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Subject: Oil Barge Dock Slip Historical Data Review Technical Memorandum
Superior Slips, St. Louis River Area of Concern
Superior, Wisconsin

1. Executive Summary

AECOM Technical Services, Inc. (AECOM) has prepared this technical memorandum in accordance with Task 3-Existing Data and Review guidelines provided in the Wisconsin Department of Natural Resources' (WDNR) request for proposal (RFP) and Scope of Work (SOW) (WDNR, 2022). This technical memorandum has been prepared for the WDNR under the United States Environmental Protection Agency (USEPA) Great Lakes Restoration Initiative (GLRI) grant (USEPA GLRI Grant No. GL-00E03068). As detailed in the WDNR RFP and SOW, AECOM is to review existing data for each project site within the St. Louis River Area of Concern (SLRAOC), compile this information, and format the available data, as necessary. The project areas under Task 3 include C Street Slip, Tower Avenue Slip, General Mills Slip, and Oil Barge Dock Slip. The selected project areas are located along the right descending bank of the St. Louis River in Superior, Wisconsin. This technical memorandum focuses on the data review conducted for the Oil Barge Dock Slip. See Figure 1 for the site location. Historical data review results for all other project areas will be summarized in separate technical memorandums as detailed in the WDNR RFP and SOW (WDNR, 2022).

2. Site Description and History

2.1 Site Description and Historical Use

The Oil Barge Dock Slip (the Slip) is located within the 40-acre West Waterfront in St. Louis Bay and encompasses a 6-acre area to the east of the Hallett Dock 8 Slip, which was historically used for shipment of coal and petroleum-related products (EA Engineering, Science, and Technology, Inc [EA], June 2021). Nearby manufacturers included coke ovens, a foundry, and a coal briquet maker. Petroleum products, such as gasoline, diesel, jet fuel, and crude oil, were transferred at the Dock between 1890 and 1993, and were discontinued when the former Amoco Terminal on Winter Street was abandoned following petroleum pipeline construction. Approximately 112 acres of coal storage were located adjacent to the Slip in the 1930s and 1940s. The east

shoreline of the Slip is currently used as a coal stockpile for the Midwest Energy Resources Company. The docks on each side of the Slip are lands constructed by filling the riverbed to reach deeper water for navigation.

The Slip is located between the Historical Great Lake and Historical Standard Oil Docks. The Great Lakes Dock operated as a coal dock between 1889-1973 (The SIGMA Group [SIGMA], 2019). Standard Oil, the American Oil Co. (Amoco), and BP Products North America (BP) are used interchangeably throughout historical documentation in reference to the Oil Barge Dock Slip. Known as Standard Oil of Indiana, the company merged with Amoco in 1925 (Encyclopedia of Chicago, accessed 2022). Amoco and BP merged in 1998 as BP Amoco. In 2001, BP Amoco changed its brand to simply BP, but reintroduced Amoco as a retained brand in 2017 (BP, accessed 2022).

The Standard Oil Dock, which comprises six parcels, operated as a coal dock between 1907 to the late 1960s. The dock extends north into St. Louis Bay, with a long slip on the western side (Hallet Dock 8 Slip), and a shorter slip on the eastern side (Oil Barge Dock Slip). Historical documents indicate that the Standard Oil Dock (and later the Amoco Oil Co.) used the eastern side of the dock for oil transfer operations between 1891 to 1993 and is known as the Amoco Oil Barge Dock.

Three 5,000-barrel (210,000-gallon) aboveground storage tanks (ASTs) were located to the south of the dock, which were connected via pipeline to an oil transfer building to the south, where the oil was moved into railcars. This site included an empty oil barrel yard, an oil railcar house, a pumphouse, and seven 10,000-gallon ASTs containing petroleum products. Two additional ASTs were constructed to the east of the railcar house sometime between 1893 and 1901 and were removed around 1917. The oil transfer buildings ceased operations in the late 1950s and were subsequently demolished. Petroleum transfer operations on the dock ended in 1993, though oil pipelines were maintained in “caretaker” status through 1999 (SIGMA, 2019).

2.2 Historical Assessment Activities

Site assessment activities related to the Oil Barge Dock Slip were conducted in 2015, 2020, and 2022 by the following companies:

- EA on behalf of the USEPA;
- SIGMA on behalf of the WDNR; and
- AECOM on behalf of the WDNR.

Site assessments and investigations that have been conducted to date at the Slip will be discussed further in the following sections. Sample locations from the 2015 and 2020 assessments are shown on Figure 2.

2.2.1 2016 Site Characterization Report Assessment of Contaminated Sediments Superior Waterfront Characterization, St. Louis River and Bay Area of Concern

On February 12, 2016, EA submitted the report titled Site Characterization Report Assessment of Contaminated Sediments Superior Waterfront Characterization, St. Louis River and Bay Area of Concern, Superior Wisconsin on behalf of the USEPA. The primary objective of this field investigation was to obtain data necessary to assess the sediment quality in the Superior Waterfront area and to “evaluate the priority of each area for further assessment or remediation.” Samples were collected between July 7, 2015, and July 20, 2015. Surficial samples were collected via ponar grab sampler for surface sediment characterization, and core samples were collected with a vibracore to depth to characterize deeper sediments. Cores were sampled from 0.5 to 2 feet (ft) and every 2 ft to the bottom of the core.

One sediment sample location (SW15-SLB03) was collected in the vicinity of the Slip and was analyzed for 3 polycyclic aromatic hydrocarbons (PAHs), Target Analyte List (TAL) Metals, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), total organic carbon (TOC), grain size, and percent moisture. A strong hydrocarbon odor was noted during collection and was observed from

inside the cabin of the sampling vessel as the core was retrieved, and a slight sheen was observed in the surface sediment. The core consisted of brown silt with trace sand, organics, and woody debris at the surface.

Sediment concentrations were compared to the following:

- Sediment Quality Guidelines (SQGs), which were developed as informal, non-regulatory guidelines, and include the threshold effects concentrations (TECs), midpoint effects concentrations (MECs), and probable effects concentrations (PECs) from WDNR's Consensus-Based Sediment Quality Guidelines; and
- Default Residual Contaminant Levels (RCLs) for non-industrial and industrial direct contact and soil-to-groundwater values.

The sample collected from SW15-SLB03 had the highest concentrations of both organic and inorganic analytes, with SQG exceedances of most analytes. Concentrations above the TECs were detected for Total 17 PAHs, metals, VOCs, and SVOCs. Analytical results for the sediment samples are available in Table 1 and sediment sample locations are shown in Figure 2.

2.2.2 2021 Investigation Report, Characterization of Sediments in the North End District and Clough Island, St. Louis River and Bay Area of Concern, Superior, Wisconsin

EA submitted the Investigation Report, Characterization of Sediments in the North End District and Clough Island, St. Louis River and Bay Area of Concern, Superior, Wisconsin in June 2021 on behalf of the USEPA. Assessment activities were completed to identify locations with contaminated sediments to address remaining beneficial use impairments (BUIs) and determine if there are other contaminated sediment sites requiring remedial action to address the BUIs.

Samples collected in the SLRAOC in 2015 had high concentrations of PAHs. In a July 28, 2017, Closure Not Recommended Letter, WDNR requested that BP assess whether the Oil Barge Dock may have contributed to sediment contamination in the area. BP performed a forensic analysis to determine the source of sediment contamination and concluded that the Oil Barge Dock is not a source; however, WDNR independently evaluated the PAH results and found that the Oil Barge Dock cannot be dismissed definitively based on the current information and analysis. Based on the PAH forensic analysis, historical transfer of petroleum products (gasoline, diesel, jet fuel, or crude oil) at the Oil Barge Dock, and its 100-year operational history that mostly occurred prior to environmental law, the WDNR concluded that the products transferred at the Oil Barge Dock are the most likely sources of PAHs in Slip sediment. WDNR recommended a detailed full scan GC/MS analysis for aliphatic hydrocarbons, as well as microscopic analysis, to detect coal particles.

Sampling took place from June 22 to July 4, 2020. Sediment was collected from 17 locations throughout the Slip (BP-01 through BP-17) at 2-ft intervals from the sediment surface to a maximum depth of 20-ft below the sediment surface.

Sediment samples were analyzed for TAL metals including mercury, Target Compound List (TCL) SVOCs, including 18 PAHs, TOC, grain size, and moisture content. Selected samples were also analyzed for TCL VOCs, dioxins/furans, organotins, aliphatic hydrocarbons, and alkylated PAHs. In addition, microscopic analysis of coal particles was completed, and toxicity testing was performed at select locations following consultation with WDNR. Toxicity analysis included acute toxicity bioassays, chronic toxicity bioassays, and bioaccumulation exposures.

Sediment cores collected within the Slip had varying lithology and were characterized by a mixture of sand, silt, and clay with wood and organic material. Petroleum odors were noted in over half of the cores at various depths; petroleum odors and/or a sheen were present in all samples collected except for samples collected from BP12, BP13, BP15, and BP17.

Sediment concentrations were compared to SQGs and RCLs for non-industrial and industrial direct contact and soil-to-groundwater values.

Analytical results are briefly summarized below.

- PEC exceedances were observed for organics (1,2-dichlorobenzene, 1,4-dichlorobenzene, benzene, xylene, and PAH18), and metals (arsenic, iron, lead, and manganese) at the head of the Slip, and at depth for a limited number of locations and compounds in the middle to outer portions of the Slip.
- Coal was detected in 10 locations within the Slip. Coal values at ND20-BP02 and ND20-BP05 were high, increasing with depth at location BP02 and decreasing with depth at BP05. At BP02, coal and petroleum odors were observed through a depth of 6.4 ft, while odors were observed to 4.6 ft at BP05.
- Exceedances of the SQGs were limited to locations BP01, BP02, and BP03 for VOCs. Fifteen analytes exceeded the soil to groundwater RCL in at least one sample location.
- SVOC results exceeded the SQGs at all locations, as well as the soil to groundwater RCL (4 analytes), non-industrial RCL (6 analytes), and industrial RCL (1 analyte).
- One sample exceeded the TEC for total PCBs (ND20-BP03-SURF, from 0-0.3 feet below sediment surface). Individual Aroclor concentrations were compared to RCL values and there were no exceedances.
- Metals exceeded the SQGs in samples collected at all 17 locations. Eleven metals exceeded the soil to groundwater RCL, three metals exceeded the non-industrial RCL, and 2 metals exceeded the industrial RCL.
- Dioxin results exceeded SQGs at two locations and at another 4 locations sampled for the Fish Toxicity Equivalency Quotient (TEQ). Concentrations of the dioxin 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) exceeded the soil to groundwater RCL but not the non-industrial or industrial direct contact RCL.
- There were no detections of organotins.
- For toxicity testing, sediment collected from BP02, BP03, and BP05 had an adverse effect on *C. dilutes* survival in the 10-day sediment exposures. Sediment collected from BP07 had an adverse effect on mean dry weight (growth) of *H. azteca*.

A subset of sediment samples collected in 2020 were submitted for gas chromatography/mass spectrometry (GC/MS) and microscopic analysis (EA, 2021). Samples collected from BP01, BP02, BP03, BP05, BP07, BP10, BP12, and BP15 were submitted for a full GC/MS analysis. Based on the analysis, Slip samples generally have a range of carbon numbers that fit the profile of diesel fuel/middle distillates or fuel oils. Several samples had a range that could indicate jet fuel/kerosene since the upper end of the range of carbon numbers did not exceed C18, and two samples indicate only fuel oils, since the upper end of the range extends to C27 and C29. Four surface samples were not detected for alkanes. The report noted that if petroleum products are degraded or consist of a mixture of products, the identified n-alkanes and isoalkanes may not represent the complete carbon range of the products, and that source identification does not definitively identify the source material (EA, 2021).

Analytical results for the sediment samples are available in Table 1 and sediment sample locations are shown on Figure 2.

2.3 Historical Documents

Descriptions of historical activities were obtained from a review of available existing reports including the following:

Date	Historical Activity
February 12, 2016	Site Characterization Report Assessment of Contaminated Sediments Superior Waterfront Characterization, St. Louis River and Bay Area of Concern, Superior Wisconsin
December 14, 2017	2017 Amoco Barge Dock, Manifold, and AST Area Site Investigation Report, Former Amoco Terminal, 2904 Winter Street, Superior, Wisconsin
September 14, 2018	Correspondence/Memorandum – Review Comments regarding Former Amoco Oil Barge Dock Issue Response Report
November 22, 2019	Historic Records Screening Report: Winter Street North Task Area

Date	Historical Activity
November 22, 2019:	Historic Records Screening Report: Historic Maps Supplemental Volume
November 22, 2019	Shoreline Changes: Task Areas: Winter Street, Tower Avenue, Gas Plant
November 22, 2019	Historic Records Screening Report: Gas Plant Task Area
June 17, 2021	Site Investigation Report Characterization of Sediments in the North End District and Clough Island St. Louis River and Bay Area of Concern, Superior, Wisconsin
March 8, 2022	Background Threshold Values for Sediment Contaminants in the St. Louis River AOC

3. Conceptual Site Model

A Conceptual Site Model (CSM) generally includes information on known contaminant sources and impacted media, potential other sources, transport pathways, exposure pathways, and receptors. A preliminary CSM for the Oil Barge Dock Slip was largely obtained from the 2017 Amoco Barge Dock, Manifold, and AST Area Site Investigation Report (Antea, 2017), which describes a CSM including the historical Amoco Barge Dock and the surrounding area adjacent to the Slip. The following description of the CSM will be updated as necessary as additional information is collected and reviewed.

3.1 Physical Site Characteristics

The Slip is currently an 840-feet long and 95-feet wide slip located between the former Amoco/BP Oil Barge Dock and Midwest Energy Resources dock.

3.1.1 Site Hydrology/Drainage

Based on a review of topographical conditions reflected on United States Geological Survey (USGS) maps from 1917 to 2018, historical surface runoff drainage patterns within the Winter Street North task area (which includes the Slip) indicates that historical surface runoff drainage patterns were generally in a south to north direction (SIGMA, 2019a). Several storm sewer discharges are located along an unnamed drainageway extending from a point to the south of Winter Street, between Garfield and Maryland Avenues, and northeast to the base of the Tower Slip. A sanitary sewer force-main flows south and discharges into the gravity sanitary sewer located in the north right-of-way of Winter Street, which subsequently flows into the wastewater treatment plant.

3.1.2 Shoreline Characteristics

Historically, a natural shoreline along the St. Louis Bay and St. Louis River existed prior to any facilities or operations in the region (Antea, 2017). Based from bathymetric soundings in 1863, relatively shallow waters were located just off the shoreline. Docks established in this area were man-made and were likely created with material from nearby dock slip and ship channel dredging, though no known documentation exists for their creation. Historical documents indicate that the shoreline ran from southwest to northeast through the site until 1907 (SIGMA, 2019). The Standard Oil Co. constructed a narrow wharf around 1891 that was supported by wooden piles along the eastern side of the site. The end of the wharf was located approximately 2,000-feet offshore and consisted of a 200-foot by 300-foot platform. The area to the west of the wharf was filled in by the Berwind Fuel Co. in 1897.

3.1.3 Acoustic Wall Survey, Sediment Bathymetry, and Sub-Bottom Profiling

An acoustic wall survey, sediment bathymetry, and sub-bottom profiling were performed during the 2020 assessment. The Slip survey area comprised the 2-acre parcel of submerged lands between the eastern and western walls, as well as 4.8 acres of coverage extending into St. Louis Bay. Multibeam bathymetry data were

collected from the approximate centerline of the South Channel to the limits of navigation in the headwaters to the south (EA, June 2021).

The acoustic wall survey noted the west wall of the Slip, which consists of a concrete cap placed on compacted fill material, retains a portion of fill material used to create the former Standard Oil/Amoco/BP Oil Barge Dock in 1907. The west wall consists of a robust concrete cap placed on compacted fill material that was originally used to cover the freshwater marshland and that replaced the trestle system previously used to service a platform constructed in deeper water to the north (EA, June 2021). In general, the west wall between Stations 0+00 and 1+20 appeared intact but displayed signs of damage and deterioration both above and below the waterline. The east wall retains a portion of the fill material used to expand the Great Lakes Coal and Dock Company Dock (now Midwest Energy Resources Dock) in 2019. The east wall is considered a product of different construction techniques, so that the condition of the wall segments was considered dependent on the construction technique, material, and age of segment.

Water depths ranged from 3 ft to 25 ft in the Slip, based on the bathymetry conducted for the assessment; however, shallow water and debris prevented access and complete coverage of the water body. The topographic high point (589 ft) was measured in the southeast corner of the slip, while the lowest elevations (576 ft) were encountered near the centerline and mouth of the slip, which may be a relic of prior dredging. Shoaling just north of the Slip opening appeared to be filling the original access channel along the east and west margins, gradually increasing elevations to 581 and 582 ft (EA, June 2021).

Sub-bottom profiling data were collected over 10 north-south oriented survey transects within the 95-ft wide Slip. The sediment column indicates evidence of a significantly disturbed or modified bed with several discontinuous strata visible within 15 to 20 feet of the sediment-water interface (EA, June 2021). Three principal material types were detected within the sediment column that were a product of either physical composition and/or degree of disturbance. Silts (recently deposited fine-grained sediments) overlying mixed layers of material were observed in the upper sediment common, while homogenous, bedded silty clays were observed at depth. The thickness of each type of material encountered varied based on location within the Slip, bathymetry, degree of anthropogenic influence, and structural integrity of the adjacent walls.

3.1.4 Regional Geology and Hydrogeology

The regional geology of Douglas County is dominated by Pleistocene and Post-Pleistocene Age deposits (Antea, 2017). The area may be divided into two distinct topographic regions – the Superior lowlands to the north, and the rolling, hilly topography south of the lowlands. The Slip is located in the Superior lowland area, which is characterized by flat to undulating topography underlain by thick red glacial clays.

The Pleistocene Miller Creek Formation makes up the clayey till and offshore clay and silt that primarily compose the Superior lowlands (Antea, 2017). These deposits were laid down approximately 11,500 to 9,500 years before present. The Douglas Member of the Miller Creek Formation is most commonly found within this area. When overlying the clayey material, the Douglas till typically contains between 45 and 85 percent clay, 10 and 40-percent silt, 3 and 20-percent sand, and a lower percentage of coarser material. However, when overlying sand, the Douglas till has been observed to consist of up to 60-percent sand.

Various post-glacial deposits overlay the Miller Creek Formation (Antea, 2017). In the area of interest, these deposits consist primarily of organic sediments, stream channel deposits, and shoreline deposits. The post-glacial deposits may be distinguished from the Miller Creek Formation by the absence of reddish clay sediments. These deposits are considered Holocene.

3.1.5 Site Hydrogeology

The following description is for the former Amoco Barge Dock Site (Bureau for Remediation and Redevelopment Tracking System [BRRTS] 02-16-297979, which is south of the Amoco Oil Barge Dock (BRRTS 02-16-297977) (see Appendix A for a figure of BRRTS locations). The hydrogeologic conditions are strongly influenced by the thickness of the overlying clay, its dip to the northwest, and confined groundwater conditions. When groundwater is confined so effectively under an extensive dipping clay unit, the hydraulics and buoyancy of the

light non-aqueous phase liquid (LNAPL) tends to preferentially accumulate LNAPL immediately beneath the clay (Antea, 2017).

Groundwater flow is to the north-northwest at a horizontal gradient that was calculated from historical data. Groundwater vertical gradients were observed to transition upward near St. Louis Bay (Antea, 2017). All groundwater flow gradients are upward in the deep wells closest to St. Louis Bay. Per Antea, since vertical upward gradients are closer to St. Louis Bay, dissolved phase impacts are unable to migrate through the clay separating the underlying silty sand aquifer from the surface water body of St. Louis Bay (Antea, 2017). However, the WDNR later noted that they did not concur since the upward vertical gradient indicates groundwater will eventually discharge into St. Louis Bay (WDNR, 2019a).

Sediment hydraulic conductivity varies vertically. The highest was calculated for sediments at approximately 54-54.5 feet below grade (3.0 x 10-4 centimeters per second [cm/sec]), indicating there is a higher potential for groundwater flow through sandy soils in the deeper zone (Antea, 2017). Soils above and below the 54-54.5 feet interval had calculated hydraulic conductivities that were an order of magnitude lower, with the assumption that the zone of higher hydraulic conductivity calculated at 54-54.5 feet is extensive.

3.1.6 Site Geology

The following description is for the former Amoco Barge Dock Site, which is south of the Slip. The surficial geology within the area consists of dense, reddish-brown clay overlying a sequence of silts and silty sands, which is consistent with the regional geology of the area where shoreline or lacustrine deposits are found to overlie till sequences (Antea, 2017). The clay layer has been observed to range in thickness from approximately 10 feet to at least 20 feet. Most of the soil borings indicate the clay layer to be approximately 13 to 15-feet in thickness. Thicknesses decrease north towards the Amoco Barge Dock site. A dip in the clay base just north of Winter Street causes confining conditions in the silty-sand aquifer north of Winter Street. The confining aquifer conditions lock LNAPL in place against the clay. Pockets and/or domes (concavities) at the base of the clay likely exist, which Antea stated locks and inhibits migration of LNAPL.

A water-bearing reddish-brown silty-fine sand unit underlies the reddish-brown clay at an approximate average depth of 15-feet below grade. Cone penetrometer testing (CPT) logs in the upper portion for the silty sand unit indicate the presence of discontinuous silt lenses at multiple locations. Relative grain size distribution in the sand unit is 80 to 90-percent fine sand, 10-percent silt, and 3 to 5-percent clay. The relative grain size distribution in the upper clay is approximately 83-percent clay, 12-percent silt, and 5-percent sands (Antea, 2017).

The contact between the overlying clay and sandy silt dips west-northwest at an approximate average of 2.5 feet per 100 feet. During periods of high groundwater elevation, the water table becomes confined as it rises above the clay/sand interface. North of Winter Street at MW-32, the water table always exists under confined conditions as the average water table elevation crosses the sloping clay contact. The silty-sand/sandy-silt unit extends to approximately 83-feet below grade and is underlain by a firm silt unit encountered at the maximum soil boring depth of 88-ft below grade.

A surficial clay layer ranges in thickness from approximately 10 to 20 feet, with variable areas greater than 20 feet, and increases in thickness towards the north and west of the Amoco Barge Dock. Groundwater is under confined conditions north of Winter Street; these conditions essentially lock the LNAPL in place against the clay and slight domes or ridges occurring in the bottom of the clay. A silty-fine sand unit exists at an average depth of 15-feet below grade (Antea, 2017).

3.2 Potential Historical Sources of Contamination

3.2.1 Standard Oil Dock

As previously discussed in Section 2.1, the Slip was located on the eastern side of the Standard Oil Dock and was used for oil transfer operations for over 100 years. The site included an empty oil barrel yard, an oil railcar

house, a pumphouse, and seven 10,000-gallon ASTs containing petroleum products. Three 5,000-barrel ASTs were located to the south of the dock and were connected to a pipeline to an oil transfer building. Two additional ASTs were constructed to the east of the railcar house by 1901 and removed by 1917.

An oil spill on the Standard Oil Dock occurred in 1976 from a broken valve in the Standard Oil pipeline running from its dock to a petroleum product storage terminal south of Winter Street, which resulted in a release of No. 2 fuel oil (SIGMA, 2019). The oil spilled onto the land around the pipeline and the frozen-over slip. After tank trucks collected the release, the remaining fuel oil that was not collected from within and on the ice was set on fire to burn off the remaining residual. No further remedial actions were identified for the incident.

The majority of the Standard Oil Dock was used for open-air storage of up to 800,000 tons of coal from 1907 to the late 1960s. A machine shop was located at the base of the slip between the Hallett and Standard Oil Docks until sometime between 1975 to 1986.

The Berwind briquet plant building was constructed at the base of the Standard Oil Dock between 1892 and 1899. It was converted into a coal briquet plant in 1912 and produced 3,300 tons of coal briquets per day. The plant included two 164,000-gallon binding oil ASTs, which operated through 1965. The plant was demolished sometime between 1970 and 1975 (SIGMA, 2019a).

Historical operations/conditions of interest related to the Standard Oil Dock Site are included below (SIGMA, 2019):

- Oil transfer operations between 1891 and 1903;
- Undefined fill material used to construct dock in 1907;
- Bulk coal storage between 1907 and late 1960s;
- Possible charcoal plant or blast furnace between 1893 and 1895;
- Grass twine manufacturing, between 1899 and 1912;
- Coal briquet manufacturing between 1917 and 1995;
- Contamination from leaking underground storage tank (LUST) in southeast section of the dock;
- Contamination from Environmental Repair Program (ERP) sites along the eastern edge of the Standard Oil Dock site; and
- Contamination from LUST site and ERP sites in the southeast section of the Standard Oil Dock site.

These ERP sites are further discussed below.

3.2.1.1 Standard Oil Pipeline Area/Amoco Oil Barge Dock

The former Standard Oil Pipeline area is also known as the Amoco Oil Barge Dock, which is a listed ERP site with four historical ERP cases. Two of the cases (BRRTS #02-16-275556 and BRRTS #02-16-297977) have been closed, while the other two cases (BRRTS #02-16-297979 and BRRTS #02-16-117873) were open as of November 2019 (SIGMA, 2019):

- The Former Oil Barge Dock Site (BRRTS #02-16-297977) located along the western edge of the Oil Barge Dock Slip. An underground storage tank (UST) was located in the Barge Dock area approximately three feet below ground surface and directly below a steel standpipe to the west of the dock. The UST was excavated in October 2002. The extent of impacted soil extended approximately 65-ft north and 25-ft south of the Barge Dock wooden platform (Antea, 2017). Following removal of the UST site, impacted soil was excavated. Following the removal of 1,200 tons of contaminated soil to address petroleum impacts from historical operations, confirmation soil sampling indicated that all sample results were below the RCLs cited in Wisconsin Administrative Code NR 720 or NR 746. Temporary groundwater wells were installed that contained only low concentrations of benzene, ethylbenzene, xylenes, trimethylbenzenes, and naphthalenes that were all below their respective Wisconsin Administrative Code NR 140 ES. The case was granted an unconditional closure in 2004.

- The Manifold & AST Area site (BRRTS #02-16-117873) was opened in 1995 following the discovery of stained soil near a former railroad loading rack. As of 2018, benzene, toluene, ethyl benzene, xylene, total trimethylbenzenes, and naphthalene greater than the Enforcement Standards was present in groundwater. An LNAPL plume was also present in the subsurface (SIGMA, 2019). The site is located approximately 2,600 ft from the southern end of the Oil Barge Dock Slip.
- The Pipeline Leak site (BRRTS #02-16-274556) was opened in 2001 and was combined into the Manifold and AST site (BRRTS #02-16-117873) in 2009. The site is located approximately 2,500 ft from the southern end of the Oil Barge Dock Slip. The ASTs and truck loading rack at the site were removed in the 1950s. The removal of pipelines and distribution manifold occurred in the 2000s. Removal of contaminated soil and groundwater, explosive vapors, and LNAPL has occurred as interim remedial actions as defined in the Wisconsin Administrative Code 700.03(2). While the interim remedial actions at the site to have been significant, Antea reports more than 30,000 gallons of LNAPL remain in the ground and a plume of up to 25 acres of contaminated shallow and deep groundwater currently exist at the site (WDNR, June 2019). The WNDR noted the deep plume of groundwater contamination is expanding at the downgradient margin and that LNAPL plumes are the probable source of groundwater contamination.
- The O.W. Separator and Loading Rack Site (BRRTS #02-16-297979) was opened in 2002 for the former location of the oil-water separator and loading rack. ASTs, piping, and a distribution manifold at the Manifold site have handled petroleum for nearly 100 years. Deep and shallow groundwater contamination, as well as LNAPL, have migrated onto neighboring properties. As of 2018, benzene and naphthalene greater than the Enforcement Standard was present in groundwater. A plume of LNAPL was also present in the subsurface (SIGMA, 2019). The site is located approximately 1,500 feet away from the southern end of the Oil Barge Dock Slip.

In a July 28, 2017, Closure Not Recommended Letter, the WDNR requested that BP Products North America (BP) assess the potential for the Amoco Oil Barge Dock to have contributed to the sediment contamination found in samples collected in the SLRAOC in 2016, specifically to sediment core SW15-SLB03, which was collected in the slip adjacent to the Amoco Oil Barge Dock.

Per a WDNR correspondence, a 2017 Issue Response Report submitted by Antea stated that the Amoco Oil Barge Dock was not a source and that there were several other sources of contamination and requested concurrence from the WDNR. However, the WDNR refuted the findings within the report, specifically for the following:

- Per the WDNR, the report stated that “definitive conclusions for whether or not coal or petroleum was the source could not be determined due to the limited hydrocarbon suite analysis.” While the WDNR acknowledged that multiple sources and pathways (surface and subsurface) are contributing to sediment contamination, the Amoco Oil Barge Dock could not be dismissed as a potential source based on the current information and analysis (WDNR, 2018).
- The WDNR stated that the PAH forensic analysis included in Antea’s report supports the conclusion that the Amoco Oil Barge Dock contributed to PAH contaminants in the Slip sediments. Additionally, multiple lines of evidence, including products transferred at the Amoco Dock (petroleum, gasoline, diesel, jet fuel, or crude oil) and the long operational history (103 years) suggest that products historically transferred at the dock are most likely sources.
- WDNR completed a PAH forensic analysis of the analytical results presented in the Antea report.

Based on the PAH forensic analysis, WDNR stated that the Amoco Dock could not be ruled out as a source and that the results suggested that product transferred at the Amoco Dock are the main source of PAH contamination at SW-SLB03.The Amoco Dock was used to transport petroleum products that most likely contaminated the sediment as per the forensic analysis, and products transported at the Amoco Dock are consistent with the contamination found in sediments at SW15-SLB03.

Per Antea, any residual soil or groundwater contamination related to the Amoco Dock near sediment sample SW15-SLB03 was identified and/or removed during the October 2002 delineation and excavation, which received unconditional closure in 2004 as discussed above. While WDNR acknowledged that the excavation

confirmation soil sample results supported this conclusion, without containment, there was likely a subsurface pathway from the Amoco Dock to the sediments. The core log for SW15-SLB03 noted a thin gravel layer on top of a clay confining layer at 9.2 ft and noted potential coal/coke in gravel layer and a very strong chemical odor at this depth.

Per Antea, the Murphy Oil Marine Terminal Tank #2 (BRRTS No. 03-000721, further discussed in Section 3.2.1.2) groundwater plume is not delineated laterally or vertically, and this source may have been a contributor to the PVOCs found in the sediment sample in SW15-SLB03. WDNR stated that the concentrations in the relevant groundwater wells did not exceed NR 720 soil to groundwater pathway residual contaminant levels, but the maximum concentration indicated in the Issue Response Report (398 ppb) is unlikely to be the source of high solid phase concentrations in the sediment some distance away.

WDNR acknowledged that the heavy metals contained in SW15-SLB03 are representative of coal compounds and do not resemble the contents of any gasoline, diesel, or other distillates that were historically shipped to the Amoco Dock. Docks from across the bay have been shipping iron ore or taconite pellets from 1893 to the present day and these industrial shipping areas are a suspected source for the high levels of iron found in the sediment.

WDNR recommended creating a new BRRTS case for the Slip sediment and sending responsible party letters to two entities for petroleum and coal, respectively. They suggested additional sampling, detailed full scan GC/MS analysis (aliphatic hydrocarbons) and microscopic analysis to detect coal particles, all of which were completed in 2020. Finally, they recommended an investigation of whether a subsurface pathway exists at depth west and south of SW15-SLB03 associated with the gravel later described on the core log for SW15-SLB03, and to request Murphy Oil (BRRTS No. 03-16-000721) to delineate the horizontal and vertical extent of their groundwater plume.

3.2.1.2 Other Relevant ERP Sites

Other relevant ERP sites based on historical records and topography include:

- The ABC NACO/ABC Rail property (located approximately 0.5 mile south of the Slip) is an open ERP site (BRRTS #02-16-000072 and BRRTS #02-16-119619) with soil and groundwater impacted by petroleum. A closed ERP site (BRRTS #02-16-184030 is located on the property.
  - The Amocool Release ERP case (BRRTS #03-16-000059) and Compressor Release ERP case (BRRTS #02-16-11619) were opened in 1993 and 1995, respectively, following a notification of a hazardous substance discharge.
  - The Hydraulic Fluid Case (BRRTS #02-16-184030) was opened in 1997 when “grossly impacted” soil was discovered below the building floor slab during the installation of a mill machine. One cubic yard of soil was excavated, and a new floor slab was poured over the excavation. Soil borings drilled in 2003 revealed low levels of diesel range organics and toluene. The case was closed in 2004 with no continuing obligations.
- Additionally, the site contains a LUST (BRRTS #03-16-000059) with soil and groundwater contaminated with leaded and unleaded gasoline, metals, and chlorinated and non-chlorinated solvents. The LUST case was opened in 1989 following the removal of a 500-gallon UST. As of 2019, free product and groundwater concentrations of benzene, toluene, ethylbenzene, trimethylbenzenes, xylenes, methyl tert-butyl ether, and naphthalene greater than their respective Enforcement Standards is present in the southern section of the property (SIGMA, 2019).
- Additionally, two closed LUST sites (Fuel Oil Site, BRRTS #03-16-000801 and Waste Oil Site, #03-16-000802) are located on the ABC NACO/ABC Rail property. The Waste Oil site was opened in 1994 following the removal of an 880-gallon UST, and the Fuel Oil site was opened in 1994 following the removal of two 12,000-gallon fuel oil USTs. Both UST sites were over excavated to remove impacted soil and soil samples collected from the limits of the excavations did not reveal significant impacts; both cases were subsequently closed without continuing obligations in 1995 (SIGMA, 2019).

- The Murphy Marine Terminal property on Ajax Road is an open LUST site (BRRTS #03-16-000721) with soil and groundwater impacted with petroleum. The site is improved with two 25,000-barrel (1,050,000-gallon) fuel oil ASTs and a 53,870-barrel (2,262,540-gallon) unleaded gasoline AST. In 1993, a 430-gallon UST used to collect spills from a pumping station on the north end of the site was removed and subsurface contamination was discovered; the LUST case was opened in 1994. As of 2018, groundwater with benzene, ethylbenzene, trimethylbenzenes, and xylene concentrations higher than their respective Enforcement Standards are present in the northern section of the property. Soil samples collected between 1993 and 1996 contained concentrations of petroleum-related compounds greater than applicable NR 720 RCLs. Shallow groundwater flow on the property is to the north. As of 2019, monitoring wells had not been installed to confirm the extent of potential off-site contamination due to site access issues and the presence of a large AST and coal pile on the property to the north.

3.3 Potential Future Sources of Contamination

Previous sediment investigations indicated impacts from coal and petroleum, as well as sediment toxicity at this Slip (EA, 2021). There are several active and closed BRRTS case sites on lands adjacent to the West Waterfront area, with extensive plumes of petroleum-contaminated groundwater and at least 60,000 gallons of free product remaining to be recovered.

The east shoreline of the Slip is currently used as a coal stockpile for the Midwest Energy Resources Company.

3.4 Impacted Media and Contaminant Transport Pathways

Sediments are the primary media of concern for this study. As previously discussed, multiple lines of evidence, including products transferred at the Amoco Barge Oil Dock (petroleum, gasoline, diesel, jet fuel, or crude oil) and the long operational history (103 years) suggest that products historically transferred at the dock are most likely sources (WDNR, 2018). Based on the history of filling activities, large-scale open-air storage of coal and coal products, major coal processing operations, petroleum transport and storage, other manufacturing activities, a documented release of petroleum and documented soil and groundwater contamination in adjacent sites and the site's proximity to the bay, contamination from the Oil Barge Dock may have impacted sediments in the SLRAOC AOC via surface run-off, wind dispersal, subsurface contaminant migration, or filling activities (SIGMA, 2019).

Other potential contaminant transport pathways to sediments include:

- From a tanker to surface water;
- A spill off the barge dock;
- A break or leak in the above-ground pipeline, surface runoff to sediment;
- A leak in the underground storage tank and a subsurface pathway to the sediment; and
- Groundwater to surface water – Antea stated that calculated vertical gradients support the conclusion that St. Louis Bay is not a potential receptor to contamination, as the gradient reverses near the Bay Area and pushes the water table against the clay that prevents discharge to surface water (Antea, 2017). However, the WDNR has refuted this claim, stating that the upward vertical gradient indicates groundwater will eventually discharge into St. Louis Bay (WDNR, 2019a). Surface water drainage studies indicate that drainage water and soil samples from the terminal across the western portion of the Barge Dock site did not have PVOC or PAH concentrations greater than NR 140 or NR 740 ES into St. Louis Bay.

3.5 Current and Potential Future Receptors and Exposure Pathways

The area surrounding the Oil Barge Dock Slip is heavy industrial. Due to the highly industrialized nature of the surrounding area, it is unlikely that human direct contact due to recreational uses will occur. Potential human receptors include the following:

- **Maintenance Workers -** There is potential for limited exposure to dock or ship workers from chains, ropes, anchors, or other equipment that comes into contact with sediment. Potential exposure may also occur during future dredging maintenance activities via dermal contact or incidental ingestion of sediments. Although the inhalation pathway is not considered complete while sediments remain in situ, the inhalation pathway could potentially be complete during dredging activities when sediments are removed and are no longer covered by water. It is assumed that any dredging that may occur would be conducted under appropriate health and safety plans that prevent or minimize potential worker exposures.
- **Anglers -** Anglers may consume fish caught in the slip that have accumulated sediment-associated contaminants.
- **Recreational Use –** Access could potentially occur on an infrequent basis. There is the potential for limited exposure to anchor lines, anchors, and fishing tackle that come into contact with the sediment.

Potential ecological receptors and exposure pathways include the following:

- **Aquatic macroinvertebrates –** Exposures may occur via direct contact with sediment;
- **Fish –** Exposures may occur via direct contact with or ingestion of sediment;.
- **Birds and mammals –** Exposures may occur via ingestion of forage or prey that contain contaminants in tissues via bio accumulative processes. Given the heavy industrial nature of the surrounding area, it is unlikely that aquatic-associated mammals would forage within the slip. Although dermal exposure represents a potential exposure pathway for birds (or mammals), this is relatively minor relative to ingestion exposure pathways and is considered insignificant.

A brief summary of other potential receptors is included below.

- The site receptor survey did not identify any potential water well receptors of groundwater contamination within a ½ mile of the Barge Dock site south of the Slip (Antea, 2017). Underground utilities likely do not serve as a migration pathway due to the depth to groundwater and surface clay layer that retards the vertical migration of soil vapors. Storm sewer vapor surveys concluded that manhole and catch basis contained no organic vapors at measurements greater than 0.6 parts per million equivalent (ppme).
- Antea stated there were no potential receptors for LNAPL or dissolved phase petroleum contamination based on vapor surveys, surface drainage studies, and analysis of aquifer hydrogeologic properties, or dissolved phase petroleum contamination (Antea, 2017).

The CSM will be updated throughout the project, and an updated CSM will be included in all reports as a summary of the iterative process of site assessment. The CSM provides a way to review and refine site objectives and identify data gaps from site characterization through corrective/remedial action completion.

4. Data Gaps

After review of the site data collected to date, the following data gaps have been identified:

- Additional data collection is recommended to demonstrate source control, including potential groundwater pathways from liable parties.
- Additional investigation of dock wall stability by divers or a remotely operated vehicle (ROV) and potential mitigation measures for evaluation of potential remedial actions within the Slip.
- An assessment of the groundwater/sediment/surface water pathway may be warranted to further define the CSM and assist in the selection of remedial options.
- VOCs have been detected above their respective TEC include 1,2-dichlorobenzene, 1,4 dichlorobenzene, benzene, and total xylenes. TEC exceedances were observed at ND20-BP01, ND20-BP02, ND20-BP03,

and SW15-SLB03. VOCs are laterally delineated to the north but not to the south. VOCs have not been vertically delineated to concentrations below the TEC at the following core locations:

Location ID	TEC Exceeded Analytes Not Delineated
ND20-BP01	1,2-dichlorobenzene, 1,4-dichlorobenzene
ND20-BP02	1,2-dichlorobenzene, 1,4-dichlorobenzene, total xylenes
SW15-SLB03	Total Xylenes

- Metals that have been detected above their respective TEC include antimony, arsenic, cadmium, chromium, copper, iron, lead, manganese, magnesium, nickel, and zinc. TEC exceedances were observed at ND20-BP01 thru ND20-BP17 and SW15-SLB03. Metals are not laterally delineated and have not been vertically delineated to concentrations below the TEC at the following core locations:

Location ID	TEC Exceeded Analytes Not Delineated
ND20-BP07	iron and manganese
ND20-BP08	iron and manganese
ND20-BP09	manganese
ND20-BP10	iron
ND20-BP11	manganese
ND20-BP12	iron, manganese, nickel
ND20-BP13	iron, manganese, nickel
ND20-BP05	iron and manganese

- PCBs were detected above the TEC at ND20-BP03 and SW15-SLB03. The exceedances are laterally delineated but ND20-BP03 is not vertically delineated, since the sample was collected in the upper 0.3 feet of sediment.
- SVOCs that have been detected above their respective TEC include 2,4-dimethylphenol, 2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(e)pyrene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-c,d)pyrene, naphthalene, phenanthrene, pyrene, and Total PAH18. TEC exceedances were observed at all eighteen locations evaluated (ND20-BP01 through ND20-BP17 and SW15-SLB03). SVOCs are not laterally delineated and have not been vertically delineated to concentrations below the TEC at the following core locations:

Location ID	TEC Exceeded Analytes Not Delineated
ND20-BP03	acenaphthene
ND20-BP08	2-methylnaphthalene, acenaphthene
ND20-BP10	2-methylnaphthalene
ND20-BP15	2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, dibenzo(a,h)pyrene, dibenzofuran, fluoranthene, fluorene, phenanthrene
ND20-BP17	2-methylnaphthalene, acenaphthene
SW15-SLB03	2-methylnaphthalene, anthracene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, pyrene, Total PAH18

Location ID	TEC Exceeded Analytes Not Delineated

- Dioxins were detected above the TEC at all four locations sampled (ND20-BP02, ND20-BP03, ND20-BP05 and ND20-BP07). Samples were collected in the 0 to 0.3 foot interval only. Dioxins are not laterally delineated to north or to the south of the slip.

