        | 2690       | 108       | 70-130       |            |
| Tetrachloroethene          | ug/kg | 2500        | 2730       | 109       | 70-130       |            |
| Toluene                    | ug/kg | 2500        | 2500       | 100       | 80-120       |            |
| trans-1,2-Dichloroethene   | ug/kg | 2500        | 2620       | 105       | 70-130       |            |
| trans-1,3-Dichloropropene  | ug/kg | 2500        | 2560       | 103       | 70-130       |            |
| Trichloroethene            | ug/kg | 2500        | 2480       | 99        | 70-130       |            |
| Trichlorofluoromethane     | ug/kg | 2500        | 2840       | 113       | 70-130       |            |
| Vinyl chloride             | ug/kg | 2500        | 2480       | 99        | 59-114       |            |
| 1,2-Dichlorobenzene-d4 (S) | %     |             |            | 105       | 71-161       |            |
| 4-Bromofluorobenzene (S)   | %     |             |            | 111       | 68-156       |            |
| Toluene-d8 (S)             | %     |             |            | 97        | 69-153       |            |

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### QUALITY CONTROL DATA

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

QC Batch: 431241 Analysis Method: EPA 8082A  
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40254495001

METHOD BLANK: 2483215 Matrix: Solid  
Associated Lab Samples: 40254495001

| Parameter                | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| PCB-1016 (Aroclor 1016)  | ug/kg | <15.2        | 50.0            | 11/15/22 04:31 |            |
| PCB-1221 (Aroclor 1221)  | ug/kg | <15.2        | 50.0            | 11/15/22 04:31 |            |
| PCB-1232 (Aroclor 1232)  | ug/kg | <15.2        | 50.0            | 11/15/22 04:31 |            |
| PCB-1242 (Aroclor 1242)  | ug/kg | <15.2        | 50.0            | 11/15/22 04:31 |            |
| PCB-1248 (Aroclor 1248)  | ug/kg | <15.2        | 50.0            | 11/15/22 04:31 |            |
| PCB-1254 (Aroclor 1254)  | ug/kg | <15.2        | 50.0            | 11/15/22 04:31 |            |
| PCB-1260 (Aroclor 1260)  | ug/kg | <15.2        | 50.0            | 11/15/22 04:31 |            |
| Decachlorobiphenyl (S)   | %     | 84           | 38-95           | 11/15/22 04:31 |            |
| Tetrachloro-m-xylene (S) | %     | 85           | 50-99           | 11/15/22 04:31 |            |

LABORATORY CONTROL SAMPLE: 2483216

| Parameter                | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|--------------|------------|
| PCB-1016 (Aroclor 1016)  | ug/kg |             | <15.2      |           |              |            |
| PCB-1221 (Aroclor 1221)  | ug/kg |             | <15.2      |           |              |            |
| PCB-1232 (Aroclor 1232)  | ug/kg |             | <15.2      |           |              |            |
| PCB-1242 (Aroclor 1242)  | ug/kg |             | <15.2      |           |              |            |
| PCB-1248 (Aroclor 1248)  | ug/kg |             | <15.2      |           |              |            |
| PCB-1254 (Aroclor 1254)  | ug/kg |             | <15.2      |           |              |            |
| PCB-1260 (Aroclor 1260)  | ug/kg | 500         | 414        | 83        | 71-104       |            |
| Decachlorobiphenyl (S)   | %     |             |            | 83        | 38-95        |            |
| Tetrachloro-m-xylene (S) | %     |             |            | 84        | 50-99        |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2483217 2483218

| Parameter               | Units | MS           |             | MSD         |        | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-------------------------|-------|--------------|-------------|-------------|--------|----------|-----------|--------------|-----|---------|------|
|                         |       | 40254488001  | Spike Conc. | Spike Conc. | Result |          |           |              |     |         |      |
| PCB-1016 (Aroclor 1016) | ug/kg | <0.018 mg/kg |             |             | <18.2  | <18.2    |           |              |     |         | 20   |
| PCB-1221 (Aroclor 1221) | ug/kg | <0.018 mg/kg |             |             | <18.2  | <18.2    |           |              |     |         | 20   |
| PCB-1232 (Aroclor 1232) | ug/kg | <0.018 mg/kg |             |             | <18.2  | <18.2    |           |              |     |         | 20   |
| PCB-1242 (Aroclor 1242) | ug/kg | <0.018 mg/kg |             |             | <18.2  | <18.2    |           |              |     |         | 20   |
| PCB-1248 (Aroclor 1248) | ug/kg | <0.018 mg/kg |             |             | <18.2  | <18.2    |           |              |     |         | 20   |
| PCB-1254 (Aroclor 1254) | ug/kg | <0.018 mg/kg |             |             | <18.2  | <18.2    |           |              |     |         | 20   |

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### QUALITY CONTROL DATA

Project: 58217147 FMR LOEBS LORMAN

Pace Project No.: 40254495

| Parameter                | Units | 40254488001     |                | 2483217         |           | 2483218    |          | % Rec | % Rec  | % Rec | Limits | RPD | Max RPD | Qual |
|--------------------------|-------|-----------------|----------------|-----------------|-----------|------------|----------|-------|--------|-------|--------|-----|---------|------|
|                          |       | Result          | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec |       |        |       |        |     |         |      |
| PCB-1260 (Aroclor 1260)  | ug/kg | 0.025J<br>mg/kg | 600            | 597             | 456       | 450        | 72       | 71    | 42-109 | 1     | 20     |     |         |      |
| Decachlorobiphenyl (S)   | %     |                 |                |                 |           |            | 72       | 75    | 38-95  |       |        |     |         |      |
| Tetrachloro-m-xylene (S) | %     |                 |                |                 |           |            | 77       | 78    | 50-99  |       |        |     |         |      |

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### QUALITY CONTROL DATA

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

QC Batch: 431222 Analysis Method: EPA 8270E by SIM  
QC Batch Method: EPA 3546 Analysis Description: 8270E/3546 MSSV PAH by SIM  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40254495001

METHOD BLANK: 2483131 Matrix: Solid  
Associated Lab Samples: 40254495001

| Parameter              | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|------------------------|-------|--------------|-----------------|----------------|------------|
| 1-Methylnaphthalene    | ug/kg | <2.4         | 16.7            | 11/11/22 10:44 |            |
| 2-Methylnaphthalene    | ug/kg | <2.4         | 16.7            | 11/11/22 10:44 |            |
| Acenaphthene           | ug/kg | <2.2         | 16.7            | 11/11/22 10:44 |            |
| Acenaphthylene         | ug/kg | <2.1         | 16.7            | 11/11/22 10:44 |            |
| Anthracene             | ug/kg | <2.1         | 16.7            | 11/11/22 10:44 |            |
| Benzo(a)anthracene     | ug/kg | <2.2         | 16.7            | 11/11/22 10:44 |            |
| Benzo(a)pyrene         | ug/kg | <1.9         | 16.7            | 11/11/22 10:44 |            |
| Benzo(b)fluoranthene   | ug/kg | <2.3         | 16.7            | 11/11/22 10:44 |            |
| Benzo(g,h,i)perylene   | ug/kg | <2.9         | 16.7            | 11/11/22 10:44 |            |
| Benzo(k)fluoranthene   | ug/kg | <2.1         | 16.7            | 11/11/22 10:44 |            |
| Chrysene               | ug/kg | <3.2         | 16.7            | 11/11/22 10:44 |            |
| Dibenz(a,h)anthracene  | ug/kg | <2.3         | 16.7            | 11/11/22 10:44 |            |
| Fluoranthene           | ug/kg | <2.0         | 16.7            | 11/11/22 10:44 |            |
| Fluorene               | ug/kg | <2.0         | 16.7            | 11/11/22 10:44 |            |
| Indeno(1,2,3-cd)pyrene | ug/kg | <3.5         | 16.7            | 11/11/22 10:44 |            |
| Naphthalene            | ug/kg | <1.6         | 16.7            | 11/11/22 10:44 |            |
| Phenanthrene           | ug/kg | <1.9         | 16.7            | 11/11/22 10:44 |            |
| Pyrene                 | ug/kg | <2.5         | 16.7            | 11/11/22 10:44 |            |
| 2-Fluorobiphenyl (S)   | %     | 94           | 41-98           | 11/11/22 10:44 |            |
| Terphenyl-d14 (S)      | %     | 101          | 37-106          | 11/11/22 10:44 |            |

LABORATORY CONTROL SAMPLE: 2483132

| Parameter              | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1-Methylnaphthalene    | ug/kg | 333         | 257        | 77        | 64-110       |            |
| 2-Methylnaphthalene    | ug/kg | 333         | 263        | 79        | 60-110       |            |
| Acenaphthene           | ug/kg | 333         | 269        | 81        | 69-120       |            |
| Acenaphthylene         | ug/kg | 333         | 285        | 86        | 63-120       |            |
| Anthracene             | ug/kg | 333         | 274        | 82        | 71-112       |            |
| Benzo(a)anthracene     | ug/kg | 333         | 283        | 85        | 62-120       |            |
| Benzo(a)pyrene         | ug/kg | 333         | 280        | 84        | 71-111       |            |
| Benzo(b)fluoranthene   | ug/kg | 333         | 274        | 82        | 59-112       |            |
| Benzo(g,h,i)perylene   | ug/kg | 333         | 300        | 90        | 64-115       |            |
| Benzo(k)fluoranthene   | ug/kg | 333         | 259        | 78        | 72-117       |            |
| Chrysene               | ug/kg | 333         | 303        | 91        | 75-120       |            |
| Dibenz(a,h)anthracene  | ug/kg | 333         | 303        | 91        | 67-114       |            |
| Fluoranthene           | ug/kg | 333         | 315        | 94        | 70-110       |            |
| Fluorene               | ug/kg | 333         | 301        | 90        | 64-104       |            |
| Indeno(1,2,3-cd)pyrene | ug/kg | 333         | 286        | 86        | 71-114       |            |