In addition to the sediment analytical data gaps, limited geotechnical data is available to support the development of remedial alternatives and design for remediation construction. Data gaps are being assessed during the field sampling event in July 2022 and will be assessed further after the data is evaluated.

5. References

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Tables

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01	
					Sample ID	ND20-BP01-SURF_06/27/2020		ND20-BP01-0320_06/27/2020		ND20-BP01-1012_06/27/2020		ND20-BP01-1214_06/27/2020		ND20-BP01-2040_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	8200	D	10000	D	< 22		< 25		180	D
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	4600	D	5100	D	< 22		< 25		160	D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	960	D	620	J D	< 22		< 25		33	D
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	320	J D	230	J D	< 22		< 25		11	J D
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	510	J D	400	J D	< 22		< 25		52	D
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	1000	D	550	J D	< 22		< 25		140	D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	1100	D	460	J D	< 22		< 25		120	D
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	990	D	360	J D	< 22		< 25		170	D
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	730	D	< 880		< 22		< 25		76	D
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	740	D	290	J D	< 22		< 25		140	D
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	880	D	340	J D	< 22		< 25		76	D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	1200	D	< 880	U J	< 22		< 25		97	J D
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	2700	D	1900	J D	< 22		< 25		280	J D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	2000	D	1500	J D	< 22		< 25		61	J D
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	8600	D	9500	J D	< 22		< 25		210	J D
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	4800	D	3200	J D	< 22		< 25		< 24	
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	1000	D	< 880		< 22		< 25		64	J D
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	2400	D	1500	J D	< 22		< 25		190	J D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	4100	D	2500	J D	< 22		< 25		150	J D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	47000	D	49000	J D	< 22		< 25		920	J D
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	5800	D	4000	J D	< 22		< 25		220	J D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 660		< 880		< 22		< 25		27	J D
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	1900	D	< 880	U J	< 22		< 25		140	J D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	3400	D	2400	J D	< 22		< 25		74	J D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	52000	D	44000	J D	< 22		< 25		920	J D
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	4300	D	2800	J D	< 22		< 25		180	J D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 660		< 880		< 22		< 25		< 24	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	32000	D	21000	J D	< 22		< 25		710	J D
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	3300	D	2000	J D	< 22		< 25		130	J D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	1200	D	630	J D	< 22		< 25		140	D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	230	J D	< 880		< 22		< 25		28	D
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	2800	D	1000	D	< 22		< 25		230	D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	1100	D	710	J D	< 22		< 25		45	D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	530	J D	< 880		< 22		< 25		87	D
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	2400	D	1300	D	< 22		< 25		70	D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	250	J D	< 880		180	D	230	D	190	D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	3700	D	2100	D	< 22		< 25		240	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	2100	D	1200	D	< 22		< 25		270	D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	20000		9900		< 22		< 25		1900	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	200000		160000		180		230		6500	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	1530		2200		8320		9110		8200	
Antimony	SW6010	2	13.5	25	mg/kg	0.63	J *	< 5.3	J *	< 5.7	U *	< 6.6	U *	< 6.5	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	11.5	*	7.2		2.1		2.2		3.6	
Barium	SW6010	--	--	--	mg/kg	59.2		41.1		53		55.9		54.5	
Beryllium	SW6010	--	--	--	mg/kg	0.63		0.43	J	0.31	J	0.34	J	0.39	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.37	J	0.17	J	0.22	J	0.24	J	0.26	J
Calcium Metal	SW6010	--	--	--	mg/kg	1940		2270		11700		10900		8440	
Chromium	SW6010	43	76.5	110	mg/kg	5.8		7.5		20.9		22.4		20.4	
Cobalt	SW6010	--	--	--	mg/kg	3.2	J	3.2	J	6.7		7.2		6.9	
Copper	SW6010	32	91	150	mg/kg	20.7		10.4		10.6		11.1		13.3	
Iron	SW6010	20000	30000	40000	mg/kg	7560		9130		14200		14900		15500	
Lead	SW6010	36	83	130	mg/kg	71.2	*	39		4		4.1		8.2	
Magnesium	SW6010	--	--	--	mg/kg	464	J	1130		7940		7610		6110	
Manganese	SW6010	460	780	1100	mg/kg	99.2	*	101	*	244	*	259	*	319	*
Mercury	SW6010	0.18	0.64	1.1	mg/kg	0.092	J	< 0.12	J	< 0.13		< 0.14	J	< 0.12	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01	
					Sample ID	ND20-BP01-SURF_06/27/2020		ND20-BP01-0320_06/27/2020		ND20-BP01-1012_06/27/2020		ND20-BP01-1214_06/27/2020		ND20-BP01-2040_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**7.6**		**7.3**		**16.1**		**17.2**		**16.6**	
Potassium	SW6010	--	--	--	mg/kg	239	J	252	J	**929**		**996**		**922**	
Selenium	SW6010	--	--	--	mg/kg	3	J	1.6	J	< 3.3		< 3.9		< 3.8	
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.1		< 0.88		< 0.95		< 1.1		< 1.1	
Sodiium	SW6010	--	--	--	mg/kg	94.9	J	104	J	264	J	283	J	248	J
Thallium	SW6010	--	--	--	mg/kg	< 2.7	U *	< 2.2	U *	< 2.4	U *	< 2.8	U *	< 2.7	U *
Vanadium	SW6010	--	--	--	mg/kg	**8.1**		**13.8**		**30.3**		**30.6**		**29.4**	
Zinc	SW6010	120	290	460	mg/kg	**65.1**		**44.1**		**41.4**		**45.1**		**46.5**	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01	
					Sample ID	ND20-BP01-SURF_06/27/2020		ND20-BP01-0320_06/27/2020		ND20-BP01-1012_06/27/2020		ND20-BP01-1214_06/27/2020		ND20-BP01-2040_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	**< 380**		**< 510**	J	< 6.2		**< 470**	J	< 6.9	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	110	J	130	J	< 6.2		110	J	< 6.9	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	100	J	120	J	< 6.2		120	J	< 6.9	
2-Butanone	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		**7**	
2-Hexanone	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
Acetone	SW8260	--	--	--	µg/kg	< 1500		200	J	**150**		< 1900		**140**	
Benzene	SW8260	57	83.5	110	µg/kg	130	J	**< 510**		< 6.2		**< 470**		< 6.9	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
Bromoform	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
Bromomethane	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
Chlorobenzene	SW8260	--	--	--	µg/kg	30	J	< 510		< 6.2		< 470		< 6.9	
Chloroethane	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
Chloroform	SW8260	--	--	--	µg/kg	39	J	72	J	< 6.2		72	J	< 6.9	
Chloromethane	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
Cyclohexane	SW8260	--	--	--	µg/kg	120	J	< 510		< 6.2		< 470		< 6.9	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
Ethylbenzene	SW8260	--	--	--	µg/kg	160	J	40	J	< 6.2		< 470		< 6.9	
Isopropylbenzene	SW8260	--	--	--	µg/kg	100	J	42	J	< 6.2		< 470		< 6.9	
m,p-Xylene	SW8260	--	--	--	µg/kg	**560**		40	J	< 6.2		< 470		< 6.9	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	90	J	100	J	< 6.2		96	J	< 6.9	
Methyl Acetate	SW8260	--	--	--	µg/kg	160	J	< 2600		< 31		< 2300		< 35	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
Methycylohexane	SW8260	--	--	--	µg/kg	**560**		< 510		< 6.2		26	J	< 6.9	
Methylene Chloride	SW8260	--	--	--	µg/kg	< 380	J	< 510	J	1.3	J	< 470	J	2.4	J
o-Xylene	SW8260	--	--	--	µg/kg	210	J	36	J	< 6.2		< 470		< 6.9	
Styrene	SW8260	--	--	--	µg/kg	48	J	< 510		< 6.2		< 470		< 6.9	
Tetrachloroethene	SW8260	--	--	--	µg/kg	25	J	53	J	< 6.2		47	J	< 6.9	
Toluene	SW8260	890	1345	1800	µg/kg	**490**		46	J	< 6.2		38	J	< 6.9	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
Trichloroethene	SW8260	--	--	--	µg/kg	25	J	< 510		< 6.2		< 470		< 6.9	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 380		< 510		< 6.2		< 470		< 6.9	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	**770**		76	J	< 12		**< 930**		< 14	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01	
					Sample ID	ND20-BP01-SURF_06/27/2020		ND20-BP01-0320_06/27/2020		ND20-BP01-1012_06/27/2020		ND20-BP01-1214_06/27/2020		ND20-BP01-2040_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01	
					Sample ID	ND20-BP01-SURF_06/27/2020		ND20-BP01-0320_06/27/2020		ND20-BP01-1012_06/27/2020		ND20-BP01-1214_06/27/2020		ND20-BP01-2040_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	**730**		< 220		< 22		< 48		46	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 130		< 44		< 4.4		< 9.7		< 19	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 130		< 44		< 4.4		< 9.7		< 19	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	**< 630**		< 220		< 22		< 48		41	J
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 6300		< 2200		< 220		< 480		< 920	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 130		< 44		< 4.4		< 9.7		< 19	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	**11000**		**4800**		**< 4.4**		**< 9.7**		**380**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	250	J	< 220		< 22		< 48		25	J
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 3200		< 1100		< 110		< 250		< 470	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 3200		< 1100		< 110		< 250		< 470	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 3200		< 1100		< 110		< 250		< 470	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
4-Methylphenol	SW8270D	--	--	--	µg/kg	360	J	**230**		< 22		< 48		47	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 3200		< 1100		< 110		< 250		< 470	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	**1100**		**460**		**< 4.4**		**< 9.7**		**39**	
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	**< 130**		**< 44**		**< 4.4**		**< 9.7**		**27**	
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 1300		< 440		< 44		< 97		< 190	
Anthracene	SW8270D	57.2	451	845	µg/kg	**590**		**230**		< 4.4		< 9.7		**59**	
Atrazine	SW8270D	--	--	--	µg/kg	< 1300		< 440		< 44		< 97		< 190	
Benzaldehyde	SW8270D	--	--	--	µg/kg	< 1300		370	J	5.6	J	23	J	< 190	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	**1300**		**370**		< 4.4		< 9.7		**130**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	**1300**		**250**	*	< 4.4		< 9.7		**110**	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	**1300**		**290**	*	< 4.4		< 9.7		**140**	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	**1100**		**230**	*	< 4.4		< 9.7		**110**	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	**390**		**100**	*	< 4.4		< 9.7		**50**	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	**1000**		**240**	*	< 22		< 48		85	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 130		< 44		< 4.4		< 9.7		< 19	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 6300		< 2200		< 220		< 480		< 920	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
Caprolactam	SW8270D	--	--	--	µg/kg	< 3200		< 1100		< 110		< 250		< 470	
Carbazole	SW8270D	--	--	--	µg/kg	**190**		< 44		< 4.4		< 9.7		**24**	
Chrysene	SW8270D	166	728	1290	µg/kg	**1500**		**470**		< 4.4		< 9.7		**140**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	**330**		**90**	*	< 4.4		< 9.7		**41**	
Dibenzofuran	SW8270D	150	365	580	µg/kg	**1300**		**530**		< 22		< 48		90	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	**< 630**		< 220		< 22		< 48	J	< 92	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	**< 630**		< 220		< 22		< 48		< 92	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 630		< 220		< 22		1.2	J	< 92	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	**< 630**		< 220	U *	< 22		< 48		< 92	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**2400**		**880**		< 4.4		0.9	J	**260**	
Fluorene	SW8270D	77.4	307	536	µg/kg	**1600**		**620**		< 4.4		< 9.7		**72**	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 130		< 44		< 4.4		< 9.7		< 19	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 130		< 44		< 4.4		< 9.7		< 19	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	**740**		**140**	*	< 4.4		< 9.7		**88**	
Isophorone	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
Naphthalene	SW8270D	176	369	561	µg/kg	**5300**		**1700**		< 4.4		< 9.7		**200**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01	
					Sample ID	ND20-BP01-SURF_06/27/2020		ND20-BP01-0320_06/27/2020		ND20-BP01-1012_06/27/2020		ND20-BP01-1214_06/27/2020		ND20-BP01-2040_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 1300		< 440		< 44		< 97		< 190	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 130		< 44		< 4.4		< 9.7		< 19	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 630		< 220		< 22		< 48		< 92	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 3200		< 1100		< 110		< 250		< 470	
Phenanthrene	SW8270D	204	687	1170	µg/kg	4100		1600		< 4.4		0.93	J	330	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 630		< 220		< 22		< 48		< 92	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 3200		< 1100		< 110		< 250		< 470	
Pyrene	SW8270D	195	858	1520	µg/kg	2700		880		< 4.4		< 9.7		260	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01	
					Sample ID	ND20-BP01-SURF_06/27/2020		ND20-BP01-0320_06/27/2020		ND20-BP01-1012_06/27/2020		ND20-BP01-1214_06/27/2020		ND20-BP01-2040_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP01	
						Sample ID	ND20-BP01-SURF_06/27/2020		ND20-BP01-0320_06/27/2020		ND20-BP01-1012_06/27/2020		ND20-BP01-1214_06/27/2020		ND20-BP01-2040_06/27/2020	
						Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
						Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
						Sample type	N		N		N		N		N	
Pesticides							--		--		--		--		--	
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g		-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g		-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
Other																
Acid volatile sulfides	SW6010	--	--	--	mg/kg		-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg		-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg		-		-		-		-		-	
Moisture	D2216	--	--	--	%		-		-		-		-		-	
Moisture	SM2540	--	--	--	%		-		**31**		**33**		**45**		**40**	
Total Organic Carbon	SW9060	--	--	--	mg/kg		-		**385000**		**38200**		**27000**		**51500**	
Total Organic Carbon	TOC	--	--	--	mg/kg		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP02		ND20-BP02	
						Sample ID	ND20-BP01-4060_06/27/2020		ND20-BP01-6080_06/27/2020		ND20-BP01-8010_06/27/2020		ND20-BP02-SURF_06/27/2020		ND20-BP02-0320_06/27/2020	
						Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
						Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0.3 - 2	
						Sample type	N		N		N		N		N	
Polycyclic Aromatic Hydrocarbons (PAHs)																
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg		**6.5**	J D	**3.4**	J D	**1.8**	J	**6000**	D	**3300**	D B
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg		**4.9**	J D	**2.3**	J D	**1.5**	J	**4100**	D	**1600**	D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg		**< 18**		**< 9.9**		< 4.4		**1300**	D	**1000**	D
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg		**< 18**		**< 9.9**		< 4.4		**400**	J D	**190**	J D
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg		< 18		< 9.9		< 4.4		**350**	J D	**280**	J D
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg		**4.4**	J D	< 9.9		< 4.4		**1200**	D	**340**	J D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg		**4.1**	J D	< 9.9		< 4.4		**1000**	D	**260**	J D
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg		< 18		< 9.9		< 4.4		**880**	D	**230**	J D
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg		< 18		< 9.9		< 4.4		**780**	D	**260**	J D
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg		< 18		< 9.9		< 4.4		**890**	D	**170**	J D
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg		< 18		< 9.9		< 4.4		**1200**	D	**330**	J D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 18		< 9.9		< 4.4		**2100**	J D	**730**	J D
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg		**18**	J D	< 9.9		**5.2**	J	**5600**	J D	**2600**	J D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 18		< 9.9		< 4.4		**4400**	J D	**2800**	J D
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 18		< 9.9		< 4.4		**7100**	J D	**3300**	J D
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 18		< 9.9		< 4.4		**8200**	J D	**6000**	J D
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 18		< 9.9		< 4.4		**2000**	J D	**710**	J D
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 18		< 9.9		< 4.4		**4100**	J D	**2000**	J D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 18		< 9.9		< 4.4		**6900**	J D	**4500**	J D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		**38**	J D	**21**	J D	**13**	J	**58000**	J D	**31000**	J D B
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 18		< 9.9		< 4.4		**9100**	J D	**5900**	J D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 18		< 9.9		< 4.4		**2500**	J D	**780**	J D
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 18		< 9.9		< 4.4		< 410		**1900**	J D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 18		< 9.9		< 4.4		**6000**	J D	**3500**	J D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		**34**	J D	**17**	J D	**11**	J	**88000**	J D	**51000**	J D B
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 18		< 9.9		< 4.4		**6500**	J D	**4300**	J D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 18		< 9.9		< 4.4		**1200**	J D	< 410	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 18		**10**	J D	**6.6**	J	**57000**	J D	**35000**	J D B
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		**18**	J D	< 9.9		< 4.4		**4000**	J D	**2100**	J D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg		4	J D	< 9.9		< 4.4		**1700**	D	**500**	D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg		< 18		< 9.9		< 4.4		240	J D	47	J D
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg		7.7	J D	< 9.9		0.98	J	**3000**	D	**640**	D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg		< 18		< 9.9		< 4.4		**1500**	D	**880**	D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg		< 18		< 9.9		< 4.4		**470**	D	110	J D
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg		4.1	J D	1.4	J D	1.2	J	**2000**	D	**730**	D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg		**160**	D	**210**	D	**160**	D	200	J D	< 410	
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg		7.9	J D	1.7	J D	0.96	J	**4100**	D	**2700**	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg		11	J D	1.5	J D	1	J	**2600**	D	**880**	D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg		**43**		4.6	J	4.1	J	**22000**		**9200**	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg		**310**		**230**		**200**		**300000**		**170000**	B
Metals																
Aluminium	SW6010	--	--	--	mg/kg		**8560**		**6380**		**8550**		**2090**		**1970**	
Antimony	SW6010	2	13.5	25	mg/kg		**< 5.5**	U *	**< 7**	U *	**< 6.6**	U *	0.8	J *	0.65	J *
Arsenic	SW6010	9.8	21.4	33	mg/kg		**2.5**		**2.1**		**2.4**		**11.4**	*	**6.6**	*
Barium	SW6010	--	--	--	mg/kg		**51.1**		**38.5**		**52.5**		**61.1**		**29.1**	
Beryllium	SW6010	--	--	--	mg/kg		0.35	J	0.24	J	0.31	J	**1.2**		0.27	J
Cadmium	SW6010	0.99	3	5	mg/kg		0.23	J	0.19	J	0.23	J	**0.66**		**1**	
Calcium Metal	SW6010	--	--	--	mg/kg		**8400**		**6460**		**9920**		**2670**		**2500**	
Chromium	SW6010	43	76.5	110	mg/kg		**20.4**		**16.5**		**22.1**		**9.5**		**9.9**	
Cobalt	SW6010	--	--	--	mg/kg		**7**		5.5	J	**6.9**		3.8	J	2.6	J
Copper	SW6010	32	91	150	mg/kg		**13**		**8.9**		**10.7**		**28.6**	*	**42.4**	*
Iron	SW6010	20000	30000	40000	mg/kg		**14400**		**11300**		**14700**		**13200**		**14000**	
Lead	SW6010	36	83	130	mg/kg		**5.2**		**3**		**3.9**		**67.7**	*	**61.5**	*
Magnesium	SW6010	--	--	--	mg/kg		**6060**		**4410**		**6910**		**841**		**1120**	
Manganese	SW6010	460	780	1100	mg/kg		**269**	*	**192**	*	**252**	*	**167**		**173**	
Mercury	SW6010	0.18	0.64	1.1	mg/kg		< 0.12		< 0.13	J	< 0.13		< 0.11	J	< 0.1	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP01-4060_06/27/2020		ND20-BP01-6080_06/27/2020		ND20-BP01-8010_06/27/2020		ND20-BP02-SURF_06/27/2020		ND20-BP02-0320_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**16.4**		**12.2**		**16.1**		**10.3**		**6.4**	
Potassium	SW6010	--	--	--	mg/kg	**927**		**639**		**911**		237	J	276	J
Selenium	SW6010	--	--	--	mg/kg	0.51	J	< 4.1		< 3.8		2.4	J	1.2	J
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 0.92		< 1.2		< 1.1		< 1.1		0.13	J
Sodiium	SW6010	--	--	--	mg/kg	256	J	229	J	264	J	147	J	129	J
Thallium	SW6010	--	--	--	mg/kg	< 2.3	U *	< 2.9	U *	< 2.7	U *	< 2.8	U *	< 2.8	U *
Vanadium	SW6010	--	--	--	mg/kg	**31.1**		**25.6**		**31.4**		**12.5**	*	**12.6**	*
Zinc	SW6010	120	290	460	mg/kg	**41.1**		**33.9**		**44.3**		**112**		**196**	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP01-4060_06/27/2020		ND20-BP01-6080_06/27/2020		ND20-BP01-8010_06/27/2020		ND20-BP02-SURF_06/27/2020		ND20-BP02-0320_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	**< 440**		< 6.8		< 7.1		< 6.3		**< 320**	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	130	J	< 6.8		< 7.1		< 6.3		92	J
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	120	J	< 6.8		< 7.1		< 6.3		87	J
2-Butanone	SW8260	--	--	--	µg/kg	< 440		4.9	J	**7.1**		< 6.3		< 320	
2-Hexanone	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Acetone	SW8260	--	--	--	µg/kg	< 1800		**79**		**91**		**64**		< 1300	
Benzene	SW8260	57	83.5	110	µg/kg	46	J	< 6.8		< 7.1		< 6.3		250	J
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Bromoform	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Bromomethane	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		20	J
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Chloroethane	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Chloroform	SW8260	--	--	--	µg/kg	60	J	< 6.8		< 7.1		< 6.3		< 320	
Chloromethane	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Cyclohexane	SW8260	--	--	--	µg/kg	80	J	< 6.8		< 7.1		2	J	71	J
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Ethylbenzene	SW8260	--	--	--	µg/kg	71	J	< 6.8		< 7.1		< 6.3		**320**	
Isopropylbenzene	SW8260	--	--	--	µg/kg	88	J	< 6.8		< 7.1		2.1	J	140	J
m,p-Xylene	SW8260	--	--	--	µg/kg	170	J	< 6.8		< 7.1		< 6.3		**520**	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	96	J	< 6.8		< 7.1		< 6.3		76	J
Methyl Acetate	SW8260	--	--	--	µg/kg	< 2200		< 34		< 36		< 32		< 1600	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Methycylohexane	SW8260	--	--	--	µg/kg	220	J	< 6.8		< 7.1		**42**		**660**	
Methylene Chloride	SW8260	--	--	--	µg/kg	< 440	J	**7.4**		0.79	J	3.6	J	< 320	J
o-Xylene	SW8260	--	--	--	µg/kg	120	J	< 6.8		< 7.1		< 6.3		190	J
Styrene	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Tetrachloroethene	SW8260	--	--	--	µg/kg	53	J	< 6.8		< 7.1		< 6.3		< 320	
Toluene	SW8260	890	1345	1800	µg/kg	420	J	< 6.8		< 7.1		< 6.3		**340**	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Trichloroethene	SW8260	--	--	--	µg/kg	26	J	< 6.8		< 7.1		< 6.3		16	J
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 440		< 6.8		< 7.1		< 6.3		< 320	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	290	J	< 14		< 14		< 13		**710**	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP01-4060_06/27/2020		ND20-BP01-6080_06/27/2020		ND20-BP01-8010_06/27/2020		ND20-BP02-SURF_06/27/2020		ND20-BP02-0320_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP01-4060_06/27/2020		ND20-BP01-6080_06/27/2020		ND20-BP01-8010_06/27/2020		ND20-BP02-SURF_06/27/2020		ND20-BP02-0320_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	1.6	J	< 24		0.71	J	720	J	< 800	
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 4.6		< 4.9		< 9		< 170		< 160	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 4.6		< 4.9		< 9		< 170		< 160	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	3.5	J	< 24		< 44		**< 830**		**< 800**	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 220		< 240		< 440		< 8300		< 8000	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 4.6		< 4.9		< 9		< 170		< 160	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	**6.1**		2.5	J	1.5	J	**8600**		**2000**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	2	J	< 24		< 44		< 830		200	J
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 120		< 120		< 230		< 4300		< 4100	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 120		< 120		< 230		< 4300		< 4100	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 120		< 120		< 230		< 4300		< 4100	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
4-Methylphenol	SW8270D	--	--	--	µg/kg	4.8	J	< 24		< 44		< 830		400	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 120		< 120		< 230		< 4300		< 4100	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	**< 4.6**		**< 4.9**		**< 9**		**930**		**390**	
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	1.4	J	< 4.9		**< 9**		**< 170**		**< 160**	
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 46		< 49		< 90		< 1700		< 1600	
Anthracene	SW8270D	57.2	451	845	µg/kg	2.3	J	< 4.9		< 9		**470**		**240**	
Atrazine	SW8270D	--	--	--	µg/kg	< 46		< 49		< 90		< 1700		< 1600	
Benzaldehyde	SW8270D	--	--	--	µg/kg	9	J	7	J	13	J	< 1700		< 1600	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	3.7	J	< 4.9		< 9		**1100**		**250**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	3.1	J	< 4.9		< 9		**800**		**200**	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	3.5	J	< 4.9		< 9		**740**		**180**	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	3.8	J	< 4.9		< 9		**780**		**220**	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	1.3	J	< 4.9		< 9		**210**		68	J
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	2.4	J	< 24		< 44		**1000**		240	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 4.6		< 4.9		< 9		< 170		< 160	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 220		< 240		< 440		< 8300		< 8000	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
Caprolactam	SW8270D	--	--	--	µg/kg	< 120		< 120		< 230		< 4300		< 4100	
Carbazole	SW8270D	--	--	--	µg/kg	< 4.6		< 4.9		< 9		< 170		< 160	
Chrysene	SW8270D	166	728	1290	µg/kg	3.3	J	< 4.9		< 9		**1500**		**380**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	< 4.6		< 4.9		< 9		**310**		**170**	
Dibenzofuran	SW8270D	150	365	580	µg/kg	2.5	J	< 24		< 44		**1200**		430	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	< 22		< 24		< 44		**< 830**		**< 800**	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 22		< 24		< 44		**< 830**		**< 800**	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 22		< 24		< 44		< 830		< 800	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 22		< 24		< 44		**< 830**		**< 800**	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**7.9**		1	J	< 9		**1700**		**450**	
Fluorene	SW8270D	77.4	307	536	µg/kg	2.1	J	< 4.9		< 9		**1500**		**540**	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 4.6		< 4.9		< 9		< 170		< 160	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 4.6		< 4.9		< 9		< 170		< 160	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	3	J	< 4.9		< 9		**320**		120	J
Isophorone	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
Naphthalene	SW8270D	176	369	561	µg/kg	**5.7**		1.3	J	1	J	**5000**		**1100**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP01-4060_06/27/2020		ND20-BP01-6080_06/27/2020		ND20-BP01-8010_06/27/2020		ND20-BP02-SURF_06/27/2020		ND20-BP02-0320_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 45		< 49		< 90		< 1700		< 1600	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 4.6		< 4.9		< 9		< 170		< 160	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 22		< 24		< 44		< 830		< 800	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 120		< 120		**< 230**		**< 4300**		**< 4100**	
Phenanthrene	SW8270D	204	687	1170	µg/kg	**8.1**		1.6	J	< 9		**3900**		**1800**	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 22		< 24		< 44		< 830		150	J
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 120		< 120		< 230		< 4300		< 4100	
Pyrene	SW8270D	195	858	1520	µg/kg	**8.2**		< 4.9		< 9		**2400**		**730**	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP01-4060_06/27/2020		ND20-BP01-6080_06/27/2020		ND20-BP01-8010_06/27/2020		ND20-BP02-SURF_06/27/2020		ND20-BP02-0320_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		< 41		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		< 41		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		< 41		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		< 41		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		< 41		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		25	J	-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		< 41		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		< 41		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		< 41		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		25		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP01		ND20-BP01		ND20-BP01		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP01-4060_06/27/2020		ND20-BP01-6080_06/27/2020		ND20-BP01-8010_06/27/2020		ND20-BP02-SURF_06/27/2020		ND20-BP02-0320_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**37**		**46**		**35**		**26**		**21**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**13200**		**9370**		**12500**		**523000**		**152000**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP02-1012_06/27/2020		ND20-BP02-1214_06/27/2020		ND20-BP02-2040_06/27/2020		ND20-BP02-4060_06/27/2020		ND20-BP02-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		50000	D B	3500	D	-	
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	-		-		16000	D	1700	D	-	
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	-		-		2800	D	220	J D	-	
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	-		-		1100	D	91	J D	-	
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	-		-		180	J D	130	J D	-	
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	-		-		490	D	160	J D	-	
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	-		-		290	J D	86	J D	-	
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	-		-		410	J D	110	J D	-	
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	-		-		230	J D	< 260		-	
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	-		-		270	J D	94	J D	-	
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	-		-		450	J D	85	J D	-	
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		1200	J D	< 260		-	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		3400	J D	440	J D	-	
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		4100	J D	< 260		-	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		40000	J D	3500	J D	-	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		6000	J D	670	J D	-	
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		1500	J D	< 260		-	
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		2600	J D	340	J D	-	
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		4500	J D	400	J D	-	
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		270000	J D	22000	J D	-	
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		7400	J D	800	J D	-	
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		1300	J D	< 260		-	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		2500	J D	260	D	-	
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		4100	J D	390	J D	-	
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		190000	J D	13000	J D	-	
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		5800	J D	680	J D	-	
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		< 470		< 260		-	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		70000	J D	4600	J D	-	
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		4600	J D	620	D	-	
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	-		-		880	D	200	J D	-	
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	-		-		71	J D	< 260		-	
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	-		-		1200	D	800	D	-	
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	-		-		2400	D	180	J D	-	
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	-		-		160	J D	52	J D	-	
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	-		-		2300	D	310	D	-	
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		< 470		120	J D	-	
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	-		-		3300	D	820	D	-	
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	-		-		1000	D	460	D	-	
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		17000		3700		-	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	-		-		640000		52000		-	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	7150		7020		2290		6880		9930	
Antimony	SW6010	2	13.5	25	mg/kg	< 6.6	U *	< 7.2	U *	< 6.3	U *	< 7.3	U *	< 7.3	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	2	*	2	*	7.8	*	4.8	*	3	*
Barium	SW6010	--	--	--	mg/kg	42.3		42.7		65.1		62.2		60.8	
Beryllium	SW6010	--	--	--	mg/kg	0.18	J	0.18	J	0.78		0.47	J	0.3	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.22	J	0.21	J	0.27	J	0.28	J	0.25	J
Calcium Metal	SW6010	--	--	--	mg/kg	9680		7270		2420		7730		8730	
Chromium	SW6010	43	76.5	110	mg/kg	17.6		17.6		8.4		17.9		23	
Cobalt	SW6010	--	--	--	mg/kg	5.6		5.7	J	4.5	J	6.7		7.7	
Copper	SW6010	32	91	150	mg/kg	8.7	*	8.8	*	16.6	*	16	*	13.7	*
Iron	SW6010	20000	30000	40000	mg/kg	12100		11800		7830		13600		16500	
Lead	SW6010	36	83	130	mg/kg	3.3	*	3	*	44.9	*	16.3	*	6.7	*
Magnesium	SW6010	--	--	--	mg/kg	6460		5140		1090		5120		6580	
Manganese	SW6010	460	780	1100	mg/kg	195		181		137		309		317	
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.13		< 0.13		< 0.13		< 0.13		< 0.13	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP02-1012_06/27/2020		ND20-BP02-1214_06/27/2020		ND20-BP02-2040_06/27/2020		ND20-BP02-4060_06/27/2020		ND20-BP02-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**13.1**		**13.2**		**9.4**		**15.3**		**18.1**	
Potassium	SW6010	--	--	--	mg/kg	**761**		**734**		208	J	**764**		**1120**	
Selenium	SW6010	--	--	--	mg/kg	< 3.8		< 4.2		2.2	J	1	J	0.67	J
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.1		< 1.2		**< 1.1**		< 1.2		< 1.2	
Sodiium	SW6010	--	--	--	mg/kg	265	J	258	J	131	J	273	J	316	J
Thallium	SW6010	--	--	--	mg/kg	< 2.7	U *	< 3	U *	< 2.6	U *	< 3	U *	< 3.1	U *
Vanadium	SW6010	--	--	--	mg/kg	**27.8**	*	**26.1**	*	**11**	*	**26.5**	*	**33.6**	*
Zinc	SW6010	120	290	460	mg/kg	**35.6**		**34.6**		**52.6**		**50.4**		**46.8**	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP02-1012_06/27/2020		ND20-BP02-1214_06/27/2020		ND20-BP02-2040_06/27/2020		ND20-BP02-4060_06/27/2020		ND20-BP02-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 6.1		**< 340**	J	< 6.8		< 7.5		< 6.7	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 6.1		98	J	< 6.8		< 7.5		< 6.7	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 6.1		98	J	< 6.8		< 7.5		< 6.7	
2-Butanone	SW8260	--	--	--	µg/kg	2.8	J	< 340		3.2	J	6.1	J	3.2	J
2-Hexanone	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Acetone	SW8260	--	--	--	µg/kg	**71**		< 1400		**130**		**130**		**50**	
Benzene	SW8260	57	83.5	110	µg/kg	< 6.1		17	J	< 6.8		< 7.5		< 6.7	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Bromoform	SW8260	--	--	--	µg/kg	< 6.1		49	J	< 6.8		< 7.5		< 6.7	
Bromomethane	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Chloroethane	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Chloroform	SW8260	--	--	--	µg/kg	< 6.1		69	J	< 6.8		< 7.5		< 6.7	
Chloromethane	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Cyclohexane	SW8260	--	--	--	µg/kg	< 6.1		< 340		**31**		< 7.5		< 6.7	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 6.1		30	J	< 6.8		< 7.5		< 6.7	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 6.1		34	J	**11**		< 7.5		< 6.7	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 6.1		25	J	< 6.8		< 7.5		< 6.7	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 6.1		81	J	< 6.8		< 7.5		< 6.7	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 31		< 1700		< 34		< 38		< 33	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Methycylohexane	SW8260	--	--	--	µg/kg	0.43	J	< 340		**110**		0.7	J	< 6.7	
Methylene Chloride	SW8260	--	--	--	µg/kg	**10**		< 340	J	1.4	J	5.7	J	0.36	J
o-Xylene	SW8260	--	--	--	µg/kg	< 6.1		24	J	< 6.8		< 7.5		< 6.7	
Styrene	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 6.1		27	J	< 6.8		< 7.5		< 6.7	
Toluene	SW8260	890	1345	1800	µg/kg	< 6.1		28	J	< 6.8		< 7.5		< 6.7	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Trichloroethene	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 6.1		< 340		< 6.8		< 7.5		< 6.7	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 12		**49**	J	< 14		< 15		< 13	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP02-1012_06/27/2020		ND20-BP02-1214_06/27/2020		ND20-BP02-2040_06/27/2020		ND20-BP02-4060_06/27/2020		ND20-BP02-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP02-1012_06/27/2020		ND20-BP02-1214_06/27/2020		ND20-BP02-2040_06/27/2020		ND20-BP02-4060_06/27/2020		ND20-BP02-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		**110**		3.4	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 9.1		< 9.8		< 190		< 21		< 9.2	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 9.1		< 9.8		< 190		< 21		< 9.2	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	< 45		< 48		**< 920**		< 100		< 46	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 450		< 480		< 9200		< 1000		< 460	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 9.1		< 9.8		< 190		< 21		< 9.2	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	4.2	J	2.4	J	**17000**		**1500**		**34**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	< 45		< 48		< 920		23	J	1.9	J
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 230		< 250		< 4700		< 530		< 230	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 230		< 250		< 4700		< 530		< 230	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 230		< 250		< 4700		< 530		< 230	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
4-Methylphenol	SW8270D	--	--	--	µg/kg	< 45		< 48		360	J	48	J	3.9	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 230		< 250		< 4700		< 530		< 230	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	**< 9.1**		**< 9.8**		**< 190**		**110**		4.1	J
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	**< 9.1**		**< 9.8**		**< 190**		**< 21**		2.4	J
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 91		< 98		< 1900		< 210		< 92	
Anthracene	SW8270D	57.2	451	845	µg/kg	< 9.1		< 9.8		**230**		**79**		4.5	J
Atrazine	SW8270D	--	--	--	µg/kg	< 91		< 98		< 1900		< 210		< 92	
Benzaldehyde	SW8270D	--	--	--	µg/kg	10	J	13	J	< 1900		< 210		14	J
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	< 9.1		2.2	J	**450**		**160**		6.9	J
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	< 9.1		< 9.8		**280**		**130**		6.3	J
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	< 9.1		< 9.8		**390**		**160**		8.3	J
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	< 9.1		< 9.8		**220**		**110**		7.7	J
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	< 9.1		< 9.8		140	J	**56**		2.3	J
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	< 45		< 48		350	J	97	J	5	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 9.1		< 9.8		< 190		< 21		< 9.2	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	6.5	J	7.1	J	< 9200		< 1000		< 460	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	5.3	J	< 48		< 920		< 100		< 46	
Caprolactam	SW8270D	--	--	--	µg/kg	< 230		< 250		< 4700		< 530		< 230	
Carbazole	SW8270D	--	--	--	µg/kg	< 9.1		< 9.8		< 190		< 21		1.1	J
Chrysene	SW8270D	166	728	1290	µg/kg	< 9.1		1.4	J	**750**		**180**		8.5	J
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	< 9.1		< 9.8		**< 190**		**45**		< 9.2	
Dibenzofuran	SW8270D	150	365	580	µg/kg	< 45		< 48		**< 920**		**120**		4.7	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	1.7	J	< 48		**< 920**		< 100		< 46	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 45		< 48		**< 920**		< 100		< 46	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 45		< 48		< 920		< 100		< 46	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 45		< 48		**< 920**		< 100		< 46	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	1.8	J	4.3	J	**780**		**390**		**22**	
Fluorene	SW8270D	77.4	307	536	µg/kg	1.1	J	< 9.8		**2100**		**110**		4.6	J
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 9.1		< 9.8		< 190		< 21		< 9.2	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 9.1		< 9.8		< 190		< 21		< 9.2	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	< 9.1		< 9.8		160	J	**93**		4.5	J
Isophorone	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
Naphthalene	SW8270D	176	369	561	µg/kg	2	J	1.2	J	**3600**		**260**		**11**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP02-1012_06/27/2020		ND20-BP02-1214_06/27/2020		ND20-BP02-2040_06/27/2020		ND20-BP02-4060_06/27/2020		ND20-BP02-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 91		< 98		< 1800		< 210		< 92	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 9.1		< 9.8		< 190		< 21		< 9.2	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 45		< 48		< 920		< 100		< 46	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 230		< 250		< 4700		< 530		< 230	
Phenanthrene	SW8270D	204	687	1170	µg/kg	2.6	J	2.2	J	2600		450		22	
Phenol	SW8270D	4200	8100	12000	µg/kg	21	J	< 48		< 920		< 100		< 46	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 230		< 250		< 4700		< 530		< 230	
Pyrene	SW8270D	195	858	1520	µg/kg	< 9.1		3.9	J	950		360		23	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP02-1012_06/27/2020		ND20-BP02-1214_06/27/2020		ND20-BP02-2040_06/27/2020		ND20-BP02-4060_06/27/2020		ND20-BP02-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02		ND20-BP02	
					Sample ID	ND20-BP02-1012_06/27/2020		ND20-BP02-1214_06/27/2020		ND20-BP02-2040_06/27/2020		ND20-BP02-4060_06/27/2020		ND20-BP02-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**36**		**47**		**39**		**57**		**39**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**10100**		**8560**		**219000**	N	**87200**		**15200**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP02-8010_06/27/2020		ND20-BP02-SURFTOX_07/02/2020		ND20-BP03-SURF_06/26/2020		ND20-BP03-0320_06/26/2020		ND20-BP03-1012_06/26/2020	
					Date	06-27-2020		07-02-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	-		1300	D	33000	D	31000	D B	34000	B D
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	-		2600	D	14000	D	6700	D	13000	D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	-		55	J D	< 490		4600	D	< 3500	
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	-		56	J D	1400	D	1200	J D	730	J D
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	-		150	D	2900	D	2100	J D	< 3500	
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	-		670	D	4500	D	1200	J D	970	J D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	-		620	D	4800	D	1000	J D	< 3500	
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	-		560	D	2800	D	< 2500		< 3500	
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	-		330	D	3500	D	780	J D	< 3500	
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	-		510	D	940	D	< 2500		< 3500	
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	-		500	D	6600	D	1200	J D	990	J D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		700	J D	18000	J D	3900	J D	< 3500	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		1400	J D	20000	J D	9000	J D	5500	J D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		300	J D	30000	J D	23000	J D	4600	J D
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		2300	J D	32000	J D	24000	J D	30000	J D
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		1500	J D	67000	J D	38000	J D	7000	J D
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		440	J D	18000	J D	4600	J D	< 3500	
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		1300	J D	22000	J D	9100	J D	3500	D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		600	J D	51000	J D	32000	J D	6000	J D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		5100	J D	290000	J D	240000	J D B	130000	J B D
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		1400	J D	60000	J D	33000	J D	8300	J D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		260	J D	9400	J D	< 2500		< 3500	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		790	J D	16000	J D	8600	J D	3600	J D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		660	J D	32000	J D	23000	J D	6200	J D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		4300	J D	440000	J D	350000	J D B	140000	J B D
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		900	J D	28000	J D	17000	J D	6500	J D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		130	J D	4600	J D	< 2500		< 3500	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		2800	J D	290000	J D	220000	J D B	75000	J B D
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		730	J D	11000	J D	7700	J D	5400	J D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	-		710	D	7300	D	2000	J D	1400	J D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	-		140	D	1000	D	< 2500		< 3500	
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	-		1400	D	3300	D	2000	J D	2900	J D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	-		160	D	< 490		6700	D	2700	J D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	-		300	D	1200	D	< 2500		< 3500	
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	-		1200	D	2500	D	1100	J D	3600	D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	-		120	J D	600	D	< 2500		< 3500	
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	-		1200	D	25000	D	18000	D	4600	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	-		1100	D	8300	D	3900	D	2500	J D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	-		9200		73000		45000		19000	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	-		35000		1500000		1100000	B	450000	B
Metals															
Aluminium	SW6010	--	--	--	mg/kg	6770		2230		1450		1640		6170	
Antimony	SW6010	2	13.5	25	mg/kg	< 7.4	U *	< 9.2	U *	0.58	J *	< 7.2	U *	1.9	J *
Arsenic	SW6010	9.8	21.4	33	mg/kg	2.1	*	4.7		8	*	8.1	*	51.8	*
Barium	SW6010	--	--	--	mg/kg	39.3		82		108		120		126	
Beryllium	SW6010	--	--	--	mg/kg	0.17	J	0.63	J	0.61		0.62		1.2	
Cadmium	SW6010	0.99	3	5	mg/kg	0.22	J	0.25	J	0.3	J	0.32	J	1	
Calcium Metal	SW6010	--	--	--	mg/kg	7350		3340		1620		1810		5380	
Chromium	SW6010	43	76.5	110	mg/kg	17		12.7		11.2		7.9		13.2	
Cobalt	SW6010	--	--	--	mg/kg	5.6	J	4.4	J	4.5	J	5.7	J	6.9	J
Copper	SW6010	32	91	150	mg/kg	8.4	*	16.9		65.1		25	*	43.1	*
Iron	SW6010	20000	30000	40000	mg/kg	11600		7520		6330		6600		30000	
Lead	SW6010	36	83	130	mg/kg	3.2	*	34.8		219	*	75.8	*	169	*
Magnesium	SW6010	--	--	--	mg/kg	4950		1260		562	J	625		1690	
Manganese	SW6010	460	780	1100	mg/kg	199		169		47.8	*	60.9		215	
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.13		< 0.21		< 0.13	J	0.034	J	0.16	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP02-8010_06/27/2020		ND20-BP02-SURFTOX_07/02/2020		ND20-BP03-SURF_06/26/2020		ND20-BP03-0320_06/26/2020		ND20-BP03-1012_06/26/2020	
					Date	06-27-2020		07-02-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**12.5**		**9.7**		**16.9**		**12.4**		**16.2**	
Potassium	SW6010	--	--	--	mg/kg	**684**		**324**	J	**217**	J	291	J	489	J
Selenium	SW6010	--	--	--	mg/kg	< 4.3		**2.1**	J	**2.1**	J	2.4	J	4.3	J
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.2		< 1.5		< 1.2		< 1.2		**< 1.7**	
Sodiium	SW6010	--	--	--	mg/kg	**257**	J	**155**	J	**68.1**	J	64.5	J	166	J
Thallium	SW6010	--	--	--	mg/kg	< 3.1	U *	< 3.8	U *	< 3	U *	< 3	U *	< 4.4	U *
Vanadium	SW6010	--	--	--	mg/kg	**25.6**	*	**15**		**28.8**		**13.4**	*	**18.7**	*
Zinc	SW6010	120	290	460	mg/kg	**34.6**		**48.4**		**57.6**		**52.4**		**169**	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP02-8010_06/27/2020		ND20-BP02-SURFTOX_07/02/2020		ND20-BP03-SURF_06/26/2020		ND20-BP03-0320_06/26/2020		ND20-BP03-1012_06/26/2020	
					Date	06-27-2020		07-02-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 6.7		**< 10**		**< 390**	J	**< 400**		**< 750**	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 6.7		< 10		110	J	**< 400**		**< 750**	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 6.7		< 10		6.9	J	< 400		< 750	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 6.7		< 10		120	J	**< 400**		**< 750**	
2-Butanone	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
2-Hexanone	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
Acetone	SW8260	--	--	--	µg/kg	**48**		30	J	< 1600		160	J	300	J
Benzene	SW8260	57	83.5	110	µg/kg	< 6.7		< 10		19	J	46	J	79	J
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
Bromoform	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
Bromomethane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 6.7		< 10		27	J	< 400		< 750	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 6.7		< 10		32	J	< 400		< 750	
Chloroethane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
Chloroform	SW8260	--	--	--	µg/kg	< 6.7		< 10		56	J	< 400	J	< 750	J
Chloromethane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.7		< 10		24	J	< 400		< 750	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
Cyclohexane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		340	J
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 6.7		< 10		29	J	60	J	140	J
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 6.7		< 10		36	J	66	J	630	J
m,p-Xylene	SW8260	--	--	--	µg/kg	< 6.7		< 10		30	J	130	J	360	J
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 6.7		< 10		95	J	< 400		< 750	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 34		< 50		< 2000		< 2000		< 3800	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
Methycylohexane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		**680**		**2000**	
Methylene Chloride	SW8260	--	--	--	µg/kg	**15**		< 10		< 390	J	120	J	250	J
o-Xylene	SW8260	--	--	--	µg/kg	< 6.7		< 10		33	J	58	J	100	J
Styrene	SW8260	--	--	--	µg/kg	< 6.7		< 10		53	J	< 400		< 750	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 6.7		< 10		31	J	< 400		< 750	
Toluene	SW8260	890	1345	1800	µg/kg	< 6.7		< 10		35	J	160	J	220	J
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
Trichloroethene	SW8260	--	--	--	µg/kg	< 6.7		< 10		20	J	< 400		< 750	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 6.7		< 10		< 390		< 400		< 750	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 13		< 20		63	J	190	J	460	J
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP02-8010_06/27/2020		ND20-BP02-SURFTOX_07/02/2020		ND20-BP03-SURF_06/26/2020		ND20-BP03-0320_06/26/2020		ND20-BP03-1012_06/26/2020	
					Date	06-27-2020		07-02-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP02-8010_06/27/2020		ND20-BP02-SURFTOX_07/02/2020		ND20-BP03-SURF_06/26/2020		ND20-BP03-0320_06/26/2020		ND20-BP03-1012_06/26/2020	
					Date	06-27-2020		07-02-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	4.2	J	420	J	< 2300		< 1800		2000	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 9		< 170		< 470		< 370		< 540	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 9		< 170		< 470		< 370		< 540	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	< 44		160	J	< 2300		< 1800		< 2700	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 440		< 8500		< 23000		< 18000		< 27000	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 9		< 170		< 470		< 370		< 540	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	47		4400		11000		12000		42000	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	< 44		120	J	< 2300		< 1800		< 2700	
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 230		< 4400		< 12000		< 9400		< 14000	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 230		< 4400		< 12000		< 9400		1600	J
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 230		< 4400		< 12000		< 9400		< 14000	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
4-Methylphenol	SW8270D	--	--	--	µg/kg	< 44		240	J	< 2300		< 1800		< 2700	
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 230		< 4400		< 12000		< 9400		< 14000	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	< 9		460		2700		3500		3400	
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	< 9		230		< 470		< 370		< 540	
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 90		< 1700		< 4700		< 3700		< 5400	
Anthracene	SW8270D	57.2	451	845	µg/kg	< 9		760		840		1200		1100	
Atrazine	SW8270D	--	--	--	µg/kg	< 90		< 1700		< 4700		< 3700		< 5400	
Benzaldehyde	SW8270D	--	--	--	µg/kg	11	J	550	J	< 4700		< 3700		< 5400	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	< 9		1700		3200		990		1900	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	< 9		1400		2900		850		1300	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	< 9		1500		1600		580		1600	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	< 9		930		3000		700		1400	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	< 9		530		240	J	160	J	350	J
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	< 44		1000		3800		1000	J	1800	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 9		< 170		< 470		< 370		< 540	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 440		< 8500		< 23000		< 18000		< 27000	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
Caprolactam	SW8270D	--	--	--	µg/kg	< 230		< 4400		< 12000		< 9400		< 14000	
Carbazole	SW8270D	--	--	--	µg/kg	< 9		440		< 470		< 370		< 540	
Chrysene	SW8270D	166	728	1290	µg/kg	< 9		1800		5100		1400		2700	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	< 9		380		1200		410		710	
Dibenzofuran	SW8270D	150	365	580	µg/kg	< 44		830	J	1600	J	2100		4100	
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	4.9	J	3500		1300		1200		4100	
Fluorene	SW8270D	77.4	307	536	µg/kg	5	J	510		3500		4900		4400	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 9		< 170		< 470		< 370		< 540	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 9		< 170		< 470		< 370		< 540	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	< 9		750		810		250	J	690	
Isophorone	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
Naphthalene	SW8270D	176	369	561	µg/kg	11		2800		2100		2300		12000	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP02-8010_06/27/2020		ND20-BP02-SURFTOX_07/02/2020		ND20-BP03-SURF_06/26/2020		ND20-BP03-0320_06/26/2020		ND20-BP03-1012_06/26/2020	
					Date	06-27-2020		07-02-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 89		< 1700		< 4700		< 3700		< 5400	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 9		< 170		< 470		< 370		< 540	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 44		< 850		< 2300		< 1800		< 2700	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 230		< 4400		< 12000		< 9400		< 14000	
Phenanthrene	SW8270D	204	687	1170	µg/kg	9.7		4100		12000		12000		8900	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 44		86	J	< 2300		< 1800		< 2700	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 230		< 4400		< 12000		< 9400		< 14000	
Pyrene	SW8270D	195	858	1520	µg/kg	< 9		3100		5000		3100		5000	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP02-8010_06/27/2020		ND20-BP02-SURFTOX_07/02/2020		ND20-BP03-SURF_06/26/2020		ND20-BP03-0320_06/26/2020		ND20-BP03-1012_06/26/2020	
					Date	06-27-2020		07-02-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		< 68		< 48		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		< 68		< 48		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		< 68		< 48		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		< 68		< 48		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		< 68		< 48		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		25	J P	**78**		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		< 68		< 48		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		< 68		< 48		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		< 68		< 48		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		**25**		**78**		-		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		< 2.7		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		< 42		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		< 3.5		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		**< 3.1**		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP02		ND20-BP02		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP02-8010_06/27/2020		ND20-BP02-SURFTOX_07/02/2020		ND20-BP03-SURF_06/26/2020		ND20-BP03-0320_06/26/2020		ND20-BP03-1012_06/26/2020	
					Date	06-27-2020		07-02-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		180	B	-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		60	B	-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		< 5	J B	-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		< 5	J B	-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		3.4	J	-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		7.2		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		1.2	J	-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		3.2	J	-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		< 5		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		0.56	J	-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		0.37	J	-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		0.83	J	-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		0.8	J	-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		< 0.99		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		0.35	J	-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		2400	B	-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		240	B	-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**34**		**110**		-		**43**		**120**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**14200**		**353000**		-		**284000**		**235000**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP03-1214_06/26/2020		ND20-BP03-1416_06/26/2020		ND20-BP03-1618_06/26/2020		ND20-BP03-1820_06/26/2020		ND20-BP03-2040_06/26/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	12 - 14		14 - 16		16 - 18		18 - 20		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	40000	D B	24000	D B	4600	B D	19	J D B	35000	D B
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	10000	D	12000	D	3700	D	25	J D	9900	D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	3400	J D	910	J D	380	J D	80	D	4500	D
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	910	J D	380	J D	190	J D	< 26		1100	J D
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	< 6000		< 2700		190	J D	5.4	J D	1500	J D
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	< 6000		< 2700		740	D	23	J D	< 4500	
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	< 6000		< 2700		630	D	23	J D	< 4500	
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	< 6000		< 2700		520	D	20	J D	< 4500	
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	< 6000		< 2700		290	J D	14	J D	< 4500	
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	< 6000		< 2700		610	D	21	J D	< 4500	
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	< 6000		< 2700		390	J D	16	J D	910	J D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 6000		< 2700		740	J D	26	D	< 4500	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 6000		< 2700		2100	J D	49	J D	6300	J D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 6000		< 2700		720	J D	< 26		18000	J D
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	35000	J D	25000	J D	5800	J D	31	J D	32000	J D
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	6500	J D	< 2700		1600	J D	44	J D	25000	J D
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 6000		< 2700		510	J D	< 26		< 4500	
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 6000		< 2700		1100	J D	36	J D	5800	J D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 6000		< 2700		870	J D	< 26		23000	J D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	180000	J D B	110000	J D B	28000	J B D	220	J B D	270000	J D B
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	7100	D	3300	D	2100	J D	59	J D	23000	J D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 6000		< 2700		< 470		< 26		< 4500	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 6000		< 2700		1100	J D	< 26		6700	J D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 6000		< 2700		1100	J D	30	J D	16000	J D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	160000	J D B	72000	J D B	27000	J B D	320	J B D	350000	J D B
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 6000		2900	J D	1700	J D	57	J D	15000	J D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 6000		< 2700		< 470		< 26		< 4500	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	76000	J D B	25000	J D B	12000	J B D	250	J B D	190000	J D B
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 6000		< 2700		1500	J D	55	J D	6900	J D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	< 6000		690	J D	860	D	28	D	1600	J D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	< 6000		< 2700		100	J D	4.1	J D	< 4500	
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	2200	J D	880	J D	1600	D	54	D	1600	J D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	3100	J D	1000	J D	480	D	20	J D	5600	D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	< 6000		< 2700		290	J D	13	J D	< 4500	
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	3100	J D	1500	J D	670	D	7.5	J D	2000	J D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	< 6000		< 2700		230	J D	120	D	< 4500	
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	4800	J D	1600	J D	1000	D	35	D	13000	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	< 6000		< 2700		1100	D	48	D	2000	J D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	18000		7000		9700		400		33000	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	480000	B	250000	B	98000	B	1700	B	1000000	B
Metals															
Aluminium	SW6010	--	--	--	mg/kg	5530		7050		4590		6400		1860	
Antimony	SW6010	2	13.5	25	mg/kg	1.5	J *	< 6.7	U *	< 6.7	U *	< 6.2	U *	0.68	J *
Arsenic	SW6010	9.8	21.4	33	mg/kg	35.5	*	7.7	*	3.9	*	2.4	*	11.8	*
Barium	SW6010	--	--	--	mg/kg	134		68.5		41.8		39		142	
Beryllium	SW6010	--	--	--	mg/kg	0.84		0.55	J	0.27	J	0.21	J	0.73	
Cadmium	SW6010	0.99	3	5	mg/kg	0.69	J	0.63		0.23	J	0.19	J	0.61	J
Calcium Metal	SW6010	--	--	--	mg/kg	3710		5250		4180		5420		1800	
Chromium	SW6010	43	76.5	110	mg/kg	13.7		17.7		10.8		15.1		7.5	
Cobalt	SW6010	--	--	--	mg/kg	5.8	J	7		4.3	J	5.1	J	5.4	J
Copper	SW6010	32	91	150	mg/kg	31.4	*	19.8	*	10.7	*	9.3	*	23.9	*
Iron	SW6010	20000	30000	40000	mg/kg	27000		16700		10700		11800		8790	
Lead	SW6010	36	83	130	mg/kg	121	*	49	*	20.9	*	8.4	*	110	*
Magnesium	SW6010	--	--	--	mg/kg	2320		4080		2900		4080		609	J
Manganese	SW6010	460	780	1100	mg/kg	156		225		146		196		53.5	
Mercury	SW6010	0.18	0.64	1.1	mg/kg	0.085	J	0.052	J	0.034	J	< 0.13		< 0.14	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP03-1214_06/26/2020		ND20-BP03-1416_06/26/2020		ND20-BP03-1618_06/26/2020		ND20-BP03-1820_06/26/2020		ND20-BP03-2040_06/26/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	12 - 14		14 - 16		16 - 18		18 - 20		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**13.8**		**15.6**		**9.5**		**12.1**		**11.5**	
Potassium	SW6010	--	--	--	mg/kg	584	J	**767**		483	J	**691**		275	J
Selenium	SW6010	--	--	--	mg/kg	3.6	J	1.3	J	0.73	J	< 3.6		2.8	J
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.6		< 1.1		< 1.1		< 1		< 1.2	
Sodiium	SW6010	--	--	--	mg/kg	174	J	216	J	157	J	202	J	81.8	J
Thallium	SW6010	--	--	--	mg/kg	< 4.1	U *	< 2.8	U *	< 2.8	U *	< 2.6	U *	< 3.1	U *
Vanadium	SW6010	--	--	--	mg/kg	**18.5**	*	**23.4**	*	**20.7**	*	**23.3**	*	**13.2**	*
Zinc	SW6010	120	290	460	mg/kg	**126**		**119**		**72.4**		**32.8**		**95.3**	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP03-1214_06/26/2020		ND20-BP03-1416_06/26/2020		ND20-BP03-1618_06/26/2020		ND20-BP03-1820_06/26/2020		ND20-BP03-2040_06/26/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	12 - 14		14 - 16		16 - 18		18 - 20		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	**< 600**		**< 8.5**		< 6.9		< 6.7		< 7.7	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	**< 600**		< 8.5		< 6.9		< 6.7		< 7.7	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	**< 600**		< 8.5		< 6.9		< 6.7		< 7.7	
2-Butanone	SW8260	--	--	--	µg/kg	< 600		4.5	J	< 6.9		**7.3**		< 7.7	
2-Hexanone	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Acetone	SW8260	--	--	--	µg/kg	< 2400		**63**		**120**		**130**		**120**	
Benzene	SW8260	57	83.5	110	µg/kg	35	J	< 8.5		< 6.9		< 6.7		< 7.7	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Bromoform	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Bromomethane	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Chloroethane	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Chloroform	SW8260	--	--	--	µg/kg	< 600	J	< 8.5		< 6.9		< 6.7		< 7.7	
Chloromethane	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Cyclohexane	SW8260	--	--	--	µg/kg	200	J	4.1	J	3.2	J	< 6.7		**28**	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Ethylbenzene	SW8260	--	--	--	µg/kg	45	J	< 8.5		< 6.9		< 6.7		< 7.7	
Isopropylbenzene	SW8260	--	--	--	µg/kg	550	J	1.9	J	< 6.9		< 6.7		**8.8**	
m,p-Xylene	SW8260	--	--	--	µg/kg	420	J	< 8.5		< 6.9		< 6.7		< 7.7	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 3000		< 42		< 35		< 33		< 38	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Methycylohexane	SW8260	--	--	--	µg/kg	**1100**		**25**		**49**		< 6.7		**130**	
Methylene Chloride	SW8260	--	--	--	µg/kg	200	J	6.2	J	5.7	J	5.5	J	5.5	J
o-Xylene	SW8260	--	--	--	µg/kg	110	J	< 8.5		< 6.9		< 6.7		< 7.7	
Styrene	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Toluene	SW8260	890	1345	1800	µg/kg	140	J	< 8.5		< 6.9		< 6.7		< 7.7	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Trichloroethene	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 600		< 8.5		< 6.9		< 6.7		< 7.7	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	530	J	< 17		< 14		< 13		< 15	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP03-1214_06/26/2020		ND20-BP03-1416_06/26/2020		ND20-BP03-1618_06/26/2020		ND20-BP03-1820_06/26/2020		ND20-BP03-2040_06/26/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	12 - 14		14 - 16		16 - 18		18 - 20		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP03-1214_06/26/2020		ND20-BP03-1416_06/26/2020		ND20-BP03-1618_06/26/2020		ND20-BP03-1820_06/26/2020		ND20-BP03-2040_06/26/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	12 - 14		14 - 16		16 - 18		18 - 20		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	1700	J	**830**		**370**	J	< 22		810	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 460		< 160		< 140		< 4.5		< 350	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 460		< 160		< 140		< 4.5		< 350	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	**< 2300**		**< 810**		**< 680**		< 22		**< 1700**	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 23000		< 8100		< 6800		< 220		< 17000	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 460		< 160		< 140		< 4.5		< 350	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	**30000**		**23000**		**5600**		**17**		**23000**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	< 2300		170	J	60	J	< 22		< 1700	
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 12000		< 4200		< 3500		< 110		< 8900	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 12000		< 4200		< 3500		< 110		< 8900	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 12000		< 4200		< 3500		< 110		< 8900	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
4-Methylphenol	SW8270D	--	--	--	µg/kg	< 2300		410	J	180	J	3.6	J	< 1700	
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 12000		< 4200		< 3500		< 110		< 8900	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	**2600**		**< 160**		**360**		**16**		**2800**	
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	**< 460**		**< 160**		**< 140**		2	J	**< 350**	
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 4600		< 1600		< 1400		< 45		< 3500	
Anthracene	SW8270D	57.2	451	845	µg/kg	**580**		**190**		**180**		2	J	**710**	
Atrazine	SW8270D	--	--	--	µg/kg	< 4600		< 1600		< 1400		< 45		< 3500	
Benzaldehyde	SW8270D	--	--	--	µg/kg	< 4600		< 1600		< 1400		< 45		< 3500	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	**910**		**520**		**490**		**6.6**		**560**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	**700**		**350**		**360**		**5.7**		**410**	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	**800**		**450**		**430**		**7.4**		**390**	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	**760**		**310**		**240**		**5.1**		**560**	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	300	J	150	J	160		2.2	J	120	J
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	910	J	340	J	230	J	4.2	J	660	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 460		< 160		< 140		< 4.5		< 350	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 23000		< 8100		< 6800		< 220		< 17000	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
Caprolactam	SW8270D	--	--	--	µg/kg	< 12000		< 4200		< 3500		< 110		< 8900	
Carbazole	SW8270D	--	--	--	µg/kg	340	J	< 160		< 140		< 4.5		< 350	
Chrysene	SW8270D	166	728	1290	µg/kg	**1400**		**660**		**490**		**7.6**		**970**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	**510**		**220**		**190**		< 4.5		**< 350**	
Dibenzofuran	SW8270D	150	365	580	µg/kg	**3100**		**940**		280	J	3.3	J	**2200**	
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	**< 2300**		**< 810**		**< 680**		< 22		**< 1700**	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	**< 2300**		**< 810**		**< 680**		< 22		**< 1700**	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	**< 2300**		< 810		< 680		< 22		< 1700	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	**< 2300**		**< 810**		**< 680**		< 22		**< 1700**	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**1900**		**830**		**900**		**14**		**820**	
Fluorene	SW8270D	77.4	307	536	µg/kg	**3500**		**1100**		**360**		**5.5**		**3700**	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 460		< 160		< 140		< 4.5		< 350	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 460		< 160		< 140		< 4.5		< 350	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	400	J	**250**		**250**		**4.7**		220	J
Isophorone	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
Naphthalene	SW8270D	176	369	561	µg/kg	**8600**		**3800**		**810**		**5.3**		**5100**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP03-1214_06/26/2020		ND20-BP03-1416_06/26/2020		ND20-BP03-1618_06/26/2020		ND20-BP03-1820_06/26/2020		ND20-BP03-2040_06/26/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	12 - 14		14 - 16		16 - 18		18 - 20		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 4600		< 1600		< 1400		< 45		< 3500	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 460		< 160		< 140		< 4.5		< 350	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 2300		< 810		< 680		< 22		< 1700	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 12000		< 4200		< 3500		< 110		< 8900	
Phenanthrene	SW8270D	204	687	1170	µg/kg	5300		1800		840		12		9600	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 2300		86	J	< 680		< 22		< 1700	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 12000		< 4200		< 3500		< 110		< 8900	
Pyrene	SW8270D	195	858	1520	µg/kg	2200		920		820		13		1700	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP03-1214_06/26/2020		ND20-BP03-1416_06/26/2020		ND20-BP03-1618_06/26/2020		ND20-BP03-1820_06/26/2020		ND20-BP03-2040_06/26/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	12 - 14		14 - 16		16 - 18		18 - 20		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03	
					Sample ID	ND20-BP03-1214_06/26/2020		ND20-BP03-1416_06/26/2020		ND20-BP03-1618_06/26/2020		ND20-BP03-1820_06/26/2020		ND20-BP03-2040_06/26/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	12 - 14		14 - 16		16 - 18		18 - 20		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**85**		**64**		**38**		**35**		**40**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**348000**		**270000**		**110000**		**25000**		**352000**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP04	
					Sample ID	ND20-BP03-4060_06/26/2020		ND20-BP03-6080_06/26/2020		ND20-BP03-8010_06/26/2020		ND20-BP03-SURFTOX_07/02/2020		ND20-BP04-SURF_06/25/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		07-02-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	67000	D B	26000	D B	53000	D B	330	D	1100	D
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	38000	D	6300	D	48000	D	520	D	1600	D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	< 120		< 5000		3200	J D	44	J D	100	D
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	< 120		780	J D	1100	J D	11	J D	68	J D
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	< 120		770	J D	1700	J D	61	D	210	D
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	4700	J D	1200	J D	2900	J D	140	D	710	D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	5400	J D	< 5000		2800	J D	100	D	650	D
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	< 12000		< 5000		< 7500		110	D	580	D
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	3300	J D	< 5000		2700	J D	78	D	320	D
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	1700	D	< 5000		< 7500		78	D	540	D
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	7400	J D	2700	J D	4200	J D	110	D	510	D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	13000	J D	< 5000		< 7500		180	J D	700	D
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	28000	J D	9700	J D	17000	J D	340	J D	1900	D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	23000	J D	11000	J D	11000	J D	130	J D	550	D
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	47000	J D	21000	J D	69000	J D	560	J D	< 96	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	46000	J D	18000	J D	20000	J D	470	J D	1500	D
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	14000	J D	6000	J D	9000	J D	120	J D	670	D
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	28000	J D	9100	J D	14000	J D	340	J D	1400	D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	35000	J D	15000	J D	13000	J D	230	J D	890	D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	340000	J B D	180000	J D B	270000	J D B	1400	J D	5200	D
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	63000	J D	23000	J D	23000	J D	450	J D	1600	D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	14000	J D	< 5000		9400	J D	81	J D	590	D
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	26000	J D	< 5000		< 7500		< 53		1000	D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	35000	J D	13000	J D	11000	J D	260	J D	980	D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	460000	J B D	230000	J D B	270000	J D B	1400	J D	6300	D
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	50000	J D	17000	J D	18000	J D	280	J D	1200	D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	7400	J D	< 5000		< 7500		< 53		250	D
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	260000	J B D	120000	J D B	130000	J D B	1100	J D	5000	D
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	26000	J D	7500	J D	8700	J D	210	J D	820	D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	8600	J D	2200	J D	4900	J D	190	D	780	D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	970	D	< 5000		< 7500		29	J D	130	D
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	7900	J D	2700	J D	5600	J D	340	D	1300	D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	< 120		3500	J D	4700	J D	86	D	260	D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	1200	D	< 5000		< 7500		48	J D	300	D
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	6100	J D	2400	J D	8000	D	240	D	720	D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	480	D	< 5000		< 7500		21	J D	160	D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	22000	D	7800	D	11000	D	380	D	1000	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	14000	D	3400	J D	6400	J D	270	D	1200	D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	65000		25000		55000		2200		8900	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	1600000	B	710000	B	950000	B	9900		40000	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	3470		2520		5920		2300		16300	
Antimony	SW6010	2	13.5	25	mg/kg	1.2	J *	0.81	J *	2.3	J *	< 9.4	U *	< 16.2	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	57.1	*	27.9	*	132	*	5.3		16.8	
Barium	SW6010	--	--	--	mg/kg	105		76.5		107		116		166	
Beryllium	SW6010	--	--	--	mg/kg	0.85		0.77		0.98	J	0.56	J	< 1.3	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.63	J	1.5		0.94	J	< 0.79		1.4	
Calcium Metal	SW6010	--	--	--	mg/kg	2450		1770		2830		2960		10400	
Chromium	SW6010	43	76.5	110	mg/kg	9.7		6.9		13.4		11		41.8	
Cobalt	SW6010	--	--	--	mg/kg	6.3	J	5.3		5.3	J	4.7	J	13.4	J
Copper	SW6010	32	91	150	mg/kg	38.4	*	32.2	*	49.6	*	15.4		55	
Iron	SW6010	20000	30000	40000	mg/kg	37100		17300		75000	D	10800		42100	
Lead	SW6010	36	83	130	mg/kg	181	*	144	*	179	*	20.7		86.3	
Magnesium	SW6010	--	--	--	mg/kg	1090		616		1230		1120		8860	
Manganese	SW6010	460	780	1100	mg/kg	79.6		68.8		105		210		501	
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.16		0.046	J	0.09	J	0.051	J	0.13	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP04	
					Sample ID	ND20-BP03-4060_06/26/2020		ND20-BP03-6080_06/26/2020		ND20-BP03-8010_06/26/2020		ND20-BP03-SURFTOX_07/02/2020		ND20-BP04-SURF_06/25/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		07-02-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**14.7**		**11.3**		**13.9**		**9.8**		**33.4**	
Potassium	SW6010	--	--	--	mg/kg	357	J	261	J	434	J	399	J	**2170**	
Selenium	SW6010	--	--	--	mg/kg	4.8	J	3.3	J	**7.5**		2	J	2.8	J
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.5		< 1		**< 2.1**		< 1.6		**< 2.7**	
Sodiium	SW6010	--	--	--	mg/kg	129	J	102	J	150	J	165	J	405	J
Thallium	SW6010	--	--	--	mg/kg	< 3.7	U *	< 2.6	U *	< 5.3	U *	< 3.9	U *	< 6.7	U *
Vanadium	SW6010	--	--	--	mg/kg	**15.8**	*	**11.5**	*	**23.8**	*	**13.7**		**50.6**	
Zinc	SW6010	120	290	460	mg/kg	**101**		**78.7**		**116**		**28.8**		**264**	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP04	
					Sample ID	ND20-BP03-4060_06/26/2020		ND20-BP03-6080_06/26/2020		ND20-BP03-8010_06/26/2020		ND20-BP03-SURFTOX_07/02/2020		ND20-BP04-SURF_06/25/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		07-02-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	**< 560**		**< 380**		**< 640**		**< 8.3**		**< 17**	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	**< 560**		**< 380**		**< 640**		< 8.3		< 17	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	**< 560**		**< 380**		**< 640**		< 8.3		< 17	
2-Butanone	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		9.8	J
2-Hexanone	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Acetone	SW8260	--	--	--	µg/kg	160	J	< 1500		< 2600		15	J	**100**	
Benzene	SW8260	57	83.5	110	µg/kg	550	J	**850**		**820**		< 8.3		< 17	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Bromoform	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Bromomethane	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Chloroethane	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Chloroform	SW8260	--	--	--	µg/kg	< 560	J	< 380	J	< 640	J	< 8.3		< 17	
Chloromethane	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Cyclohexane	SW8260	--	--	--	µg/kg	**940**		**810**		**1400**		< 8.3		< 17	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Ethylbenzene	SW8260	--	--	--	µg/kg	**640**		**550**		**1400**		< 8.3		< 17	
Isopropylbenzene	SW8260	--	--	--	µg/kg	550	J	**500**		**1600**		< 8.3		< 17	
m,p-Xylene	SW8260	--	--	--	µg/kg	**1300**		**1600**		**1800**		< 8.3		< 17	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Methyl Acetate	SW8260	--	--	--	µg/kg	46	J	< 1900		190	J	< 41		< 83	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Methycylohexane	SW8260	--	--	--	µg/kg	**5600**		**3700**		**6100**		< 8.3		< 17	
Methylene Chloride	SW8260	--	--	--	µg/kg	180	J	100	J	230	J	< 8.3		< 17	
o-Xylene	SW8260	--	--	--	µg/kg	320	J	370	J	310	J	< 8.3		< 17	
Styrene	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Toluene	SW8260	890	1345	1800	µg/kg	**770**		**810**		640	J	< 8.3		< 17	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Trichloroethene	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 560		< 380		< 640		< 8.3		< 17	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	**1600**		**2000**		**2100**		< 17		**< 33**	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP04	
					Sample ID	ND20-BP03-4060_06/26/2020		ND20-BP03-6080_06/26/2020		ND20-BP03-8010_06/26/2020		ND20-BP03-SURFTOX_07/02/2020		ND20-BP04-SURF_06/25/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		07-02-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP04	
					Sample ID	ND20-BP03-4060_06/26/2020		ND20-BP03-6080_06/26/2020		ND20-BP03-8010_06/26/2020		ND20-BP03-SURFTOX_07/02/2020		ND20-BP04-SURF_06/25/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		07-02-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	< 3000		< 2400		1500	J	100	J	370	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 610		< 490		< 560		< 160		< 250	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 610		< 490		< 560		< 160		< 250	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 30000		< 24000		< 27000		< 8100		< 12000	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 610		< 490		< 560		< 160		< 250	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	12000		12000		39000		940		3900	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	< 3000		< 2400		< 2700		43	J	100	J
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 15000		< 12000		< 14000		< 4200		< 6300	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 15000		< 12000		< 14000		< 4200		< 6300	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 15000		< 12000		< 14000		< 4200		< 6300	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
4-Methylphenol	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		86	J	190	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 15000		< 12000		< 14000		< 4200		< 6300	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	1800		2000		2100		80	J	210	J
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	< 610		< 490		< 560		74	J	230	J
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 6100		< 4900		< 5600		< 1600		< 2500	
Anthracene	SW8270D	57.2	451	845	µg/kg	550	J	570		870		95	J	360	
Atrazine	SW8270D	--	--	--	µg/kg	< 6100		< 4900		< 5600		< 1600		< 2500	
Benzaldehyde	SW8270D	--	--	--	µg/kg	< 6100		< 4900		< 5600		< 1600		< 2500	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	1000		960		1600		240		800	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	1100		990		1500		180		730	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	760		720		1400		180		760	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	1500		1500		2400		210		540	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	150	J	230	J	340	J	40	J	260	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	1800	J	1500	J	2400	J	260	J	620	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 610		< 490		< 560		< 160		< 250	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 30000		< 24000		< 27000		< 8100		< 12000	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
Caprolactam	SW8270D	--	--	--	µg/kg	< 15000		< 12000		< 14000		< 4200		< 6300	
Carbazole	SW8270D	--	--	--	µg/kg	< 610		< 490		510	J	46	J	150	J
Chrysene	SW8270D	166	728	1290	µg/kg	1700		1600		2600		390		940	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	< 610		650		890		190		330	
Dibenzofuran	SW8270D	150	365	580	µg/kg	1600	J	2000	J	2700		170	J	630	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	1400		1300		2600		270		1200	
Fluorene	SW8270D	77.4	307	536	µg/kg	2200		2800		3000		93	J	390	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 610		< 490		< 560		< 160		< 250	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 610		< 490		< 560		< 160		< 250	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	550	J	500		1000		120	J	340	
Isophorone	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
Naphthalene	SW8270D	176	369	561	µg/kg	2700		4700		10000		530		1900	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP04	
					Sample ID	ND20-BP03-4060_06/26/2020		ND20-BP03-6080_06/26/2020		ND20-BP03-8010_06/26/2020		ND20-BP03-SURFTOX_07/02/2020		ND20-BP04-SURF_06/25/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		07-02-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 6000		< 4900		< 5500		< 1600		< 2500	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 610		< 490		< 560		< 160		< 250	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 3000		< 2400		< 2700		< 810		< 1200	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 15000		< 12000		< 14000		< 4200		< 6300	
Phenanthrene	SW8270D	204	687	1170	µg/kg	5300		6200		6900		500		1600	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 3000		< 2400		< 2700		37	J	< 1200	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 15000		< 12000		< 14000		< 4200		< 6300	
Pyrene	SW8270D	195	858	1520	µg/kg	3100		2700		4300		350		1300	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP04	
					Sample ID	ND20-BP03-4060_06/26/2020		ND20-BP03-6080_06/26/2020		ND20-BP03-8010_06/26/2020		ND20-BP03-SURFTOX_07/02/2020		ND20-BP04-SURF_06/25/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		07-02-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		< 53		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		< 53		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		< 53		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		< 53		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		< 53		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		< 53		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		3	J	-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		< 53		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		< 53		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		**3**		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		< 2.2		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		< 35		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		< 2.8		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		**< 2.5**		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP03		ND20-BP04	
					Sample ID	ND20-BP03-4060_06/26/2020		ND20-BP03-6080_06/26/2020		ND20-BP03-8010_06/26/2020		ND20-BP03-SURFTOX_07/02/2020		ND20-BP04-SURF_06/25/2020	
					Date	06-26-2020		06-26-2020		06-26-2020		07-02-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		**48**	B	-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		**15**	B	-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		< 4.9	J B	-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		< 4.9	J B	-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		**0.57**	J	-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		< 4.9	J B	-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		**0.61**	J I	-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		**0.6**	J	-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		< 4.9		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		**0.26**	J	-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		**0.078**	J	-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		**0.21**	J	-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		**0.14**	J	-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		< 0.98		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		**0.34**	J	-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		**700**	B	-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		**79**	B	-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**81**		**47**		**120**		**64**		**200**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**359000**		**320000**		**342000**		**180000**		**322000**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04	
					Sample ID	ND20-BP04-SURFFD_06/26/2020		ND20-BP04-0320_06/28/2020		ND20-BP04-1012_06/28/2020		ND20-BP04-1214_06/28/2020		ND20-BP04-2040_06/28/2020	
					Date	06-26-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	FD		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	1400	D	6600	D	-		-		4200	D
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	1800	D	6100	D	-		-		4000	D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	96	J D	1400	D	-		-		750	D
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	64	J D	490	J D	-		-		< 520	
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	180	D	< 1100		-		-		310	J D
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	630	D	1800	D	-		-		880	D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	610	D	1600	D	-		-		720	D
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	590	D	850	J D	-		-		530	D
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	320	D	1200	D	-		-		510	J D
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	480	D	580	J D	-		-		370	J D
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	500	D	1600	D	-		-		660	D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	690	D	2500	J D	-		-		1500	J D
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	1800	D	6100	J D	-		-		4000	J D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	590	D	7000	J D	-		-		2000	J D
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	2300	D	8100	J D	-		-		11000	J D
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	1600	D	15000	J D	-		-		< 520	
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	590	D	2400	J D	-		-		1400	J D
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	1500	D	6000	J D	-		-		4200	J D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	1100	D	13000	J D	-		-		3900	J D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	5800	D	66000	J D	-		-		34000	J D
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	1800	D	14000	J D	-		-		7300	J D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	700	D	1900	J D	-		-		1200	J D
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 100		3000	J D	-		-		2500	J D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	990	D	9300	J D	-		-		4000	J D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	7300	D	120000	J D	-		-		41000	J D
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	1200	D	8400	J D	-		-		4800	J D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	280	D	< 1100		-		-		< 520	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	5600	D	78000	J D	-		-		31000	J D
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	1100	D	5500	J D	-		-		3400	J D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	710	D	2200	D	-		-		1000	D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	130	D	290	J D	-		-		160	J D
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	1300	D	2000	D	-		-		1100	D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	270	D	2300	D	-		-		810	D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	300	D	610	J D	-		-		320	J D
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	1000	D	2100	D	-		-		1900	D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	180	D	400	J D	-		-		260	J D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	1000	D	6400	D	-		-		2900	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	1100	D	2400	D	-		-		1600	D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	8800		26000		-		-		14000	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	44000		390000		-		-		170000	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	13800		6410		6030		3550		4170	
Antimony	SW6010	2	13.5	25	mg/kg	< 15	U *	< 8.2	U *	< 8.8	U *	< 6.3	U *	< 6.5	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	13		27.6		27		2.1		7.8	
Barium	SW6010	--	--	--	mg/kg	141		102		39		21	J	59.7	
Beryllium	SW6010	--	--	--	mg/kg	0.92	J	0.71	J	0.46	J	0.17	J	0.47	J
Cadmium	SW6010	0.99	3	5	mg/kg	1.2	J	0.92		0.22	J	< 0.53		0.41	J
Calcium Metal	SW6010	--	--	--	mg/kg	9140	*	4630		5440		3680		3620	
Chromium	SW6010	43	76.5	110	mg/kg	34.6		17.9		14.2		8.9		10.8	
Cobalt	SW6010	--	--	--	mg/kg	11	J	6.6	J	5.2	J	3.2	J	4.6	J
Copper	SW6010	32	91	150	mg/kg	45.4		54.4		13.8		4.1		17	
Iron	SW6010	20000	30000	40000	mg/kg	35300		25100		28200		8670		15800	
Lead	SW6010	36	83	130	mg/kg	71.3		139		21.9		2.4		37.8	
Magnesium	SW6010	--	--	--	mg/kg	7630		3370		3510		2600		2450	
Manganese	SW6010	460	780	1100	mg/kg	412	*	230		290		116		187	
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.28	J	0.17		< 0.17		< 0.11		0.11	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04	
					Sample ID	ND20-BP04-SURFFD_06/26/2020		ND20-BP04-0320_06/28/2020		ND20-BP04-1012_06/28/2020		ND20-BP04-1214_06/28/2020		ND20-BP04-2040_06/28/2020	
					Date	06-26-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	FD		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**28**		**16.9**		**12.8**		**7.3**		**10.4**	
Potassium	SW6010	--	--	--	mg/kg	**1770**		**715**		584	J	333	J	427	J
Selenium	SW6010	--	--	--	mg/kg	2.6	J	2.6	J	1.6	J	< 3.7		1.5	J
Silver	SW6010	1.6	1.9	2.2	mg/kg	**< 2.5**		< 1.4		< 1.5		< 1.1		< 1.1	
Sodiium	SW6010	--	--	--	mg/kg	342	J	285	J	327	J	179	J	230	J
Thallium	SW6010	--	--	--	mg/kg	< 6.2		< 3.4		< 3.7		< 2.6		< 2.7	
Vanadium	SW6010	--	--	--	mg/kg	**42.1**		**23.5**		**23.3**		**21.1**		**18.5**	
Zinc	SW6010	120	290	460	mg/kg	**217**	*	**208**	*	**46.5**	*	**19.4**	*	**97**	*
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04	
					Sample ID	ND20-BP04-SURFFD_06/26/2020		ND20-BP04-0320_06/28/2020		ND20-BP04-1012_06/28/2020		ND20-BP04-1214_06/28/2020		ND20-BP04-2040_06/28/2020	
					Date	06-26-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	FD		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 16	J	< 8		< 8.3		< 6.1		< 7.5	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 16	J	< 8		< 8.3		< 6.1		< 7.5	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 16	J B	< 8		< 8.3		< 6.1		< 7.5	
2-Butanone	SW8260	--	--	--	µg/kg	7.1	J	**8.8**		< 8.3		< 6.1		4.9	J
2-Hexanone	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Acetone	SW8260	--	--	--	µg/kg	**340**		**40**		**120**		15	J	**130**	
Benzene	SW8260	57	83.5	110	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Bromoform	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Bromomethane	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Chloroethane	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Chloroform	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Chloromethane	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Cyclohexane	SW8260	--	--	--	µg/kg	< 16		**15**		< 8.3		< 6.1		1.8	J
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 16	J	< 8		**60**		< 6.1		< 7.5	J
m,p-Xylene	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 16	J	< 8		< 8.3		< 6.1		< 7.5	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 82		< 40		< 42		< 30		< 37	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Methycylohexane	SW8260	--	--	--	µg/kg	< 16		**160**		**270**		< 6.1		**22**	
Methylene Chloride	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
o-Xylene	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Styrene	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Toluene	SW8260	890	1345	1800	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Trichloroethene	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 16		< 8		< 8.3		< 6.1		< 7.5	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 33		< 16		< 17		< 12		< 15	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04	
					Sample ID	ND20-BP04-SURFFD_06/26/2020		ND20-BP04-0320_06/28/2020		ND20-BP04-1012_06/28/2020		ND20-BP04-1214_06/28/2020		ND20-BP04-2040_06/28/2020	
					Date	06-26-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	FD		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04	
					Sample ID	ND20-BP04-SURFFD_06/26/2020		ND20-BP04-0320_06/28/2020		ND20-BP04-1012_06/28/2020		ND20-BP04-1214_06/28/2020		ND20-BP04-2040_06/28/2020	
					Date	06-26-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	FD		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	250	J	690	J	170	J	0.99	J	400	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 150		< 220		< 58		< 4.1		< 150	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290		< 20		< 750	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290		< 20		< 750	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 150		< 220		< 58	U *	< 4.1		< 150	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	**< 760**		**< 1100**		< 290	U *	< 20		**430**	J
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 7600		< 11000		< 2900	U	< 200		< 7500	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290		< 20		< 750	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290		< 20		< 750	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 150		< 220		< 58		< 4.1		< 150	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290		< 20		< 750	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	**2700**		**7600**		**35000**	D	**9.2**		**3900**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	54	J	160	J	< 290		0.49	J	180	J
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 3900		< 5500		< 1500		< 110		< 3900	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290	U *	< 20		< 750	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290		< 20		< 750	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 3900		< 5500		< 1500		< 110		< 3900	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 3900		< 5500		< 1500		< 110		< 3900	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290		< 20		< 750	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290	U *	< 20		< 750	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290		< 20		< 750	
4-Methylphenol	SW8270D	--	--	--	µg/kg	150	J	400	J	< 290		1.2	J	260	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 3900		< 5500		< 1500		< 110		< 3900	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	**180**		**1400**		**< 58**		< 4.1		**< 150**	
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	**220**		**< 220**		**< 58**		< 4.1		**< 150**	
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 1500		< 2200		< 580		< 41		< 1500	
Anthracene	SW8270D	57.2	451	845	µg/kg	**300**		**490**		**190**		**1.1**	J	**200**	
Atrazine	SW8270D	--	--	--	µg/kg	< 1500		< 2200		< 580		< 41		< 1500	
Benzaldehyde	SW8270D	--	--	--	µg/kg	< 1500		< 2200		< 580		**2.2**	J	< 1500	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	**750**		**1100**		**280**		**1.5**	J	**340**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	**780**		**1000**		**190**		**1.5**	J	**320**	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	**710**		**800**		**280**		**1.8**	J	**390**	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	**570**		**1200**		170		**1.4**	J	**340**	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	230		**260**		63		**0.67**	J	88	J
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	**530**	J	**1300**		**170**	J	**1.1**	J	**390**	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290	U *	< 20		< 750	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 150		< 220		< 58		< 4.1		< 150	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 7600		< 11000		< 2900		< 200		< 7500	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290		< 20		< 750	
Caprolactam	SW8270D	--	--	--	µg/kg	< 3900		< 5500		< 1500	U *	< 110		< 3900	
Carbazole	SW8270D	--	--	--	µg/kg	**89**	J	< 220		< 58		< 4.1		< 150	
Chrysene	SW8270D	166	728	1290	µg/kg	**810**		**1700**		**400**		**2.3**	J	**540**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	**260**		**240**		**44**	J	< 4.1		**61**	J
Dibenzofuran	SW8270D	150	365	580	µg/kg	**380**	J	**970**	J	**550**		**1.2**	J	**500**	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	**< 760**		**< 1100**		< 290		**1.1**	J	**< 750**	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	**< 760**		**< 1100**		< 290		< 20		**< 750**	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 760		< 1100		< 290		**1.1**	J	< 750	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	**< 760**		**< 1100**		< 290		< 20		**< 750**	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**1100**		**1400**		**670**		**4.5**		**780**	
Fluorene	SW8270D	77.4	307	536	µg/kg	**290**		**1700**		**780**		**1.2**	J	**580**	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 150		< 220		< 58		< 4.1		< 150	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 150		< 220		< 58	U *	< 4.1		< 150	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290		< 20		< 750	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290		< 20		< 750	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	**410**		**430**		**130**		**1.4**	J	**170**	
Isophorone	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290	U *	< 20		< 750	
Naphthalene	SW8270D	176	369	561	µg/kg	**1300**		**3100**		**4200**	*	**3.3**	J	**2000**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04	
					Sample ID	ND20-BP04-SURFFD_06/26/2020		ND20-BP04-0320_06/28/2020		ND20-BP04-1012_06/28/2020		ND20-BP04-1214_06/28/2020		ND20-BP04-2040_06/28/2020	