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### QUALITY CONTROL DATA

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

LABORATORY CONTROL SAMPLE: 2483132

| Parameter            | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------|-------|-------------|------------|-----------|--------------|------------|
| Naphthalene          | ug/kg | 333         | 272        | 82        | 62-120       |            |
| Phenanthrene         | ug/kg | 333         | 260        | 78        | 59-106       |            |
| Pyrene               | ug/kg | 333         | 259        | 78        | 69-120       |            |
| 2-Fluorobiphenyl (S) | %     |             |            | 93        | 41-98        |            |
| Terphenyl-d14 (S)    | %     |             |            | 92        | 37-106       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2483133 2483134

| Parameter              | Units | MS                 |             | MSD         |           | MS % Rec | MSD % Rec | % Rec Limits | RPD    | Max RPD | Qual |
|------------------------|-------|--------------------|-------------|-------------|-----------|----------|-----------|--------------|--------|---------|------|
|                        |       | 40254178001 Result | Spike Conc. | Spike Conc. | MS Result |          |           |              |        |         |      |
| 1-Methylnaphthalene    | ug/kg | <2.6               | 350         | 350         | 215       | 258      | 62        | 74           | 51-110 | 18      | 34   |
| 2-Methylnaphthalene    | ug/kg | <2.6               | 350         | 350         | 228       | 267      | 65        | 76           | 45-110 | 16      | 29   |
| Acenaphthene           | ug/kg | <2.3               | 350         | 350         | 244       | 297      | 70        | 85           | 52-120 | 20      | 26   |
| Acenaphthylene         | ug/kg | <2.2               | 350         | 350         | 255       | 301      | 73        | 86           | 46-120 | 17      | 22   |
| Anthracene             | ug/kg | <2.2               | 350         | 350         | 245       | 294      | 70        | 84           | 50-112 | 18      | 25   |
| Benzo(a)anthracene     | ug/kg | <2.3               | 350         | 350         | 259       | 307      | 74        | 88           | 41-120 | 17      | 37   |
| Benzo(a)pyrene         | ug/kg | <2.0               | 350         | 350         | 256       | 306      | 73        | 87           | 44-114 | 18      | 33   |
| Benzo(b)fluoranthene   | ug/kg | <2.4               | 350         | 350         | 232       | 278      | 66        | 79           | 41-112 | 18      | 43   |
| Benzo(g,h,i)perylene   | ug/kg | <3.1               | 350         | 350         | 256       | 305      | 73        | 87           | 40-115 | 18      | 36   |
| Benzo(k)fluoranthene   | ug/kg | <2.2               | 350         | 350         | 250       | 333      | 71        | 95           | 56-117 | 29      | 30   |
| Chrysene               | ug/kg | <3.3               | 350         | 350         | 257       | 305      | 73        | 87           | 45-120 | 17      | 28   |
| Dibenz(a,h)anthracene  | ug/kg | <2.4               | 350         | 350         | 259       | 317      | 74        | 91           | 44-114 | 20      | 33   |
| Fluoranthene           | ug/kg | <2.1               | 350         | 350         | 295       | 348      | 84        | 99           | 55-110 | 17      | 43   |
| Fluorene               | ug/kg | <2.1               | 350         | 350         | 267       | 312      | 76        | 89           | 47-104 | 15      | 27   |
| Indeno(1,2,3-cd)pyrene | ug/kg | <3.6               | 350         | 350         | 259       | 315      | 74        | 90           | 45-114 | 19      | 33   |
| Naphthalene            | ug/kg | <1.7               | 350         | 350         | 252       | 296      | 72        | 85           | 47-120 | 16      | 26   |
| Phenanthrene           | ug/kg | <2.0               | 350         | 350         | 237       | 281      | 68        | 80           | 38-106 | 17      | 24   |
| Pyrene                 | ug/kg | <2.6               | 350         | 350         | 227       | 271      | 65        | 77           | 51-120 | 18      | 41   |
| 2-Fluorobiphenyl (S)   | %     |                    |             |             |           |          | 80        | 90           | 41-98  |         |      |
| Terphenyl-d14 (S)      | %     |                    |             |             |           |          | 77        | 92           | 37-106 |         |      |

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### QUALITY CONTROL DATA

Project: 58217147 FMR LOEBS LORMAN  
Pace Project No.: 40254495

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|                                |   |
|--------------------------------|---|
| QC Batch: 431182               | 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: 40254495001

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SAMPLE DUPLICATE: 2482978

| Parameter        | Units | 40254522010<br>Result | Dup<br>Result | RPD | Max<br>RPD | Qualifiers |
|------------------|-------|-----------------------|---------------|-----|------------|------------|
| Percent Moisture | %     | 25.4                  | 23.7          | 7   | 10         |            |

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## QUALIFIERS

Project: 58217147 FMR LOEBS LORMAN

Pace Project No.: 40254495

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### 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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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.

### ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58217147 FMR LOEBS LORMAN

Pace Project No.: 40254495

| Lab ID      | Sample ID   | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-------------|-----------------|----------|-------------------|------------------|
| 40254495001 | OAK PROFILE | EPA 3541        | 431241   | EPA 8082A         | 431274           |
| 40254495001 | OAK PROFILE | EPA 3050B       | 431335   | EPA 6010D         | 431416           |
| 40254495001 | OAK PROFILE | EPA 3015A       | 431529   | EPA 6010D         | 431572           |
| 40254495001 | OAK PROFILE | EPA 7471        | 431480   | EPA 7471          | 431555           |
| 40254495001 | OAK PROFILE | EPA 3546        | 431222   | EPA 8270E by SIM  | 431255           |
| 40254495001 | OAK PROFILE | EPA 5035/5030B  | 431231   | EPA 8260          | 431238           |
| 40254495001 | OAK PROFILE | ASTM D2974-87   | 431182   |                   |                  |

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**Sample Condition Upon Receipt Form (SCUR)**

Project #: \_\_\_\_\_

Client Name: Terracyn

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_

**WO#: 40254495**



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 - 120 Type of Ice:  Wet  Blue Dry None  Meltwater Only

Cooler Temperature Uncorr: \_\_\_\_\_ / Corr: 1

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: 11/10/22 Initials: mtt  
 Labeled By Initials: YJN

|  |                               |
|--|-------------------------------|
| Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A   | 1.                            |
| Chain of Custody Filled Out: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A  | 2. <u>phone# mtt 11/10/22</u> |
| 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<br>- DI VOA Samples frozen upon receipt <input type="checkbox"/> Yes <input type="checkbox"/> No           | 5. Date/Time: _____           |
| 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:<br>For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 8.                            |
| Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Correct Type: <u>Pace Green Bay, Pace IR, Non-Pace</u>   | 9.                            |
| 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<br>-Includes date/time/ID/Analysis Matrix: <u>J</u>                                    | 12.                           |
| 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: \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir  
 Page 2 of 2

January 13, 2023

Lucas Chabela  
Terracon, Inc. - Franklin  
4900 S Pennsylvania Ave Ste100  
Cudahy, WI 53110

RE: Project: 58217147 FORT ATKINSON  
Pace Project No.: 40256877

Dear Lucas Chabela:

Enclosed are the analytical results for sample(s) received by the laboratory on January 11, 2023. 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

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 58217147 FORT ATKINSON

Pace Project No.: 40256877

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### **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

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 58217147 FORT ATKINSON  
Pace Project No.: 40256877

| Lab ID      | Sample ID  | Matrix | Date Collected | Date Received  |
|-------------|------------|--------|----------------|----------------|
| 40256877001 | OT1-1      | Solid  | 01/10/23 12:05 | 01/11/23 08:10 |
| 40256877002 | OT2-1      | Solid  | 01/10/23 12:10 | 01/11/23 08:10 |
| 40256877003 | NOT NEEDED | Solid  | 01/10/23 12:10 | 01/11/23 08:10 |

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 58217147 FORT ATKINSON  
Pace Project No.: 40256877

| Lab ID      | Sample ID | Method        | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|---------------|----------|-------------------|------------|
| 40256877001 | OT1-1     | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | NMK      | 1                 | PASI-G     |
| 40256877002 | OT2-1     | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | NMK      | 1                 | PASI-G     |

PASI-G = Pace Analytical Services - Green Bay

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### SUMMARY OF DETECTION

Project: 58217147 FORT ATKINSON

Pace Project No.: 40256877

| Lab Sample ID<br>Method | Client Sample ID<br>Parameters | Result | Units | Report Limit | Analyzed       | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| <b>40256877001</b>      | <b>OT1-1</b>                   |        |       |              |                |            |
| EPA 6010D               | Lead                           | 496    | mg/kg | 48.3         | 01/13/23 12:53 | P6,R1      |
| EPA 6010D               | Lead                           | 0.19   | mg/L  | 0.020        | 01/12/23 16:31 |            |
| ASTM D2974-87           | Percent Moisture               | 17.1   | %     | 0.10         | 01/11/23 15:21 |            |
| <b>40256877002</b>      | <b>OT2-1</b>                   |        |       |              |                |            |
| EPA 6010D               | Lead                           | 8430   | mg/kg | 11.6         | 01/13/23 13:01 |            |
| EPA 6010D               | Lead                           | 1.8    | mg/L  | 0.020        | 01/12/23 16:37 |            |
| ASTM D2974-87           | Percent Moisture               | 14.0   | %     | 0.10         | 01/11/23 15:21 |            |

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 58217147 FORT ATKINSON  
Pace Project No.: 40256877

---

**Method:** EPA 6010D  
**Description:** 6010D MET ICP  
**Client:** Terracon, Inc. - Franklin  
**Date:** January 13, 2023

### General Information:

2 samples were analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 435549

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40256877001

R1: RPD value was outside control limits.