					Date	06-26-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	FD		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 1500		< 2200		< 580	U *	< 41		< 1500	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 150		< 220		< 58		< 4.1		< 150	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290		< 20		< 750	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 760		< 1100		< 290	U *	< 20		< 750	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	**< 3900**		**< 5500**		**< 1500**		< 110		**< 3900**	
Phenanthrene	SW8270D	204	687	1170	µg/kg	**1100**		**5100**		**1500**		3.7	J	**1700**	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 760		69	J	65	J	< 20		70	J
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 3900		< 5500		< 1500		< 110		< 3900	
Pyrene	SW8270D	195	858	1520	µg/kg	**1100**		**1700**		**530**		3.7	J	**790**	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04	
					Sample ID	ND20-BP04-SURFFD_06/26/2020		ND20-BP04-0320_06/28/2020		ND20-BP04-1012_06/28/2020		ND20-BP04-1214_06/28/2020		ND20-BP04-2040_06/28/2020	
					Date	06-26-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	FD		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP04	
					Sample ID	ND20-BP04-SURFFD_06/26/2020		ND20-BP04-0320_06/28/2020		ND20-BP04-1012_06/28/2020		ND20-BP04-1214_06/28/2020		ND20-BP04-2040_06/28/2020	
					Date	06-26-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		10 - 12		12 - 14		2 - 4	
					Sample type	FD		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**210**		**62**		**74**		**24**		**52**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**182000**		**203000**		**94600**		**5360**		**171000**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP04-4060_06/28/2020		ND20-BP04-6080_06/28/2020		ND20-BP04-8010_06/28/2020		ND20-BP05-0320_06/27/2020		ND20-BP05-1012_06/27/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	7200	D	-		-		2400	D	< 14	
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	5900	D	-		-		1500	D	< 14	
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	450	J D	-		-		220	J D	< 14	
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	230	J D	-		-		130	J D	< 14	
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	390	J D	-		-		78	J D	< 14	
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	660	J D	-		-		170	J D	< 14	
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	470	J D	-		-		130	J D	< 14	
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	380	J D	-		-		140	J D	< 14	
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	< 1000		-		-		110	J D	< 14	
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	370	J D	-		-		< 300		< 14	
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	< 1000		-		-		170	J D	< 14	
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 1000		-		-		340	J D	< 14	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	2300	J D	-		-		800	J D	< 14	
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	1300	J D	-		-		590	J D	< 14	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	8100	J D	-		-		2600	J D	< 14	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	3200	J D	-		-		1400	J D	< 14	
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 1000		-		-		330	J D	< 14	
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	1700	J D	-		-		790	J D	< 14	
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	2000	J D	-		-		1100	J D	< 14	
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	46000	J D	-		-		17000	J D	< 14	
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	4300	J D	-		-		1700	J D	< 14	
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 1000		-		-		< 300		< 14	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 1000		-		-		560	J D	< 14	
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	2000	J D	-		-		950	J D	< 14	
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	41000	J D	-		-		18000	J D	< 14	
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	3000	J D	-		-		1300	J D	< 14	
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 1000		-		-		< 300		< 14	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	21000	J D	-		-		10000	J D	< 14	
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	2300	J D	-		-		800	J D	< 14	
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	770	J D	-		-		260	J D	< 14	
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	< 1000		-		-		< 300		< 14	
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	1600	D	-		-		460	D	< 14	
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	660	J D	-		-		330	D	< 14	
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	< 1000		-		-		75	J D	< 14	
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	1500	D	-		-		520	D	< 14	
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	< 1000		-		-		< 300		97	D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	1900	D	-		-		810	D	< 14	
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	1300	D	-		-		390	D	< 14	
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	11000		-		-		3800		< 14	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	150000		-		-		62000		97	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	5910		4920		6460		3240		7070	
Antimony	SW6010	2	13.5	25	mg/kg	< 8.4	U *	< 6.9	U *	< 8.9	U *	< 6.1	U *	< 7.4	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	7.1		4.2		13.1		13.5		2.4	
Barium	SW6010	--	--	--	mg/kg	67.2		38.2		54		54		44.5	
Beryllium	SW6010	--	--	--	mg/kg	0.42	J	0.38	J	0.4	J	0.55	J	0.26	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.44	J	0.24	J	0.38	J	0.37	J	0.2	J
Calcium Metal	SW6010	--	--	--	mg/kg	5150		3380		5460		2620		9810	
Chromium	SW6010	43	76.5	110	mg/kg	14.8		15.3		15.3		8.5		17.7	
Cobalt	SW6010	--	--	--	mg/kg	6.6	J	4.4	J	7	J	3.4	J	5.8	J
Copper	SW6010	32	91	150	mg/kg	20.4		9.9		16.7		12.3		8.7	
Iron	SW6010	20000	30000	40000	mg/kg	15500		11100		20900		13600		13800	
Lead	SW6010	36	83	130	mg/kg	45.7		16.1		37.4		1610	D	3.5	
Magnesium	SW6010	--	--	--	mg/kg	3590		2740		4010		1520		6450	
Manganese	SW6010	460	780	1100	mg/kg	152		178		178		102		265	
Mercury	SW6010	0.18	0.64	1.1	mg/kg	0.05	J	0.043	J	0.063	J	0.066	J	< 0.13	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP04-4060_06/28/2020		ND20-BP04-6080_06/28/2020		ND20-BP04-8010_06/28/2020		ND20-BP05-0320_06/27/2020		ND20-BP05-1012_06/27/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**14**		**11.8**		**15.7**		**9.1**		**13.9**	
Potassium	SW6010	--	--	--	mg/kg	607	J	561	J	646	J	307	J	**758**	
Selenium	SW6010	--	--	--	mg/kg	1.6	J	1.2	J	2.2	J	1.1	J	< 4.3	
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.4		< 1.2		< 1.5		< 1		< 1.2	
Sodiium	SW6010	--	--	--	mg/kg	331	J	239	J	354	J	123	J	248	J
Thallium	SW6010	--	--	--	mg/kg	< 3.5		< 2.9		< 3.7		< 2.5		< 3.1	
Vanadium	SW6010	--	--	--	mg/kg	**25.7**		**18.5**		**26.9**		**19.4**		**29.6**	
Zinc	SW6010	120	290	460	mg/kg	**105**	*	**52.5**	*	**83.2**	*	**95.6**	*	**34.4**	*
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP04-4060_06/28/2020		ND20-BP04-6080_06/28/2020		ND20-BP04-8010_06/28/2020		ND20-BP05-0320_06/27/2020		ND20-BP05-1012_06/27/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
2-Butanone	SW8260	--	--	--	µg/kg	4.6	J	4.3	J	8.5	J	6.9	J	< 6.1	
2-Hexanone	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Acetone	SW8260	--	--	--	µg/kg	**74**		**130**		**520**	E	**48**		**56**	
Benzene	SW8260	57	83.5	110	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Bromoform	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Bromomethane	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Chloroethane	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Chloroform	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Chloromethane	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Cyclohexane	SW8260	--	--	--	µg/kg	< 7.5		< 7		**9.4**		< 7.2		< 6.1	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 38		< 35		< 44		< 36		< 30	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Methycylohexane	SW8260	--	--	--	µg/kg	**15**		**15**		**71**		51		< 6.1	
Methylene Chloride	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		3.2	J
o-Xylene	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Styrene	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Toluene	SW8260	890	1345	1800	µg/kg	0.65	J	0.58	J	< 8.9		< 7.2		< 6.1	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 7.5		0.6	J	< 8.9		< 7.2		< 6.1	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Trichloroethene	SW8260	--	--	--	µg/kg	< 7.5		0.58	J	< 8.9		< 7.2		< 6.1	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 7.5		< 7		< 8.9		< 7.2		< 6.1	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 15		< 14		< 18		< 14		< 12	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP04-4060_06/28/2020		ND20-BP04-6080_06/28/2020		ND20-BP04-8010_06/28/2020		ND20-BP05-0320_06/27/2020		ND20-BP05-1012_06/27/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP04-4060_06/28/2020		ND20-BP04-6080_06/28/2020		ND20-BP04-8010_06/28/2020		ND20-BP05-0320_06/27/2020		ND20-BP05-1012_06/27/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	550	J	150	J	500	J	< 910		< 21	
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 150		< 48		< 130		< 190		< 4.3	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 750		< 240		< 630		< 910		< 21	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 750		< 240		< 630		< 910		< 21	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 150		< 48	U *	< 130		< 190		< 4.3	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	620	J	< 240	U *	< 630		< 910		< 21	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 7500		< 2400		< 6300		< 9100		< 210	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 750		< 240		< 630		< 910		< 21	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 750		< 240		< 630		< 910		< 21	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 150		< 48		< 130		< 190		< 4.3	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 750		< 240		< 630		< 910		< 21	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	**7200**		**5000**	*	**6100**		**1600**		0.72	J
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	210	J	150	J	< 630		< 910		< 21	
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 3900		< 1200		< 3200		< 4700		< 110	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 750		< 240	U *	< 630		< 910		< 21	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 750		< 240		< 630		< 910		< 21	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 3900		< 1200		< 3200		< 4700		< 110	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 3900		< 1200		< 3200		< 4700		< 110	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 750		< 240		< 630		< 910		< 21	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 750		< 240	U *	< 630		< 910		< 21	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 750		< 240		< 630		< 910		< 21	
4-Methylphenol	SW8270D	--	--	--	µg/kg	320	J	**320**		220	J	< 910		< 21	
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 3900		< 1200		< 3200		< 4700		< 110	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	**660**		**< 48**		**< 130**		**220**		**< 4.3**	
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	**< 150**		**< 48**		**< 130**		**< 190**		**< 4.3**	
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 1500		< 480		< 1300		< 1900		**1.1**	J
Anthracene	SW8270D	57.2	451	845	µg/kg	**280**		**150**		**340**		**120**	J	**0.5**	J
Atrazine	SW8270D	--	--	--	µg/kg	< 1500		< 480		< 1300		< 1900		< 43	
Benzaldehyde	SW8270D	--	--	--	µg/kg	< 1500		< 480		< 1300		< 1900		**8.5**	J
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	**420**		**210**		**560**		**210**		**1.2**	J
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	**300**		**230**		**1200**		**220**		< 4.3	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	**420**		**310**		**1300**		**170**	J	< 4.3	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	**250**		**200**		**1700**		**330**		< 4.3	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	**120**	J	**85**		**500**		**49**	J	< 4.3	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	**300**	J	**190**	J	**1100**		**260**	J	< 21	
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 750		< 240	U *	< 630		< 910		< 21	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 150		< 48		< 130		< 190		< 4.3	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 7500		< 2400		< 6300		< 9100		< 210	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 750		< 240		< 630		< 910		**2.4**	J
Caprolactam	SW8270D	--	--	--	µg/kg	< 3900		< 1200	U *	< 3200		< 4700		< 110	
Carbazole	SW8270D	--	--	--	µg/kg	85	J	**30**	J	< 130		< 190		**0.34**	J
Chrysene	SW8270D	166	728	1290	µg/kg	**570**		**390**		**710**		**290**		**1.1**	J
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	**< 150**		**< 48**		**550**		**< 190**		< 4.3	
Dibenzofuran	SW8270D	150	365	580	µg/kg	**540**	J	**300**		**410**	J	**250**	J	< 21	
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	**< 750**		< 240		**< 630**		**< 910**		**0.6**	J
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	**< 750**		< 240		**< 630**		**< 910**		< 21	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 750		< 240		< 630		< 910		**0.98**	J
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	**< 750**		< 240		**< 630**		**< 910**		< 21	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**1000**		**530**		**1400**		**410**		**1.8**	J
Fluorene	SW8270D	77.4	307	536	µg/kg	**720**		**620**		**650**		**280**		**0.64**	J
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 150		< 48		< 130		< 190		< 4.3	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 150		< 48	U *	< 130		< 190		< 4.3	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 750		< 240		< 630		< 910		< 21	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 750		< 240		< 630		< 910		< 21	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	**180**		**130**		**1300**		**130**	J	< 4.3	
Isophorone	SW8270D	--	--	--	µg/kg	< 750		< 240	U *	< 630		< 910		< 21	
Naphthalene	SW8270D	176	369	561	µg/kg	**2200**		**1400**	*	**1400**		**710**		**0.82**	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP04-4060_06/28/2020		ND20-BP04-6080_06/28/2020		ND20-BP04-8010_06/28/2020		ND20-BP05-0320_06/27/2020		ND20-BP05-1012_06/27/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 1500		< 480	U *	< 1300		< 1800		< 43	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 150		< 48		< 130		< 190		< 4.3	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 750		< 240		< 630		< 910		< 21	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 750		< 240	U *	< 630		< 910		< 21	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 3900		< 1200		< 3200		< 4700		< 110	
Phenanthrene	SW8270D	204	687	1170	µg/kg	1500		870		1500		780		2	J
Phenol	SW8270D	4200	8100	12000	µg/kg	83	J	94	J	< 630		< 910		< 21	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 3900		< 1200		< 3200		< 4700		< 110	
Pyrene	SW8270D	195	858	1520	µg/kg	880		410		1000		490		1.6	J
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP04-4060_06/28/2020		ND20-BP04-6080_06/28/2020		ND20-BP04-8010_06/28/2020		ND20-BP05-0320_06/27/2020		ND20-BP05-1012_06/27/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP04		ND20-BP04		ND20-BP04		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP04-4060_06/28/2020		ND20-BP04-6080_06/28/2020		ND20-BP04-8010_06/28/2020		ND20-BP05-0320_06/27/2020		ND20-BP05-1012_06/27/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0.3 - 2		10 - 12	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**51**		**45**		**53**		**39**		**28**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**205000**		**127000**		**166000**		**131000**		**6000**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP05-1214_06/27/2020		ND20-BP05-2040_06/27/2020		ND20-BP05-4060_06/27/2020		ND20-BP05-6080_06/27/2020		ND20-BP05-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		460	D	460	D	25	D	44	D
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	< 17		520	D	730	D	37	D	66	D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	< 17		90	D	80	J D	6.5	J D	6.4	J D
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	< 17		< 46		24	J D	< 20		< 19	
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	< 17		76	D	75	J D	17	J D	6.5	J D
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	< 17		190	D	200	D	68	D	27	D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	< 17		210	D	150	D	60	D	25	D
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	< 17		95	D	140	D	43	D	19	D
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	< 17		100	D	89	J D	24	D	14	J D
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	< 17		86	D	140	D	43	D	18	J D
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	< 17		140	D	96	D	35	D	16	J D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		180	J D	210	J D	36	J D	< 19	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		590	J D	550	J D	140	J D	71	J D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		180	J D	160	J D	< 20		< 19	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		630	J D	720	J D	38	J D	68	J D
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		< 46		430	J D	70	J D	< 19	
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		180	J D	170	J D	26	J D	< 19	
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		390	J D	430	J D	85	J D	65	J D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		590	J D	260	J D	23	J D	43	J D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		3500	J D	2900	J D	110	J D	200	J D
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		620	J D	600	J D	67	J D	56	J D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		92	J D	96	J D	< 20		< 19	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		400	J D	250	J D	29	J D	47	J D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		370	J D	200	J D	37	J D	37	J D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		3700	J D	3900	J D	210	J D	300	J D
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		630	J D	600	J D	61	J D	45	J D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		< 46		< 90		< 20		< 19	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		2800		2100	J D	170	J D	270	J D
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		400	J D	510	J D	51	J D	34	J D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	< 17		160	D	200	D	65	D	27	D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	< 17		38	J D	27	J D	9.6	J D	4.9	J D
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	< 17		330	D	310	D	110	D	57	D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	< 17		100	D	94	D	13	J D	6.1	J D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	< 17		130	D	89	J D	26	D	13	J D
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	< 17		150	D	130	D	20	D	16	J D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	140	D	110	D	120	D	310	D	200	D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	< 17		370	D	330	D	88	D	47	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	< 17		430	D	360	D	170	D	61	D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	< 17		2600		2400		760		350	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	140		18000		17000		2300		1800	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	7330		3290		4630		8530		5810	
Antimony	SW6010	2	13.5	25	mg/kg	< 5.5	U *	< 6.3	U *	< 5.8	U *	< 8.8	U *	< 7	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	2.3		3.4		4.7		3		2.5	
Barium	SW6010	--	--	--	mg/kg	43.3		20.6	J	24.8		53		36.6	
Beryllium	SW6010	--	--	--	mg/kg	0.27	J	0.23	J	0.23	J	0.33	J	0.25	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.18	J	0.17	J	0.2	J	0.28	J	0.18	J
Calcium Metal	SW6010	--	--	--	mg/kg	10800		2030		4030		11800		7610	
Chromium	SW6010	43	76.5	110	mg/kg	20.6		7.9		17.1		22.1		14.9	
Cobalt	SW6010	--	--	--	mg/kg	5.9		3.3	J	4.1	J	6.8	J	5.1	J
Copper	SW6010	32	91	150	mg/kg	9.2		6.4		8.5		13.3		8.9	
Iron	SW6010	20000	30000	40000	mg/kg	14700		9590		11800		14900		10800	
Lead	SW6010	36	83	130	mg/kg	3.5		15.4		12.5		5.7		5.4	
Magnesium	SW6010	--	--	--	mg/kg	6800		1670		2780		7560		4720	
Manganese	SW6010	460	780	1100	mg/kg	362		106		182		331		192	
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.11		< 0.12		< 0.13		< 0.14		< 0.13	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP05-1214_06/27/2020		ND20-BP05-2040_06/27/2020		ND20-BP05-4060_06/27/2020		ND20-BP05-6080_06/27/2020		ND20-BP05-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**15.7**		**7.3**		**12.3**		**16.9**		**11.7**	
Potassium	SW6010	--	--	--	mg/kg	**798**		333	J	**491**		**916**		550	J
Selenium	SW6010	--	--	--	mg/kg	< 3.2		0.78	J	0.68	J	< 5.1		< 4.1	
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 0.92		< 1.1		< 0.97		< 1.5		< 1.2	
Sodiium	SW6010	--	--	--	mg/kg	273	J	111	J	158	J	292	J	234	J
Thallium	SW6010	--	--	--	mg/kg	< 2.3		< 2.6		< 2.4		< 3.7		< 2.9	
Vanadium	SW6010	--	--	--	mg/kg	**31.4**		**18.5**		**21.4**		**32.5**		**26.7**	
Zinc	SW6010	120	290	460	mg/kg	**33.3**	*	**58.7**	*	**48.7**	*	**45.3**	*	**30**	*
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP05-1214_06/27/2020		ND20-BP05-2040_06/27/2020		ND20-BP05-4060_06/27/2020		ND20-BP05-6080_06/27/2020		ND20-BP05-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
2-Butanone	SW8260	--	--	--	µg/kg	5.7	J	< 6.4		< 5.7		**7.9**		5.3	J
2-Hexanone	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Acetone	SW8260	--	--	--	µg/kg	**35**		**26**		**53**		**79**		**86**	
Benzene	SW8260	57	83.5	110	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Bromoform	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Bromomethane	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Chloroethane	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Chloroform	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Chloromethane	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Cyclohexane	SW8260	--	--	--	µg/kg	< 6.2		0.74	J	< 5.7		< 7.7		< 6.9	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 31		< 32		< 28		< 38		< 35	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Methycylohexane	SW8260	--	--	--	µg/kg	< 6.2		5.4	J	2.4	J	< 7.7		< 6.9	
Methylene Chloride	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		0.38	J
o-Xylene	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Styrene	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Toluene	SW8260	890	1345	1800	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Trichloroethene	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 6.2		< 6.4		< 5.7		< 7.7		< 6.9	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 12		< 13		< 11		< 15		< 14	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP05-1214_06/27/2020		ND20-BP05-2040_06/27/2020		ND20-BP05-4060_06/27/2020		ND20-BP05-6080_06/27/2020		ND20-BP05-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP05-1214_06/27/2020		ND20-BP05-2040_06/27/2020		ND20-BP05-4060_06/27/2020		ND20-BP05-6080_06/27/2020		ND20-BP05-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	**0.7**	J	**62**		< 88		3.3	J	**2**	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 4.3		< 9.1		< 18		< 9.9		< 4.8	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 4.3		< 9.1		< 18		< 9.9		< 4.8	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	< 21		< 45		< 88		< 49		< 24	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 210		< 450		< 880		< 490		< 240	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 4.3		< 9.1		< 18		< 9.9		< 4.8	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	0.41	J	**860**		**520**		**20**		**11**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	< 21		16	J	14	J	2	J	< 24	
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 110		< 230		< 450		< 250		< 120	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 110		< 230		< 450		< 250		< 120	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 110		< 230		< 450		< 250		< 120	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
4-Methylphenol	SW8270D	--	--	--	µg/kg	< 21		30	J	30	J	6.3	J	< 24	
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 110		< 230		< 450		< 250		< 120	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	< 4.3		**71**		< 18		3.8	J	< 4.8	
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	0.42	J	< 9.1		< 18		4.2	J	3.3	J
ACETOPHENONE	SW8270D	--	--	--	µg/kg	0.65	J	< 91		< 180		< 99		< 48	
Anthracene	SW8270D	57.2	451	845	µg/kg	**0.5**	J	**44**		**43**		**7.7**	J	**19**	
Atrazine	SW8270D	--	--	--	µg/kg	< 43		< 91		< 180		< 99		< 48	
Benzaldehyde	SW8270D	--	--	--	µg/kg	**6.6**	J	< 91		< 180		**12**	J	**6.2**	J
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	< 4.3		**100**		**140**		**24**		**21**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	< 4.3		**82**		**99**		**20**		**15**	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	< 4.3		**100**		**130**		**26**		**17**	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	< 4.3		**61**		**76**		**17**		**9.4**	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	< 4.3		**36**		**48**		**6.6**	J	**6.1**	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	< 21		**67**		**74**	J	**14**	J	**7.7**	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 4.3		< 9.1		< 18		< 9.9		< 4.8	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 210		< 450		< 880		< 490		**14**	J
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
Caprolactam	SW8270D	--	--	--	µg/kg	< 110		< 230		< 450		< 250		< 120	
Carbazole	SW8270D	--	--	--	µg/kg	< 4.3		< 9.1		< 18		< 9.9		**2.4**	J
Chrysene	SW8270D	166	728	1290	µg/kg	< 4.3		**120**		**150**		**23**		**18**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	< 4.3		**22**		**35**		< 9.9		< 4.8	
Dibenzofuran	SW8270D	150	365	580	µg/kg	< 21		**100**		**77**	J	**7.1**	J	< 24	
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	< 21	J	< 45		< 88		< 49		< 24	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 21		< 45		< 88		< 49		< 24	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	**1.2**	J	< 45		< 88		< 49		< 24	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 21		< 45		< 88		< 49		< 24	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**0.64**	J	**210**		**260**		**58**		**39**	
Fluorene	SW8270D	77.4	307	536	µg/kg	**0.52**	J	**110**		**73**		**7.8**	J	**5**	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 4.3		< 9.1		< 18		< 9.9		< 4.8	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 4.3		< 9.1		< 18		< 9.9		< 4.8	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	< 4.3		**50**		**70**		**16**		**8.8**	
Isophorone	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
Naphthalene	SW8270D	176	369	561	µg/kg	**0.4**	J	**230**		**120**		**13**		**5.6**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP05-1214_06/27/2020		ND20-BP05-2040_06/27/2020		ND20-BP05-4060_06/27/2020		ND20-BP05-6080_06/27/2020		ND20-BP05-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 42		< 91		< 180		< 99		< 48	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 4.3		< 9.1		< 18		< 9.9		< 4.8	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 21		< 45		< 88		< 49		< 24	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 110		< 230		< 450		< 250		< 120	
Phenanthrene	SW8270D	204	687	1170	µg/kg	0.77	J	270		230		36		33	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 21		< 45		< 88		< 49		< 24	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 110		< 230		< 450		< 250		< 120	
Pyrene	SW8270D	195	858	1520	µg/kg	< 4.3		230		250		53		32	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05	
					Sample ID	ND20-BP05-1214_06/27/2020		ND20-BP05-2040_06/27/2020		ND20-BP05-4060_06/27/2020		ND20-BP05-6080_06/27/2020		ND20-BP05-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05		ND20-BP05	
						Sample ID	ND20-BP05-1214_06/27/2020		ND20-BP05-2040_06/27/2020		ND20-BP05-4060_06/27/2020		ND20-BP05-6080_06/27/2020		ND20-BP05-8010_06/27/2020	
						Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
						Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
						Sample type	N		N		N		N		N	
							--		--		--		--		--	
Pesticides																
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g		-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g		-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g		-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g		-		-		-		-		-	
Other																
Acid volatile sulfides	SW6010	--	--	--	mg/kg		-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg		-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg		-		-		-		-		-	
Moisture	D2216	--	--	--	%		-		-		-		-		-	
Moisture	SM2540	--	--	--	%		**28**		**37**		**34**		**49**		**44**	
Total Organic Carbon	SW9060	--	--	--	mg/kg		**5880**		**47500**	N	**26400**		**25300**		**13500**	
Total Organic Carbon	TOC	--	--	--	mg/kg		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06	
					Sample ID	ND20-BP05-SURF_07/02/2020		ND20-BP06-SURF_06/25/2020		ND20-BP06-0320_06/27/2020		ND20-BP06-1012_06/27/2020		ND20-BP06-1214_06/27/2020	
					Date	07-02-2020		06-25-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0 - 0.3		0.3 - 2		10 - 12		12 - 14	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	380	D	300	D	6700	E D	-		-	
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	520	D	420	D	4800	E D	-		-	
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	43	J D	24	J D	1200	D	-		-	
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	28	J D	24	J D	300	D	-		-	
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	78	D	66	D	810	D	-		-	
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	250	D	230	D	1300	D	-		-	
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	280	D	250	D	1300	D	-		-	
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	280	D	240	D	880	D	-		-	
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	160	D	150	D	930	D	-		-	
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	220	D	230	D	660	D	-		-	
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	230	D	200	D	1100	D	-		-	
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	300	J D	220	D	2500	J D	-		-	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	550	J D	530	D	4500	J D	-		-	
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	230	J D	120	D	4600	J D	-		-	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	600	J D	490	D	7000	J D	-		-	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	530	J D	410	D	< 260		-		-	
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	230	J D	190	D	1600	J D	-		-	
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	490	J D	380	D	3600	J D	-		-	
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	400	J D	220	D	8600	J D	-		-	
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	1900	J D	1300	D	42000	J D	-		-	
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	630	J D	450	D	12000	J D	-		-	
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	130	J D	180	D	1500	J D	-		-	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	300	J D	300	D	2400	J D	-		-	
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	370	J D	260	D	6900	J D	-		-	
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	1900	J D	1500	D	73000	J D	-		-	
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	460	J D	350	D	6200	J D	-		-	
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	75	J D	90	D	710	D	-		-	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	1700	J D	1200	D	64000	J D	-		-	
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	420	J D	310	D	3200	J D	-		-	
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	300	D	270	D	1600	D	-		-	
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	64	D	52	D	230	J D	-		-	
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	500	D	480	D	1800	D	-		-	
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	100	D	77	D	1300	D	-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	150	D	140	D	390	D	-		-	
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	250	D	240	D	1000	D	-		-	
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	140	D	160	D	380	D	-		-	
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	420	D	300	D	5000	E D	-		-	
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	420	D	400	D	2400	D	-		-	
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	3500		3200		21000		-		-	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	15000		12000		270000		-		-	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	18500		25300		7190		7360		6680	
Antimony	SW6010	2	13.5	25	mg/kg	< 12.1	U *	< 14.7	U *	< 7.6	J *	< 5.6	U *	< 5.8	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	10.7		8.9		10.2		2.6		2.4	
Barium	SW6010	--	--	--	mg/kg	168		195		93.5		48.1		40.5	
Beryllium	SW6010	--	--	--	mg/kg	0.91	J	< 1.2	J	0.71		0.31	J	0.28	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.83	J	0.95	J	0.85		0.19	J	0.17	J
Calcium Metal	SW6010	--	--	--	mg/kg	10600		13000		5090		11400		8360	
Chromium	SW6010	43	76.5	110	mg/kg	44.3		55.6		18.8		18		16.5	
Cobalt	SW6010	--	--	--	mg/kg	14.5		17.7		7.2		6.3		5.8	
Copper	SW6010	32	91	150	mg/kg	37.6		40.7		51.9		10.2		9.3	
Iron	SW6010	20000	30000	40000	mg/kg	46800		52200		19700		14900		14100	
Lead	SW6010	36	83	130	mg/kg	45.2		38.7		121		3.7		3.1	
Magnesium	SW6010	--	--	--	mg/kg	10200		13300		4000		7260		5540	
Manganese	SW6010	460	780	1100	mg/kg	913		1190		236	*	313	*	359	*
Mercury	SW6010	0.18	0.64	1.1	mg/kg	0.11	J	0.18	J	0.17		< 0.12		< 0.12	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06	
					Sample ID	ND20-BP05-SURF_07/02/2020		ND20-BP06-SURF_06/25/2020		ND20-BP06-0320_06/27/2020		ND20-BP06-1012_06/27/2020		ND20-BP06-1214_06/27/2020	
					Date	07-02-2020		06-25-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0 - 0.3		0.3 - 2		10 - 12		12 - 14	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**35.8**		**43.6**		**17.8**		**14.6**		**13.2**	
Potassium	SW6010	--	--	--	mg/kg	**2370**		**3310**		**826**		**802**		**712**	
Selenium	SW6010	--	--	--	mg/kg	1.7	J	2.5	J	1.7	J	< 3.3		< 3.4	
Silver	SW6010	1.6	1.9	2.2	mg/kg	0.2	J	**< 2.5**		< 1.3		< 0.93		< 0.97	
Sodiium	SW6010	--	--	--	mg/kg	409	J	497	J	192	J	251	J	241	J
Thallium	SW6010	--	--	--	mg/kg	< 5	U *	< 6.1	U *	< 3.2	U *	< 2.3	U *	< 2.4	U *
Vanadium	SW6010	--	--	--	mg/kg	**52.1**		**66.7**		**27.5**		**33**		**30.6**	
Zinc	SW6010	120	290	460	mg/kg	**183**		**189**		**181**		**35.9**		**31.3**	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06	
					Sample ID	ND20-BP05-SURF_07/02/2020		ND20-BP06-SURF_06/25/2020		ND20-BP06-0320_06/27/2020		ND20-BP06-1012_06/27/2020		ND20-BP06-1214_06/27/2020	
					Date	07-02-2020		06-25-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0 - 0.3		0.3 - 2		10 - 12		12 - 14	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 12		0.34	J	< 8.2		< 6.3		< 6.5	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 12		0.21	J	< 8.2		< 6.3		< 6.5	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 12		1.3	J	< 8.2		< 6.3		< 6.5	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 12		0.27	J	< 8.2		< 6.3		< 6.5	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 12		0.48	J	< 8.2		< 6.3		< 6.5	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 12		0.17	J	< 8.2		< 6.3		< 6.5	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 12		0.44	J	< 8.2		< 6.3		< 6.5	
2-Butanone	SW8260	--	--	--	µg/kg	< 12		**21**		6.3	J	< 6.3		< 6.5	
2-Hexanone	SW8260	--	--	--	µg/kg	< 12		0.33	J	< 8.2		< 6.3		< 6.5	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 12		3.1	J	< 8.2		< 6.3		< 6.5	
Acetone	SW8260	--	--	--	µg/kg	27	J	**110**		**130**		**46**		**56**	
Benzene	SW8260	57	83.5	110	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Bromoform	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Bromomethane	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Chloroethane	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Chloroform	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Chloromethane	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Cyclohexane	SW8260	--	--	--	µg/kg	< 12		< 14		2.2	J	< 6.3		< 6.5	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 12		0.28	J	< 8.2		< 6.3		< 6.5	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 12		0.23	J	< 8.2		< 6.3		< 6.5	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 12		0.35	J	< 8.2		< 6.3		< 6.5	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 12		0.46	J	< 8.2		< 6.3		< 6.5	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 61		< 68		< 41		< 31		< 32	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Methycylohexane	SW8260	--	--	--	µg/kg	< 12		0.19	J	**8.6**		< 6.3		< 6.5	
Methylene Chloride	SW8260	--	--	--	µg/kg	< 12	J	< 14		< 8.2	J	< 6.3		< 6.5	J
o-Xylene	SW8260	--	--	--	µg/kg	< 12		0.25	J	< 8.2		< 6.3		< 6.5	
Styrene	SW8260	--	--	--	µg/kg	< 12		0.28	J	< 8.2		< 6.3		< 6.5	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Toluene	SW8260	890	1345	1800	µg/kg	< 12		0.43	J	< 8.2		< 6.3		< 6.5	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Trichloroethene	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 12		< 14		< 8.2		< 6.3		< 6.5	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 24		0.6	J	< 16		< 13		< 13	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06	
					Sample ID	ND20-BP05-SURF_07/02/2020		ND20-BP06-SURF_06/25/2020		ND20-BP06-0320_06/27/2020		ND20-BP06-1012_06/27/2020		ND20-BP06-1214_06/27/2020	
					Date	07-02-2020		06-25-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0 - 0.3		0.3 - 2		10 - 12		12 - 14	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06	
					Sample ID	ND20-BP05-SURF_07/02/2020		ND20-BP06-SURF_06/25/2020		ND20-BP06-0320_06/27/2020		ND20-BP06-1012_06/27/2020		ND20-BP06-1214_06/27/2020	
					Date	07-02-2020		06-25-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0 - 0.3		0.3 - 2		10 - 12		12 - 14	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	200	J	100	J	< 1000		< 21		< 22	
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 150		< 150		< 210		< 4.3		< 4.4	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 150		< 150		< 210		< 4.3		< 4.4	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	< 740		< 750		< 1000		< 21		< 22	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 7400		< 7500		< 10000		< 210		< 220	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 150		< 150		< 210		< 4.3		< 4.4	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	1800		880		5500		< 4.3		< 4.4	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	< 740		< 750		100	J	< 21		< 22	
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 3800		< 3900		< 5400		< 110		< 110	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 3800		< 3900		< 5400		< 110		< 110	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 3800		< 3900		< 5400		< 110		< 110	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
4-Methylphenol	SW8270D	--	--	--	µg/kg	87	J	60	J	380	J	< 21		< 22	
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 3800		< 3900		< 5400		< 110		< 110	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	130	J	65	J	940		< 4.3		< 4.4	
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	93	J	74	J	< 210		< 4.3		< 4.4	
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 1500		< 1500		< 2100		< 43		< 44	
Anthracene	SW8270D	57.2	451	845	µg/kg	150	J	110	J	< 210		< 4.3		< 4.4	
Atrazine	SW8270D	--	--	--	µg/kg	< 1500		< 1500		< 2100		< 43		< 44	
Benzaldehyde	SW8270D	--	--	--	µg/kg	< 1500		< 1500		< 2100		2.1	J	4.2	J
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	430		320		1200		< 4.3		< 4.4	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	400		310		1100		< 4.3		< 4.4	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	440		390		960		< 4.3		< 4.4	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	320		230		1100		< 4.3		< 4.4	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	170		110	J	290		< 4.3		< 4.4	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	360	J	250	J	1200		< 21		< 22	
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 150		< 150		< 210		< 4.3		< 4.4	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 7400		< 7500		< 10000		< 210		< 220	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		3.5	J
Caprolactam	SW8270D	--	--	--	µg/kg	< 3800		< 3900		< 5400		9.6	J	< 110	
Carbazole	SW8270D	--	--	--	µg/kg	77	J	43	J	< 210		< 4.3		< 4.4	
Chrysene	SW8270D	166	728	1290	µg/kg	530		350		1500		< 4.3		< 4.4	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	220		190		< 210		< 4.3		< 4.4	
Dibenzofuran	SW8270D	150	365	580	µg/kg	300	J	170	J	880	J	< 21		< 22	
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	< 740		< 750		< 1000		< 21		< 22	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 740		< 750		< 1000		< 21		< 22	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 740		< 750		< 1000		< 21		< 22	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 740		< 750		< 1000		< 21		< 22	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	620		470		1400		< 4.3		0.41	J
Fluorene	SW8270D	77.4	307	536	µg/kg	250		130	J	1800		< 4.3		< 4.4	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 150		< 150		< 210		< 4.3		< 4.4	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 150		< 150		< 210		< 4.3		< 4.4	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	240		170		520		< 4.3		< 4.4	
Isophorone	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
Naphthalene	SW8270D	176	369	561	µg/kg	970		490		1600		< 4.3		< 4.4	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06	
					Sample ID	ND20-BP05-SURF_07/02/2020		ND20-BP06-SURF_06/25/2020		ND20-BP06-0320_06/27/2020		ND20-BP06-1012_06/27/2020		ND20-BP06-1214_06/27/2020	
					Date	07-02-2020		06-25-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0 - 0.3		0.3 - 2		10 - 12		12 - 14	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 1500		< 1500		< 2100		< 43		< 44	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 150		< 150		< 210		< 4.3		< 4.4	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 740		< 750		< 1000		< 21		< 22	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 3800		< 3900		< 5400		< 110		< 110	
Phenanthrene	SW8270D	204	687	1170	µg/kg	680		430		4600		< 4.3		< 4.4	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 740		< 750		< 1000		< 21		< 22	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 3800		< 3900		< 5400		< 110		< 110	
Pyrene	SW8270D	195	858	1520	µg/kg	680		490		2100		< 4.3		< 4.4	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06	
					Sample ID	ND20-BP05-SURF_07/02/2020		ND20-BP06-SURF_06/25/2020		ND20-BP06-0320_06/27/2020		ND20-BP06-1012_06/27/2020		ND20-BP06-1214_06/27/2020	
					Date	07-02-2020		06-25-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0 - 0.3		0.3 - 2		10 - 12		12 - 14	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	< 100		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	< 100		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	< 100		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	< 100		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	< 100		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	< 100		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	**20**	J	-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	< 100		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	< 100		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	**20**		-		-		-		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	< 3.9		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	< 5.1		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	**< 4.5**		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP05		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06	
					Sample ID	ND20-BP05-SURF_07/02/2020		ND20-BP06-SURF_06/25/2020		ND20-BP06-0320_06/27/2020		ND20-BP06-1012_06/27/2020		ND20-BP06-1214_06/27/2020	
					Date	07-02-2020		06-25-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	0 - 0.3		0 - 0.3		0.3 - 2		10 - 12		12 - 14	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	**250**	B	-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	**390**	B	-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	< 7.3	J B	-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	< 7.3	J B	-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	**6.7**	J	-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	**15**	B	-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	**9.9**	I	-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	**9.1**		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	< 7.3		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	**2.4**	J	-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	**1**	J	-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	**2.6**	J	-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	**1.9**	J	-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	**0.97**	J	-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	**2**		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	**2300**	B	-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	**280**	B	-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**200**		**210**		**58**		**29**		**31**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**93900**		**67600**		**160000**		**11100**		**6530**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP07	
					Sample ID	ND20-BP06-2040_06/27/2020		ND20-BP06-4060_06/27/2020		ND20-BP06-6080_06/27/2020		ND20-BP06-8010_06/27/2020		ND20-BP07-0320_06/28/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-28-2020	
					Sample depth (ftbss)	2 - 4		4 - 6		6 - 8		8 - 10		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	3.8	J	3.6	J	-		-		990	D
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	3.5	J	3	J	-		-		1200	D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	0.81	J	1.1	J	-		-		290	D
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	< 4.6		< 4.4		-		-		120	D
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	< 4.6		< 4.4		-		-		220	D
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	1.4	J	1	J	-		-		500	D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	1.6	J	1.7	J	-		-		580	D
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	1.5	J	< 4.4		-		-		440	D
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	1.5	J	< 4.4		-		-		470	D
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	< 4.6		< 4.4		-		-		270	D
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	< 4.6		1.2	J	-		-		620	D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.6		< 4.4		-		-		1300	D
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	5.3	J	5.9	J	-		-		2900	D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	4.9	J	4.7	J	-		-		2300	D
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	4.6	J	< 4.4		-		-		< 100	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	8.5	J	9.9	J	-		-		2100	D
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.6		< 4.4		-		-		1400	D
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	8.8	J	4.5	J	-		-		2400	D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	7	J	8.2	J	-		-		5400	D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	34	J	34	J	-		-		6600	D
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	8.1	J	11	J	-		-		2900	D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.6		< 4.4		-		-		1300	D
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.6		< 4.4		-		-		2500	D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	6	J	7.5	J	-		-		6000	D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	57	J	75	J	-		-		11000	J D
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	5	J	6.4	J	-		-		3300	D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.6		< 4.4		-		-		630	D
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	42	J	59	J	-		-		22000	D
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	5.2	J	< 4.4		-		-		2600	D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	1.7	J	1.6	J	-		-		720	D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	< 4.6		< 4.4		-		-		130	D
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	2.1	J	2	J	-		-		980	D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	1.5	J	1.4	J	-		-		380	D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	< 4.6		< 4.4		-		-		230	D
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	1.8	J	1.2	J	-		-		380	D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	230	D	86	D	-		-		150	D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	4.2	J	4.1	J	-		-		900	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	2.5	J	2.1	J	-		-		1100	D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	21		16		-		-		7700	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	420		330		-		-		85000	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	9030		8100		6870		6700		5560	
Antimony	SW6010	2	13.5	25	mg/kg	< 6.5	U *	< 6.2	U *	< 6.1	U *	< 5.6	U *	< 7.5	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	2.2		2.4		2.6		2		11.1	
Barium	SW6010	--	--	--	mg/kg	57.6		49.8		42.6		39.1		89	
Beryllium	SW6010	--	--	--	mg/kg	0.33	J	0.3	J	0.27	J	0.26	J	0.79	
Cadmium	SW6010	0.99	3	5	mg/kg	0.25	J	0.21	J	0.18	J	0.17	J	0.8	
Calcium Metal	SW6010	--	--	--	mg/kg	10200		9600		9140		10100		4600	*
Chromium	SW6010	43	76.5	110	mg/kg	23.1		20		17.6		17.1		15.2	
Cobalt	SW6010	--	--	--	mg/kg	7.3		6.8		5.8		5.6		6.4	
Copper	SW6010	32	91	150	mg/kg	10.6		10		9		8.1		64.5	
Iron	SW6010	20000	30000	40000	mg/kg	15700		14800		13700		13800		19100	
Lead	SW6010	36	83	130	mg/kg	4		4		3.4		3.2		96.4	
Magnesium	SW6010	--	--	--	mg/kg	7250		6650		6060		6510		2990	
Manganese	SW6010	460	780	1100	mg/kg	282	*	245	*	244	*	241	*	230	*
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.14		< 0.11	J	< 0.11		< 0.11		0.12	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP07	
					Sample ID	ND20-BP06-2040_06/27/2020		ND20-BP06-4060_06/27/2020		ND20-BP06-6080_06/27/2020		ND20-BP06-8010_06/27/2020		ND20-BP07-0320_06/28/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-28-2020	
					Sample depth (ftbss)	2 - 4		4 - 6		6 - 8		8 - 10		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**16.9**		**15.3**		**13.4**		**12.9**		**15.5**	
Potassium	SW6010	--	--	--	mg/kg	**1050**		**853**		**730**		**717**		**631**	
Selenium	SW6010	--	--	--	mg/kg	< 3.8		< 3.6		< 3.5		< 3.2		4.2	J
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.1		< 1		< 1		< 0.93		0.12	J
Sodiium	SW6010	--	--	--	mg/kg	271	J	270	J	248	J	260	J	218	J
Thallium	SW6010	--	--	--	mg/kg	< 2.7	U *	< 2.6	U *	< 2.5	U *	< 2.3	U *	< 3.1	
Vanadium	SW6010	--	--	--	mg/kg	**32.5**		**31.9**		**33.5**		**32.2**		**21.8**	
Zinc	SW6010	120	290	460	mg/kg	**46.3**		**41.3**		**34.3**		**31.6**		**189**	*
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP07	
					Sample ID	ND20-BP06-2040_06/27/2020		ND20-BP06-4060_06/27/2020		ND20-BP06-6080_06/27/2020		ND20-BP06-8010_06/27/2020		ND20-BP07-0320_06/28/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-28-2020	
					Sample depth (ftbss)	2 - 4		4 - 6		6 - 8		8 - 10		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
2-Butanone	SW8260	--	--	--	µg/kg	< 6.8		4.6	J	5.2	J	4.4	J	6.7	J
2-Hexanone	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Acetone	SW8260	--	--	--	µg/kg	**76**		**74**		**79**		**55**		**100**	
Benzene	SW8260	57	83.5	110	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Bromoform	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Bromomethane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Chloroethane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Chloroform	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Chloromethane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Cyclohexane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 34		< 31		< 33		< 30		< 43	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Methycylohexane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Methylene Chloride	SW8260	--	--	--	µg/kg	< 6.8	J	< 6.3	J	< 6.7		< 6.1		< 8.7	
o-Xylene	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Styrene	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Toluene	SW8260	890	1345	1800	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Trichloroethene	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 6.8		< 6.3		< 6.7		< 6.1		< 8.7	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 14		**13**		< 13		< 12		< 17	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP07	
					Sample ID	ND20-BP06-2040_06/27/2020		ND20-BP06-4060_06/27/2020		ND20-BP06-6080_06/27/2020		ND20-BP06-8010_06/27/2020		ND20-BP07-0320_06/28/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-28-2020	
					Sample depth (ftbss)	2 - 4		4 - 6		6 - 8		8 - 10		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP07	
					Sample ID	ND20-BP06-2040_06/27/2020		ND20-BP06-4060_06/27/2020		ND20-BP06-6080_06/27/2020		ND20-BP06-8010_06/27/2020		ND20-BP07-0320_06/28/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-28-2020	
					Sample depth (ftbss)	2 - 4		4 - 6		6 - 8		8 - 10		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	**1.2**	J	1.3	J	< 21		< 22		430	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 4.5		< 4.4		< 4.3		< 4.5		< 130	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 4.5		< 4.4		< 4.3		< 4.5		< 130	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	< 22		< 22		< 21		< 22		**< 660**	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 220		< 220		< 210		< 220		< 6600	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 4.5		< 4.4		< 4.3		< 4.5		< 130	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	**7.1**		**10**		**9.1**		**5.8**		**5200**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	< 22		< 22		< 21		< 22		140	J
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 120		< 110		< 110		< 110		< 3400	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 120		< 110		< 110		< 110		< 3400	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 120		< 110		< 110		< 110		< 3400	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
4-Methylphenol	SW8270D	--	--	--	µg/kg	< 22		**1.2**	J	< 21		< 22		340	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 120		< 110		< 110		< 110		< 3400	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	< 4.5		< 4.4		< 4.3		< 4.5		**670**	
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	< 4.5		< 4.4		< 4.3		< 4.5		**< 130**	
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 45		< 44		< 43		< 45		< 1300	
Anthracene	SW8270D	57.2	451	845	µg/kg	< 4.5		**1**	J	< 4.3		< 4.5		**350**	
Atrazine	SW8270D	--	--	--	µg/kg	< 45		< 44		< 43		< 45		< 1300	
Benzaldehyde	SW8270D	--	--	--	µg/kg	**7.9**	J	**6.5**	J	**6.2**	J	**7.9**	J	< 1300	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	**1.8**	J	**2.7**	J	< 4.3		< 4.5		**890**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	< 4.5		**1.9**	J	< 4.3		< 4.5		**990**	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	**1.5**	J	**2.1**	J	< 4.3		< 4.5		**800**	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	< 4.5		**2.8**	J	< 4.3		< 4.5		**930**	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	**0.35**	J	**0.54**	J	< 4.3		< 4.5		220	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	< 22		**2.3**	J	< 21		< 22		**1100**	
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 4.5		< 4.4		< 4.3		< 4.5		< 130	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 220		< 220		< 210		< 220		< 6600	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
Caprolactam	SW8270D	--	--	--	µg/kg	< 120		< 110		< 110		< 110		< 3400	
Carbazole	SW8270D	--	--	--	µg/kg	< 4.5		< 4.4		< 4.3		< 4.5		< 130	
Chrysene	SW8270D	166	728	1290	µg/kg	**2.1**	J	**3**	J	< 4.3		< 4.5		**1300**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	< 4.5		< 4.4		< 4.3		< 4.5		**310**	
Dibenzofuran	SW8270D	150	365	580	µg/kg	< 22		**1.9**	J	< 21		< 22		**770**	
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	< 22		< 22		< 21		< 22		**< 660**	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 22		< 22		< 21		< 22		**< 660**	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 22		< 22		< 21		< 22		< 660	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 22		< 22		< 21		< 22		**< 660**	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**2.3**	J	**3**	J	**2.5**	J	**2**	J	**1300**	
Fluorene	SW8270D	77.4	307	536	µg/kg	**2.1**	J	**2.8**	J	**2.2**	J	< 4.5		**900**	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 4.5		< 4.4		< 4.3		< 4.5		< 130	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 4.5		< 4.4		< 4.3		< 4.5		< 130	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	< 4.5		< 4.4		< 4.3		< 4.5		**390**	
Isophorone	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
Naphthalene	SW8270D	176	369	561	µg/kg	**2.7**	J	**3.8**	J	**3**	J	**2.1**	J	**1900**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP07	
					Sample ID	ND20-BP06-2040_06/27/2020		ND20-BP06-4060_06/27/2020		ND20-BP06-6080_06/27/2020		ND20-BP06-8010_06/27/2020		ND20-BP07-0320_06/28/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-28-2020	
					Sample depth (ftbss)	2 - 4		4 - 6		6 - 8		8 - 10		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 45		< 43		< 43		< 45		< 1300	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 4.5		< 4.4		< 4.3		< 4.5		< 130	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 22		< 22		< 21		< 22		< 660	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 120		< 110		< 110		< 110		< 3400	
Phenanthrene	SW8270D	204	687	1170	µg/kg	5.1		7.5		7.3		4.8		2000	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 22		< 22		< 21		< 22		< 660	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 120		< 110		< 110		< 110		< 3400	
Pyrene	SW8270D	195	858	1520	µg/kg	3.1	J	< 4.4		2.6	J	2.3	J	1900	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP07	
					Sample ID	ND20-BP06-2040_06/27/2020		ND20-BP06-4060_06/27/2020		ND20-BP06-6080_06/27/2020		ND20-BP06-8010_06/27/2020		ND20-BP07-0320_06/28/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-28-2020	
					Sample depth (ftbss)	2 - 4		4 - 6		6 - 8		8 - 10		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP06		ND20-BP07	
					Sample ID	ND20-BP06-2040_06/27/2020		ND20-BP06-4060_06/27/2020		ND20-BP06-6080_06/27/2020		ND20-BP06-8010_06/27/2020		ND20-BP07-0320_06/28/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-28-2020	
					Sample depth (ftbss)	2 - 4		4 - 6		6 - 8		8 - 10		0.3 - 2	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**36**		**31**		**29**		**35**		**60**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**8420**		**11800**		**6350**		**6820**		**231000**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07	
					Sample ID	ND20-BP07-1012_06/28/2020		ND20-BP07-1214_06/28/2020		ND20-BP07-2040_06/28/2020		ND20-BP07-4060_06/28/2020		ND20-BP07-6080_06/28/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		220	D	91	D	270	B D
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	< 9.5		< 9.7		320	D	180	D	460	D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	< 9.5		< 9.7		25	J D	16	J D	36	D
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	< 9.5		< 9.7		19	J D	15	J D	29	D
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	< 9.5		< 9.7		37	D	31	D	21	D
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	< 9.5		< 9.7		100	D	85	D	54	D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	< 9.5		< 9.7		92	D	78	D	46	D
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	< 9.5		< 9.7		87	D	74	D	49	D
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	< 9.5		< 9.7		57	D	46	D	28	D
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	< 9.5		< 9.7		86	D	77	D	42	D
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	< 9.5		< 9.7		74	D	60	D	37	D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		170	D	160	D	91	D
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		560	D	500	D	260	D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		130	D	93	D	110	D
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		< 34		< 23		< 9.2	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		200	D	150	D	450	D
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		170	D	170	D	95	D
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		330	D	300	D	160	D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		230	D	190	D	110	D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		1200	D	420	D	1400	J D
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		370	D	370	D	290	D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		130	D	130	D	74	D
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		300	D	280	D	140	D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		300	D	290	D	110	D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		1100	D	600	D	1800	J D
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		470	D	520	D	280	D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		80	D	72	D	38	D
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		1200	D	830	D	1200	J D
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 9.5		< 9.7		360	D	410	D	220	D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	< 9.5		< 9.7		120	D	95	D	66	D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	< 9.5		< 9.7		17	J D	13	J D	9.2	D
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	2.6	J D	< 9.7		230	D	220	D	120	D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	< 9.5		< 9.7		63	D	46	D	76	D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	< 9.5		< 9.7		52	D	45	D	27	D
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	< 9.5		< 9.7		83	D	41	D	90	D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	86	D	100	D	54	D	56	D	39	D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	< 9.5		< 9.7		88	D	54	D	120	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	< 9.5		< 9.7		230	D	190	D	100	D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	2.6	J	< 9.7		1400		1100		910	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	89		100		8800		6700		7800	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	11700		12100		3470		3560		4150	
Antimony	SW6010	2	13.5	25	mg/kg	< 6.3	U *	< 5.8	U *	< 7.4	U *	< 6.1	U *	< 7.1	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	3.2		2.9		3.4		3		5.7	
Barium	SW6010	--	--	--	mg/kg	77.3		76.2		19.8	J	18.6	J	23	J
Beryllium	SW6010	--	--	--	mg/kg	0.45	J	0.45	J	0.25	J	0.22	J	0.27	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.31	J	0.3	J	0.17	J	< 0.51		< 0.59	
Calcium Metal	SW6010	--	--	--	mg/kg	12800	*	9250	*	3390	*	3200	*	3420	*
Chromium	SW6010	43	76.5	110	mg/kg	27.8		28.6		8.6		8.8		10.1	
Cobalt	SW6010	--	--	--	mg/kg	9.2		9.1		3.3	J	2.9	J	3.4	J
Copper	SW6010	32	91	150	mg/kg	14.7		13.9		6.2		6.1		7.1	
Iron	SW6010	20000	30000	40000	mg/kg	20300		20200		10500		10900		13500	
Lead	SW6010	36	83	130	mg/kg	5.2		5		16.9		8.1		11.4	
Magnesium	SW6010	--	--	--	mg/kg	9060		7300		2100		2210		2400	
Manganese	SW6010	460	780	1100	mg/kg	518	*	498	*	102	*	104	*	148	*
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.13		< 0.12		< 0.13		< 0.12		< 0.12	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07	
					Sample ID	ND20-BP07-1012_06/28/2020		ND20-BP07-1214_06/28/2020		ND20-BP07-2040_06/28/2020		ND20-BP07-4060_06/28/2020		ND20-BP07-6080_06/28/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**21.4**		**21.6**		**7.6**		**6.9**		**8.2**	
Potassium	SW6010	--	--	--	mg/kg	**1340**		**1330**		369	J	378	J	445	J
Selenium	SW6010	--	--	--	mg/kg	0.67	J	0.71	J	< 4.3		< 3.6		0.72	J
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1		< 0.96		< 1.2		< 1		< 1.2	
Sodiium	SW6010	--	--	--	mg/kg	325	J	306	J	149	J	147	J	157	J
Thallium	SW6010	--	--	--	mg/kg	< 2.6		< 2.4		< 3.1		< 2.6		< 3	
Vanadium	SW6010	--	--	--	mg/kg	**37.1**		**36.2**		**18.6**		**18**		**23.5**	
Zinc	SW6010	120	290	460	mg/kg	**57.3**	*	**59.1**	*	**39.6**	*	**26.2**	*	**29.7**	*
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07	
					Sample ID	ND20-BP07-1012_06/28/2020		ND20-BP07-1214_06/28/2020		ND20-BP07-2040_06/28/2020		ND20-BP07-4060_06/28/2020		ND20-BP07-6080_06/28/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
2-Butanone	SW8260	--	--	--	µg/kg	**9.1**		< 6.6		< 6.9		8		4.2	J
2-Hexanone	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Acetone	SW8260	--	--	--	µg/kg	**130**		48		78		130		90	
Benzene	SW8260	57	83.5	110	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Bromoform	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Bromomethane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Chloroethane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Chloroform	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Chloromethane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		0.083	J
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Cyclohexane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		2.4	J
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 38		< 33		< 34		< 39		< 36	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Methycylohexane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		0.72	J	< 7.7		2.5	J
Methylene Chloride	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		1.6	J	2.8	J	2.1	J
o-Xylene	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Styrene	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Toluene	SW8260	890	1345	1800	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Trichloroethene	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 7.5		< 6.6		< 6.9		< 7.7		< 7.2	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 15		< 13		< 14		< 15		< 14	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07	
					Sample ID	ND20-BP07-1012_06/28/2020		ND20-BP07-1214_06/28/2020		ND20-BP07-2040_06/28/2020		ND20-BP07-4060_06/28/2020		ND20-BP07-6080_06/28/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07	
					Sample ID	ND20-BP07-1012_06/28/2020		ND20-BP07-1214_06/28/2020		ND20-BP07-2040_06/28/2020		ND20-BP07-4060_06/28/2020		ND20-BP07-6080_06/28/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	1.4	J	< 94		91	J	**62**		210	*
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 14		< 19		< 45		< 9.1		< 9.1	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	U *
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	U *
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 14		< 19		< 45		< 9.1		< 9.1	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	< 69		< 94		< 220		< 45		< 45	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 690		< 940		< 2200		< 450		< 450	U *
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	U *
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	U *
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 14		< 19		< 45		< 9.1		< 9.1	U *
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	2.9	J	< 19		**790**		**310**		**770**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	< 69		< 94		26	J	5.2	J	< 45	
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 360		< 490		< 1200		< 230		< 230	U *
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 69		-		< 220		< 45		< 45	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 360		< 490		< 1200		< 230		< 230	U *
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 360		< 490		< 1200		< 230		< 230	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	U *
4-Methylphenol	SW8270D	--	--	--	µg/kg	< 69		< 94		46	J	13	J	24	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 360		< 490		< 1200		< 230		< 230	U *
Acenaphthene	SW8270D	6.7	48	89	µg/kg	**< 14**		**< 19**		**66**		**< 9.1**		**< 9.1**	U *
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	**< 14**		**< 19**		**< 45**		**15**		**< 9.1**	U *
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 140		< 190		< 450		< 91		< 91	
Anthracene	SW8270D	57.2	451	845	µg/kg	**0.58**	J	< 19		**74**		**49**		33	
Atrazine	SW8270D	--	--	--	µg/kg	< 140		< 190		< 450		< 91		< 91	
Benzaldehyde	SW8270D	--	--	--	µg/kg	**23**	J	**11**	J	< 450		< 91		< 91	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	< 14		< 19		**130**		**94**		67	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	< 14		< 19		**100**		**77**		52	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	< 14		< 19		**130**		**89**		76	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	< 14		-		**89**		**67**		46	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	< 14		< 19		**53**		**33**		20	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	< 69		< 94		**88**	J	**62**		43	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 14		< 19		< 45		< 9.1		< 9.1	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 690		< 940		< 2200		< 450		< 450	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	
Caprolactam	SW8270D	--	--	--	µg/kg	< 360		**14**	J	< 1200		< 230		< 230	
Carbazole	SW8270D	--	--	--	µg/kg	< 14		< 19		< 45		< 9.1		< 9.1	
Chrysene	SW8270D	166	728	1290	µg/kg	< 14		< 19		**150**		**97**		84	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	< 14		< 19		**20**	J	**15**		11	
Dibenzofuran	SW8270D	150	365	580	µg/kg	**0.94**	J	< 94		**96**	J	**46**		79	*
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	**2.1**	J	< 94		< 220		< 45		< 45	U *
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 69		< 94		< 220		< 45		< 45	U *
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 69		< 94		< 220		< 45		< 45	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 69		< 94		< 220		< 45		< 45	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**6.4**	J	< 19		**200**		**150**		130	
Fluorene	SW8270D	77.4	307	536	µg/kg	**1.4**	J	< 19		**110**		**56**		**130**	*
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 14		< 19		< 45		< 9.1		< 9.1	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 14		< 19		< 45		< 9.1		< 9.1	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	U *
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	< 14		< 19		**60**		**49**		38	
Isophorone	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	
Naphthalene	SW8270D	176	369	561	µg/kg	**1.9**	J	< 19		**290**		**110**		**250**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07	
					Sample ID	ND20-BP07-1012_06/28/2020		ND20-BP07-1214_06/28/2020		ND20-BP07-2040_06/28/2020		ND20-BP07-4060_06/28/2020		ND20-BP07-6080_06/28/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 140		< 190		< 450		< 90		< 90	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 14		< 19		< 45		< 9.1		< 9.1	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 69		< 94		< 220		< 45		< 45	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	**< 360**		**< 490**		**< 1200**		**< 230**		**< 230**	
Phenanthrene	SW8270D	204	687	1170	µg/kg	2.8	J	< 19		**180**		**74**		150	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 69		< 94		14	J	33	J	< 45	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 360		< 490		< 1200		< 230		< 230	U *
Pyrene	SW8270D	195	858	1520	µg/kg	5.2	J	< 19		**240**		**110**		110	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07	
					Sample ID	ND20-BP07-1012_06/28/2020		ND20-BP07-1214_06/28/2020		ND20-BP07-2040_06/28/2020		ND20-BP07-4060_06/28/2020		ND20-BP07-6080_06/28/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP07	
					Sample ID	ND20-BP07-1012_06/28/2020		ND20-BP07-1214_06/28/2020		ND20-BP07-2040_06/28/2020		ND20-BP07-4060_06/28/2020		ND20-BP07-6080_06/28/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**40**		**43**		**36**		**36**		**36**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**15800**		**14800**		**32400**		**75300**		**24300**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP07-8010_06/28/2020		ND20-BP07-SURF_07/02/2020		ND20-BP07-SURFFD_07/02/2020		ND20-BP08-SURF_06/25/2020		ND20-BP08-0320_06/27/2020	
					Date	06-28-2020		07-02-2020		07-02-2020		06-25-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0 - 0.3		0.3 - 2	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	880	D B	230	D	240	D	240	D	150	D
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	590	D	330	D	330	D	350	D	200	D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	< 95		21	J D	27	J D	17	J D	9.1	J D
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	< 95		18	J D	20	J D	17	J D	13	J D
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	< 95		53	D	58	D	52	D	47	D
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	37	J D	180	D	190	D	190	D	130	D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	< 95		190	D	210	D	200	D	140	D
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	< 95		180	D	230	D	200	D	160	D
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	< 95		100	D	120	D	110	D	88	D
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	< 95		170	D	180	D	180	D	110	D
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	21	J D	160	D	180	D	160	D	110	D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 95		180	J D	200	J D	150	D	130	D
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	120	D	380	J D	410	J D	450	D	270	D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	210	D	99	J D	120	J D	72	D	50	D
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	910	D	380	J D	380	J D	390	D	220	D
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	250	D	330	J D	360	J D	330	D	180	D
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 95		130	J D	150	J D	150	D	100	D
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	100	D	300	J D	360	J D	330	D	220	D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	190	D	190	J D	230	J D	140	D	110	D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	5400	D B	1100	J D	1100	J D	910	D	490	D
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	230	D	360	J D	390	J D	340	D	210	D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 95		74	J D	83	J D	120	D	75	D
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 95		190	J D	200	J D	250	D	160	D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	140	D	180	J D	230	J D	180	D	110	D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	6600	D B	930	J D	1000	J D	980	D	450	D
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	170	D	260	J D	290	J D	260	D	180	D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 95		< 33		49	J D	57	D	41	D
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	3300	D B	770	J D	880	J D	750	D	390	D
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	140	D	280	J D	310	J D	220	D	200	D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	49	J D	210	D	230	D	220	D	150	D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	< 95		41	D	44	D	41	J D	32	D
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	70	J D	350	D	470	D	410	D	280	D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	< 95		54	D	68	D	47	J D	36	D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	< 95		100	D	120	D	110	D	83	D
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	210	D	190	D	190	D	210	D	150	D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	62	J D	130	D	150	D	130	D	130	D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	230	D	240	D	290	D	270	D	150	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	77	J D	300	D	350	D	360	D	230	D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	670		2400		2800		2600		1800	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	19000	B	8800		9900		9000		5600	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	4280		17300		17500		19600		22600	
Antimony	SW6010	2	13.5	25	mg/kg	< 6.6	U *	< 12.1	U *	< 13.2	U *	< 13.1	U *	< 18.5	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	13.6		8		7.4		14.7		13.1	
Barium	SW6010	--	--	--	mg/kg	24.3		157		147		177		177	
Beryllium	SW6010	--	--	--	mg/kg	0.31	J	0.8	J	0.8	J	< 1.1	J	1	J
Cadmium	SW6010	0.99	3	5	mg/kg	< 0.55		0.66	J	0.65	J	0.71	J	0.76	J
Calcium Metal	SW6010	--	--	--	mg/kg	3810	*	9770		9180		9160		10900	*
Chromium	SW6010	43	76.5	110	mg/kg	11.1		41		40		43.6		49.1	
Cobalt	SW6010	--	--	--	mg/kg	4	J	13.2		11.9		14.1		14.4	J
Copper	SW6010	32	91	150	mg/kg	7.8		30.5		30.4		36.7		34.9	
Iron	SW6010	20000	30000	40000	mg/kg	16500		40400		38200		49800		56500	
Lead	SW6010	36	83	130	mg/kg	5.4		32.3		30.9		34.1		35.9	
Magnesium	SW6010	--	--	--	mg/kg	2510		9680		8880		9820		10800	
Manganese	SW6010	460	780	1100	mg/kg	187	*	1110		948		927		807	*
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.13		0.12	J	0.1	J	0.077	J	< 0.33	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP07-8010_06/28/2020		ND20-BP07-SURF_07/02/2020		ND20-BP07-SURFFD_07/02/2020		ND20-BP08-SURF_06/25/2020		ND20-BP08-0320_06/27/2020	
					Date	06-28-2020		07-02-2020		07-02-2020		06-25-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0 - 0.3		0.3 - 2	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**9.1**		**32.6**		**30**		**34.3**		**37.3**	
Potassium	SW6010	--	--	--	mg/kg	408	J	**2250**		**2420**		**2480**		**2910**	
Selenium	SW6010	--	--	--	mg/kg	< 3.8		2	J	2.3	J	**1.6**	J	2.2	J
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.1		0.22	J	< 2.2		< 2.2		< 3.1	
Sodiium	SW6010	--	--	--	mg/kg	165	J	364	J	382	J	411	J	523	J
Thallium	SW6010	--	--	--	mg/kg	< 2.7		< 5.1	U *	< 5.5	U *	< 5.5	U *	< 7.7	
Vanadium	SW6010	--	--	--	mg/kg	**23.4**		**48.7**		**48.7**		**53.2**		**60.2**	
Zinc	SW6010	120	290	460	mg/kg	**25**	*	**148**		**141**		**159**		**172**	*
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP07-8010_06/28/2020		ND20-BP07-SURF_07/02/2020		ND20-BP07-SURFFD_07/02/2020		ND20-BP08-SURF_06/25/2020		ND20-BP08-0320_06/27/2020	
					Date	06-28-2020		07-02-2020		07-02-2020		06-25-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0 - 0.3		0.3 - 2	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		2.6	J
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 6.2		**< 12**		**< 11**		**< 14**		**< 16**	J
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 6.2		< 12		< 11		< 14		< 16	J
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 6.2		< 12		< 11		< 14		< 16	J B
2-Butanone	SW8260	--	--	--	µg/kg	4.3	J	5.2	J	6.1	J	**21**		13	J
2-Hexanone	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Acetone	SW8260	--	--	--	µg/kg	80		40	J	44	J	**110**		**390**	
Benzene	SW8260	57	83.5	110	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Bromoform	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Bromomethane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Chloroethane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Chloroform	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Chloromethane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Cyclohexane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	J
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	J
m,p-Xylene	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	J
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	J
Methyl Acetate	SW8260	--	--	--	µg/kg	< 31		< 59		< 57		< 68		< 81	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Methycylohexane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Methylene Chloride	SW8260	--	--	--	µg/kg	1.9	J	< 12		< 11		< 14		< 16	
o-Xylene	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	J
Styrene	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	J
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Toluene	SW8260	890	1345	1800	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Trichloroethene	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 6.2		< 12		< 11		< 14		< 16	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 12		< 24		< 23		**< 27**		2.9	J
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP07-8010_06/28/2020		ND20-BP07-SURF_07/02/2020		ND20-BP07-SURFFD_07/02/2020		ND20-BP08-SURF_06/25/2020		ND20-BP08-0320_06/27/2020	
					Date	06-28-2020		07-02-2020		07-02-2020		06-25-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0 - 0.3		0.3 - 2	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP07-8010_06/28/2020		ND20-BP07-SURF_07/02/2020		ND20-BP07-SURFFD_07/02/2020		ND20-BP08-SURF_06/25/2020		ND20-BP08-0320_06/27/2020	
					Date	06-28-2020		07-02-2020		07-02-2020		06-25-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0 - 0.3		0.3 - 2	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	370		76	J	75	J	90	J	45	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 25		< 100		< 37		< 210		< 86	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 25		< 100		< 37		< 210		< 86	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	< 120		**< 490**		< 180		**< 1000**		**< 420**	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 1200		< 4900		< 1800		< 10000		< 4200	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 25		< 100		< 37		< 210		< 86	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	**790**		**640**		**680**		**790**		**360**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	< 120		< 490		< 180		< 1000		< 420	
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 630		< 2500		< 940		< 5300		< 2200	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 630		< 2500		< 940		< 5300		< 2200	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 630		< 2500		< 940		< 5300		< 2200	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
4-Methylphenol	SW8270D	--	--	--	µg/kg	32	J	40	J	34	J	49	J	**20**	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 630		< 2500		< 940		< 5300		< 2200	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	**< 25**		45	J	**47**		54	J	40	J
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	**< 25**		57	J	**47**		73	J	35	J
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 250		< 1000		< 370		< 2100		< 860	
Anthracene	SW8270D	57.2	451	845	µg/kg	**28**		**110**		**78**		**98**	J	**94**	
Atrazine	SW8270D	--	--	--	µg/kg	< 250		< 1000		< 370		< 2100		< 860	
Benzaldehyde	SW8270D	--	--	--	µg/kg	< 250		< 1000		< 370		< 2100		85	J
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	40		**280**		**230**		**300**		**220**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	27		**260**		**220**		**270**		**220**	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	36		**340**		**260**		**350**		**320**	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	26		**210**		**180**		**210**		**210**	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	17	J	**100**		**91**		**100**	J	72	J
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	23	J	**220**	J	**170**	J	**220**	J	**170**	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 25		< 100		< 37		< 210		< 86	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 1200		**140**	J	< 1800		< 10000		**42**	J
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
Caprolactam	SW8270D	--	--	--	µg/kg	< 630		< 2500		< 940		< 5300		< 2200	
Carbazole	SW8270D	--	--	--	µg/kg	< 25		**27**	J	**26**	J	< 210		**26**	J
Chrysene	SW8270D	166	728	1290	µg/kg	56		**310**		**260**		**340**		**240**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	5.7	J	**140**		**75**		**220**		**52**	J
Dibenzofuran	SW8270D	150	365	580	µg/kg	110	J	**110**	J	**120**	J	**150**	J	**80**	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	< 120		< 490		< 180		**< 1000**		< 420	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 120		< 490		< 180		**< 1000**		< 420	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 120		< 490		< 180		< 1000		< 420	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 120		< 490		< 180		**< 1000**		< 420	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	80		**440**		**370**		**450**		**350**	
Fluorene	SW8270D	77.4	307	536	µg/kg	**130**		**80**	J	**92**		**80**	J	**68**	J
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 25		< 100		< 37		< 210		< 86	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 25		< 100		< 37		< 210		< 86	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	18	J	**170**		**150**		**170**	J	**150**	
Isophorone	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000	U	< 420	
Naphthalene	SW8270D	176	369	561	µg/kg	**220**		**400**		**400**		**490**		**220**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP07-8010_06/28/2020		ND20-BP07-SURF_07/02/2020		ND20-BP07-SURFFD_07/02/2020		ND20-BP08-SURF_06/25/2020		ND20-BP08-0320_06/27/2020	
					Date	06-28-2020		07-02-2020		07-02-2020		06-25-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0 - 0.3		0.3 - 2	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 250		< 990		< 370		< 2100		< 860	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 25		< 100		< 37		< 210		< 86	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 120		< 490		< 180		< 1000		< 420	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	**< 630**		**< 2500**		**< 940**		**< 5300**		**< 2200**	
Phenanthrene	SW8270D	204	687	1170	µg/kg	180		**320**		**310**		**400**		**230**	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 120		< 490		< 180		< 1000		< 420	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 630		< 2500		< 940		< 5300		< 2200	
Pyrene	SW8270D	195	858	1520	µg/kg	77		**430**		**380**		**460**		**340**	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP07-8010_06/28/2020		ND20-BP07-SURF_07/02/2020		ND20-BP07-SURFFD_07/02/2020		ND20-BP08-SURF_06/25/2020		ND20-BP08-0320_06/27/2020	
					Date	06-28-2020		07-02-2020		07-02-2020		06-25-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0 - 0.3		0.3 - 2	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		< 98		< 92		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		< 98		< 92		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		< 98		< 92		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		< 98		< 92		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		< 98		< 92		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		< 98		< 92		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		**16**	J	**14**	J	-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		< 98		< 92		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		< 98		< 92		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		**16**		**14**		-		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		< 3.8		< 3.5		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		< 61		< 56		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		< 5		< 4.6		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		**< 4.4**		**< 4**		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP07		ND20-BP07		ND20-BP07		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP07-8010_06/28/2020		ND20-BP07-SURF_07/02/2020		ND20-BP07-SURFFD_07/02/2020		ND20-BP08-SURF_06/25/2020		ND20-BP08-0320_06/27/2020	
					Date	06-28-2020		07-02-2020		07-02-2020		06-25-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0 - 0.3		0.3 - 2	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		**240**	B	**37**	B	-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		**420**	B	**52**	B	-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		< 7.3	J B	< 6.8	J B	-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		< 7.3	J B	< 6.8		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		**7.3**		< 6.8		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		**15**	B	< 6.8		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		**11**	I	**2.3**	J	-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		**9.8**		**2**	J	-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		< 7.3		< 6.8		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		**2.2**	J	< 6.8		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		**0.96**	J	< 6.8		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		**2.9**	J	< 6.8		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		**1.7**	J	< 6.8		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		**1.1**	J	< 1.4		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		**2.6**		< 1.4		-		-	
OCDD	E1613B	--	--	--	pg/g	-		**2100**	B	**310**	B	-		-	
OCDF	E1613B	--	--	--	pg/g	-		**250**	B	**38.6**	B	-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**48**		**200**		**180**		**210**		**230**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**20100**		**66300**		**72000**		**94800**		**70100**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP08-1012_06/27/2020		ND20-BP08-1214_06/27/2020		ND20-BP08-2040_06/27/2020		ND20-BP08-4060_06/27/2020		ND20-BP08-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		410	D	13		-	
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	-		-		700	D	19		-	
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	-		-		33	J D	< 5.1		-	
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	-		-		44	J D	1.8		-	
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	-		-		55	J D	4.7	J	-	
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	-		-		200	J D	19		-	
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	-		-		200	J D	17		-	
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	-		-		160	J D	16		-	
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	-		-		190	J D	11		-	
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	-		-		110	J D	15		-	
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	-		-		240	D	12		-	
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		410	D	19		-	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		820	D	56		-	
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		290	D	11		-	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		740	D	20		-	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		470	D	29		-	
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		450	D	20		-	
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		860	D	32		-	
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		870	D	15		-	
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		1800	D	65		-	
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		660	D	47		-	
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		270	D	17		-	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		670	D	35		-	
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		1000	D	26		-	
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		1800	D	130		-	
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		670	D	42		-	
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		< 220		< 5.1		-	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		3100	D	130		-	
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		730	D	42		-	
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	-		-		230	D	21		-	
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	-		-		47	J D	3.2	J	-	
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	-		-		350	D	62		-	
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	-		-		120	J D	10		-	
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	-		-		95	J D	11		-	
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	-		-		360	D	8.7		-	
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		88	J D	150	D	-	
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	-		-		280	D	17		-	
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	-		-		380	D	41		-	
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		2900		260		-	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	-		-		19000		1100		-	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	12100		12200		3740		8490		12200	
Antimony	SW6010	2	13.5	25	mg/kg	< 8.6	U *	< 7	U *	0.44	J *	< 6.8	U *	< 7.9	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	3.7		3.6		7.1		3.1		3.4	
Barium	SW6010	--	--	--	mg/kg	78.2		79.4		40.3		47.2		69.9	
Beryllium	SW6010	--	--	--	mg/kg	0.5	J	0.49	J	0.5		0.44	J	0.5	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.38	J	0.36	J	0.31	J	0.25	J	0.36	J
Calcium Metal	SW6010	--	--	--	mg/kg	13000	*	12200	*	3170	*	8370	*	10800	*
Chromium	SW6010	43	76.5	110	mg/kg	29.5		29.5		13		20.3		28.3	
Cobalt	SW6010	--	--	--	mg/kg	8.9		9.3		5.9		6.5		8.6	
Copper	SW6010	32	91	150	mg/kg	17.4		17.2		23.6		12.4		17.1	
Iron	SW6010	20000	30000	40000	mg/kg	19800		20500		23400		16500		20400	
Lead	SW6010	36	83	130	mg/kg	7.6		6.8		39.6		6.8		7.3	
Magnesium	SW6010	--	--	--	mg/kg	9240		8930		2170		5850		7970	
Manganese	SW6010	460	780	1100	mg/kg	410	*	497	*	308	*	261	*	424	*
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.15		< 0.14		< 0.11		< 0.13		< 0.14	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP08-1012_06/27/2020		ND20-BP08-1214_06/27/2020		ND20-BP08-2040_06/27/2020		ND20-BP08-4060_06/27/2020		ND20-BP08-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**21.9**		**22.6**		**14**		**15.6**		**21.5**	
Potassium	SW6010	--	--	--	mg/kg	**1340**		**1330**		382	J	**933**		**1400**	
Selenium	SW6010	--	--	--	mg/kg	0.75	J	0.85	J	1	J	< 4		< 4.6	
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.4		< 1.2		< 0.9		< 1.1		< 1.3	
Sodiium	SW6010	--	--	--	mg/kg	341	J	316	J	127	J	281	J	361	J
Thallium	SW6010	--	--	--	mg/kg	< 3.6		< 2.9		< 2.2		< 2.9		< 3.3	
Vanadium	SW6010	--	--	--	mg/kg	**39.3**		**38.7**		**14.8**		**32.6**		**37**	
Zinc	SW6010	120	290	460	mg/kg	**63**	*	**62.2**	*	**88.6**	*	**41.7**	*	**60.3**	*
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP08-1012_06/27/2020		ND20-BP08-1214_06/27/2020		ND20-BP08-2040_06/27/2020		ND20-BP08-4060_06/27/2020		ND20-BP08-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	1.4	J	1.5	J	< 5.6		< 5.9		1.6	J
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 7	J	< 7.1	J	< 5.6		< 5.9	J	< 7.7	J
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 7	J	< 7.1	J	< 5.6	J	< 5.9	J	< 7.7	J
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 7	J B	< 7.1	J B	< 5.6	J B	< 5.9	J B	< 7.7	J B
2-Butanone	SW8260	--	--	--	µg/kg	4.4	J	**7.4**		2.4	J	5.2	J	4.5	J
2-Hexanone	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Acetone	SW8260	--	--	--	µg/kg	**65**		**110**		**120**		**100**		**59**	
Benzene	SW8260	57	83.5	110	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Bromoform	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Bromomethane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Chloroethane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Chloroform	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Chloromethane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Cyclohexane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 7	J	< 7.1	J	< 5.6	J	< 5.9	J	< 7.7	J
m,p-Xylene	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 7	J	< 7.1	J	< 5.6	J	< 5.9	J	< 7.7	J
Methyl Acetate	SW8260	--	--	--	µg/kg	< 35		< 35		< 28		< 29		< 39	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Methycylohexane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Methylene Chloride	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
o-Xylene	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Styrene	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Toluene	SW8260	890	1345	1800	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Trichloroethene	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 7		< 7.1		< 5.6		< 5.9		< 7.7	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 14		< 14		< 11		< 12		< 15	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP08-1012_06/27/2020		ND20-BP08-1214_06/27/2020		ND20-BP08-2040_06/27/2020		ND20-BP08-4060_06/27/2020		ND20-BP08-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP08-1012_06/27/2020		ND20-BP08-1214_06/27/2020		ND20-BP08-2040_06/27/2020		ND20-BP08-4060_06/27/2020		ND20-BP08-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	8.8	J	7.4	J	61	J	< 60		**6.4**	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 16		< 9.9		< 16		< 12		< 16	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 16		< 9.9		< 16		< 12		< 16	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	14	J	12	J	< 78		< 60		< 77	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 770		< 490		< 780		< 600		< 770	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 16		< 9.9		< 16		< 12		< 16	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	**44**		**37**		**410**		**36**		**49**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	7.1	J	6.9	J	< 78		**3.2**	J	**7.3**	J
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 400		< 250		< 400		< 310		< 400	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 400		< 250		< 400		< 310		< 400	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 400		< 250		< 400		< 310		< 400	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
4-Methylphenol	SW8270D	--	--	--	µg/kg	15	J	13	J	< 78		**13**	J	**14**	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 400		< 250		< 400		< 310		< 400	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	11	J	7.1	J	**59**		< 12		**6.4**	J
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	5.9	J	4.3	J	**17**		< 12		< 16	
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 160		< 99		< 160		< 120		< 160	
Anthracene	SW8270D	57.2	451	845	µg/kg	**16**		**11**		**52**		**9.8**	J	**12**	J
Atrazine	SW8270D	--	--	--	µg/kg	< 160		< 99		< 160		< 120		< 160	
Benzaldehyde	SW8270D	--	--	--	µg/kg	**44**	J	**28**	J	< 160		**18**	J	**24**	**J**
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	**33**		**25**		**100**		**28**		**35**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	**29**		**22**		**81**		**25**		**36**	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	**40**		**29**		**93**		**32**		**41**	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	**29**		**21**		**84**		**20**		**32**	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	**12**	J	**9.5**	J	**30**		**9.4**	J	**21**	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	**21**	J	**16**	J	**85**		**18**	J	**25**	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 16		< 9.9		< 16		< 12		< 16	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 770		< 490		< 780		**11**	J	< 770	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
Caprolactam	SW8270D	--	--	--	µg/kg	< 400		< 250		< 400		< 310		< 400	
Carbazole	SW8270D	--	--	--	µg/kg	< 16		**3.4**	J	< 16		< 12		< 16	
Chrysene	SW8270D	166	728	1290	µg/kg	**37**		**32**		**110**		**27**		**37**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	**6.8**	J	**4.8**	J	**19**		< 12		< 16	
Dibenzofuran	SW8270D	150	365	580	µg/kg	**18**	J	**17**	J	**78**		**13**	J	**18**	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	< 77		< 49		< 78		< 60		< 77	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 77		< 49		< 78		< 60		< 77	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 77		< 49		< 78		< 60		< 77	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 77		< 49		< 78		< 60		< 77	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**92**		**69**		**190**		**60**		**78**	
Fluorene	SW8270D	77.4	307	536	µg/kg	**20**		**17**		**80**		**14**		**22**	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 16		< 9.9		< 16		< 12		< 16	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 16		< 9.9		< 16		< 12		< 16	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	**23**		**16**		**47**		**19**		**28**	
Isophorone	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
Naphthalene	SW8270D	176	369	561	µg/kg	**30**		**27**		**270**		**19**		**28**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP08-1012_06/27/2020		ND20-BP08-1214_06/27/2020		ND20-BP08-2040_06/27/2020		ND20-BP08-4060_06/27/2020		ND20-BP08-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 160		< 98		< 160		< 120		< 160	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 16		< 9.9		< 16		< 12		< 16	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 77		< 49		< 78		< 60		< 77	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	**< 400**		**< 250**		**< 400**		**< 310**		**< 400**	
Phenanthrene	SW8270D	204	687	1170	µg/kg	**65**		**53**		**160**		**25**		**62**	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 77		< 49		< 78		< 60		< 77	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 400		< 250		< 400		< 310		< 400	
Pyrene	SW8270D	195	858	1520	µg/kg	**77**		**64**		**160**		**60**		**75**	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP08-1012_06/27/2020		ND20-BP08-1214_06/27/2020		ND20-BP08-2040_06/27/2020		ND20-BP08-4060_06/27/2020		ND20-BP08-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08		ND20-BP08	
					Sample ID	ND20-BP08-1012_06/27/2020		ND20-BP08-1214_06/27/2020		ND20-BP08-2040_06/27/2020		ND20-BP08-4060_06/27/2020		ND20-BP08-6080_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	10 - 12		12 - 14		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**55**		**50**		**35**		**51**		**54**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**28700**		**31400**		**69100**		**34600**		**34600**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP08-8010_06/27/2020		ND20-BP09-SURF_06/25/2020		ND20-BP09-SURFFD_06/26/2020		ND20-BP09-0320_06/27/2020		ND20-BP09-1012_06/27/2020	
					Date	06-27-2020		06-25-2020		06-26-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	-		160	D	320	D	210	D	< 10	
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	-		210	D	390	D	300	D	< 10	
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	-		16	J D	14	J D	53	J D	< 10	
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	-		20	D	22	J D	30	J D	< 10	
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	-		51	D	82	D	79	D	< 10	
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	-		190	D	230	D	220	D	< 10	
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	-		200	D	250	D	230	D	< 10	
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	-		200	D	250	D	230	D	< 10	
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	-		130	D	160	D	140	D	< 10	
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	-		170	D	240	D	190	D	< 10	
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	-		150	D	200	D	180	D	< 10	
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		140	D	210	D	230	D	< 10	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		450	D	470	D	480	D	< 10	
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		82	D	97	D	180	D	< 10	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		< 20		460	D	340	D	< 10	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		270	D	400	D	380	D	< 10	