- MS (Lab ID: 2505531)
  - Lead
- MSD (Lab ID: 2505532)
  - Lead

### Additional Comments:

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 58217147 FORT ATKINSON

Pace Project No.: 40256877

---

**Method:** EPA 6010D

**Description:** 6010D MET ICP, TCLP

**Client:** Terracon, Inc. - Franklin

**Date:** January 13, 2023

**General Information:**

2 samples were analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3015A with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 58217147 FORT ATKINSON  
Pace Project No.: 40256877

**Sample:** OT1-1      **Lab ID:** 40256877001      Collected: 01/10/23 12:05      Received: 01/11/23 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters  | Results     | Units | LOQ   | LOD    | DF | Prepared       | Analyzed       | CAS No.   | Qual  |
|---|-------------|-------|-------|--------|----|----------------|----------------|-----------|-------|
| <b>6010D MET ICP</b>  |             |       |       |        |    |                |                |           |       |
| Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay   |             |       |       |        |    |                |                |           |       |
| Lead  | <b>496</b>  | mg/kg | 48.3  | 14.5   | 20 | 01/12/23 06:49 | 01/13/23 12:53 | 7439-92-1 | P6,R1 |
| <b>6010D MET ICP, TCLP</b>  |             |       |       |        |    |                |                |           |       |
| Analytical Method: EPA 6010D    Preparation Method: EPA 3015A<br>Leachate Method/Date: EPA 1311; 01/11/23 13:57<br>Pace Analytical Services - Green Bay |             |       |       |        |    |                |                |           |       |
| Lead  | <b>0.19</b> | mg/L  | 0.020 | 0.0059 | 1  | 01/12/23 11:11 | 01/12/23 16:31 | 7439-92-1 |       |
| <b>Percent Moisture</b>   |             |       |       |        |    |                |                |           |       |
| Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay  |             |       |       |        |    |                |                |           |       |
| Percent Moisture  | <b>17.1</b> | %     | 0.10  | 0.10   | 1  |                | 01/11/23 15:21 |           |       |

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 58217147 FORT ATKINSON  
Pace Project No.: 40256877

**Sample: OT2-1**      **Lab ID: 40256877002**      Collected: 01/10/23 12:10      Received: 01/11/23 08:10      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters  | Results     | Units | LOQ   | LOD    | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|---|-------------|-------|-------|--------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>  |             |       |       |        |    |                |                |           |      |
| Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay   |             |       |       |        |    |                |                |           |      |
| Lead  | <b>8430</b> | mg/kg | 11.6  | 3.5    | 5  | 01/12/23 06:49 | 01/13/23 13:01 | 7439-92-1 |      |
| <b>6010D MET ICP, TCLP</b>  |             |       |       |        |    |                |                |           |      |
| Analytical Method: EPA 6010D    Preparation Method: EPA 3015A<br>Leachate Method/Date: EPA 1311; 01/11/23 13:57<br>Pace Analytical Services - Green Bay |             |       |       |        |    |                |                |           |      |
| Lead  | <b>1.8</b>  | mg/L  | 0.020 | 0.0059 | 1  | 01/12/23 11:11 | 01/12/23 16:37 | 7439-92-1 |      |
| <b>Percent Moisture</b>   |             |       |       |        |    |                |                |           |      |
| Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay  |             |       |       |        |    |                |                |           |      |
| Percent Moisture  | <b>14.0</b> | %     | 0.10  | 0.10   | 1  |                | 01/11/23 15:21 |           |      |

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: 58217147 FORT ATKINSON

Pace Project No.: 40256877

QC Batch: 435549

Analysis Method: EPA 6010D

QC Batch Method: EPA 3050B

Analysis Description: 6010D MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40256877001, 40256877002

METHOD BLANK: 2505529

Matrix: Solid

Associated Lab Samples: 40256877001, 40256877002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/kg | <0.60        | 2.0             | 01/13/23 12:49 |            |

LABORATORY CONTROL SAMPLE: 2505530

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Lead      | mg/kg | 25          | 26.2       | 105       | 80-120       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2505531 2505532

| Parameter | Units | 2505531            |                | 2505532         |           | MS % Rec | MSD % Rec | % Rec Limits | RPD    | Max RPD | Qual |            |
|-----------|-------|--------------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|------------|
|           |       | 40256877001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result |          |           |              |        |         |      | MSD Result |
| Lead      | mg/kg | 496                | 29.9           | 29.9            | 1280      | 632      | 2630      | 454          | 75-125 | 68      | 20   | P6,R1      |

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**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: 58217147 FORT ATKINSON  
Pace Project No.: 40256877

QC Batch: 435596 Analysis Method: EPA 6010D  
QC Batch Method: EPA 3015A Analysis Description: 6010D MET TCLP  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40256877001, 40256877002

METHOD BLANK: 2505745 Matrix: Water  
Associated Lab Samples: 40256877001, 40256877002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/L  | <0.0059      | 0.020           | 01/12/23 15:51 |            |

METHOD BLANK: 2504640 Matrix: Solid  
Associated Lab Samples: 40256877001, 40256877002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/L  | <0.0059      | 0.020           | 01/12/23 16:25 |            |

METHOD BLANK: 2505241 Matrix: Solid  
Associated Lab Samples: 40256877001, 40256877002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/L  | <0.0059      | 0.020           | 01/12/23 16:40 |            |

METHOD BLANK: 2505373 Matrix: Solid  
Associated Lab Samples: 40256877001, 40256877002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/L  | <0.0059      | 0.020           | 01/12/23 16:44 |            |

LABORATORY CONTROL SAMPLE: 2505746

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Lead      | mg/L  | 0.28        | 0.28       | 101       | 80-120       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2505747 2505748

| Parameter | Units | MS          |        | MSD         |        | MS % Rec | MSD % Rec | % Rec Limits | RPD    | Max RPD | Qual |
|-----------|-------|-------------|--------|-------------|--------|----------|-----------|--------------|--------|---------|------|
|           |       | Spike Conc. | Result | Spike Conc. | Result |          |           |              |        |         |      |
| Lead      | mg/L  | 0.061J      | 0.28   | 0.28        | 0.36   | 0.32     | 106       | 93           | 75-125 | 11      | 20   |

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### QUALITY CONTROL DATA

Project: 58217147 FORT ATKINSON

Pace Project No.: 40256877

| MATRIX SPIKE SAMPLE: 2505749 |       | 40256857001 | Spike | MS     | MS    | % Rec  |            |
|------------------------------|-------|-------------|-------|--------|-------|--------|------------|
| Parameter                    | Units | Result      | Conc. | Result | % Rec | Limits | Qualifiers |
| Lead                         | mg/L  | <0.020      | 0.28  | 0.29   | 102   | 75-125 |            |

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### QUALITY CONTROL DATA

Project: 58217147 FORT ATKINSON

Pace Project No.: 40256877

QC Batch: 435534

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: 40256877001, 40256877002

SAMPLE DUPLICATE: 2505418

| Parameter        | Units | 40256879001<br>Result | Dup<br>Result | RPD | Max<br>RPD | Qualifiers |
|------------------|-------|-----------------------|---------------|-----|------------|------------|
| Percent Moisture | %     | 5.7                   | 5.7           | 0   | 10         |            |

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## QUALIFIERS

Project: 58217147 FORT ATKINSON

Pace Project No.: 40256877

---

### 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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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.