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		120	D	150	D	210	D	< 10	
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		280	D	380	D	400	D	< 10	
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		150	D	200	D	440	D	< 10	
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		700	D	1100	D	1200	D	< 10	
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		300	D	450	D	550	D	< 10	
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		110	D	66	D	120	D	< 10	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		200	D	250	D	260	D	< 10	
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		200	D	220	D	420	D	< 10	
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		880	D	1100	D	1500	D	< 10	
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		240	D	330	D	500	D	< 10	
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		55	D	55	D	72	D	< 10	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		750	D	870	D	1700	D	< 10	
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		210	D	340	D	370	D	< 10	
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	-		220	D	270	D	270	D	< 10	
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	-		44	D	58	D	39	J D	< 10	
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	-		390	D	500	D	500	D	< 10	
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	-		54	D	66	D	94	D	< 10	
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	-		120	D	160	D	110	D	< 10	
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	-		130	D	230	D	200	D	< 10	
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	-		160	D	250	D	200	D	94	D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	-		190	D	270	D	290	D	< 10	
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	-		290	D	420	D	380	D	< 10	
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	-		2500		3200		3100		< 10	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	-		7900		11000		13000		94	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	9540		21500		25300		15000		12500	
Antimony	SW6010	2	13.5	25	mg/kg	< 8.1	U *	< 14.7	U *	< 15.4	U *	1.2	J *	< 6.5	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	3.4		12.8		8.2		8.8	*	3.2	*
Barium	SW6010	--	--	--	mg/kg	63.6		173		179		126		91.7	
Beryllium	SW6010	--	--	--	mg/kg	0.43	J	0.92	J	1.1	J	0.67	J	0.38	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.34	J	0.64	J	0.74	J	0.75	J	0.34	J
Calcium Metal	SW6010	--	--	--	mg/kg	9710	*	10400	*	12000	*	9670		13100	
Chromium	SW6010	43	76.5	110	mg/kg	23.3		45.5		52.2		34.7		30.5	
Cobalt	SW6010	--	--	--	mg/kg	8.3		14		15.8		11.6		10.1	
Copper	SW6010	32	91	150	mg/kg	15.4		30.6		35.1		29.3		16.6	
Iron	SW6010	20000	30000	40000	mg/kg	16900		46300		46200		33800		24200	
Lead	SW6010	36	83	130	mg/kg	6.7		26.2		29.4		44.5	*	5.6	*
Magnesium	SW6010	--	--	--	mg/kg	6520		10800		12600		8830		9710	
Manganese	SW6010	460	780	1100	mg/kg	462	*	1140	*	1050	*	637	*	991	*
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.15		0.12	J	< 0.27	J	0.18	J	0.057	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP08-8010_06/27/2020		ND20-BP09-SURF_06/25/2020		ND20-BP09-SURFFD_06/26/2020		ND20-BP09-0320_06/27/2020		ND20-BP09-1012_06/27/2020	
					Date	06-27-2020		06-25-2020		06-26-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**19.2**		**35.3**		**39.8**		**28.8**		**23.9**	
Potassium	SW6010	--	--	--	mg/kg	**1030**		**2800**		**3360**		**1810**		**1400**	
Selenium	SW6010	--	--	--	mg/kg	< 4.7		1.9	J	1.7	J	1.3	J	0.93	J
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.3		< 2.5		< 2.6		0.21	J	< 1.1	
Sodiium	SW6010	--	--	--	mg/kg	298	J	418	J	486	J	340	J	281	J
Thallium	SW6010	--	--	--	mg/kg	< 3.4		< 6.1		< 6.4		< 4.8	U *	< 2.7	U *
Vanadium	SW6010	--	--	--	mg/kg	**34.3**		**55.1**		**64.1**		**42.3**		**38**	
Zinc	SW6010	120	290	460	mg/kg	**50.3**	*	**144**	*	**163**	*	**172**		**63.1**	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP08-8010_06/27/2020		ND20-BP09-SURF_06/25/2020		ND20-BP09-SURFFD_06/26/2020		ND20-BP09-0320_06/27/2020		ND20-BP09-1012_06/27/2020	
					Date	06-27-2020		06-25-2020		06-26-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	1.5	J	< 11		2.6	J	< 9.4		< 7.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 7.7	J	< 11		< 15	J	< 9.4		0.65	J
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 7.7	J	< 11		< 15	J	< 9.4		< 7.3	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 7.7	J B	< 11		< 15	J B	< 9.4		< 7.3	
2-Butanone	SW8260	--	--	--	µg/kg	3.7	J	< 11		14	J	7.9	J	4.1	J
2-Hexanone	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Acetone	SW8260	--	--	--	µg/kg	**58**		< 45		**320**		**190**		**77**	
Benzene	SW8260	57	83.5	110	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Bromoform	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Bromomethane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Chloroethane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Chloroform	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Chloromethane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Cyclohexane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 7.7	J	< 11		< 15	J	< 9.4		< 7.3	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 7.7	J	< 11		< 15	J	< 9.4		< 7.3	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 38		< 57		< 77		< 47		< 36	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Methycylohexane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		0.94	J	< 7.3	
Methylene Chloride	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
o-Xylene	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Styrene	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Toluene	SW8260	890	1345	1800	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 7.7		< 11		1.1	J	< 9.4		< 7.3	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Trichloroethene	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 7.7		< 11		< 15		< 9.4		< 7.3	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 15		< 23		< 31		< 19		< 15	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP08-8010_06/27/2020		ND20-BP09-SURF_06/25/2020		ND20-BP09-SURFFD_06/26/2020		ND20-BP09-0320_06/27/2020		ND20-BP09-1012_06/27/2020	
					Date	06-27-2020		06-25-2020		06-26-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP08-8010_06/27/2020		ND20-BP09-SURF_06/25/2020		ND20-BP09-SURFFD_06/26/2020		ND20-BP09-0320_06/27/2020		ND20-BP09-1012_06/27/2020	
					Date	06-27-2020		06-25-2020		06-26-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	< 79		46	J	35	J	81	J	< 99	
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 16		< 49		< 47		< 71		< 20	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 16		< 49		< 47		< 71		< 20	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	< 79		< 240		< 230		**< 350**		< 99	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 790		< 2400		< 2300		< 3500		< 990	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 16		< 49		< 47		< 71		< 20	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	**47**		**380**		**270**		**630**		1.8	J
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	6.6	J	< 240		< 230		24	J	< 99	
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 410		< 1300		< 1200		< 1800		< 510	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 79		-		< 230		< 350		< 99	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 410		< 1300		< 1200		< 1800		< 510	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 410		< 1300		< 1200		< 1800		< 510	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
4-Methylphenol	SW8270D	--	--	--	µg/kg	14	J	32	J	28	J	51	J	7.2	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 410		< 1300		< 1200		< 1800		< 510	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	12	J	22	J	22	J	**99**		**< 20**	
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	5.9	J	30	J	37	J	55	J	**< 20**	
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 160		< 490		< 470		< 710		< 200	
Anthracene	SW8270D	57.2	451	845	µg/kg	**17**		**52**		50		**150**		< 20	
Atrazine	SW8270D	--	--	--	µg/kg	< 160		< 490		< 470		< 710		< 200	
Benzaldehyde	SW8270D	--	--	--	µg/kg	30	J	< 490		< 470		< 710		25	J
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	**39**		**170**		**160**		**310**		< 20	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	**38**		**160**		**160**		**300**		< 20	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	**44**		**190**		**180**		**320**		< 20	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	**31**		**110**		**140**		**260**		< 20	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	16	J	**59**		**75**		**130**		< 20	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	26	J	120	J	120	J	250	J	< 99	
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 16		< 49		< 47		< 71		< 20	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 790		< 2400		< 2300		< 3500		< 990	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
Caprolactam	SW8270D	--	--	--	µg/kg	< 410		< 1300		< 1200		< 1800		< 510	
Carbazole	SW8270D	--	--	--	µg/kg	< 16		19	J	16	J	27	J	< 20	
Chrysene	SW8270D	166	728	1290	µg/kg	**40**		**180**		**170**		**320**		< 20	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	8.7	J	**68**		**71**		**120**		< 20	
Dibenzofuran	SW8270D	150	365	580	µg/kg	< 79		73	J	53	J	150	J	< 99	
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	< 79		< 240		< 230		< 350		**2**	J
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 79		< 240		< 230		< 350		< 99	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 79		< 240		< 230		< 350		< 99	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 79		< 240		< 230		< 350		< 99	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**81**		**240**		**250**		**510**		< 20	
Fluorene	SW8270D	77.4	307	536	µg/kg	**19**		44	J	**48**		**160**		< 20	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 16		< 49		< 47		< 71		< 20	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 16		< 49		< 47		< 71		< 20	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 79		-		< 230		< 350		< 99	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	**28**		**95**		**110**		**190**		< 20	
Isophorone	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
Naphthalene	SW8270D	176	369	561	µg/kg	**32**		**260**		**170**		**420**		**0.9**	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP08-8010_06/27/2020		ND20-BP09-SURF_06/25/2020		ND20-BP09-SURFFD_06/26/2020		ND20-BP09-0320_06/27/2020		ND20-BP09-1012_06/27/2020	
					Date	06-27-2020		06-25-2020		06-26-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 160		< 490		< 470		< 710		< 200	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 16		< 49		< 47		< 71		< 20	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 79		< 240		< 230		< 350		< 99	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 410		< 1300		< 1200		< 1800		< 510	
Phenanthrene	SW8270D	204	687	1170	µg/kg	71		180		150		420		2	J
Phenol	SW8270D	4200	8100	12000	µg/kg	< 79		< 240		< 230		< 350		< 99	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 410		< 1300		< 1200		< 1800		< 510	
Pyrene	SW8270D	195	858	1520	µg/kg	73		240		230		530		< 20	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP08-8010_06/27/2020		ND20-BP09-SURF_06/25/2020		ND20-BP09-SURFFD_06/26/2020		ND20-BP09-0320_06/27/2020		ND20-BP09-1012_06/27/2020	
					Date	06-27-2020		06-25-2020		06-26-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		FD		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP08		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP08-8010_06/27/2020		ND20-BP09-SURF_06/25/2020		ND20-BP09-SURFFD_06/26/2020		ND20-BP09-0320_06/27/2020		ND20-BP09-1012_06/27/2020	
					Date	06-27-2020		06-25-2020		06-26-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0 - 0.3		0.3 - 2		10 - 12	
					Sample type	N		N		FD		N		N	
Parameter	**Analytic method**	**WI-WDNR-SE-INT-2003-TEC**	**WI-WDNR-SE-INT-2003-MEC**	**WI-WDNR-SE-INT-2003-PEC**	**Units**	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		**110**		**50**	
Moisture	SM2540	--	--	--	%	**56**		**190**		**180**		-		-	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**34600**		**64900**		**57300**		-		-	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP09-1214_06/27/2020		ND20-BP09-2040_06/27/2020		ND20-BP09-4060_06/27/2020		ND20-BP09-6080_06/27/2020		ND20-BP09-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		1200	D	420	J D	3.8	J D	5.1	J D
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	< 4.8		2100	D	670	D	5	J D	7.7	J D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	< 4.8		500	D	260	J D	< 13		3.2	J D
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	< 4.8		260	J D	83	J D	< 13		< 16	
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	< 4.8		210	J D	110	J D	1.9	J D	< 16	
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	< 4.8		750	D	320	J D	3.6	J D	5.8	J D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	< 4.8		800	D	290	J D	4.3	J D	7.1	J D
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	< 4.8		750	D	250	J D	4.7	J D	5.9	J D
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	< 4.8		460	D	220	J D	< 13		< 16	
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	< 4.8		460	D	150	J D	< 13		< 16	
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	< 4.8		760	D	310	J D	3.1	J D	4.8	J D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		1500	D	700	J D	< 13		< 16	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		2400	D	1200	J D	19	J D	17	D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		3200	D	990	J D	< 13		< 16	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		2300	D	740	J D	< 13		< 16	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		2200	D	830	J D	< 13		< 16	
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		1400	D	680	J D	< 13		< 16	
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		2400	D	1100	J D	< 13		17	D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		7500	D	2600	J D	< 13		18	D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		9300	D	3300	J D	21	J D	35	D
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		5000	D	2500	J D	13	D	20	D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		830	D	500	J D	< 13		< 16	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		1900	D	820	J D	< 13		< 16	
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		5900	D	2300	J D	< 13		16	D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		17000	D	6400	J D	29	J D	54	D
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		4600	D	2200	J D	17	J D	20	D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		470	D	< 430		< 13		< 16	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		34000	D	12000	J D	39	J D	90	D
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		2800	D	1400	J D	< 13		< 16	
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	< 4.8		990	D	410	J D	4.6	J D	7.3	J D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	< 4.8		130	J D	69	J D	< 13		< 16	
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	< 4.8		1600	D	500	D	10	J D	13	J D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	< 4.8		830	D	360	J D	2.3	J D	4.5	J D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	< 4.8		270	J D	120	J D	2.4	J D	3	J D
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	< 4.8		840	D	330	J D	3.5	J D	4.5	J D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	65		290	J D	280	J D	160	D	150	D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	< 4.8		1300	D	310	J D	7.5	J D	9.3	J D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	< 4.8		1400	D	600	D	8.7	J D	10	J D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	< 4.8		12000		4400		54		74	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	65		120000		45000		350		520	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	9310		7450		9220		8680		10100	
Antimony	SW6010	2	13.5	25	mg/kg	< 7.9	U *	< 10.3	U *	< 8	U *	< 6.8	U *	< 7.5	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	2.6	*	9.8	*	6.2	*	2.9	*	3.3	*
Barium	SW6010	--	--	--	mg/kg	67.2		85.4		72.9		59.4		67.4	
Beryllium	SW6010	--	--	--	mg/kg	0.27	J	0.71	J	0.47	J	0.31	J	0.32	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.3	J	0.91		0.54	J	0.31	J	0.32	J
Calcium Metal	SW6010	--	--	--	mg/kg	9450		5360		6950		8470		9860	
Chromium	SW6010	43	76.5	110	mg/kg	23.6		20.8		24.1		21.2		25	
Cobalt	SW6010	--	--	--	mg/kg	8.3		7.4	J	7.5		7.8		8.6	
Copper	SW6010	32	91	150	mg/kg	11.8		39.7		39.7		14.2		14.9	
Iron	SW6010	20000	30000	40000	mg/kg	17900		25100		22900		16100		18700	
Lead	SW6010	36	83	130	mg/kg	4.3	*	71.4	*	101	*	4.7	*	5.5	*
Magnesium	SW6010	--	--	--	mg/kg	6890		4200		5590		6180		7320	
Manganese	SW6010	460	780	1100	mg/kg	592	*	282	*	367	*	426	*	486	*
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.13		0.16	J	0.069	J	< 0.13		< 0.13	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP09-1214_06/27/2020		ND20-BP09-2040_06/27/2020		ND20-BP09-4060_06/27/2020		ND20-BP09-6080_06/27/2020		ND20-BP09-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**18.8**		**18.7**		**19.4**		**17.9**		**19.9**	
Potassium	SW6010	--	--	--	mg/kg	**987**		839	J	**1040**		**923**		**1090**	
Selenium	SW6010	--	--	--	mg/kg	< 4.6		1.4	J	1	J	< 3.9		< 4.4	
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.3		0.19	J	< 1.3		< 1.1		< 1.3	
Sodiium	SW6010	--	--	--	mg/kg	244	J	194	J	262	J	246	J	266	J
Thallium	SW6010	--	--	--	mg/kg	< 3.3	U *	< 4.3	U *	< 3.3	U *	< 2.8	U *	< 3.1	U *
Vanadium	SW6010	--	--	--	mg/kg	**31.8**		**26.9**		**31.8**		**31**		**33.6**	
Zinc	SW6010	120	290	460	mg/kg	**52**		**173**		**122**		**46.2**		**55.7**	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP09-1214_06/27/2020		ND20-BP09-2040_06/27/2020		ND20-BP09-4060_06/27/2020		ND20-BP09-6080_06/27/2020		ND20-BP09-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
2-Butanone	SW8260	--	--	--	µg/kg	8.2		10		5.4	J	5.6	J	6.6	J
2-Hexanone	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Acetone	SW8260	--	--	--	µg/kg	110		160		82		61		97	
Benzene	SW8260	57	83.5	110	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Bromoform	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Bromomethane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Chloroethane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Chloroform	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Chloromethane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Cyclohexane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 34		< 44		< 38		< 40		< 41	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Methycylohexane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Methylene Chloride	SW8260	--	--	--	µg/kg	1.9	J	< 8.8		< 7.5		< 7.9		6.3	J
o-Xylene	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Styrene	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Toluene	SW8260	890	1345	1800	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Trichloroethene	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 6.8		< 8.8		< 7.5		< 7.9		< 8.1	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 14		< 18		< 15		< 16		< 16	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP09-1214_06/27/2020		ND20-BP09-2040_06/27/2020		ND20-BP09-4060_06/27/2020		ND20-BP09-6080_06/27/2020		ND20-BP09-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP09-1214_06/27/2020		ND20-BP09-2040_06/27/2020		ND20-BP09-4060_06/27/2020		ND20-BP09-6080_06/27/2020		ND20-BP09-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	< 47		460	J	120	J	3.1	J	2.5	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 9.5		< 170		< 60		< 10		< 10	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 9.5		< 170		< 60		< 10		< 10	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	< 47		**< 860**		< 290		< 51		< 51	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 470		< 8600		< 2900		< 510		< 510	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 9.5		< 170		< 60		< 10		< 10	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	< 9.5		**3700**		**1100**		**20**		**18**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	< 47		< 860		33	J	< 51		< 51	
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 240		< 4400		< 1500		< 260		< 260	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 240		< 4400		< 1500		< 260		< 260	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 240		< 4400		< 1500		< 260		< 260	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
4-Methylphenol	SW8270D	--	--	--	µg/kg	< 47		220	J	69	J	< 51		< 51	
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 240		< 4400		< 1500		< 260		< 260	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	**< 9.5**		**620**		**230**		**3.4**	J	4.4	J
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	**< 9.5**		**230**		**< 60**		**3.2**	J	**< 10**	
ACETOPHENONE	SW8270D	--	--	--	µg/kg	1.8	J	< 1700		< 600		< 100		< 100	
Anthracene	SW8270D	57.2	451	845	µg/kg	< 9.5		**420**		**130**		**5.6**	J	3.9	J
Atrazine	SW8270D	--	--	--	µg/kg	< 95		< 1700		< 600		< 100		< 100	
Benzaldehyde	SW8270D	--	--	--	µg/kg	11	J	< 1700		< 600		**31**	J	30	J
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	< 9.5		**870**		**390**		**14**		8.5	J
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	< 9.5		**870**		**350**		**12**		9.2	J
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	< 9.5		**770**		**320**		**14**		8.7	J
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	< 9.5		**740**		**330**		**11**		< 10	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	< 9.5		220		93		**4.6**	J	1.5	J
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	< 47		**880**		**390**		**10**	J	7	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 9.5		< 170		< 60		< 10		< 10	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 470		420	J	< 2900		< 510		11	J
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
Caprolactam	SW8270D	--	--	--	µg/kg	< 240		< 4400		< 1500		< 260		< 260	
Carbazole	SW8270D	--	--	--	µg/kg	< 9.5		< 170		**56**	J	**1.6**	J	< 10	
Chrysene	SW8270D	166	728	1290	µg/kg	< 9.5		**1200**		**530**		**14**		9.5	J
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	< 9.5		**340**		**130**		< 10		< 10	
Dibenzofuran	SW8270D	150	365	580	µg/kg	< 47		800	J	250	J	**7**	J	4.5	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	**1.1**	J	**< 860**		< 290		< 51		< 51	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 47		**< 860**		< 290		< 51		< 51	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 47		< 860		< 290		< 51		< 51	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 47		**< 860**		< 290		< 51		< 51	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	< 9.5		**1200**		**500**		**25**		**13**	
Fluorene	SW8270D	77.4	307	536	µg/kg	< 9.5		**1000**		**450**		**7.1**	J	7	J
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 9.5		< 170		< 60		< 10		< 10	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 9.5		< 170		< 60		< 10		< 10	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	< 9.5		**390**		**170**		**8.7**	J	4.1	J
Isophorone	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
Naphthalene	SW8270D	176	369	561	µg/kg	**0.79**	J	**1400**		**520**		**14**		9.8	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP09-1214_06/27/2020		ND20-BP09-2040_06/27/2020		ND20-BP09-4060_06/27/2020		ND20-BP09-6080_06/27/2020		ND20-BP09-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 95		< 1700		< 590		< 100		< 100	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 9.5		< 170		< 60		< 10		< 10	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 47		< 860		< 290		< 51		< 51	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 240		< 4400		< 1500		< 260		< 260	
Phenanthrene	SW8270D	204	687	1170	µg/kg	< 9.5		1400		460		22		12	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 47		< 860		< 290		< 51		< 51	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 240		< 4400		< 1500		< 260		< 260	
Pyrene	SW8270D	195	858	1520	µg/kg	< 9.5		1600		690		23		14	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP09-1214_06/27/2020		ND20-BP09-2040_06/27/2020		ND20-BP09-4060_06/27/2020		ND20-BP09-6080_06/27/2020		ND20-BP09-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-	
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09		ND20-BP09	
					Sample ID	ND20-BP09-1214_06/27/2020		ND20-BP09-2040_06/27/2020		ND20-BP09-4060_06/27/2020		ND20-BP09-6080_06/27/2020		ND20-BP09-8010_06/27/2020	
					Date	06-27-2020		06-27-2020		06-27-2020		06-27-2020		06-27-2020	
					Sample depth (ftbss)	12 - 14		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	**43**		**110**		**78**		**54**		**54**	
Moisture	SM2540	--	--	--	%	-		-		-		-		-	
Total Organic Carbon	SW9060	--	--	--	mg/kg	-		-		-		-		-	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10	
					Sample ID	ND20-BP10-SURF_06/25/2020		ND20-BP10-0320_06/25/2020		ND20-BP10-2040_06/25/2020		ND20-BP10-4060_06/25/2020		ND20-BP10-6080_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	370	D	2600	D	< 4		-		-	
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	560	D	4600	D	0.79	J	-		-	
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	22	J D	500	J D	< 4		-		-	
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	17	J D	< 520		< 4		-		-	
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	54	J D	230	J D	< 4		-		-	
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	160	D	450	J D	< 4		-		-	
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	160	D	390	J D	< 4		-		-	
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	170	D	410	J D	< 4		-		-	
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	110	D	230	J D	< 4		-		-	
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	140	D	300	J D	< 4		-		-	
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	150	D	350	J D	< 4		-		-	
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	200	D	610	D	< 4		-		-	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	500	D	2200	D	< 4		-		-	
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	84	D	1200	D	< 4		-		-	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 66		5000	D	< 4		-		-	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	480	D	1100	D	< 4		-		-	
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	210	D	690	D	< 4		-		-	
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	420	D	1500	D	< 4		-		-	
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	190	D	1500	D	< 4		-		-	
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	1300	D	12000	D	< 4		-		-	
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	490	D	1600	D	< 4		-		-	
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	200	D	740	D	< 4		-		-	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	370	D	1400	D	< 4		-		-	
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	300	D	1600	D	< 4		-		-	
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	1300	D	12000	D	< 4		-		-	
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	350	D	1700	D	< 4		-		-	
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	93	D	< 520		< 4		-		-	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	1000	D	13000	D	6.2		-		-	
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	360	D	1500	D	< 4		-		-	
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	220	D	520	D	< 4		-		-	
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	38	J D	88	J D	< 4		-		-	
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	330	D	1400	D	< 4		-		-	
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	49	J D	640	D	< 4		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	87	D	180	J D	< 4		-		-	
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	320	D	1200	D	< 4		-		-	
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	94	D	130	J D	3.5	J	-		-	
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	350	D	840	D	< 4		-		-	
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	280	D	1100	D	< 4		-		-	
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	2500		8500		< 4		-		-	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	11000		68000		9.7		-		-	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	8340		6150		2550		2340		5000	
Antimony	SW6010	2	13.5	25	mg/kg	< 8.7	U *	0.75	J *	< 6.3	U *	< 5.4	U *	< 5.3	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	7.3		13.7		2		1.6		2.2	
Barium	SW6010	--	--	--	mg/kg	95.4		72.6		10	J	7.9	J	29.2	
Beryllium	SW6010	--	--	--	mg/kg	0.6	J	0.67		< 0.52	J	< 0.45	J	< 0.45	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.47	J	0.67		< 0.52		< 0.45		0.15	J
Calcium Metal	SW6010	--	--	--	mg/kg	5490		4500		1070		959		3980	
Chromium	SW6010	43	76.5	110	mg/kg	20.8		19		8		6.3		13	
Cobalt	SW6010	--	--	--	mg/kg	7.3	J	6.6	J	4	J	4.1	J	4.4	J
Copper	SW6010	32	91	150	mg/kg	23.8		52.4		2.8		2.3		6.8	
Iron	SW6010	20000	30000	40000	mg/kg	22500		34300		7380		6250		10100	
Lead	SW6010	36	83	130	mg/kg	36.2		57.6		2.1		1.9		3.8	
Magnesium	SW6010	--	--	--	mg/kg	4250		3030		1060		954		2850	
Manganese	SW6010	460	780	1100	mg/kg	300		224		57.6		49.6		138	
Mercury	SW6010	0.18	0.64	1.1	mg/kg	0.064	J	0.082	J	< 0.11		< 0.1		< 0.13	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10	
					Sample ID	ND20-BP10-SURF_06/25/2020		ND20-BP10-0320_06/25/2020		ND20-BP10-2040_06/25/2020		ND20-BP10-4060_06/25/2020		ND20-BP10-6080_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**18.2**		**26.6**		**8.3**		**8**		**9.7**	
Potassium	SW6010	--	--	--	mg/kg	**1030**		659	J	229	J	202	J	**481**	
Selenium	SW6010	--	--	--	mg/kg	1.8	J	2.3	J	< 3.6		< 3.1		< 3.1	
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.5		< 1.3		< 1		< 0.9		< 0.89	
Sodiium	SW6010	--	--	--	mg/kg	255	J	286	J	103	J	85.1	J	146	J
Thallium	SW6010	--	--	--	mg/kg	< 3.6	U *	< 3.3	U *	< 2.6	U *	< 2.2	U *	< 2.2	U *
Vanadium	SW6010	--	--	--	mg/kg	**31**		**24.1**		**22.5**		**18.5**		**26**	
Zinc	SW6010	120	290	460	mg/kg	**142**		**174**		**17.1**		**10.7**		**27.8**	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10	
					Sample ID	ND20-BP10-SURF_06/25/2020		ND20-BP10-0320_06/25/2020		ND20-BP10-2040_06/25/2020		ND20-BP10-4060_06/25/2020		ND20-BP10-6080_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	0.9	J	< 9.5		< 5.9		< 5.4		< 5.6	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
2-Butanone	SW8260	--	--	--	µg/kg	8.1	J	7.5	J	< 5.9		< 5.4		< 5.6	
2-Hexanone	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Acetone	SW8260	--	--	--	µg/kg	78		36	J	15	J	< 22		13	J
Benzene	SW8260	57	83.5	110	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Bromoform	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Bromomethane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Chloroethane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Chloroform	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Chloromethane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Cyclohexane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 48		< 47		< 30		< 27		< 28	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Methycylohexane	SW8260	--	--	--	µg/kg	< 9.6		0.94	J	< 5.9		< 5.4		< 5.6	
Methylene Chloride	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
o-Xylene	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Styrene	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Toluene	SW8260	890	1345	1800	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Trichloroethene	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 9.6		< 9.5		< 5.9		< 5.4		< 5.6	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 19		< 19		< 12		< 11		< 11	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10	
					Sample ID	ND20-BP10-SURF_06/25/2020		ND20-BP10-0320_06/25/2020		ND20-BP10-2040_06/25/2020		ND20-BP10-4060_06/25/2020		ND20-BP10-6080_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10	
					Sample ID	ND20-BP10-SURF_06/25/2020		ND20-BP10-0320_06/25/2020		ND20-BP10-2040_06/25/2020		ND20-BP10-4060_06/25/2020		ND20-BP10-6080_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	89	J	**2000**		0.6	J	0.44	J	3.7	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 67		< 130		< 3.9		< 3.9		< 4.4	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 67		< 130		< 3.9		< 3.9		< 4.4	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	**< 330**		**730**		< 19		< 19		15	J
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 3300		< 6600		< 190		< 190		< 220	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 67		< 130		< 3.9		< 3.9		< 4.4	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	**820**		**11000**		1.4	J	0.35	J	**21**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	< 330		300	J	< 19		< 19		5.7	J
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 1700		< 3400		< 100		< 99		< 110	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 1700		< 3400		< 100		< 99		< 110	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 1700		< 3400		< 100		< 99		< 110	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
4-Methylphenol	SW8270D	--	--	--	µg/kg	42	J	450	J	< 19		< 19		12	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 1700		< 3400		< 100		< 99		< 110	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	33	J	**< 130**		0.58	J	< 3.9		4	J
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	34	J	**< 130**		< 3.9		< 3.9		3	J
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 670		< 1300		< 39		< 39		< 44	
Anthracene	SW8270D	57.2	451	845	µg/kg	**69**		**400**		< 3.9		< 3.9		**8.1**	
Atrazine	SW8270D	--	--	--	µg/kg	< 670		< 1300		< 39		< 39		< 44	
Benzaldehyde	SW8270D	--	--	--	µg/kg	< 670		< 1300		< 39		< 39		8.6	J
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	**150**		**680**		< 3.9		< 3.9		**18**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	**140**		**500**		< 3.9		< 3.9		**17**	*
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	**150**		**530**		< 3.9		< 3.9		**20**	*
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	**170**		**410**		< 3.9		< 3.9		**14**	*
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	51	J	200		< 3.9		< 3.9		**6**	*
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	170	J	470	J	< 19		< 19		14	J *
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 67		< 130		< 3.9		< 3.9		< 4.4	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 3300		< 6600		< 190		3.1	J	< 220	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		18	J
Caprolactam	SW8270D	--	--	--	µg/kg	< 1700		< 3400		< 100		< 99		< 110	
Carbazole	SW8270D	--	--	--	µg/kg	31	J	110	J	< 3.9		< 3.9		2.5	J
Chrysene	SW8270D	166	728	1290	µg/kg	**200**		**760**		< 3.9		< 3.9		**20**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	**91**		**200**		< 3.9		< 3.9		< 4.4	U *
Dibenzofuran	SW8270D	150	365	580	µg/kg	160	J	**1300**		< 19		0.21	J	8.8	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	< 330		**< 660**		0.89	J	1.2	J	< 22	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 330		**< 660**		< 19		< 19		< 22	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 330		< 660		0.8	J	0.93	J	< 22	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 330		**< 660**		< 19		< 19		< 22	U *
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**250**		**1500**		1.2	J	0.73	J	**59**	
Fluorene	SW8270D	77.4	307	536	µg/kg	46	J	**1200**		0.59	J	< 3.9		**8.9**	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 67		< 130		< 3.9		< 3.9		< 4.4	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 67		< 130		< 3.9		< 3.9		< 4.4	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	**95**		**250**		< 3.9		< 3.9		**12**	*
Isophorone	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
Naphthalene	SW8270D	176	369	561	µg/kg	**500**		**3700**		1.3	J	0.3	J	**15**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10	
					Sample ID	ND20-BP10-SURF_06/25/2020		ND20-BP10-0320_06/25/2020		ND20-BP10-2040_06/25/2020		ND20-BP10-4060_06/25/2020		ND20-BP10-6080_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 660		< 1300		< 39		< 39		< 44	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 67		< 130		< 3.9		< 3.9		< 4.4	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 330		< 660		< 19		< 19		< 22	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 1700		< 3400		< 100		< 99		< 110	
Phenanthrene	SW8270D	204	687	1170	µg/kg	400		1400		1.1	J	0.83	J	28	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 330		140	J	< 19		< 19		< 22	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 1700		< 3400		< 100		< 99		< 110	
Pyrene	SW8270D	195	858	1520	µg/kg	250		1700		1	J	< 3.9		43	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10	
					Sample ID	ND20-BP10-SURF_06/25/2020		ND20-BP10-0320_06/25/2020		ND20-BP10-2040_06/25/2020		ND20-BP10-4060_06/25/2020		ND20-BP10-6080_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg										
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10		ND20-BP10	
					Sample ID	ND20-BP10-SURF_06/25/2020		ND20-BP10-0320_06/25/2020		ND20-BP10-2040_06/25/2020		ND20-BP10-4060_06/25/2020		ND20-BP10-6080_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**100**		**60**		**19**		**18**		**31**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**245000**		**319000**		< 1220		< 1160		**10600**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP11		ND20-BP11		ND20-BP11		ND20-BP11	
					Sample ID	ND20-BP10-8010_06/25/2020		ND20-BP11-SURF_06/25/2020		ND20-BP11-0320_06/25/2020		ND20-BP11-2040_06/25/2020		ND20-BP11-4060_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	-		120	D	780	D	3.5	J	3.4	J
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	-		160	D	1300	D	4.1	J	4.8	J
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	-		12	J D	620	D	1.3	J	1.3	J
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	-		14	J D	< 65		0.97	J	< 8	
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	-		39	D	1300	D	2.5	J	2.6	J
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	-		150	D	3300	D	6.6		2.5	J
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	-		150	D	2800	D	4.7	J	< 8	
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	-		160	D	2900	D	7.6		4.3	J
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	-		89	D	1400	D	< 4.8		< 8	
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	-		120	D	2400	D	5.3		< 8	
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	-		110	D	2200	D	2.5	J	< 8	
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		110	D	2200	D	5.5		< 8	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		340	D	5600	D	32		180	
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		52	D	1900	D	< 4.8		20	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		< 18		1400	D	< 4.8		< 8	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		190	D	2400	D	12		19	
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		91	D	1700	D	6.4		9.2	
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		200	D	3100	D	15		100	
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		89	D	4300	D	6		13	
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		470	D	5600	D	21		25	
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		190	D	3800	D	13		25	
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		80	D	740	D	6.2		< 8	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		140	D	2300	D	16		< 8	
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		120	D	4700	D	8.3		23	
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		550	D	12000	J D	43		55	
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		150	D	3800	D	13		72	
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		35	D	650	D	< 4.8		< 8	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		460	D	21000	D	42		86	
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		140	D	2200	D	18		220	
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	-		170	D	4000	D	8		3.9	J
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	-		31	D	500	D	1.2	J	< 8	
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	-		340	D	7500	D	19		22	
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	-		36	D	1000	D	2.8	J	2.5	J
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	-		87	D	1200	D	2.9	J	1.4	J
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	-		110	D	500	D	3	J	2.4	J
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	-		110	D	610	D	71	D	75	
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	-		150	D	5100	D	12		4.5	J
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	-		270	D	6200	D	14		8.7	
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	-		1900		35000		92		56	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	-		5500		120000		430		980	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	11600		23000		9360		9970		8190	
Antimony	SW6010	2	13.5	25	mg/kg	< 6.8	U *	< 12.3	U *	0.92	J *	< 8.3	U *	< 10.7	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	3.3		8.2		11.6		2.9		3.4	
Barium	SW6010	--	--	--	mg/kg	88		171		119		67.3		78.6	
Beryllium	SW6010	--	--	--	mg/kg	0.49	J	0.99	J	1		0.43	J	0.42	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.36	J	0.7	J	0.96		0.28	J	0.55	J
Calcium Metal	SW6010	--	--	--	mg/kg	8420		11900		7540	*	11200	*	8930	*
Chromium	SW6010	43	76.5	110	mg/kg	29		51.3		22.4	*	23.3	*	22.4	*
Cobalt	SW6010	--	--	--	mg/kg	9.4		16		8.9	J	8.5		7.5	J
Copper	SW6010	32	91	150	mg/kg	17.6		33.7		53.7		14.5		21	
Iron	SW6010	20000	30000	40000	mg/kg	21300		49200		28300		17400		18900	
Lead	SW6010	36	83	130	mg/kg	6.6		28		95.3		5.4		4.8	
Magnesium	SW6010	--	--	--	mg/kg	6810		12500		5880		8050		5320	
Manganese	SW6010	460	780	1100	mg/kg	452		1200		400		389		523	
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.15		0.17	J	0.17	J	< 0.13		< 0.24	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP11		ND20-BP11		ND20-BP11		ND20-BP11	
					Sample ID	ND20-BP10-8010_06/25/2020		ND20-BP11-SURF_06/25/2020		ND20-BP11-0320_06/25/2020		ND20-BP11-2040_06/25/2020		ND20-BP11-4060_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**22.3**		**40.3**		**23.8**		**20.1**		**18.1**	
Potassium	SW6010	--	--	--	mg/kg	**1320**		**2900**		**1110**		**1170**		**961**	
Selenium	SW6010	--	--	--	mg/kg	0.99	J	2.3	J	2	J	< 4.8		< 6.2	
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.1		**< 2**		0.34	J	< 1.4		**< 1.8**	
Sodiium	SW6010	--	--	--	mg/kg	321	J	470	J	554	J	395	J	362	J
Thallium	SW6010	--	--	--	mg/kg	< 2.9	U *	< 5.1	U *	< 4.7	U *	< 3.5	U *	< 4.5	U *
Vanadium	SW6010	--	--	--	mg/kg	**37.4**		**60.6**		**29.2**		**37.8**		**34.7**	
Zinc	SW6010	120	290	460	mg/kg	**60.5**		**159**		**221**	*	**50.8**	*	**51.8**	*
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP11		ND20-BP11		ND20-BP11		ND20-BP11	
					Sample ID	ND20-BP10-8010_06/25/2020		ND20-BP11-SURF_06/25/2020		ND20-BP11-0320_06/25/2020		ND20-BP11-2040_06/25/2020		ND20-BP11-4060_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 7.7		**< 15**		**< 8.9**		< 8		**< 10**	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
2-Butanone	SW8260	--	--	--	µg/kg	6.1	J	23		5.7	J	7	J	**18**	
2-Hexanone	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Acetone	SW8260	--	--	--	µg/kg	80		91		70		54		**110**	
Benzene	SW8260	57	83.5	110	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Bromoform	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Bromomethane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Chloroethane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Chloroform	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Chloromethane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Cyclohexane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 39		< 73		< 45		< 40		< 51	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Methycylohexane	SW8260	--	--	--	µg/kg	< 7.7		< 15		1	J	< 8		< 10	
Methylene Chloride	SW8260	--	--	--	µg/kg	0.94	J	< 15		< 8.9		< 8		< 10	
o-Xylene	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Styrene	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Toluene	SW8260	890	1345	1800	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Trichloroethene	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 7.7		< 15		< 8.9		< 8		< 10	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 15		**< 29**		< 18		< 16		< 20	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP11		ND20-BP11		ND20-BP11		ND20-BP11	
					Sample ID	ND20-BP10-8010_06/25/2020		ND20-BP11-SURF_06/25/2020		ND20-BP11-0320_06/25/2020		ND20-BP11-2040_06/25/2020		ND20-BP11-4060_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP11		ND20-BP11		ND20-BP11		ND20-BP11	
					Sample ID	ND20-BP10-8010_06/25/2020		ND20-BP11-SURF_06/25/2020		ND20-BP11-0320_06/25/2020		ND20-BP11-2040_06/25/2020		ND20-BP11-4060_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	4.4	J	37	J	190	J	< 23		< 40	
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 11		< 95		< 190		< 4.8		< 8	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 11		< 95		< 190		< 4.8		< 8	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	14	J	**< 470**		**< 950**		< 23		< 40	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 540		< 4700		< 9500		< 230		< 400	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 11		< 95		< 190		< 4.8		< 8	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	**25**		**310**		**2000**		2.3	J	2.1	J
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	7.5	J	< 470		< 950		< 23		< 40	
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 280		< 2400		< 4900		< 120		< 200	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 280		< 2400		< 4900		< 120		< 200	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 280		< 2400		< 4900		< 120		< 200	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
4-Methylphenol	SW8270D	--	--	--	µg/kg	20	J	110	J	< 950		< 23		< 40	
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 280		< 2400		< 4900		< 120		< 200	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	5.6	J	32	J	**630**		0.63	J	**< 8**	
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	4.6	J	55	J	**< 190**		0.63	J	**< 8**	
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 110		< 950		< 1900		< 48		3	J
Anthracene	SW8270D	57.2	451	845	µg/kg	8.8	J	65	J	**1000**		1.2	J	< 8	
Atrazine	SW8270D	--	--	--	µg/kg	< 110		< 950		< 1900		< 48		< 80	
Benzaldehyde	SW8270D	--	--	--	µg/kg	32	J	< 950		< 1900		3.9	J	21	J
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	**22**		**210**		**2400**		2.9	J	< 8	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	**18**		**190**		**2200**		2.4	J	< 8	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	**21**		230		**2600**		3.1	J	< 8	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	**17**		170		**1900**		2.7	J	< 8	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	8.4	J	78	J	**910**		1.1	J	< 8	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	14	J	150	J	**1800**		1.7	J	< 40	
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 11		< 95		< 190		< 4.8		< 8	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 540		< 4700		110	J	< 230		< 400	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
Caprolactam	SW8270D	--	--	--	µg/kg	< 280		< 2400		< 4900		< 120		< 200	
Carbazole	SW8270D	--	--	--	µg/kg	< 11		< 95		**550**		< 4.8		< 8	
Chrysene	SW8270D	166	728	1290	µg/kg	**24**		**220**		**3000**		3	J	< 8	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	< 11		**130**		**540**		< 4.8		< 8	
Dibenzofuran	SW8270D	150	365	580	µg/kg	8.9	J	65	J	520	J	0.98	J	< 40	
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	< 54		< 470		**< 950**		0.95	J	1.9	J
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 54		< 470		**< 950**		< 23		< 40	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 54		< 470		< 950		< 23		< 40	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 54		< 470		**< 950**		< 23		< 40	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**52**		**310**		**4500**		**5.4**		< 8	
Fluorene	SW8270D	77.4	307	536	µg/kg	10	J	48	J	**870**		1.5	J	< 8	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 11		< 95		< 190		< 4.8		< 8	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 11		< 95		< 190		< 4.8		< 8	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	**14**		**140**		**1300**		2.2	J	< 8	
Isophorone	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
Naphthalene	SW8270D	176	369	561	µg/kg	**19**		**220**		**910**		1.7	J	1.4	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP11		ND20-BP11		ND20-BP11		ND20-BP11	
					Sample ID	ND20-BP10-8010_06/25/2020		ND20-BP11-SURF_06/25/2020		ND20-BP11-0320_06/25/2020		ND20-BP11-2040_06/25/2020		ND20-BP11-4060_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 110		< 950		< 1900		< 47		< 80	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 11		< 95		< 190		< 4.8		< 8	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 54		< 470		< 950		< 23		< 40	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	**< 280**		**< 2400**		**< 4900**		< 120		**< 200**	
Phenanthrene	SW8270D	204	687	1170	µg/kg	**33**		**200**		**3100**		3.9	J	1.7	J
Phenol	SW8270D	4200	8100	12000	µg/kg	< 54		< 470		< 950		< 23		< 40	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 280		< 2400		< 4900		< 120		< 200	
Pyrene	SW8270D	195	858	1520	µg/kg	**49**		**290**		**3500**		4.5	J	< 8	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP11		ND20-BP11		ND20-BP11		ND20-BP11	
					Sample ID	ND20-BP10-8010_06/25/2020		ND20-BP11-SURF_06/25/2020		ND20-BP11-0320_06/25/2020		ND20-BP11-2040_06/25/2020		ND20-BP11-4060_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg										
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP10		ND20-BP11		ND20-BP11		ND20-BP11		ND20-BP11	
					Sample ID	ND20-BP10-8010_06/25/2020		ND20-BP11-SURF_06/25/2020		ND20-BP11-0320_06/25/2020		ND20-BP11-2040_06/25/2020		ND20-BP11-4060_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**63**		**180**		**93**		**42**		**140**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**37500**		**78700**		**288000**		**38400**		**84700**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP11		ND20-BP11		ND20-BP12		ND20-BP12		ND20-BP12	
					Sample ID	ND20-BP11-6080_06/25/2020		ND20-BP11-8010_06/25/2020		ND20-BP12-SURF_06/25/2020		ND20-BP12-0320_06/28/2020		ND20-BP12-2040_06/28/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	6 - 8		8 - 10		0 - 0.3		0.3 - 2		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	< 5.6		< 4.8		92	D	320	D	93	D
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	< 5.6		< 4.8		130	D	460	D	130	D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	< 5.6		< 4.8		13	J D	59	J D	23	J D
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	< 5.6		< 4.8		12	J D	35	J D	14	J D
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	< 5.6		< 4.8		38	D	120	D	43	D
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	< 5.6		< 4.8		120	D	370	D	180	D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	< 5.6		< 4.8		130	D	390	D	180	D
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	< 5.6		< 4.8		140	D	260	D	140	D
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	< 5.6		< 4.8		87	D	210	D	78	D
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	< 5.6		< 4.8		110	D	220	D	140	D
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	< 5.6		< 4.8		110	D	320	D	110	D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 5.6		< 4.8		96	D	280	J D	120	J D
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	54		14		300	D	730	J D	340	J D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	5.7		< 4.8		55	D	210	J D	71	J D
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 5.6		< 4.8		< 17		490	J D	140	J D
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 5.6		< 4.8		170	D	360	J D	180	J D
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 5.6		< 4.8		79	D	230	J D	83	J D
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	20		< 4.8		170	D	600	J D	270	J D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 5.6		< 4.8		97	D	450	J D	130	J D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 5.6		< 4.8		400	D	1400	J D	380	J D
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 5.6		< 4.8		190	D	450	J D	260	J D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 5.6		< 4.8		71	D	130	J D	51	J D
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 5.6		< 4.8		130	D	240	J D	92	J D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 5.6		< 4.8		120	D	410	J D	140	J D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	8.3		< 4.8		510	D	1200	J D	380	J D
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 5.6		< 4.8		150	D	370	J D	160	J D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 5.6		< 4.8		36	D	< 67		< 32	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	16		7.5		470	D	1100	J D	400	J D
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	130		< 4.8		140	D	330	J D	160	J D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	< 5.6		< 4.8		150	D	340	D	170	D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	< 5.6		< 4.8		28	D	69	D	33	D
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	2.7	J	< 4.8		270	D	470	D	300	D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	< 5.6		< 4.8		36	D	97	D	41	D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	< 5.6		< 4.8		79	D	190	D	98	D
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	< 5.6		< 4.8		84	D	320	D	79	D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	44		150	D	96	D	230	D	350	D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	< 5.6		< 4.8		130	D	300	D	110	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	< 5.6		< 4.8		230	D	540	D	250	D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	2.7	J	< 4.8		1700		4000		1900	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	280		170		5000		14000		5700	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	12200		11200		19800		12200		12900	
Antimony	SW6010	2	13.5	25	mg/kg	< 8.7	U *	< 6.3	U *	< 10.5	U *	< 11.6	U *	< 11	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	3.5		2.8		6.7		8.1		5.9	
Barium	SW6010	--	--	--	mg/kg	83.9		71.7		145		94.1		86.8	
Beryllium	SW6010	--	--	--	mg/kg	0.5	J	0.45	J	0.87	J	0.7	J	0.48	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.36	J	0.28	J	0.62	J	0.55	J	0.46	J
Calcium Metal	SW6010	--	--	--	mg/kg	10000	*	10900	*	11400		8890		10100	
Chromium	SW6010	43	76.5	110	mg/kg	29.6	*	26.5	*	44.4		27.4		29.7	
Cobalt	SW6010	--	--	--	mg/kg	10.3		9		14.1		9.7		9.9	
Copper	SW6010	32	91	150	mg/kg	18.4		16		30.6		23.6		18.8	
Iron	SW6010	20000	30000	40000	mg/kg	21400		19000		40100		31200		26100	
Lead	SW6010	36	83	130	mg/kg	5.6		4.9		26		28.5		21.2	
Magnesium	SW6010	--	--	--	mg/kg	7800		8130		11000		7270		7910	
Manganese	SW6010	460	780	1100	mg/kg	607		502		1020		496		433	
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.14		< 0.12		0.17	J	0.14	J	0.067	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP11		ND20-BP11		ND20-BP12		ND20-BP12		ND20-BP12	
					Sample ID	ND20-BP11-6080_06/25/2020		ND20-BP11-8010_06/25/2020		ND20-BP12-SURF_06/25/2020		ND20-BP12-0320_06/28/2020		ND20-BP12-2040_06/28/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	6 - 8		8 - 10		0 - 0.3		0.3 - 2		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**24.6**		**22**		**35.1**		**24**		**24.2**	
Potassium	SW6010	--	--	--	mg/kg	**1430**		**1250**		**2550**		**1530**		**1470**	
Selenium	SW6010	--	--	--	mg/kg	< 5.1		< 3.7		**1.6**	J	**2.2**	J	< 6.4	
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.4		< 1		**< 1.8**		**< 1.9**		**< 1.8**	
Sodiium	SW6010	--	--	--	mg/kg	330	J	293	J	**414**	J	**431**	J	**471**	J
Thallium	SW6010	--	--	--	mg/kg	< 3.6	U *	< 2.6	U *	< 4.4	U *	< 4.8		< 4.6	
Vanadium	SW6010	--	--	--	mg/kg	**41.5**		**36.5**		**54.6**		**36.4**		**39.5**	
Zinc	SW6010	120	290	460	mg/kg	**62.4**	*	**53.1**	*	**145**		**167**	*	**156**	*
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP11		ND20-BP11		ND20-BP12		ND20-BP12		ND20-BP12	
					Sample ID	ND20-BP11-6080_06/25/2020		ND20-BP11-8010_06/25/2020		ND20-BP12-SURF_06/25/2020		ND20-BP12-0320_06/28/2020		ND20-BP12-2040_06/28/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	6 - 8		8 - 10		0 - 0.3		0.3 - 2		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 6.9		< 7.3		**< 14**		**< 9**		**< 8.5**	J
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 6.9		< 7.3		< 14		< 9	J	< 8.5	J
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 6.9		< 7.3		< 14		< 9	J B	< 8.5	J B
2-Butanone	SW8260	--	--	--	µg/kg	5.9	J	7	J	**19**		7.1	J	7.5	J
2-Hexanone	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Acetone	SW8260	--	--	--	µg/kg	**49**		**54**		**100**		**120**		**120**	
Benzene	SW8260	57	83.5	110	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Bromoform	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Bromomethane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		4.6	J
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Chloroethane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Chloroform	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Chloromethane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Cyclohexane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9	J	< 8.5	J
m,p-Xylene	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9	J	< 8.5	J
Methyl Acetate	SW8260	--	--	--	µg/kg	< 35		< 36		< 68		< 45		< 42	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Methycylohexane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Methylene Chloride	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
o-Xylene	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Styrene	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Toluene	SW8260	890	1345	1800	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		0.78	J
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Trichloroethene	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 6.9		< 7.3		< 14		< 9		< 8.5	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 14		< 15		**< 27**		< 18		< 17	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP11		ND20-BP11		ND20-BP12		ND20-BP12		ND20-BP12	
					Sample ID	ND20-BP11-6080_06/25/2020		ND20-BP11-8010_06/25/2020		ND20-BP12-SURF_06/25/2020		ND20-BP12-0320_06/28/2020		ND20-BP12-2040_06/28/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	6 - 8		8 - 10		0 - 0.3		0.3 - 2		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP11		ND20-BP11		ND20-BP12		ND20-BP12		ND20-BP12	
					Sample ID	ND20-BP11-6080_06/25/2020		ND20-BP11-8010_06/25/2020		ND20-BP12-SURF_06/25/2020		ND20-BP12-0320_06/28/2020		ND20-BP12-2040_06/28/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	6 - 8		8 - 10		0 - 0.3		0.3 - 2		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	< 27		< 23		33	J	62	J	30	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 5.5		< 4.6		< 86		< 210		< 64	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 5.5		< 4.6		< 86		< 210		< 64	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	< 27		< 23		**< 430**		**< 1000**		**< 310**	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 270		< 230		< 4300		< 10000		< 3100	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 5.5		< 4.6		< 86		< 210		< 64	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	< 5.5		< 4.6		**270**		**420**		**190**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	< 27		< 23		< 430		< 1000		19	J
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 140		< 120		< 2200		< 5300		< 1600	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 140		< 120		< 2200		< 5300		< 1600	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 140		< 120		< 2200		< 5300		< 1600	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
4-Methylphenol	SW8270D	--	--	--	µg/kg	< 27		< 23		27	J	41	J	42	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 140		< 120		< 2200		< 5300		< 1600	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	< 5.5		< 4.6		21	J	78	J	39	J
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	< 5.5		< 4.6		49	J	41	J	31	J
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 55		< 46		< 860		< 2100		< 640	
Anthracene	SW8270D	57.2	451	845	µg/kg	< 5.5		< 4.6		79	J	200	J	**82**	
Atrazine	SW8270D	--	--	--	µg/kg	< 55		< 46		< 860		< 2100		< 640	
Benzaldehyde	SW8270D	--	--	--	µg/kg	5.1	J	3.9	J	< 860		< 2100		< 640	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	< 5.5		< 4.6		**220**		**450**		**160**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	< 5.5		< 4.6		**210**		**430**		**150**	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	< 5.5		< 4.6		**260**		**510**		**190**	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	< 5.5		< 4.6		**180**		**440**		**130**	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	< 5.5		< 4.6		71	J	170	J	**72**	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	< 27		< 23		160	J	350	J	120	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 5.5		< 4.6		< 86		< 210		< 64	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 270		< 230		< 4300		< 10000		< 3100	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
Caprolactam	SW8270D	--	--	--	µg/kg	< 140		< 120		< 2200		< 5300		< 1600	
Carbazole	SW8270D	--	--	--	µg/kg	< 5.5		< 4.6		18	J	74	J	< 64	
Chrysene	SW8270D	166	728	1290	µg/kg	< 5.5		< 4.6		**240**		**480**		**180**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	< 5.5		< 4.6		**120**		**99**	J	28	J
Dibenzofuran	SW8270D	150	365	580	µg/kg	< 27		< 23		66	J	120	J	54	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	< 27		1.4	J	< 430		**< 1000**		< 310	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 27		< 23		< 430		**< 1000**		< 310	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 27		< 23		< 430		< 1000		< 310	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 27		< 23		< 430		**< 1000**		< 310	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	< 5.5		< 4.6		**340**		**780**		**330**	
Fluorene	SW8270D	77.4	307	536	µg/kg	< 5.5		< 4.6		47	J	160	J	58	J
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 5.5		< 4.6		< 86		< 210		< 64	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 5.5		< 4.6		< 86		< 210		< 64	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	< 5.5		< 4.6		**150**		**250**		**98**	
Isophorone	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
Naphthalene	SW8270D	176	369	561	µg/kg	< 5.5		< 4.6		**190**		**350**		**160**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP11		ND20-BP11		ND20-BP12		ND20-BP12		ND20-BP12	
					Sample ID	ND20-BP11-6080_06/25/2020		ND20-BP11-8010_06/25/2020		ND20-BP12-SURF_06/25/2020		ND20-BP12-0320_06/28/2020		ND20-BP12-2040_06/28/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	6 - 8		8 - 10		0 - 0.3		0.3 - 2		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 55		< 46		< 860		< 2100		< 640	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 5.5		< 4.6		< 86		< 210		< 64	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 27		< 23		< 430		< 1000		< 310	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 140		< 120		< 2200		< 5300		< 1600	
Phenanthrene	SW8270D	204	687	1170	µg/kg	< 5.5		< 4.6		210		540		150	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 27		< 23		< 430		< 1000		< 310	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 140		< 120		< 2200		< 5300		< 1600	
Pyrene	SW8270D	195	858	1520	µg/kg	< 5.5		< 4.6		320		720		280	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP11		ND20-BP11		ND20-BP12		ND20-BP12		ND20-BP12	
					Sample ID	ND20-BP11-6080_06/25/2020		ND20-BP11-8010_06/25/2020		ND20-BP12-SURF_06/25/2020		ND20-BP12-0320_06/28/2020		ND20-BP12-2040_06/28/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	6 - 8		8 - 10		0 - 0.3		0.3 - 2		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg										
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP11		ND20-BP11		ND20-BP12		ND20-BP12		ND20-BP12	
					Sample ID	ND20-BP11-6080_06/25/2020		ND20-BP11-8010_06/25/2020		ND20-BP12-SURF_06/25/2020		ND20-BP12-0320_06/28/2020		ND20-BP12-2040_06/28/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	6 - 8		8 - 10		0 - 0.3		0.3 - 2		2 - 4	
					Sample type	N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**66**		**41**		**160**		**110**		**91**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**26900**	N	**13200**		**38200**		**69900**		**41200**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP12		ND20-BP12		ND20-BP12		ND20-BP13		ND20-BP13	
					Sample ID	ND20-BP12-4060_06/28/2020		ND20-BP12-6080_06/28/2020		ND20-BP12-8010_06/28/2020		ND20-BP13-SURF_06/25/2020		ND20-BP13-SURFFD_06/25/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		FD	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)															
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		210	D	260	D
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	-		-		-		300	D	270	D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	-		-		-		15	J D	< 180	
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	-		-		-		15	J D	< 180	
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	-		-		-		50	D	97	J D
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	-		-		-		170	D	190	D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	-		-		-		160	D	200	D
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	-		-		-		170	D	210	D
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	-		-		-		100	D	100	J D
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	-		-		-		150	D	190	D
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	-		-		-		130	D	160	J D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		140	D	< 180	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		410	D	430	D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		48	D	< 180	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		< 16		370	D
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		280	D	270	D
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		120	D	< 180	
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		300	D	290	D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		97	D	< 180	
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		710	D	630	D
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		270	D	260	D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		120	D	< 180	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		240	D	220	D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		150	D	< 180	
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		720	D	680	D
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		210	D	200	D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		51	D	< 180	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		520	D	580	D
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		220	D	220	D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	-		-		-		200	D	240	D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	-		-		-		34	D	42	J D
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	-		-		-		360	D	440	D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	-		-		-		39	D	42	J D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	-		-		-		92	D	110	J D
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	-		-		-		210	D	190	D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		170	D	190	D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	-		-		-		240	D	230	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	-		-		-		310	D	360	D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	-		-		-		2300		2600	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	-		-		-		7200		7100	
Metals															
Aluminium	SW6010	--	--	--	mg/kg	10000		16000		16300		17100		20600	
Antimony	SW6010	2	13.5	25	mg/kg	< 9.3	U *	< 8.8	U *	< 6.8	U *	< 10.8	U *	< 13.6	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	3.7		3.7		3.9		9.5		7.1	
Barium	SW6010	--	--	--	mg/kg	63.6		109		104		156		158	
Beryllium	SW6010	--	--	--	mg/kg	0.39	J	0.52	J	0.5	J	0.83	J	0.96	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.32	J	0.37	J	0.39	J	0.6	J	0.63	J
Calcium Metal	SW6010	--	--	--	mg/kg	9300		12100		10400		10800	*	12100	*
Chromium	SW6010	43	76.5	110	mg/kg	23.9		35.3		36.4		37	*	43.8	
Cobalt	SW6010	--	--	--	mg/kg	8.3		11.2		12		13.1		14.1	
Copper	SW6010	32	91	150	mg/kg	15.1		20.1		27.6		25.6		29.8	
Iron	SW6010	20000	30000	40000	mg/kg	19600		26100		25800		34200		40200	
Lead	SW6010	36	83	130	mg/kg	9.8		6.7		6.4		23.6		25.8	
Magnesium	SW6010	--	--	--	mg/kg	6820		10100		8870		9950		11300	
Manganese	SW6010	460	780	1100	mg/kg	372		748		763		1100		1130	*
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.15		< 0.13		< 0.15		0.079	J	< 0.26	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP12		ND20-BP12		ND20-BP12		ND20-BP13		ND20-BP13	
					Sample ID	ND20-BP12-4060_06/28/2020		ND20-BP12-6080_06/28/2020		ND20-BP12-8010_06/28/2020		ND20-BP13-SURF_06/25/2020		ND20-BP13-SURFFD_06/25/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		FD	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**19.6**		**27.6**		**28.6**		**31.9**		**35.1**	
Potassium	SW6010	--	--	--	mg/kg	**1110**		**1920**		**1800**		**2310**		**2660**	
Selenium	SW6010	--	--	--	mg/kg	< 5.4		< 5.2		1	J	1.2	J	2.3	J
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.6		< 1.5		< 1.1		**< 1.8**		**< 2.3**	
Sodiium	SW6010	--	--	--	mg/kg	**400**	J	**406**	J	**384**	J	**385**	J	**438**	J
Thallium	SW6010	--	--	--	mg/kg	< 3.9		< 3.7		< 2.9		< 4.5	U *	< 5.7	
Vanadium	SW6010	--	--	--	mg/kg	**35.8**		**44.4**		**44.1**		**48.6**		**55.1**	
Zinc	SW6010	120	290	460	mg/kg	**52.2**	*	**70.5**	*	**78.9**	*	**123**	*	**137**	*
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP12		ND20-BP12		ND20-BP12		ND20-BP13		ND20-BP13	
					Sample ID	ND20-BP12-4060_06/28/2020		ND20-BP12-6080_06/28/2020		ND20-BP12-8010_06/28/2020		ND20-BP13-SURF_06/25/2020		ND20-BP13-SURFFD_06/25/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		FD	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Volatile Organic Compounds															
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 8		**< 8.1**		< 7.9		**< 18**		**< 12**	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
2-Butanone	SW8260	--	--	--	µg/kg	4.7	J	**12**		**12**		16	J	11	J
2-Hexanone	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Acetone	SW8260	--	--	--	µg/kg	**93**		**170**		**160**		**74**		**65**	
Benzene	SW8260	57	83.5	110	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Bromoform	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Bromomethane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Chloroethane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Chloroform	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Chloromethane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Cyclohexane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 40		< 41		< 40		< 89		< 58	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Methycylohexane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Methylene Chloride	SW8260	--	--	--	µg/kg	6.6	J	< 8.1	J	< 7.9	J	< 18		< 12	
o-Xylene	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Styrene	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Toluene	SW8260	890	1345	1800	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Trichloroethene	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 8		< 8.1		< 7.9		< 18		< 12	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 8		< 8.1		0.25	J	< 18		< 12	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 16		< 16		< 16		**< 36**		< 23	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP12		ND20-BP12		ND20-BP12		ND20-BP13		ND20-BP13	
					Sample ID	ND20-BP12-4060_06/28/2020		ND20-BP12-6080_06/28/2020		ND20-BP12-8010_06/28/2020		ND20-BP13-SURF_06/25/2020		ND20-BP13-SURFFD_06/25/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		FD	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP12		ND20-BP12		ND20-BP12		ND20-BP13		ND20-BP13	
					Sample ID	ND20-BP12-4060_06/28/2020		ND20-BP12-6080_06/28/2020		ND20-BP12-8010_06/28/2020		ND20-BP13-SURF_06/25/2020		ND20-BP13-SURFFD_06/25/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		FD	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Semi-Volatile Organic Compounds															
Biphenyl	SW8270D	--	--	--	µg/kg	11	J	< 100		< 130		28	J	28	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 54		< 21		< 27		< 41		< 39	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 54		< 21		< 27		< 41		< 39	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	29	J	5.1	J	< 130		< 200		< 190	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 2600		< 1000		< 1300		< 2000		< 1900	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 54		< 21		< 27		< 41		< 39	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	**59**		10	J	**< 27**		**260**		**250**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	20	J	< 100		< 130		< 200		< 190	
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 1400		< 520		< 680		< 1000		< 990	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 1400		< 520		< 680		< 1000		< 990	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 1400		< 520		< 680		< 1000		< 990	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
4-Methylphenol	SW8270D	--	--	--	µg/kg	45	J	17	J	**24**	J	34	J	**300**	
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 1400		< 520		< 680		< 1000	U	< 990	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	21	J	5	J	**< 27**		14	J	15	J
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	11	J	2.1	J	**< 27**		23	J	26	J
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 540		< 210		< 270		< 410		< 390	
Anthracene	SW8270D	57.2	451	845	µg/kg	36	J	5.6	J	< 27		39	J	**45**	
Atrazine	SW8270D	--	--	--	µg/kg	< 540		< 210		< 270		< 410		< 390	
Benzaldehyde	SW8270D	--	--	--	µg/kg	50	J	14	J	**15**	J	< 410		< 390	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	**57**		8.2	J	< 27		**100**		**120**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	52	J	8.4	J	< 27		**97**		**110**	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	**71**		10	J	< 27		**130**		**130**	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	47	J	11	J	< 27		**89**		**94**	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	24	J	3.9	J	< 27		**47**		**56**	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	40	J	8	J	< 130		78	J	86	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 54		< 21		< 27		< 41		< 39	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 2600		< 1000		< 1300		< 2000		< 1900	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
Caprolactam	SW8270D	--	--	--	µg/kg	< 1400		< 520		**34**	J	< 1000		< 990	
Carbazole	SW8270D	--	--	--	µg/kg	11	J	< 21		< 27		12	J	14	J
Chrysene	SW8270D	166	728	1290	µg/kg	**64**		11	J	< 27		**130**		**140**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	**< 54**		< 21		< 27		**52**		**52**	
Dibenzofuran	SW8270D	150	365	580	µg/kg	29	J	5	J	< 130		**53**	J	**53**	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	< 260	J	< 100	J	< 130		< 200		< 190	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 260		< 100		< 130		< 200		< 190	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 260		6.6	J	< 130		< 200		< 190	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 260		< 100	U	< 130		< 200		< 190	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**150**		19	J	**2.6**	J	**170**		**190**	
Fluorene	SW8270D	77.4	307	536	µg/kg	37	J	5.9	J	< 27		26	J	28	J
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 54		< 21		< 27		< 41		< 39	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 54		< 21		< 27		< 41		< 39	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	33	J	5.8	J	< 27		**69**		**77**	
Isophorone	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
Naphthalene	SW8270D	176	369	561	µg/kg	50	J	8.9	J	< 27		**200**		**200**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP12		ND20-BP12		ND20-BP12		ND20-BP13		ND20-BP13	
					Sample ID	ND20-BP12-4060_06/28/2020		ND20-BP12-6080_06/28/2020		ND20-BP12-8010_06/28/2020		ND20-BP13-SURF_06/25/2020		ND20-BP13-SURFFD_06/25/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		FD	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 540		< 210		< 260		< 410		< 390	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 54		< 21		< 27		< 41		< 39	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 260		< 100		< 130		< 200		< 190	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	**< 1400**		**< 520**		**< 680**		**< 1000**		**< 990**	
Phenanthrene	SW8270D	204	687	1170	µg/kg	**95**		19	J	< 27		**140**		**150**	
Phenol	SW8270D	4200	8100	12000	µg/kg	19	J	< 100		< 130		< 200		< 190	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 1400		< 520		< 680		< 1000		< 990	
Pyrene	SW8270D	195	858	1520	µg/kg	**130**		17	J	< 27		**160**		**190**	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP12		ND20-BP12		ND20-BP12		ND20-BP13		ND20-BP13	
					Sample ID	ND20-BP12-4060_06/28/2020		ND20-BP12-6080_06/28/2020		ND20-BP12-8010_06/28/2020		ND20-BP13-SURF_06/25/2020		ND20-BP13-SURFFD_06/25/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		FD	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-	
Polychlorinated Biphenyls															
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg										
Organotins															
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP12		ND20-BP12		ND20-BP12		ND20-BP13		ND20-BP13	
					Sample ID	ND20-BP12-4060_06/28/2020		ND20-BP12-6080_06/28/2020		ND20-BP12-8010_06/28/2020		ND20-BP13-SURF_06/25/2020		ND20-BP13-SURFFD_06/25/2020	
					Date	06-28-2020		06-28-2020		06-28-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	4 - 6		6 - 8		8 - 10		0 - 0.3		0 - 0.3	
					Sample type	N		N		N		N		FD	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--	
Pesticides															
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g	-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g	-		-		-		-		-	
Other															
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-		-		-		-		-	
Moisture	D2216	--	--	--	%	-		-		-		-		-	
Moisture	SM2540	--	--	--	%	**60**		**55**		**60**		**150**		**170**	
Total Organic Carbon	SW9060	--	--	--	mg/kg	**23900**		**20800**		**28600**		**121000**		**79400**	
Total Organic Carbon	TOC	--	--	--	mg/kg	-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP14	
						Sample ID	ND20-BP13-0320_06/25/2020		ND20-BP13-2040_06/25/2020		ND20-BP13-4060_06/25/2020		ND20-BP13-6080_06/25/2020		ND20-BP13-8010_06/25/2020		ND20-BP14-SURF_06/25/2020	
						Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
						Sample depth (ftbss)	0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10		0 - 0.3	
						Sample type	N		N		N		N		N		N	
Polycyclic Aromatic Hydrocarbons (PAHs)																		
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg		**24**	J D	**1.1**	J	< 5.4		< 4.9		< 5		**69**	D
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg		**35**	D	**1.2**	J	< 5.4		< 4.9		< 5		**99**	**D**
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg		**7.9**	J D	< 5.1		< 5.4		< 4.9		< 5		**6.9**	**J D**
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg		**6**	J D	< 5.1		< 5.4		< 4.9		< 5		**8.6**	**J D**
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg		16	J D	**0.76**	J	< 5.4		< 4.9		< 5		**33**	D
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg		**64**	D	**2.3**	J	< 5.4		< 4.9		< 5		**77**	D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg		**71**	D	**2.6**	J	< 5.4		< 4.9		< 5		**81**	D
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg		**75**	D	**3.7**	J	< 5.4		< 4.9		< 5		**97**	D
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg		**40**	D	**1.6**	J	< 5.4		< 4.9		< 5		**69**	D
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg		**63**	D	**2.5**	J	< 5.4		< 4.9		< 5		**71**	D
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg		**55**	D	**1.8**	J	< 5.4		< 4.9		< 5		**69**	D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		**54**	D	< 5.1		< 5.4		< 4.9		< 5		**78**	D
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg		**180**	D	**18**		**6.9**		< 4.9		**7**		**230**	D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 27		< 5.1		< 5.4		< 4.9		< 5		**25**	D
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 27		< 5.1		< 5.4		< 4.9		< 5		< 11	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		**64**	D	**5.2**		< 5.4		< 4.9		< 5		**160**	D
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		**51**	D	< 5.1		< 5.4		< 4.9		< 5		**69**	D
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg		**100**	D	**13**		< 5.4		< 4.9		< 5		**190**	D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg		**30**	D	< 5.1		< 5.4		< 4.9		< 5		**65**	D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		**120**	D	**6.1**		< 5.4		< 4.9		< 5		**250**	D
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		**88**	D	**5.2**		< 5.4		< 4.9		< 5		**170**	D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		**50**	D	< 5.1		< 5.4		< 4.9		< 5		**71**	D
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg		**89**	D	**7.2**		< 5.4		< 4.9		< 5		**130**	D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg		**51**	D	< 5.1		< 5.4		< 4.9		< 5		**130**	D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		**170**	D	**13**		< 5.4		< 4.9		< 5		**290**	D
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		**78**	D	**6.5**		< 5.4		< 4.9		< 5		**130**	D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 27		< 5.1		< 5.4		< 4.9		< 5		**32**	D
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		**190**	D	**14**		**7.2**		**6.1**		**6.7**		**240**	D
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		**76**	D	**10**		< 5.4		**5**		**8.3**		**110**	D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg		**78**	D	**3**	J	< 5.4		< 4.9		< 5		**130**	D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg		**12**	J D	**0.79**	J	< 5.4		< 4.9		< 5		**23**	D
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg		**140**	D	**6.9**		< 5.4		< 4.9		< 5		**210**	D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg		**13**	J D	**1.4**	J	< 5.4		< 4.9		< 5		**18**	D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg		**37**	D	**1.6**	J	< 5.4		< 4.9		< 5		**60**	D
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg		**33**	D	**1.2**	J	< 5.4		< 4.9		< 5		**66**	D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg		**270**	D	**280**	D	**140**		**120**	D	**120**	D	**51**	D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg		**61**	D	**4.7**	J	< 5.4		< 4.9		< 5		**130**	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg		**150**	D	**6.3**		< 5.4		< 4.9		< 5		**160**	D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg		**870**		**39**		< 5.4		< 4.9		< 5		**1200**	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg		**2600**		**400**		**130**		**120**		**140**		**3700**	
Metals																		
Aluminium	SW6010	--	--	--	mg/kg		**14400**		**14700**		**15100**		**13400**		**13700**		**8580**	
Antimony	SW6010	2	13.5	25	mg/kg		**< 9.2**	U *	**< 6.2**	U *	**< 7.2**	U *	**< 7.5**	U *	**< 6.7**	U *	**< 7.9**	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg		**4**		**3.3**		**3.6**		**3.2**		**2.8**		**5.2**	
Barium	SW6010	--	--	--	mg/kg		**96.4**		**88**		**106**		**97.4**		**91.6**		**73.9**	
Beryllium	SW6010	--	--	--	mg/kg		**0.55**	J	**0.56**		**0.59**	J	**0.52**	J	0.5	J	0.49	J
Cadmium	SW6010	0.99	3	5	mg/kg		**0.41**	J	**0.34**	J	**0.36**	J	**0.38**	J	0.36	J	0.34	J
Calcium Metal	SW6010	--	--	--	mg/kg		**9620**	*	**11700**	*	**12600**	*	**8250**	*	**9380**	*	**5590**	
Chromium	SW6010	43	76.5	110	mg/kg		**33.9**	*	**32.4**	*	**35.1**	*	**31.5**	*	**32.7**	*	**19.8**	
Cobalt	SW6010	--	--	--	mg/kg		**10.7**		**10.8**		**12.4**		**11.2**		**10.8**		**7**	
Copper	SW6010	32	91	150	mg/kg		**18.3**		**18.5**		**19.1**		**16.3**		**16.6**		**19.6**	
Iron	SW6010	20000	30000	40000	mg/kg		**25000**		**24300**		**24900**		**22100**		**23000**		**23400**	
Lead	SW6010	36	83	130	mg/kg		**13**		**6.1**		**6.7**		**5.8**		**5.5**		**14.7**	
Magnesium	SW6010	--	--	--	mg/kg		**8150**		**9580**		**10200**		**7300**		**7930**		**4830**	
Manganese	SW6010	460	780	1100	mg/kg		**641**		**636**		**1050**		**686**		**718**		**528**	
Mercury	SW6010	0.18	0.64	1.1	mg/kg		**0.055**	J	< 0.15		< 0.13		< 0.13		< 0.15		**0.072**	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP14	
					Sample ID	ND20-BP13-0320_06/25/2020		ND20-BP13-2040_06/25/2020		ND20-BP13-4060_06/25/2020		ND20-BP13-6080_06/25/2020		ND20-BP13-8010_06/25/2020		ND20-BP14-SURF_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10		0 - 0.3	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**25.5**		**25.9**		**28.9**		**25.8**		**25.4**		**16.7**	
Potassium	SW6010	--	--	--	mg/kg	**1600**		**1670**		**1800**		**1580**		**1470**		**1030**	
Selenium	SW6010	--	--	--	mg/kg	< 5.4		0.6	J	0.63	J	< 4.4		**0.81**	J	**0.89**	J
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.5		< 1		< 1.2		< 1.3		< 1.1		< 1.3	
Sodiium	SW6010	--	--	--	mg/kg	**341**	J	**328**	J	**351**	J	**338**	J	**331**	J	226	J
Thallium	SW6010	--	--	--	mg/kg	< 3.8	U *	< 2.6	U *	< 3	U *	< 3.1	U *	< 2.8	U *	< 3.3	U *
Vanadium	SW6010	--	--	--	mg/kg	**41.3**		**40.8**		**43.7**		**42.2**		**39.1**		**31.1**	
Zinc	SW6010	120	290	460	mg/kg	**86.4**	*	**61.4**	*	**74.4**	*	**76.1**	*	**69.9**	*	**99.7**	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP14	
					Sample ID	ND20-BP13-0320_06/25/2020		ND20-BP13-2040_06/25/2020		ND20-BP13-4060_06/25/2020		ND20-BP13-6080_06/25/2020		ND20-BP13-8010_06/25/2020		ND20-BP14-SURF_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10		0 - 0.3	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
Volatile Organic Compounds																	
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 7		< 6.4		< 6.9		< 6.3		**< 370**		**< 8.5**	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 7		< 6.4		< 6.9		< 6.3		**< 370**		< 8.5	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 7		< 6.4		< 6.9		< 6.3		**< 370**		< 8.5	
2-Butanone	SW8260	--	--	--	µg/kg	5.4	J	**7.8**		**9.6**		**12**		**660**		< 8.5	
2-Hexanone	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Acetone	SW8260	--	--	--	µg/kg	16	J	23	**J**	**31**		**39**		**2200**		**65**	
Benzene	SW8260	57	83.5	110	µg/kg	< 7		< 6.4		< 6.9		< 6.3		**< 370**		< 8.5	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Bromoform	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Bromomethane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Chloroethane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Chloroform	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Chloromethane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Cyclohexane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 35		< 32		< 34		< 32		< 1800		< 42	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Methycylohexane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Methylene Chloride	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		1.7	J
o-Xylene	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Styrene	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Toluene	SW8260	890	1345	1800	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Trichloroethene	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 7		< 6.4		< 6.9		< 6.3		< 370		< 8.5	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 14		< 13		< 14		< 13		**< 730**		< 17	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP14	
					Sample ID	ND20-BP13-0320_06/25/2020		ND20-BP13-2040_06/25/2020		ND20-BP13-4060_06/25/2020		ND20-BP13-6080_06/25/2020		ND20-BP13-8010_06/25/2020		ND20-BP14-SURF_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10		0 - 0.3	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP14	
					Sample ID	ND20-BP13-0320_06/25/2020		ND20-BP13-2040_06/25/2020		ND20-BP13-4060_06/25/2020		ND20-BP13-6080_06/25/2020		ND20-BP13-8010_06/25/2020		ND20-BP14-SURF_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10		0 - 0.3	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
Semi-Volatile Organic Compounds																	
Biphenyl	SW8270D	--	--	--	µg/kg	6.7	J	< 24		< 26		< 25		< 76		23	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 22		< 4.9		< 5.2		< 5		< 15		< 59	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 22		< 4.9		< 5.2		< 5		< 15		< 59	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 1100		< 240		< 260		< 250		< 760		< 2900	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 22		< 4.9		< 5.2		< 5		< 15		< 59	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	**49**		0.43	J	< 5.2		< 5		< 15		**200**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 570		< 120		< 130		< 130		< 390		< 1500	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 570		< 120		< 130		< 130		< 390		< 1500	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 570		< 120		< 130		< 130		< 390		< 1500	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
4-Methylphenol	SW8270D	--	--	--	µg/kg	8.6	J	< 24		< 26		< 25		< 76		19	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 570		< 120		< 130		< 130		< 390		< 1500	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	11	J	< 4.9		< 5.2		< 5		< 15		< 59	U
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	11	J	< 4.9		< 5.2		< 5		< 15		23	J
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 220		< 49		< 52		< 50		< 150		24	J
Anthracene	SW8270D	57.2	451	845	µg/kg	**24**		< 4.9		< 5.2		< 5		< 15		42	J
Atrazine	SW8270D	--	--	--	µg/kg	< 220		< 49		< 52		< 50		< 150		< 590	
Benzaldehyde	SW8270D	--	--	--	µg/kg	< 220		2.3	J	< 52		< 50		14	J	< 590	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	**60**		< 4.9		< 5.2		< 5		< 15		**95**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	**59**		< 4.9		< 5.2		< 5		< 15		**92**	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	**74**		< 4.9		< 5.2		< 5		< 15		**110**	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	**52**		< 4.9		0.29	J	< 5		< 15		**100**	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	**27**		< 4.9		< 5.2		< 5		< 15		41	J
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	45	J	< 24		< 26		< 25		< 76		82	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 22		< 4.9		< 5.2		< 5		< 15		< 59	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	< 1100		< 240		< 260		< 250		< 760		< 2900	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
Caprolactam	SW8270D	--	--	--	µg/kg	< 570		< 120		< 130		< 130		< 390		< 1500	
Carbazole	SW8270D	--	--	--	µg/kg	5.3	J	< 4.9		< 5.2		< 5		< 15		14	J
Chrysene	SW8270D	166	728	1290	µg/kg	**68**		< 4.9		< 5.2		< 5		< 15		**120**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	12	J	< 4.9		< 5.2		< 5		< 15		**69**	
Dibenzofuran	SW8270D	150	365	580	µg/kg	15	J	0.29	J	< 26		< 25		< 76		48	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	5.4	J	1.8	J	< 26		1.9	J	2.7	J	< 290	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**110**		1.7	J	< 5.2		< 5		< 15		**150**	
Fluorene	SW8270D	77.4	307	536	µg/kg	15	J	< 4.9		< 5.2		< 5		< 15		25	J
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 22		< 4.9		< 5.2		< 5		< 15		< 59	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 22		< 4.9		< 5.2		< 5		< 15		< 59	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	**43**		< 4.9		< 5.2		< 5		< 15		**75**	
Isophorone	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
Naphthalene	SW8270D	176	369	561	µg/kg	**52**		< 4.9		< 5.2		< 5		< 15		**150**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP14	
					Sample ID	ND20-BP13-0320_06/25/2020		ND20-BP13-2040_06/25/2020		ND20-BP13-4060_06/25/2020		ND20-BP13-6080_06/25/2020		ND20-BP13-8010_06/25/2020		ND20-BP14-SURF_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10		0 - 0.3	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 220		< 49		< 52		< 50		< 150		< 590	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 22		< 4.9		< 5.2		< 5		< 15		< 59	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	**< 570**		< 120		< 130		< 130		**< 390**		**< 1500**	
Phenanthrene	SW8270D	204	687	1170	µg/kg	**57**		1.7	J	< 5.2		< 5		< 15		**160**	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 110		< 24		< 26		< 25		< 76		< 290	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 570		< 120		< 130		< 130		< 390		< 1500	
Pyrene	SW8270D	195	858	1520	µg/kg	**91**		1.4	J	< 5.2		< 5		< 15		**140**	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP14	
					Sample ID	ND20-BP13-0320_06/25/2020		ND20-BP13-2040_06/25/2020		ND20-BP13-4060_06/25/2020		ND20-BP13-6080_06/25/2020		ND20-BP13-8010_06/25/2020		ND20-BP14-SURF_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10		0 - 0.3	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-		-	
Polychlorinated Biphenyls																	
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg									-		-	
Organotins																	
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP13		ND20-BP14	
						Sample ID	ND20-BP13-0320_06/25/2020		ND20-BP13-2040_06/25/2020		ND20-BP13-4060_06/25/2020		ND20-BP13-6080_06/25/2020		ND20-BP13-8010_06/25/2020		ND20-BP14-SURF_06/25/2020	
						Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
						Sample depth (ftbss)	0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10		0 - 0.3	
						Sample type	N		N		N		N		N		N	
							--		--		--		--		--		--	
Pesticides																		
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
Other																		
Acid volatile sulfides	SW6010	--	--	--	mg/kg		-		-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg		-		-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg		-		-		-		-		-		-	
Moisture	D2216	--	--	--	%		-		-		-		-		-		-	
Moisture	SM2540	--	--	--	%		**69**		**51**		**59**		**52**		**55**		**77**	
Total Organic Carbon	SW9060	--	--	--	mg/kg		**28800**		**21600**		**27300**		**26200**		**27900**		**55900**	
Total Organic Carbon	TOC	--	--	--	mg/kg		-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14	
					Sample ID	ND20-BP14-0320_06/25/2020		ND20-BP14-0320FD_06/25/2020		ND20-BP14-2040_06/25/2020		ND20-BP14-4060_06/25/2020		ND20-BP14-6080_06/25/2020		ND20-BP14-8010_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0.3 - 2		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		FD		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)																	
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	110	D	190	D	120	D	-		-		-	
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	170	D	260	D	150	D	-		-		-	
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	38	D	72	D	27	D	-		-		-	
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	16	J D	< 44		18	J D	-		-		-	
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	61	D	71	D	21	J D	-		-		-	
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	140	D	160	D	77	D	-		-		-	
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	140	D	110	D	69	D	-		-		-	
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	150	D	68	D	70	D	-		-		-	
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	87	D	65	D	37	D	-		-		-	
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	110	D	45	D	53	D	-		-		-	
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	110	D	140	D	62	D	-		-		-	
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	110	D	480	D	110	D	-		-		-	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	380	D	1900	D	510	D	-		-		-	
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	79	D	580	D	200	D	-		-		-	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 26		300	D	< 23		-		-		-	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	200	D	2300	D	470	D	-		-		-	
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	86	D	370	D	92	D	-		-		-	
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	200	D	1700	D	290	D	-		-		-	
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	160	D	1600	D	430	D	-		-		-	
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	440	D	1800	D	790	D	-		-		-	
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	240	D	2800	D	700	D	-		-		-	
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	89	D	250	D	90	D	-		-		-	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	200	D	930	D	280	D	-		-		-	
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	230	D	1700	D	630	D	-		-		-	
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	620	D	4800	J D	1700	D	-		-		-	
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	220	D	2100	D	580	D	-		-		-	
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	44	D	320	D	51	D	-		-		-	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	760	D	4800	D	2100	D	-		-		-	
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	180	D	1400	D	390	D	-		-		-	
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	170	D	210	D	100	D	-		-		-	
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	28	D	22	J D	16	J D	-		-		-	
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	330	D	270	D	200	D	-		-		-	
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	42	D	130	D	47	D	-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	78	D	36	J D	35	D	-		-		-	
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	120	D	120	D	67	D	-		-		-	
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	130	D	100	D	110	D	-		-		-	
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	210	D	880	D	240	D	-		-		-	
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	290	D	760	D	190	D	-		-		-	
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	2000		2900		1300		-		-		-	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	6500		33000		11000		-		-		-	
Metals																	
Aluminium	SW6010	--	--	--	mg/kg	6400		3230		6040		11100		5360		7230	
Antimony	SW6010	2	13.5	25	mg/kg	< 6.4	U *	< 5.6	U *	< 6.2	U *	< 6.7	U *	< 6	U *	< 6.8	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	5.5		2.5		3.1		3.4		2.2		2.7	
Barium	SW6010	--	--	--	mg/kg	53.7		26.9		73.7		75.5		24.9		41.2	
Beryllium	SW6010	--	--	--	mg/kg	0.55		< 0.47	J	0.33	J	0.45	J	0.37	J	0.41	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.33	J	0.33	J	0.45	J	0.32	J	< 0.5		0.24	J
Calcium Metal	SW6010	--	--	--	mg/kg	4080		2140		5070		8890		3010		6880	
Chromium	SW6010	43	76.5	110	mg/kg	16.5		8		14.6		27.5		11.6		17.5	
Cobalt	SW6010	--	--	--	mg/kg	6.2		3.7	J	5.9		9.1		6.3		6.9	
Copper	SW6010	32	91	150	mg/kg	20.9		8.4		45.7		15.5		5.8		10.7	
Iron	SW6010	20000	30000	40000	mg/kg	19700		10700		13300		20100		9760		14100	
Lead	SW6010	36	83	130	mg/kg	42.5		46.6		54.1		7.2		3.3		7.9	
Magnesium	SW6010	--	--	--	mg/kg	3230		1640		3720		6880		2440		4920	
Manganese	SW6010	460	780	1100	mg/kg	1870	D	211		260		560		137		255	
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.13		0.096	J	< 0.14		< 0.16		< 0.11		< 0.12	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14	
					Sample ID	ND20-BP14-0320_06/25/2020		ND20-BP14-0320FD_06/25/2020		ND20-BP14-2040_06/25/2020		ND20-BP14-4060_06/25/2020		ND20-BP14-6080_06/25/2020		ND20-BP14-8010_06/25/2020			
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020			
					Sample depth (ftbss)	0.3 - 2		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10			
					Sample type	N		FD		N		N		N		N			
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--			
Nickel	SW6010	23	36	49	mg/kg	**15.1**		**7.4**		**12.6**		**21.1**		**13.5**		**15.8**			
Potassium	SW6010	--	--	--	mg/kg	**694**		**364**	J	**661**		**1230**		448	J	**735**			
Selenium	SW6010	--	--	--	mg/kg	**1.3**	J	**0.52**	J	**0.74**	J	**0.77**	J	< 3.5		< 4			
Silver	SW6010	1.6	1.9	2.2	mg/kg	**0.24**	J	< 0.94		< 1		< 1.1		< 1		< 1.1			
Sodiium	SW6010	--	--	--	mg/kg	**170**	J	**104**	J	**183**	J	**296**	J	**130**	J	**218**	J		
Thallium	SW6010	--	--	--	mg/kg	< 2.6	U *	< 2.3	U *	< 2.6	U *	< 2.8	U *	< 2.5	U *	< 2.8	U *		
Vanadium	SW6010	--	--	--	mg/kg	**23.5**		**13.3**		**22.5**		**36.1**		**26.9**		**27.4**			
Zinc	SW6010	120	290	460	mg/kg	**135**		**192**		**289**		**59.7**		**31.6**		**40.5**			
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-		-			
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-		-			
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-		-			
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-		-			
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-		-			
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-			
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-			
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-			
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-		-			
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-		-			
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-			
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-			
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-		-			
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-		-			
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-		-			
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-		-			
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-		-			
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-		-			
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-		-			
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-			
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-		-			
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-			
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-		-			
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-			
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-			
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-		-			
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-			
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-			
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-			
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-		-			