### ANALYTE QUALIFIERS

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

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58217147 FORT ATKINSON

Pace Project No.: 40256877

| Lab ID      | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|----------|-------------------|------------------|
| 40256877001 | OT1-1     | EPA 3050B       | 435549   | EPA 6010D         | 435616           |
| 40256877002 | OT2-1     | EPA 3050B       | 435549   | EPA 6010D         | 435616           |
| 40256877001 | OT1-1     | EPA 3015A       | 435596   | EPA 6010D         | 435621           |
| 40256877002 | OT2-1     | EPA 3015A       | 435596   | EPA 6010D         | 435621           |
| 40256877001 | OT1-1     | ASTM D2974-87   | 435534   |                   |                  |
| 40256877002 | OT2-1     | ASTM D2974-87   | 435534   |                   |                  |

### REPORT OF LABORATORY ANALYSIS

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# CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40256877

**ALL SHADED AREAS are for LAB USE ONLY**

Company: Terracon Billing Information: Terracon

Address: 9856 S. 57th St. Franklin, WI

Report To: Lucas Chabela Email To: Lucas Chabela

Copy To: Site Collection Info/Address: 600 ORISKANY ST - Fort Atkinson

Container Preservative Type \*\*

Lab Project Manager:

\*\* Preservative Types (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Customer Project Name/Number: 58217147 State: WI County/City: \_\_\_\_\_ Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET

Phone: \_\_\_\_\_ Site/Facility ID #: \_\_\_\_\_ Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): Lucas Chabela Purchase Order #: \_\_\_\_\_ DW PWS ID #: \_\_\_\_\_

Collected By (signature): \_\_\_\_\_ Quote #: \_\_\_\_\_ DW Location Code: \_\_\_\_\_

Sample Disposal: \_\_\_\_\_ Turnaround Date Required: \_\_\_\_\_ Immediately Packed on Ice: [ ] Yes [ ] No

[ ] Dispose as appropriate [ ] Return [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

[ ] Archive: \_\_\_\_\_ Field Filtered (if applicable): [ ] Yes [ ] No

[ ] Hold \_\_\_\_\_ Analysis: \_\_\_\_\_

| Analyses                 |        | Lab Profile/Line:             |        |
|--------------------------|--------|-------------------------------|--------|
| TOTAL Lead / TCEP Lead   |        | Lab Sample Receipt Checklist: |        |
|                          |        | Custody Seals Present/Intact  | Y N NA |
|                          |        | Custody Signatures Present    | Y N NA |
|                          |        | Collector Signature Present   | Y N NA |
|                          |        | Bottles Intact                | Y N NA |
|                          |        | Correct Bottles               | Y N NA |
|                          |        | Sufficient Volume             | Y N NA |
|                          |        | Samples Received on Ice       | Y N NA |
|                          |        | VOA - Headspace Acceptable    | Y N NA |
|                          |        | USDA Regulated Soils          | Y N NA |
|                          |        | Samples in Holding Time       | Y N NA |
|                          |        | Residual Chlorine Present     | Y N NA |
|                          |        | Cl Strips:                    |        |
|                          |        | Sample pH Acceptable          | Y N NA |
|                          |        | pH Strips:                    |        |
| Sulfide Present          | Y N NA |                               |        |
| Lead Acetate Strips:     |        |                               |        |
| LAB USE ONLY:            |        |                               |        |
| Lab Sample # / Comments: |        |                               |        |

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) |             | Composite End |      | Res Cl   | # of Ctns |
|--------------------|----------|-------------|--------------------------------|-------------|---------------|------|----------|-----------|
|                    |          |             | Date                           | Time        | Date          | Time |          |           |
| <u>(OTZ-1)</u>     | <u>S</u> | <u>Comp</u> | <u>1/10/23</u>                 | <u>1205</u> |               |      | <u>1</u> | <u>1</u>  |
| <u>OTZ-1</u>       | <u>S</u> | <u>Comp</u> | <u>1/10/23</u>                 | <u>1210</u> |               |      | <u>1</u> | <u>1</u>  |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |
|                    |          |             |                                |             |               |      |          |           |

Customer Remarks / Special Conditions / Possible Hazards: \_\_\_\_\_

Type of Ice Used:  Wet  Blue  Dry  None

Packing Material Used: \_\_\_\_\_

Radchem sample(s) screened (<500 cpm):  Y  N  NA

SHORT HOLDS PRESENT (<72 hours):  Y  N  N/A

Lab Tracking #: 2782789

Samples received via:  FEDEX  UPS  Client  Courier  Pace Courier

Lab Sample Temperature Info:

Temp Blank Received:  Y  N  NA

Therm ID#: \_\_\_\_\_

Cooler 1 Temp Upon Receipt: \_\_\_\_\_ oC

Cooler 1 Therm Corr. Factor: \_\_\_\_\_ oC

Cooler 1 Corrected Temp: \_\_\_\_\_ oC

Comments:

Relinquished by/Company: (Signature) [Signature] Terracon Date/Time: 1/10/23 1400

Relinquished by/Company: (Signature) [Signature] Rogustus Date/Time: 1/11/23 0810

Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by/Company: (Signature) [Signature] Date/Time: 1/11/23 0810

Received by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

MTJL LAB USE ONLY

Table #: \_\_\_\_\_

Acctnum: \_\_\_\_\_

Template: \_\_\_\_\_

Prelogin: \_\_\_\_\_

PM: \_\_\_\_\_

PB: \_\_\_\_\_

Trip Blank Received:  Y  N  NA

HCL MeOH TSP Other

Non Conformance(s): \_\_\_\_\_ Page 16 of 18

YES / NO of: \_\_\_\_\_



Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Terracon

WO#: 40256877

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_



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 - 117 Type of Ice:  Wet  Blue  Dry  None  Meltwater Only

Cooler Temperature Uncorr: 1.5 / Corr: 2

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: 1-11-23 / Initials: SKU  
 Labeled By Initials: KOB

|  |  |                |  |
|--|--|----------------|--|
| Chain of Custody Present:  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. <u>YCL</u>  | <u>1-11-23</u>                         |
| Chain of Custody Filled Out:   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 2. <u>Pg #</u> | <u>1-11-23</u>                         |
| Chain of Custody Relinquished:   | <input 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.             |  |
| - DI VOA Samples frozen upon receipt   | <input type="checkbox"/> Yes <input type="checkbox"/> No   | Date/Time      |  |
| Short Hold Time Analysis (<72hr):  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 6.             |  |
| Rush Turn Around Time Requested:   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 7.             |  |
| Sufficient Volume:   |  | 8.             | <u>001 approx 166g</u>                 |
| 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 |  |                | <u>002 approx 139g - (230g needed)</u> |
| Correct Containers Used:   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 9.             | <u>for requested analysis 1-11-23</u>  |
| Correct Type: <u>Pace Green Bay</u> Pace IR, Non-Pace  |  |                | <u>8U</u>                              |
| 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: \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir



February 02, 2023

Lucas Chabela  
Terracon, Inc. - Milwaukee  
4900 S Pennsylvania Ave Ste100  
Cudahy, WI 53110

RE: Project: 58217147 LORMAN ST FT ATKINSON  
Pace Project No.: 40257481

Dear Lucas Chabela:

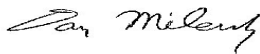
Enclosed are the analytical results for sample(s) received by the laboratory on January 25, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

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### **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

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 58217147 LORMAN ST FT ATKINSON  
Pace Project No.: 40257481

| Lab ID      | Sample ID | Matrix | Date Collected | Date Received  |
|-------------|-----------|--------|----------------|----------------|
| 40257481001 | 01SW-1    | Solid  | 01/23/23 09:37 | 01/25/23 08:00 |
| 40257481002 | 01SW-2    | Solid  | 01/23/23 09:40 | 01/25/23 08:00 |
| 40257481003 | 01SW-3    | Solid  | 01/23/23 09:42 | 01/25/23 08:00 |
| 40257481004 | 01SW-4    | Solid  | 01/23/23 09:44 | 01/25/23 08:00 |
| 40257481005 | 01SW-5    | Solid  | 01/23/23 09:46 | 01/25/23 08:00 |
| 40257481006 | 01SW-6    | Solid  | 01/23/23 09:48 | 01/25/23 08:00 |
| 40257481007 | 01SW-8    | Solid  | 01/23/23 09:51 | 01/25/23 08:00 |
| 40257481008 | 01SW-9    | Solid  | 01/23/23 09:53 | 01/25/23 08:00 |
| 40257481009 | 01SW-10   | Solid  | 01/23/23 09:55 | 01/25/23 08:00 |
| 40257481010 | 01B-1     | Solid  | 01/23/23 10:00 | 01/25/23 08:00 |
| 40257481011 | 01B-2     | Solid  | 01/23/23 10:03 | 01/25/23 08:00 |
| 40257481012 | 01B-3     | Solid  | 01/23/23 10:07 | 01/25/23 08:00 |
| 40257481013 | 01B-4     | Solid  | 01/23/23 10:05 | 01/25/23 08:00 |
| 40257481014 | 01B-5     | Solid  | 01/23/23 10:02 | 01/25/23 08:00 |
| 40257481015 | 02SW-1    | Solid  | 01/23/23 10:10 | 01/25/23 08:00 |
| 40257481016 | 02SW-2    | Solid  | 01/23/23 10:12 | 01/25/23 08:00 |
| 40257481017 | 02SW-3    | Solid  | 01/23/23 10:14 | 01/25/23 08:00 |
| 40257481018 | 02SW-4    | Solid  | 01/23/23 10:16 | 01/25/23 08:00 |
| 40257481019 | 02B-1     | Solid  | 01/23/23 10:18 | 01/25/23 08:00 |
| 40257481020 | 01SW-7    | Solid  | 01/23/23 09:49 | 01/25/23 08:00 |

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 58217147 LORMAN ST FT ATKINSON  
Pace Project No.: 40257481

| Lab ID      | Sample ID | Method        | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|---------------|----------|-------------------|------------|
| 40257481001 | 01SW-1    | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481002 | 01SW-2    | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481003 | 01SW-3    | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481004 | 01SW-4    | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481005 | 01SW-5    | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481006 | 01SW-6    | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481007 | 01SW-8    | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481008 | 01SW-9    | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481009 | 01SW-10   | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481010 | 01B-1     | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481011 | 01B-2     | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481012 | 01B-3     | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481013 | 01B-4     | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481014 | 01B-5     | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481015 | 02SW-1    | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481016 | 02SW-2    | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481017 | 02SW-3    | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481018 | 02SW-4    | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
| 40257481019 | 02B-1     | EPA 6010D     | SIS      | 1                 | PASI-G     |

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 58217147 LORMAN ST FT ATKINSON  
Pace Project No.: 40257481

| Lab ID      | Sample ID | Method        | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|---------------|----------|-------------------|------------|
| 40257481020 | 01SW-7    | ASTM D2974-87 | MYH      | 1                 | PASI-G     |
|             |           | EPA 6010D     | SIS      | 1                 | PASI-G     |
|             |           | ASTM D2974-87 | MYH      | 1                 | PASI-G     |

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 58217147 LORMAN ST FT ATKINSON  
 Pace Project No.: 40257481

| Lab Sample ID<br>Method | Client Sample ID<br>Parameters | Result | Units | Report Limit | Analyzed       | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| <b>40257481001</b>      | <b>01SW-1</b>                  |        |       |              |                |            |
| EPA 6010D               | Lead                           | 8.1    | mg/kg | 2.4          | 01/26/23 17:31 |            |
| ASTM D2974-87           | Percent Moisture               | 16.4   | %     | 0.10         | 01/26/23 14:30 |            |
| <b>40257481002</b>      | <b>01SW-2</b>                  |        |       |              |                |            |
| EPA 6010D               | Lead                           | 18.2   | mg/kg | 2.5          | 01/26/23 17:39 |            |
| ASTM D2974-87           | Percent Moisture               | 23.5   | %     | 0.10         | 01/26/23 14:30 |            |
| <b>40257481003</b>      | <b>01SW-3</b>                  |        |       |              |                |            |
| EPA 6010D               | Lead                           | 1470   | mg/kg | 5.0          | 01/27/23 14:09 |            |
| ASTM D2974-87           | Percent Moisture               | 24.1   | %     | 0.10         | 01/26/23 14:30 |            |
| <b>40257481004</b>      | <b>01SW-4</b>                  |        |       |              |                |            |
| EPA 6010D               | Lead                           | 262    | mg/kg | 2.5          | 01/26/23 17:45 |            |
| ASTM D2974-87           | Percent Moisture               | 25.4   | %     | 0.10         | 01/26/23 14:30 |            |
| <b>40257481005</b>      | <b>01SW-5</b>                  |        |       |              |                |            |
| EPA 6010D               | Lead                           | 146    | mg/kg | 2.4          | 01/26/23 17:50 |            |
| ASTM D2974-87           | Percent Moisture               | 16.3   | %     | 0.10         | 01/26/23 14:30 |            |
| <b>40257481006</b>      | <b>01SW-6</b>                  |        |       |              |                |            |
| EPA 6010D               | Lead                           | 3340   | mg/kg | 12.8         | 01/27/23 14:11 |            |
| ASTM D2974-87           | Percent Moisture               | 25.3   | %     | 0.10         | 01/26/23 14:30 |            |
| <b>40257481007</b>      | <b>01SW-8</b>                  |        |       |              |                |            |
| EPA 6010D               | Lead                           | 2.2    | mg/kg | 2.1          | 01/26/23 17:54 |            |
| ASTM D2974-87           | Percent Moisture               | 5.1    | %     | 0.10         | 01/26/23 14:44 |            |
| <b>40257481008</b>      | <b>01SW-9</b>                  |        |       |              |                |            |
| EPA 6010D               | Lead                           | 51.5   | mg/kg | 2.6          | 01/26/23 17:56 |            |
| ASTM D2974-87           | Percent Moisture               | 27.1   | %     | 0.10         | 01/26/23 14:44 |            |
| <b>40257481009</b>      | <b>01SW-10</b>                 |        |       |              |                |            |
| EPA 6010D               | Lead                           | 18.5   | mg/kg | 2.4          | 01/26/23 17:58 |            |
| ASTM D2974-87           | Percent Moisture               | 17.1   | %     | 0.10         | 01/26/23 14:44 |            |
| <b>40257481010</b>      | <b>01B-1</b>                   |        |       |              |                |            |
| EPA 6010D               | Lead                           | 26.6   | mg/kg | 2.3          | 01/26/23 18:00 |            |
| ASTM D2974-87           | Percent Moisture               | 18.1   | %     | 0.10         | 01/26/23 14:44 |            |
| <b>40257481011</b>      | <b>01B-2</b>                   |        |       |              |                |            |
| EPA 6010D               | Lead                           | 8.4    | mg/kg | 2.3          | 01/26/23 18:02 |            |
| ASTM D2974-87           | Percent Moisture               | 13.1   | %     | 0.10         | 01/26/23 14:44 |            |
| <b>40257481012</b>      | <b>01B-3</b>                   |        |       |              |                |            |
| EPA 6010D               | Lead                           | 26.8   | mg/kg | 2.7          | 01/26/23 18:04 |            |
| ASTM D2974-87           | Percent Moisture               | 27.8   | %     | 0.10         | 01/26/23 14:45 |            |
| <b>40257481013</b>      | <b>01B-4</b>                   |        |       |              |                |            |
| EPA 6010D               | Lead                           | 28.9   | mg/kg | 2.4          | 01/26/23 18:06 |            |
| ASTM D2974-87           | Percent Moisture               | 17.5   | %     | 0.10         | 01/26/23 14:45 |            |

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

| Lab Sample ID<br>Method | Client Sample ID<br>Parameters | Result | Units | Report Limit | Analyzed       | Qualifiers |
|-------------------------|--------------------------------|--------|-------|--------------|----------------|------------|
| <b>40257481014</b>      | <b>01B-5</b>                   |        |       |              |                |            |
| EPA 6010D               | Lead                           | 16.8   | mg/kg | 5.0          | 01/30/23 17:41 |            |
| ASTM D2974-87           | Percent Moisture               | 20.8   | %     | 0.10         | 01/26/23 14:45 |            |
| <b>40257481015</b>      | <b>02SW-1</b>                  |        |       |              |                |            |
| EPA 6010D               | Lead                           | 16400  | mg/kg | 604          | 02/01/23 15:55 | P6,R1      |
| ASTM D2974-87           | Percent Moisture               | 34.2   | %     | 0.10         | 01/26/23 14:45 |            |
| <b>40257481016</b>      | <b>02SW-2</b>                  |        |       |              |                |            |
| EPA 6010D               | Lead                           | 2070   | mg/kg | 3.0          | 01/26/23 18:15 |            |
| ASTM D2974-87           | Percent Moisture               | 36.1   | %     | 0.10         | 01/26/23 14:45 |            |
| <b>40257481017</b>      | <b>02SW-3</b>                  |        |       |              |                |            |
| EPA 6010D               | Lead                           | 23600  | mg/kg | 25.6         | 01/30/23 14:56 |            |
| ASTM D2974-87           | Percent Moisture               | 25.5   | %     | 0.10         | 01/26/23 14:45 |            |
| <b>40257481018</b>      | <b>02SW-4</b>                  |        |       |              |                |            |
| EPA 6010D               | Lead                           | 26700  | mg/kg | 23.7         | 01/27/23 14:13 |            |
| ASTM D2974-87           | Percent Moisture               | 20.0   | %     | 0.10         | 01/26/23 14:45 |            |
| <b>40257481019</b>      | <b>02B-1</b>                   |        |       |              |                |            |
| EPA 6010D               | Lead                           | 29.1   | mg/kg | 2.8          | 01/26/23 18:21 |            |
| ASTM D2974-87           | Percent Moisture               | 32.1   | %     | 0.10         | 01/26/23 14:45 |            |
| <b>40257481020</b>      | <b>01SW-7</b>                  |        |       |              |                |            |
| EPA 6010D               | Lead                           | 6.1    | mg/kg | 2.2          | 01/26/23 18:23 |            |
| ASTM D2974-87           | Percent Moisture               | 9.8    | %     | 0.10         | 01/26/23 14:45 |            |

### REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

---

**Method:** EPA 6010D

**Description:** 6010D MET ICP

**Client:** Terracon, Inc. - Franklin

**Date:** February 02, 2023

### General Information:

20 samples were analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Sample Preparation:

The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 436883

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40257481015

R1: RPD value was outside control limits.

- MS (Lab ID: 2511962)
  - Lead
- MSD (Lab ID: 2511963)
  - Lead

### Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

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**Sample: 01SW-1**      **Lab ID: 40257481001**      Collected: 01/23/23 09:37      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>8.1</b>  | mg/kg | 2.4  | 0.72 | 1  | 01/26/23 07:25 | 01/26/23 17:31 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>16.4</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:30 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

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**Sample:** 01SW-2      **Lab ID:** 40257481002      Collected: 01/23/23 09:40      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>18.2</b>   | mg/kg | 2.5  | 0.75 | 1  | 01/26/23 07:25 | 01/26/23 17:39 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>23.5</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:30 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

**Sample: 01SW-3**      **Lab ID: 40257481003**      Collected: 01/23/23 09:42      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>1470</b>   | mg/kg | 5.0  | 1.5  | 2  | 01/26/23 07:25 | 01/27/23 14:09 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>24.1</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:30 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

**Sample: 01SW-4**      **Lab ID: 40257481004**      Collected: 01/23/23 09:44      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>262</b>  | mg/kg | 2.5  | 0.75 | 1  | 01/26/23 07:25 | 01/26/23 17:45 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>25.4</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:30 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

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**Sample: 01SW-5**      **Lab ID: 40257481005**      Collected: 01/23/23 09:46      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>146</b>  | mg/kg | 2.4  | 0.71 | 1  | 01/26/23 07:25 | 01/26/23 17:50 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>16.3</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:30 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

**Sample: 01SW-6**      **Lab ID: 40257481006**      Collected: 01/23/23 09:48      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>3340</b>   | mg/kg | 12.8 | 3.8  | 5  | 01/26/23 07:25 | 01/27/23 14:11 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>25.3</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:30 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

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**Sample: 01SW-8**      **Lab ID: 40257481007**    Collected: 01/23/23 09:51    Received: 01/25/23 08:00    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>2.2</b>  | mg/kg | 2.1  | 0.62 | 1  | 01/26/23 07:25 | 01/26/23 17:54 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>5.1</b>  | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:44 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

**Sample: 01SW-9**      **Lab ID: 40257481008**      Collected: 01/23/23 09:53      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>51.5</b>   | mg/kg | 2.6  | 0.78 | 1  | 01/26/23 07:25 | 01/26/23 17:56 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>27.1</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:44 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

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**Sample: 01SW-10**      **Lab ID: 40257481009**    Collected: 01/23/23 09:55    Received: 01/25/23 08:00    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>18.5</b>   | mg/kg | 2.4  | 0.72 | 1  | 01/26/23 07:25 | 01/26/23 17:58 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>17.1</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:44 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

**Sample: 01B-1**      **Lab ID: 40257481010**      Collected: 01/23/23 10:00      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>26.6</b>   | mg/kg | 2.3  | 0.69 | 1  | 01/26/23 07:25 | 01/26/23 18:00 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>18.1</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:44 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

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**Sample: 01B-2**      **Lab ID: 40257481011**      Collected: 01/23/23 10:03      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>8.4</b>  | mg/kg | 2.3  | 0.67 | 1  | 01/26/23 07:25 | 01/26/23 18:02 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>13.1</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:44 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

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**Sample: 01B-3**      **Lab ID: 40257481012**      Collected: 01/23/23 10:07      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>26.8</b>   | mg/kg | 2.7  | 0.82 | 1  | 01/26/23 07:25 | 01/26/23 18:04 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>27.8</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:45 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON  
Pace Project No.: 40257481

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**Sample: 01B-4**      **Lab ID: 40257481013**      Collected: 01/23/23 10:05      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>28.9</b>   | mg/kg | 2.4  | 0.72 | 1  | 01/26/23 07:25 | 01/26/23 18:06 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>17.5</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:45 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

**Sample: 01B-5**      **Lab ID: 40257481014**      Collected: 01/23/23 10:02      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>16.8</b>   | mg/kg | 5.0  | 1.5  | 2  | 01/27/23 09:40 | 01/30/23 17:41 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>20.8</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:45 |           |      |

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### ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

**Sample: 02SW-1**      **Lab ID: 40257481015**      Collected: 01/23/23 10:10      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF  | Prepared       | Analyzed       | CAS No.   | Qual  |
|-------------------------|---|-------|------|------|-----|----------------|----------------|-----------|-------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |     |                |                |           |       |
| Lead                    | <b>16400</b>  | mg/kg | 604  | 181  | 200 | 02/01/23 05:50 | 02/01/23 15:55 | 7439-92-1 | P6,R1 |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |     |                |                |           |       |
| Percent Moisture        | <b>34.2</b>   | %     | 0.10 | 0.10 | 1   |                | 01/26/23 14:45 |           |       |

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## ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

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**Sample: 02SW-2**      **Lab ID: 40257481016**    Collected: 01/23/23 10:12    Received: 01/25/23 08:00    Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>2070</b>   | mg/kg | 3.0  | 0.90 | 1  | 01/26/23 07:25 | 01/26/23 18:15 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>36.1</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:45 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

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**Sample:** 02SW-3      **Lab ID:** 40257481017      Collected: 01/23/23 10:14      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>23600</b>  | mg/kg | 25.6 | 7.7  | 10 | 01/26/23 07:25 | 01/30/23 14:56 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>25.5</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:45 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

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**Sample:** 02SW-4      **Lab ID:** 40257481018      Collected: 01/23/23 10:16      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>26700</b>  | mg/kg | 23.7 | 7.1  | 10 | 01/26/23 07:25 | 01/27/23 14:13 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>20.0</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:45 |           |      |

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## ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

**Sample: 02B-1**      **Lab ID: 40257481019**      Collected: 01/23/23 10:18      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>29.1</b>   | mg/kg | 2.8  | 0.84 | 1  | 01/26/23 07:25 | 01/26/23 18:21 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>32.1</b>   | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:45 |           |      |

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

**Sample: 01SW-7**      **Lab ID: 40257481020**      Collected: 01/23/23 09:49      Received: 01/25/23 08:00      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

| Parameters              | Results   | Units | LOQ  | LOD  | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------|---|-------|------|------|----|----------------|----------------|-----------|------|
| <b>6010D MET ICP</b>    | Analytical Method: EPA 6010D    Preparation Method: EPA 3050B<br>Pace Analytical Services - Green Bay |       |      |      |    |                |                |           |      |
| Lead                    | <b>6.1</b>  | mg/kg | 2.2  | 0.66 | 1  | 01/26/23 07:25 | 01/26/23 18:23 | 7439-92-1 |      |
| <b>Percent Moisture</b> | Analytical Method: ASTM D2974-87<br>Pace Analytical Services - Green Bay                              |       |      |      |    |                |                |           |      |
| Percent Moisture        | <b>9.8</b>  | %     | 0.10 | 0.10 | 1  |                | 01/26/23 14:45 |           |      |

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 58217147 LORMAN ST FT ATKINSON  
Pace Project No.: 40257481

|                  |           |                       |                                      |
|------------------|-----------|-----------------------|--------------------------------------|
| QC Batch:        | 436529    | Analysis Method:      | EPA 6010D                            |
| QC Batch Method: | EPA 3050B | Analysis Description: | 6010D MET                            |
|                  |           | Laboratory:           | Pace Analytical Services - Green Bay |

Associated Lab Samples: 40257481001, 40257481002, 40257481003, 40257481004, 40257481005, 40257481006, 40257481007, 40257481008, 40257481009, 40257481010, 40257481011, 40257481012, 40257481013, 40257481016, 40257481017, 40257481018, 40257481019, 40257481020

METHOD BLANK: 2510543 Matrix: Solid  
Associated Lab Samples: 40257481001, 40257481002, 40257481003, 40257481004, 40257481005, 40257481006, 40257481007, 40257481008, 40257481009, 40257481010, 40257481011, 40257481012, 40257481013, 40257481016, 40257481017, 40257481018, 40257481019, 40257481020

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/kg | <0.60        | 2.0             | 01/26/23 17:27 |            |

LABORATORY CONTROL SAMPLE: 2510544

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Lead      | mg/kg | 25          | 25.9       | 104       | 80-120       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2510545 2510546

| Parameter | Units | 40257481001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Lead      | mg/kg | 8.1                | 29.9           | 29.8            | 38.4      | 37.9       | 101      | 100       | 75-125       | 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

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### QUALITY CONTROL DATA

Project: 58217147 LORMAN ST FT ATKINSON  
Pace Project No.: 40257481

QC Batch: 436657 Analysis Method: EPA 6010D  
QC Batch Method: EPA 3050B Analysis Description: 6010D MET  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40257481014

METHOD BLANK: 2511022 Matrix: Solid  
Associated Lab Samples: 40257481014, 40257481015

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/kg | <0.60        | 2.0             | 01/30/23 17:18 |            |

LABORATORY CONTROL SAMPLE: 2511023

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Lead      | mg/kg | 25          | 26.5       | 106       | 80-120       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2511024 2511025

| Parameter | Units | 2511024            |                | 2511025         |           | MS % Rec | MSD % Rec | % Rec Limits | RPD    | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|
|           |       | 40257481014 Result | MS Spike Conc. | MSD Spike Conc. | MS Result |          |           |              |        |         |      |
| Lead      | mg/kg | 16.8               | 31.6           | 31.6            | 50.0      | 45.5     | 105       | 91           | 75-125 | 10      | 20   |

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

QC Batch: 436883

Analysis Method: EPA 6010D

QC Batch Method: EPA 3050B

Analysis Description: 6010D MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40257481015

METHOD BLANK: 2511960

Matrix: Solid

Associated Lab Samples: 40257481015

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead      | mg/kg | <0.60        | 2.0             | 02/01/23 14:26 |            |

LABORATORY CONTROL SAMPLE: 2511961

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Lead      | mg/kg | 25          | 26.4       | 106       | 80-120       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2511962 2511963

| Parameter | Units | 2511962            |                | 2511963         |           | MS % Rec | MSD % Rec | % Rec Limits | RPD    | Max RPD | Qual |            |
|-----------|-------|--------------------|----------------|-----------------|-----------|----------|-----------|--------------|--------|---------|------|------------|
|           |       | 40257481015 Result | MS Spike Conc. | MSD Spike Conc. | MS Result |          |           |              |        |         |      | MSD Result |
| Lead      | mg/kg | 16400              | 38             | 38              | 9700      | 14800    | -17600    | -4060        | 75-125 | 42      | 20   | P6,R1      |

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### QUALITY CONTROL DATA

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

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|                  |               |                       |                                      |
|------------------|---------------|-----------------------|--------------------------------------|
| QC Batch:        | 436590        | 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: 40257481001, 40257481002, 40257481003, 40257481004, 40257481005, 40257481006

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SAMPLE DUPLICATE: 2510805

| Parameter        | Units | 40257473035<br>Result | Dup<br>Result | RPD | Max<br>RPD | Qualifiers |
|------------------|-------|-----------------------|---------------|-----|------------|------------|
| Percent Moisture | %     | 22.5                  | 21.2          | 6   | 10         |            |

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### QUALITY CONTROL DATA

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

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|                  |               |                       |                                      |
|------------------|---------------|-----------------------|--------------------------------------|
| QC Batch:        | 436596        | 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: 40257481007, 40257481008, 40257481009, 40257481010, 40257481011, 40257481012, 40257481013, 40257481014, 40257481015, 40257481016, 40257481017, 40257481018, 40257481019, 40257481020

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SAMPLE DUPLICATE: 2510806

| Parameter        | Units | 40257490002<br>Result | Dup<br>Result | RPD | Max<br>RPD | Qualifiers |
|------------------|-------|-----------------------|---------------|-----|------------|------------|
| Percent Moisture | %     | 16.9                  | 17.1          | 1   | 10         |            |

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## QUALIFIERS

Project: 58217147 LORMAN ST FT ATKINSON

Pace Project No.: 40257481

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### 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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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.

### ANALYTE QUALIFIERS

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

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58217147 LORMAN ST FT ATKINSON  
Pace Project No.: 40257481

| Lab ID      | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|----------|-------------------|------------------|
| 40257481001 | 01SW-1    | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481002 | 01SW-2    | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481003 | 01SW-3    | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481004 | 01SW-4    | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481005 | 01SW-5    | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481006 | 01SW-6    | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481007 | 01SW-8    | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481008 | 01SW-9    | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481009 | 01SW-10   | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481010 | 01B-1     | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481011 | 01B-2     | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481012 | 01B-3     | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481013 | 01B-4     | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481014 | 01B-5     | EPA 3050B       | 436657   | EPA 6010D         | 436807           |
| 40257481015 | 02SW-1    | EPA 3050B       | 436883   | EPA 6010D         | 436979           |
| 40257481016 | 02SW-2    | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481017 | 02SW-3    | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481018 | 02SW-4    | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481019 | 02B-1     | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481020 | 01SW-7    | EPA 3050B       | 436529   | EPA 6010D         | 436605           |
| 40257481001 | 01SW-1    | ASTM D2974-87   | 436590   |                   |                  |
| 40257481002 | 01SW-2    | ASTM D2974-87   | 436590   |                   |                  |
| 40257481003 | 01SW-3    | ASTM D2974-87   | 436590   |                   |                  |
| 40257481004 | 01SW-4    | ASTM D2974-87   | 436590   |                   |                  |
| 40257481005 | 01SW-5    | ASTM D2974-87   | 436590   |                   |                  |
| 40257481006 | 01SW-6    | ASTM D2974-87   | 436590   |                   |                  |
| 40257481007 | 01SW-8    | ASTM D2974-87   | 436596   |                   |                  |
| 40257481008 | 01SW-9    | ASTM D2974-87   | 436596   |                   |                  |
| 40257481009 | 01SW-10   | ASTM D2974-87   | 436596   |                   |                  |
| 40257481010 | 01B-1     | ASTM D2974-87   | 436596   |                   |                  |
| 40257481011 | 01B-2     | ASTM D2974-87   | 436596   |                   |                  |
| 40257481012 | 01B-3     | ASTM D2974-87   | 436596   |                   |                  |
| 40257481013 | 01B-4     | ASTM D2974-87   | 436596   |                   |                  |
| 40257481014 | 01B-5     | ASTM D2974-87   | 436596   |                   |                  |
| 40257481015 | 02SW-1    | ASTM D2974-87   | 436596   |                   |                  |
| 40257481016 | 02SW-2    | ASTM D2974-87   | 436596   |                   |                  |
| 40257481017 | 02SW-3    | ASTM D2974-87   | 436596   |                   |                  |
| 40257481018 | 02SW-4    | ASTM D2974-87   | 436596   |                   |                  |
| 40257481019 | 02B-1     | ASTM D2974-87   | 436596   |                   |                  |
| 40257481020 | 01SW-7    | ASTM D2974-87   | 436596   |                   |                  |

### REPORT OF LABORATORY ANALYSIS

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### CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40257481

**ALL SHADED AREAS are for LAB USE ONLY**

Company: Lucas Chabela - Terracon  
 Address: 4900 S. Pennington Ave, Colton, WI  
 Report To: Lucas Chabela  
 Copy To:  
 Customer Project Name/Number: 5821747  
 State: WI County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET  
 Phone: Lucas Chabela Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No  
 Email: Lucas Chabela  
 Collected By (print): Lucas Chabela Purchase Order #: DW PWS ID #:  
 Quote #: DW Location Code:  
 Collected By (signature): Turnaround Date Required: Immediately Packed on Ice: [ ] Yes [ ] No  
 Sample Disposal: Rush: [ ] Same Day [ ] Next Day Field Filtered (if applicable): [ ] Yes [ ] No  
 [ ] Dispose as appropriate [ ] Return [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day Analysis:  
 [ ] Archive: [ ] Hold: (Expedite Charges Apply)

Container Preservative Type \*\*  
 Lab Project Manager:  
 \*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

| Analyses |  |  |  |  |  |  |  |  |  | Lab Profile/Line:  |
|----------|--|--|--|--|--|--|--|--|--|--|
|          |  |  |  |  |  |  |  |  |  | Lab Sample Receipt Checklist:<br>Custody Seals Present/Intact Y N NA<br>Custody Signatures Present Y N NA<br>Collector Signature Present Y N NA<br>Bottles Intact Y N NA<br>Correct Bottles Y N NA<br>Sufficient Volume Y N NA<br>Samples Received on Ice Y N NA<br>VOA - Headspace Acceptable Y N NA<br>USDA Regulated Soils Y N NA<br>Samples in Holding Time Y N NA<br>Residual Chlorine Present Y N NA<br>Cl Strips: _____<br>Sample pH Acceptable Y N NA<br>pH Strips: _____<br>Sulfide Present Y N NA<br>Lead Acetate Strips: _____<br><br>LAB USE ONLY:<br>Lab Sample # / Comments: |

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) |      | Composite End |      | Res Cl | # of Ctns |
|--------------------|----------|-------------|--------------------------------|------|---------------|------|--------|-----------|
|                    |          |             | Date                           | Time | Date          | Time |        |           |
| 01 SW-1            | S        | GWAB        | 1-23-23                        | 937  |               |      | 1      | 1         |
| 01 SW-2            |          |             |                                | 940  |               |      | 1      | 1         |
| 01 SW-3            |          |             |                                | 942  |               |      | 1      | 1         |
| 01 SW-4            |          |             |                                | 944  |               |      | 1      | 1         |
| 01 SW-5            |          |             |                                | 946  |               |      | 1      | 1         |
| 01 SW-6            |          |             |                                | 948  |               |      | 1      | 1         |
| 01 SW-8            |          |             |                                | 951  |               |      | 1      | 1         |
| 01 SW-9            |          |             |                                | 953  |               |      | 1      | 1         |
| 01 SW-10           |          |             |                                | 955  |               |      | 1      | 1         |
| 01 B-1             |          |             |                                | 1000 |               |      | 1      | 1         |

total Lead

Customer Remarks / Special Conditions / Possible Hazards:  
 Type of Ice Used: Wet Blue Dry None  
 Packing Material Used:  
 Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A  
 Lab Tracking #: 2824334  
 Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:  
 Temp Blank Received: Y N NA  
 Therm ID#: \_\_\_\_\_  
 Cooler 1 Temp Upon Receipt: \_\_\_\_\_ oC  
 Cooler 1 Therm Corr. Factor: \_\_\_\_\_ oC  
 Cooler 1 Corrected Temp: \_\_\_\_\_ oC  
 Comments:

Relinquished by/Company: (Signature) Terracon - [Signature]  
 Date/Time: 1-24-23 1530  
 Received by/Company: (Signature) [Signature]  
 Date/Time: 1/24/23 0800  
 Relinquished by/Company: (Signature) CS Logistics  
 Date/Time: 1/24/23 0800  
 Received by/Company: (Signature) [Signature]  
 Date/Time: 1/24/23 0800

MTJL LAB USE ONLY  
 Table #:  
 Acctnum:  
 Template:  
 Prelogin:  
 PM:  
 PB:

Trip Blank Received: Y N NA  
 HCL MeOH TSP Other  
 Non Conformance(s): Page 36 of 39  
 YES / NO of: \_\_\_\_\_



2012



# CHAIN-OF-CUSTODY Analytical Request Document

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

40257481

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

**ALL SHADED AREAS are for LAB USE ONLY**

Company: \_\_\_\_\_ Billing Information: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Report To: S/E Email To: 2012  
 Copy To: \_\_\_\_\_ Site Collection Info/Address: \_\_\_\_\_

Container Preservative Type \*\*  
 Lab Project Manager: \_\_\_\_\_  
 \*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other \_\_\_\_\_

Customer Project Name/Number: \_\_\_\_\_ State: \_\_\_\_\_ County/City: \_\_\_\_\_ Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET  
 Phone: \_\_\_\_\_ Site/Facility ID #: \_\_\_\_\_ Compliance Monitoring? [ ] Yes [ ] No  
 Email: \_\_\_\_\_  
 Collected By (print): \_\_\_\_\_ Purchase Order #: \_\_\_\_\_ DW PWS ID #: \_\_\_\_\_  
 Quote #: \_\_\_\_\_ DW Location Code: \_\_\_\_\_  
 Collected By (signature): \_\_\_\_\_ Turnaround Date Required: \_\_\_\_\_ Immediately Packed on Ice: [ ] Yes [ ] No  
 Sample Disposal: \_\_\_\_\_ Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)  
 [ ] Dispose as appropriate [ ] Return [ ] Archive. \_\_\_\_\_ Field Filtered (if applicable): [ ] Yes [ ] No  
 [ ] Hold \_\_\_\_\_ Analysis: \_\_\_\_\_

| Analyses |  |  |  |  |  |  |  |  |  | Lab Profile/Line:                   |
|----------|--|--|--|--|--|--|--|--|--|-------------------------------------|
|          |  |  |  |  |  |  |  |  |  | Lab Sample Receipt Checklist:       |
|          |  |  |  |  |  |  |  |  |  | Custody Seals Present/Intact Y N NA |
|          |  |  |  |  |  |  |  |  |  | Custody Signatures Present Y N NA   |
|          |  |  |  |  |  |  |  |  |  | Collector Signature Present Y N NA  |
|          |  |  |  |  |  |  |  |  |  | Bottles Intact Y N NA               |
|          |  |  |  |  |  |  |  |  |  | Correct Bottles Y N NA              |
|          |  |  |  |  |  |  |  |  |  | Sufficient Volume Y N NA            |
|          |  |  |  |  |  |  |  |  |  | Samples Received on Ice Y N NA      |
|          |  |  |  |  |  |  |  |  |  | VOA - Headspace Acceptable Y N NA   |
|          |  |  |  |  |  |  |  |  |  | USDA Regulated Soils Y N NA         |
|          |  |  |  |  |  |  |  |  |  | Samples in Holding Time Y N NA      |
|          |  |  |  |  |  |  |  |  |  | Residual Chlorine Present Y N NA    |
|          |  |  |  |  |  |  |  |  |  | Cl Strips: _____                    |
|          |  |  |  |  |  |  |  |  |  | Sample pH Acceptable Y N NA         |
|          |  |  |  |  |  |  |  |  |  | pH Strips: _____                    |
|          |  |  |  |  |  |  |  |  |  | Sulfide Present Y N NA              |
|          |  |  |  |  |  |  |  |  |  | Lead Acetate Strips: _____          |

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) |      | Composite End |      | Res Cl | # of Ctns |
|--------------------|----------|-------------|--------------------------------|------|---------------|------|--------|-----------|
|                    |          |             | Date                           | Time | Date          | Time |        |           |
| 01 B-2             | S        | EAHP        | 1-27-23                        | 1003 |               |      |        | 1         |
| 01 B-3             |          |             |                                | 1007 |               |      |        | 1         |
| 01 B-4             |          |             |                                | 1005 |               |      |        | 1         |
| 01 B-5             |          |             |                                | 1002 |               |      |        | 1         |
| 02 SW-1            |          |             |                                | 1010 |               |      |        | 1         |
| 02 SW-2            |          |             |                                | 1012 |               |      |        | 1         |
| 02 SW-3            |          |             |                                | 1014 |               |      |        | 1         |
| 02 SW-4            |          |             |                                | 1016 |               |      |        | 1         |
| 01 B-1             | S        |             |                                | 1018 |               |      |        | 1         |
| 01 SW-7            | S        | EAHP        | 1-27-23                        | 949  |               |      |        | 1         |

total lead

Customer Remarks / Special Conditions / Possible Hazards: \_\_\_\_\_  
 Type of Ice Used: Wet Blue Dry None  
 Packing Material Used: \_\_\_\_\_  
 Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A  
 Lab Tracking #: 2824335  
 Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:  
 Temp Blank Received: Y N NA  
 Therm ID#: \_\_\_\_\_  
 Cooler 1 Temp Upon Receipt: \_\_\_\_\_ oC  
 Cooler 1 Therm Corr. Factor: \_\_\_\_\_ oC  
 Cooler 1 Corrected Temp: \_\_\_\_\_ oC  
 Comments: \_\_\_\_\_

Relinquished by/Company: (Signature) Terrace Date/Time: 1-24-24 1530  
 Relinquished by/Company: (Signature) CJ Logistics Date/Time: 1-25-23 0800  
 Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by/Company: (Signature) manu Date/Time: 1-25-23 0800  
 Received by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

MTJL LAB USE ONLY  
 Table #: \_\_\_\_\_  
 Acctnum: \_\_\_\_\_  
 Template: \_\_\_\_\_  
 Prelogin: \_\_\_\_\_  
 PM: \_\_\_\_\_  
 PB: \_\_\_\_\_  
 Trip Blank Received: Y N NA  
 HCL MeOH TSP Other  
 Non Conformance(s): Page 37 of 39  
 YES / NO of: \_\_\_\_\_



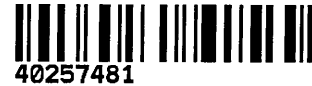
Sample Condition Upon Receipt Form (SCUR)

Project #: \_\_\_\_\_

Client Name: TERRACON

WO#: **40257481**

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_



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 - 120 Type of Ice: Wet Blue Dry None  Meltwater Only

Cooler Temperature Uncorr: 4.0 / Corr: 4.0

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no

Person examining contents:  
 Date: 1/25/23 / Initials: mH  
 Labeled By Initials: SB

Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

|  |   |
|--|---|
| Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A   | 1.  |
| 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<br>- DI VOA Samples frozen upon receipt <input type="checkbox"/> Yes <input type="checkbox"/> No   | 5. Date/Time: _____   |
| 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: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>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 | 8.  |
| Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Correct Type: <u>Pace Green Bay</u> , Pace IR, Non-Pace  | 9.  |
| 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A<br>-Includes date/time/ID/Analysis Matrix: <u>S</u>  | 12. <u>OK has IDGF 0281 matched by date and time mH 1/25/23</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: \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

# Appendix F

## Waste Disposal Documentation

Waste Disposal Documentation

| Date      | Profile # | Manifest/Additional Documents | Ticket # | Material                  | Facility              | Carrier         | Vehicle | Tons/Tonnes | Material Quantity | Material Unit |
|-----------|-----------|-------------------------------|----------|---------------------------|-----------------------|-----------------|---------|-------------|-------------------|---------------|
| 1/23/2023 | 138450WI  |                               | 0 647608 | Dredged Sediment and Soil | WI Deer Track Park LF | DUMP            | 5205    | 15.55       | 15.55             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647610 | Dredged Sediment and Soil | WI Deer Track Park LF | DUMP            | 5216    | 15.42       | 15.42             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647611 | Dredged Sediment and Soil | WI Deer Track Park LF |                 | 711     | 13.54       | 13.54             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647615 | Dredged Sediment and Soil | WI Deer Track Park LF |                 | 11      | 13.28       | 13.28             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647616 | Dredged Sediment and Soil | WI Deer Track Park LF | DUMP QUADS      | 96      | 15.52       | 15.52             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647617 | Dredged Sediment and Soil | WI Deer Track Park LF |                 | 1209    | 13.35       | 13.35             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647618 | Dredged Sediment and Soil | WI Deer Track Park LF |                 | 1208    | 14.11       | 14.11             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647621 | Dredged Sediment and Soil | WI Deer Track Park LF |                 | 1216    | 15.46       | 15.46             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647628 | Dredged Sediment and Soil | WI Deer Track Park LF | HOWARD TRUCKING | 16073   | 16.64       | 16.64             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647624 | Dredged Sediment and Soil | WI Deer Track Park LF |                 | 28      | 14.45       | 14.45             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647630 | Dredged Sediment and Soil | WI Deer Track Park LF |                 | 73      | 16.99       | 16.99             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647635 | Dredged Sediment and Soil | WI Deer Track Park LF | DUMP            | 5216    | 17.99       | 17.99             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647637 | Dredged Sediment and Soil | WI Deer Track Park LF | DUMP            | 5205    | 17.34       | 17.34             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647640 | Dredged Sediment and Soil | WI Deer Track Park LF |                 | 711     | 24.04       | 24.04             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647641 | Dredged Sediment and Soil | WI Deer Track Park LF | R R WALTON      | 31      | 15.86       | 15.86             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647636 | Dredged Sediment and Soil | WI Deer Track Park LF |                 | 700     | 14.04       | 14.04             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647653 | Dredged Sediment and Soil | WI Deer Track Park LF |                 | 10      | 13.21       | 13.21             | TON           |
| 1/23/2023 | 138450WI  |                               | 0 647643 | Dredged Sediment and Soil | WI Deer Track Park LF |                 | 11      | 19.04       | 19.04             | TON           |

|               |        |
|---------------|--------|
| Total Tonnage | 285.83 |
|---------------|--------|