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14	
					Sample ID	ND20-BP14-0320_06/25/2020		ND20-BP14-0320FD_06/25/2020		ND20-BP14-2040_06/25/2020		ND20-BP14-4060_06/25/2020		ND20-BP14-6080_06/25/2020		ND20-BP14-8010_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0.3 - 2		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		FD		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
Volatile Organic Compounds																	
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
2-Butanone	SW8260	--	--	--	µg/kg	**8.8**		**6.7**		**5.9**		< 7.4		**8.7**		6.3	J
2-Hexanone	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Acetone	SW8260	--	--	--	µg/kg	**38**		**29**		**24**		**41**		**28**		**33**	
Benzene	SW8260	57	83.5	110	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Bromoform	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Bromomethane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Chloroethane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Chloroform	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Chloromethane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Cyclohexane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 30		< 28		< 26		< 37		< 32		< 34	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Methycylohexane	SW8260	--	--	--	µg/kg	< 6		0.63	J	0.45	J	< 7.4		< 6.4		< 6.9	
Methylene Chloride	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
o-Xylene	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Styrene	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Toluene	SW8260	890	1345	1800	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Trichloroethene	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 6		< 5.6		< 5.2		< 7.4		< 6.4		< 6.9	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 12		< 11		< 10		< 15		< 13		< 14	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14	
					Sample ID	ND20-BP14-0320_06/25/2020		ND20-BP14-0320FD_06/25/2020		ND20-BP14-2040_06/25/2020		ND20-BP14-4060_06/25/2020		ND20-BP14-6080_06/25/2020		ND20-BP14-8010_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0.3 - 2		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		FD		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14	
						Sample ID	ND20-BP14-0320_06/25/2020		ND20-BP14-0320FD_06/25/2020		ND20-BP14-2040_06/25/2020		ND20-BP14-4060_06/25/2020		ND20-BP14-6080_06/25/2020		ND20-BP14-8010_06/25/2020	
						Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
						Sample depth (ftbss)	0.3 - 2		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
						Sample type	N		FD		N		N		N		N	
Semi-Volatile Organic Compounds							--		--		--		--		--		--	
Biphenyl	SW8270D	--	--	--	µg/kg		23	J	< 210		< 45		1.9	J	1.9	J	< 48	
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg		< 26		< 43		< 9.2		< 5.2		< 4.3		< 9.7	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg		< 26		< 43		< 9.2		< 5.2		< 4.3		< 9.7	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg		< 130		< 210		21	J	< 25		9.4	J	< 48	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg		< 1300		< 2100		< 450		< 250		< 210		< 480	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg		< 26		< 43		< 9.2		< 5.2		< 4.3		< 9.7	
2-Chlorophenol	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg		**170**		**350**		**180**		**9.7**		**9.1**		**43**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg		< 130		28	J	11	J	3.3	J	3	J	16	J
2-Nitroaniline	SW8270D	--	--	--	µg/kg		< 650		< 1100		< 230		< 130		< 110		< 240	
2-Nitrophenol	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
3-Nitroaniline	SW8270D	--	--	--	µg/kg		< 650		< 1100		< 230		< 130		< 110		< 240	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg		< 650		< 1100		< 230		< 130		< 110		< 240	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25	U	< 21		< 48	
4-Methylphenol	SW8270D	--	--	--	µg/kg		< 130		42	J	21	J	**7.1**	J	< 21		34	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg		< 650		< 1100		< 230		< 130		< 110		< 240	
Acenaphthene	SW8270D	6.7	48	89	µg/kg		**27**		**92**		**25**		< 5.2		3.1	J	7	J
Acenaphthylene	SW8270D	5.9	67	128	µg/kg		15	J	< 43		< 9.2		2	J	3	J	**11**	
ACETOPHENONE	SW8270D	--	--	--	µg/kg		< 260		< 430		< 92		< 52		< 43		< 97	
Anthracene	SW8270D	57.2	451	845	µg/kg		**39**		**150**		**38**		3.8	J	**6.8**		**19**	
Atrazine	SW8270D	--	--	--	µg/kg		< 260		< 430		< 92		< 52		< 43		< 97	
Benzaldehyde	SW8270D	--	--	--	µg/kg		< 260		< 430		< 92		11	J	5.5	J	< 97	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg		**85**		**250**		**180**		**11**		**15**		**57**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg		**72**		**170**		**98**	*	**9.4**		**13**		**46**	*
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg		**80**		**180**		**86**	*	**11**		**14**		**56**	*
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg		**69**		**150**		**97**	*	**8.7**		**11**		**41**	*
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg		**27**		**59**		**20**	*	4.6	J	**6.3**		**19**	*
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg		76	J	150	J	**140**	*	7.5	J	9.6	J	39	J *
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg		< 26		< 43		< 9.2		< 5.2		< 4.3		< 9.7	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg		< 1300		< 2100		< 450		< 250		< 210		< 480	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
Caprolactam	SW8270D	--	--	--	µg/kg		< 650		< 1100		< 230		< 130		< 110		< 240	
Carbazole	SW8270D	--	--	--	µg/kg		< 26		37	J	**32**		< 5.2		1.5	J	< 9.7	
Chrysene	SW8270D	166	728	1290	µg/kg		**100**		**280**		**320**		**11**		**15**		**52**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg		**37**		**71**		**52**	*	< 5.2		**6.2**		**18**	*
Dibenzofuran	SW8270D	150	365	580	µg/kg		40	J	53	J	33	J	3.4	J	**3.6**	J	13	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg		< 130		< 210		< 45	U *	< 25		< 21		< 48	U *
Fluoranthene	SW8270D	423	1327	2230	µg/kg		**160**		**520**		**140**		**21**		**34**		**100**	
Fluorene	SW8270D	77.4	307	536	µg/kg		**31**		**110**		**43**		3.5	J	**4.5**		**17**	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg		< 26		< 43		< 9.2		< 5.2		< 4.3		< 9.7	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg		< 26		< 43		< 9.2		< 5.2		< 4.3		< 9.7	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
Hexachloroethane	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg		**47**		**110**		**48**	*	**7.8**		**9.9**		**34**	*
Isophorone	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
Naphthalene	SW8270D	176	369	561	µg/kg		**130**		**170**		**97**		**7.3**		**7.2**		**26**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14	
						Sample ID	ND20-BP14-0320_06/25/2020		ND20-BP14-0320FD_06/25/2020		ND20-BP14-2040_06/25/2020		ND20-BP14-4060_06/25/2020		ND20-BP14-6080_06/25/2020		ND20-BP14-8010_06/25/2020	
						Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
						Sample depth (ftbss)	0.3 - 2		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
						Sample type	N		FD		N		N		N		N	
							--		--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg		< 250		< 430		< 92		< 51		< 43		< 96	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg		< 26		< 43		< 9.2		< 5.2		< 4.3		< 9.7	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
P-Chloroaniline	SW8270D	--	--	--	µg/kg		< 130		< 210		< 45		< 25		< 21		< 48	
Pentachlorophenol	SW8270D	150	175	200	µg/kg		**< 650**		**< 1100**		**< 230**		< 130		< 110		**< 240**	
Phenanthrene	SW8270D	204	687	1170	µg/kg		**140**		**760**		**320**		**11**		**21**		**40**	
Phenol	SW8270D	4200	8100	12000	µg/kg		< 130		18	J	< 45		< 25		< 21		< 48	
P-Nitroaniline	SW8270D	--	--	--	µg/kg		< 650		< 1100		< 230		< 130		< 110		< 240	
Pyrene	SW8270D	195	858	1520	µg/kg		**170**		**780**		**270**		**22**		**32**		**110**	
Biphenyl	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg		-		-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg		-		-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg		-		-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg		-		-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg		-		-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg		-		-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg		-		-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg		-		-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg		-		-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg		-		-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg		-		-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14	
					Sample ID	ND20-BP14-0320_06/25/2020		ND20-BP14-0320FD_06/25/2020		ND20-BP14-2040_06/25/2020		ND20-BP14-4060_06/25/2020		ND20-BP14-6080_06/25/2020		ND20-BP14-8010_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0.3 - 2		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		FD		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-		-	
Polychlorinated Biphenyls																	
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-		-	
Organotins																	
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14		ND20-BP14	
						Sample ID	ND20-BP14-0320_06/25/2020		ND20-BP14-0320FD_06/25/2020		ND20-BP14-2040_06/25/2020		ND20-BP14-4060_06/25/2020		ND20-BP14-6080_06/25/2020		ND20-BP14-8010_06/25/2020	
						Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
						Sample depth (ftbss)	0.3 - 2		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
						Sample type	N		FD		N		N		N		N	
							--		--		--		--		--		--	
Pesticides																		
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
Other																		
Acid volatile sulfides	SW6010	--	--	--	mg/kg		-		-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg		-		-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg		-		-		-		-		-		-	
Moisture	D2216	--	--	--	%		-		-		-		-		-		-	
Moisture	SM2540	--	--	--	%		**52**		**30**		**39**		**55**		**30**		**45**	
Total Organic Carbon	SW9060	--	--	--	mg/kg		**52200**		**32000**		**24600**		**23200**		**12200**		**19200**	
Total Organic Carbon	TOC	--	--	--	mg/kg		-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15	
						Sample ID	ND20-BP15-SURF_06/25/2020		ND20-BP15-0320_06/25/2020		ND20-BP15-2040_06/25/2020		ND20-BP15-4060_06/25/2020		ND20-BP15-6080_06/25/2020		ND20-BP15-8010_06/25/2020	
						Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
						Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
						Sample type	N		N		N		N		N		N	
Polycyclic Aromatic Hydrocarbons (PAHs)						--												
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg		32	D	300	D	220	D	310	D	110	D	99	D
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg		44	D	450	D E	310	D	370	D	160	D	160	D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg		7.9	J D	61	D	35	D	240	D	35	J D	31	D
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg		6.9	J D	35	D	16	J D	30	D	27	J D	28	D
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg		26	D	98	D	46	D	380	D	99	J D	88	D
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg		81	D	230	D	120	D	690	D	350	D	310	D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg		85	D	220	D	120	D	640	D	360	D	310	D
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg		90	D	220	D	120	D	610	D	370	D	280	D
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg		53	D	130	D	69	D	300	D	170	D	160	D
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg		75	D	180	D	120	D	550	D	340	D	300	D
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg		63	D	190	D	97	D	360	D	230	D	190	D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		55	D	290	D	160	D	340	D	240	D	270	D
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg		160	D	950	D	580	D	1300	D	1000	D	920	D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg		16	D	190	D	100	D	140	D	< 100		77	D
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		< 11		510	D	< 25		< 26	U	< 100		< 26	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		79	D	700	D	400	D	690	D	340	D	310	D
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		42	D	340	D	180	D	230	D	200	D	220	D
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg		93	D	700	D	390	D	570	D	510	D	450	D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg		28	D	390	D	200	D	140	D	120	D	100	D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		120	D	1500	D	1100	D	1900	D	520	D	540	D
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		76	D	930	D	490	D	500	D	430	D	390	D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		42	D	340	D	170	D	200	D	170	D	180	D
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg		68	D	630	D	340	D	390	D	370	D	320	D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg		39	D	610	D	300	D	200	D	190	D	150	D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		140	D	1900	D	1700	D	2000	D	780	D	690	D
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		65	D	880	D	460	D	380	D	380	D	350	D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		23	D	170	D	84	D	91	D	110	D	93	D
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		130	D	2100	D	1300	D	1100	D	700	D	550	D
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		75	D	700	D	360	D	290	D	300	D	290	D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg		93	D	270	D	140	D	700	D	350	D	310	D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg		18	D	42	D	22	J D	160	D	54	J D	52	D
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg		200	D	570	D	290	D	1900	D	770	D	670	D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg		17	D	120	D	70	D	320	D	89	J D	88	D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg		52	D	110	D	66	D	290	D	180	D	170	D
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg		42	D	390	D	180	D	220	D	98	J D	77	D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg		68	D	120	D	110	D	260	D	210	D	180	D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg		93	D	510	D	300	D	1900	D	320	D	260	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg		140	D	540	D	290	D	1600	D	710	D	600	D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg		1100		3700		2000		10000		4300		3700	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg		2500		18000		11000		22000		11000		10000	
Metals																		
Aluminium	SW6010	--	--	--	mg/kg		11500		6470		7230		6830		7190		8660	
Antimony	SW6010	2	13.5	25	mg/kg		< 9.4	U *	< 6.7	U *	0.81	J *	< 7.5	U *	< 7.6	U *	< 8.5	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg		5.2		5.6		4		3.4		3.2		4.3	
Barium	SW6010	--	--	--	mg/kg		89.8		61.9		51.6		48		47.1		56.2	
Beryllium	SW6010	--	--	--	mg/kg		0.57	J	0.46	J	0.39	J	0.38	J	0.35	J	0.43	J
Cadmium	SW6010	0.99	3	5	mg/kg		0.4	J	0.51	J	0.47	J	0.32	J	0.33	J	0.38	J
Calcium Metal	SW6010	--	--	--	mg/kg		9470		5710	*	5810	*	6030	*	6240	*	8540	*
Chromium	SW6010	43	76.5	110	mg/kg		27.3		15.8	*	17.9	*	16.4	*	17.1	*	20.7	*
Cobalt	SW6010	--	--	--	mg/kg		9.3		6.3		6.6		6.2	J	5.8	J	7.3	
Copper	SW6010	32	91	150	mg/kg		17.1		15.1		13.4		12.2		11.2		14.4	
Iron	SW6010	20000	30000	40000	mg/kg		25700		17200		16000		14900		16100		21300	
Lead	SW6010	36	83	130	mg/kg		14.6		36.1		52.1		13.8		15.3		17.7	
Magnesium	SW6010	--	--	--	mg/kg		7600		4050		4340		4450		4660		6060	
Manganese	SW6010	460	780	1100	mg/kg		858		275		295		305		348		488	
Mercury	SW6010	0.18	0.64	1.1	mg/kg		0.051	J	0.13	J	< 0.14		0.046	J	0.055	J	0.089	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15	
					Sample ID	ND20-BP15-SURF_06/25/2020		ND20-BP15-0320_06/25/2020		ND20-BP15-2040_06/25/2020		ND20-BP15-4060_06/25/2020		ND20-BP15-6080_06/25/2020		ND20-BP15-8010_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**22.1**		**14.3**		**14.7**		**14.3**		**13.7**		**17.3**	
Potassium	SW6010	--	--	--	mg/kg	**1400**		**710**		**757**		**817**		**836**		**997**	
Selenium	SW6010	--	--	--	mg/kg	**1**	J	**1.1**	J	**0.86**	J	**0.72**	J	< 4.4		< 4.9	
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.6		< 1.1		< 1.1		< 1.3		< 1.3		< 1.4	
Sodiium	SW6010	--	--	--	mg/kg	**333**	J	**242**	J	**391**	J	**667**		**891**		**726**	
Thallium	SW6010	--	--	--	mg/kg	< 3.9	U *	< 2.8	U *	< 2.8	U *	< 3.1	U *	< 3.2	U *	< 3.5	U *
Vanadium	SW6010	--	--	--	mg/kg	**40.9**		**24**		**26.4**		**26.9**		**26.2**		**32.2**	
Zinc	SW6010	120	290	460	mg/kg	**77**		**111**	*	**92.6**	*	**62.4**	*	**58.4**	*	**68.4**	*
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15	
						Sample ID	ND20-BP15-SURF_06/25/2020		ND20-BP15-0320_06/25/2020		ND20-BP15-2040_06/25/2020		ND20-BP15-4060_06/25/2020		ND20-BP15-6080_06/25/2020		ND20-BP15-8010_06/25/2020	
						Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
						Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
						Sample type	N		N		N		N		N		N	
Volatile Organic Compounds							--		--		--		--		--		--	
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		0.8	J	< 7.4	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
2-Butanone	SW8260	--	--	--	µg/kg		4.6	J	5.2	J	< 7.3		**8.9**		< 6.5		5.7	J
2-Hexanone	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Acetone	SW8260	--	--	--	µg/kg		**71**		16	J	< 29		**39**		**49**		18	J
Benzene	SW8260	57	83.5	110	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Bromodichloromethane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Bromoform	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Bromomethane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Carbon Disulfide	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Chlorobenzene	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Chloroethane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Chloroform	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Chloromethane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Cyclohexane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Dibromochloromethane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Ethylbenzene	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Isopropylbenzene	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
m,p-Xylene	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Methyl Acetate	SW8260	--	--	--	µg/kg		< 49		< 39		< 36		< 38		< 32		< 37	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Methycylohexane	SW8260	--	--	--	µg/kg		< 9.8		1.7	J	< 7.3		< 7.6		< 6.5		< 7.4	
Methylene Chloride	SW8260	--	--	--	µg/kg		3.5	J	< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
o-Xylene	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Styrene	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Tetrachloroethene	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Toluene	SW8260	890	1345	1800	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Trichloroethene	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Vinyl Chloride	SW8260	--	--	--	µg/kg		< 9.8		< 7.8		< 7.3		< 7.6		< 6.5		< 7.4	
Xylenes (total)	SW8260	25	37.5	50	µg/kg		< 20		< 16		< 15		< 15		< 13		< 15	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15	
					Sample ID	ND20-BP15-SURF_06/25/2020		ND20-BP15-0320_06/25/2020		ND20-BP15-2040_06/25/2020		ND20-BP15-4060_06/25/2020		ND20-BP15-6080_06/25/2020		ND20-BP15-8010_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15	
					Sample ID	ND20-BP15-SURF_06/25/2020		ND20-BP15-0320_06/25/2020		ND20-BP15-2040_06/25/2020		ND20-BP15-4060_06/25/2020		ND20-BP15-6080_06/25/2020		ND20-BP15-8010_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
Semi-Volatile Organic Compounds																	
Biphenyl	SW8270D	--	--	--	µg/kg	23	J	100	J	77	J	57	J	28	J	31	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	< 17		< 72		< 25		< 26		< 25		< 26	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	< 17		< 72		< 25		< 26		< 25		< 26	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	< 84		< 360		< 120		59	J	28	J	39	J
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	< 840		< 3600		< 1200		< 1300		< 1200		< 1300	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	< 17		< 72		< 25		< 26		< 25		< 26	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	**150**		**800**		**540**		**440**		**170**		**220**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	5.5	J	60	J	47	J	34	J	16	J	19	J
2-Nitroaniline	SW8270D	--	--	--	µg/kg	< 430		< 1800		< 620		< 670		< 630		< 660	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	< 430		< 1800		< 620		< 670		< 630		< 660	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	< 430		< 1800		< 620		< 670		< 630		< 660	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
4-Methylphenol	SW8270D	--	--	--	µg/kg	13	J	110	J	77	J	73	J	35	J	41	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg	< 430		< 1800		< 620		< 670		< 630		< 660	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	13	J	**95**		**190**		**140**		**26**		**28**	
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	**28**		< 72		**33**		**45**		**41**		**53**	
ACETOPHENONE	SW8270D	--	--	--	µg/kg	< 170		< 720		< 250		< 260		< 250		< 260	
Anthracene	SW8270D	57.2	451	845	µg/kg	**50**		**150**		**340**		**200**		**79**		**86**	
Atrazine	SW8270D	--	--	--	µg/kg	< 170		< 720		< 250		< 260		< 250		< 260	
Benzaldehyde	SW8270D	--	--	--	µg/kg	< 170		< 720		< 250		< 260		< 250		< 260	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	**130**		**270**		**620**		**330**		**230**		**230**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	**130**		**240**		**560**		**310**		**210**		**210**	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	**160**		**300**		**600**		**320**		**250**		**240**	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	**120**		**220**		**400**		**210**		**150**		**150**	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	**55**		**83**		**250**		**130**		**91**		**100**	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	**96**		200	J	**330**		**180**		120	J	130	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	< 17		< 72		< 25		< 26		< 25		< 26	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	22	J	< 3600		< 1200		< 1300		< 1200		< 1300	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
Caprolactam	SW8270D	--	--	--	µg/kg	< 430		< 1800		< 620		< 670		< 630		< 660	
Carbazole	SW8270D	--	--	--	µg/kg	13	J	< 72		150		**74**		12	J	10	J
Chrysene	SW8270D	166	728	1290	µg/kg	**140**		**330**		**580**		**320**		**210**		**220**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	40		61	J	**95**		**66**		**55**		**58**	
Dibenzofuran	SW8270D	150	365	580	µg/kg	**36**	J	170	J	**170**		**140**		50	J	56	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	5.7	J	< 360		< 120		< 130		< 120		< 130	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	3.3	J	< 360		< 120		< 130		< 120		< 130	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	**210**		**410**		**1200**		**870**		**420**		**430**	
Fluorene	SW8270D	77.4	307	536	µg/kg	**26**		**150**		**200**		**170**		**60**		**72**	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	< 17		< 72		< 25		< 26		< 25		< 26	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	< 17		< 72		< 25		< 26		< 25		< 26	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
Hexachloroethane	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	**97**		**150**		**330**		**190**		**150**		**140**	
Isophorone	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
Naphthalene	SW8270D	176	369	561	µg/kg	**130**		**750**		**370**		**290**		**120**		**140**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15	
					Sample ID	ND20-BP15-SURF_06/25/2020		ND20-BP15-0320_06/25/2020		ND20-BP15-2040_06/25/2020		ND20-BP15-4060_06/25/2020		ND20-BP15-6080_06/25/2020		ND20-BP15-8010_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 170		< 720		< 240		< 260		< 250		< 260	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 17		< 72		< 25		< 26		< 25		< 26	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 84		< 360		< 120		< 130		< 120		< 130	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 430		< 1800		< 620		< 670		< 630		< 660	
Phenanthrene	SW8270D	204	687	1170	µg/kg	130		600		1600		960		220		210	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 84		< 360		31	J	27	J	< 120		< 130	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 430		< 1800		< 620		< 670		< 630		< 660	
Pyrene	SW8270D	195	858	1520	µg/kg	200		540		1300		770		380		380	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15	
					Sample ID	ND20-BP15-SURF_06/25/2020		ND20-BP15-0320_06/25/2020		ND20-BP15-2040_06/25/2020		ND20-BP15-4060_06/25/2020		ND20-BP15-6080_06/25/2020		ND20-BP15-8010_06/25/2020	
					Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
					Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-		-	
Polychlorinated Biphenyls																	
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-		-	
Organotins																	
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15		ND20-BP15	
						Sample ID	ND20-BP15-SURF_06/25/2020		ND20-BP15-0320_06/25/2020		ND20-BP15-2040_06/25/2020		ND20-BP15-4060_06/25/2020		ND20-BP15-6080_06/25/2020		ND20-BP15-8010_06/25/2020	
						Date	06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020		06-25-2020	
						Sample depth (ftbss)	0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8		8 - 10	
						Sample type	N		N		N		N		N		N	
							--		--		--		--		--		--	
Pesticides																		
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
Other																		
Acid volatile sulfides	SW6010	--	--	--	mg/kg		-		-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg		-		-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg		-		-		-		-		-		-	
Moisture	D2216	--	--	--	%		-		-		-		-		-		-	
Moisture	SM2540	--	--	--	%		**71**		**44**		**48**		**57**		**50**		**55**	
Total Organic Carbon	SW9060	--	--	--	mg/kg		**17700**		**134000**		**67800**		**51800**		**31400**		**33400**	
Total Organic Carbon	TOC	--	--	--	mg/kg		-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP15		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16	
						Sample ID	ND20-BP15-2040FD_06/26/2020		ND20-BP16-SURF_06/25/2020		ND20-BP16-0320_06/26/2020		ND20-BP16-2040_06/26/2020		ND20-BP16-4060_06/26/2020		ND20-BP16-6080_06/26/2020	
						Date	06-26-2020		06-25-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
						Sample depth (ftbss)	2 - 4		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
						Sample type	FD		N		N		N		N		N	
							--		--		--		--		--		--	
Polycyclic Aromatic Hydrocarbons (PAHs)																		
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg		**320**	D	**100**	D	**33**	D	**47**	D	-		-	
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg		**400**	D	**140**	D	**43**	D	**67**	D	-		-	
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg		**61**	D	17	J D	9.3	J D	21	J D	-		-	
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg		31	J D	18	J D	8	J D	8.9	J D	-		-	
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg		**72**	D	**68**	D	**33**	D	**31**	D	-		-	
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg		**190**	D	**210**	D	**89**	D	**87**	D	-		-	
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg		**220**	D	**230**	D	**87**	D	**83**	D	-		-	
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg		**190**	D	**250**	D	**80**	D	**81**	D	-		-	
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg		**120**	D	**120**	D	**59**	D	**53**	D	-		-	
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg		**180**	D	**200**	D	**75**	D	**72**	D	-		-	
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg		**180**	D	**170**	D	**66**	D	**63**	D	-		-	
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		**290**	D	**150**	D	**66**	D	**69**	D	-		-	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg		**860**	D	**410**	D	**160**	D	**170**	D	-		-	
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg		**230**	D	< 44		< 26		**28**	D	-		-	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		**470**	D	< 44		**50**	D	**75**	D	-		-	
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		**730**	D	**200**	D	**80**	D	**110**	D	-		-	
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		**220**	D	**130**	D	**47**	D	**56**	D	-		-	
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg		**620**	D	**240**	D	**100**	D	**110**	D	-		-	
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg		**470**	D	**61**	D	**29**	D	**61**	D	-		-	
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		**1800**	D	**350**	D	**130**	D	**210**	D	-		-	
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		**1100**	D	**180**	D	**81**	D	**130**	D	-		-	
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		**180**	D	**120**	D	**26**	D	**28**	D	-		-	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg		**530**	D	**190**	D	**54**	D	**72**	D	-		-	
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg		**740**	D	**100**	D	**27**	D	**62**	D	-		-	
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		**3600**	D	**410**	D	**120**	D	**250**	D	-		-	
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		**990**	D	**160**	D	**88**	D	**110**	D	-		-	
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg		**130**	D	**61**	D	< 26		< 23		-		-	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg		**3000**	D	**330**	D	**100**	D	**240**	D	-		-	
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg		**730**	D	**180**	D	**37**	D	**95**	D	-		-	
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg		**250**	D	**270**	D	**100**	D	**100**	D	-		-	
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg		45	J D	37	J D	**19**	J D	18	J D	-		-	
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg		**380**	D	**460**	D	**220**	D	**220**	D	-		-	
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg		**120**	D	40	J D	22	J D	**26**	D	-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg		**110**	D	**110**	D	**59**	D	**49**	D	-		-	
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg		**260**	D	**120**	D	**54**	D	**68**	D	-		-	
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg		**140**	D	**180**	D	**110**	D	**78**	D	-		-	
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg		**430**	D	**230**	D	**84**	D	**110**	D	-		-	
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg		**340**	D	**350**	D	**140**	D	**160**	D	-		-	
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg		**3000**		**2700**		**1100**		**1200**		-		-	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg		**20000**		**6400**		**2500**		**3200**		-		-	
Metals																		
Aluminium	SW6010	--	--	--	mg/kg		**6470**		**16900**		**13900**		**7450**		**5080**		**7250**	
Antimony	SW6010	2	13.5	25	mg/kg		< 6.9	U *	< 12.6	U *	< 8.5	U *	< 8.3	U *	< 6.4	U *	< 7.9	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg		**4.9**		**7**		**4.8**	*	**5**	*	4.6	*	**3.2**	*
Barium	SW6010	--	--	--	mg/kg		**57.4**		**151**		**115**		**59.5**		**53.6**		**48.1**	
Beryllium	SW6010	--	--	--	mg/kg		0.48	J	0.82	J	0.5	J	0.37	J	**1.2**		0.23	J
Cadmium	SW6010	0.99	3	5	mg/kg		0.47	J	0.55	J	0.46	J	0.39	J	0.38	J	0.25	J
Calcium Metal	SW6010	--	--	--	mg/kg		**5840**	*	**12400**	*	**12100**		**8420**		**5470**		**8170**	
Chromium	SW6010	43	76.5	110	mg/kg		**16.9**		**37.2**	*	**31.2**		**18.6**		**16.3**		**18.3**	
Cobalt	SW6010	--	--	--	mg/kg		**6.1**		**13.5**		**10.4**		**7.1**		**6.4**		**6.6**	
Copper	SW6010	32	91	150	mg/kg		**13.9**		**27.1**		**20.8**		**20.5**		**70**		**10.5**	
Iron	SW6010	20000	30000	40000	mg/kg		**16600**		**34300**		**28800**		**18000**		**13700**		**14400**	
Lead	SW6010	36	83	130	mg/kg		**27.5**		**20.7**		**16.7**	*	**16.1**	*	**25.9**	*	**5**	*
Magnesium	SW6010	--	--	--	mg/kg		**4090**		**11300**		**9740**		**5830**		**3610**		**5730**	
Manganese	SW6010	460	780	1100	mg/kg		**268**	*	**1380**		**670**	*	**310**	*	**192**	*	**308**	*
Mercury	SW6010	0.18	0.64	1.1	mg/kg		< 0.13	J	0.14	J	0.061	J	0.073	J	0.077	J	< 0.12	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP15		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16	
					Sample ID	ND20-BP15-2040FD_06/26/2020		ND20-BP16-SURF_06/25/2020		ND20-BP16-0320_06/26/2020		ND20-BP16-2040_06/26/2020		ND20-BP16-4060_06/26/2020		ND20-BP16-6080_06/26/2020	
					Date	06-26-2020		06-25-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	2 - 4		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	FD		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**13.9**		**33.1**		**25.6**		**16.7**		**14.4**		**15.7**	
Potassium	SW6010	--	--	--	mg/kg	**691**		**2470**		**1620**		**858**		522	J	**779**	
Selenium	SW6010	--	--	--	mg/kg	0.94	J	< 7.3		< 4.9		< 4.8		1.2	J	< 4.6	
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 1.1		**< 2.1**		< 1.4		< 1.4		0.2	J	< 1.3	
Sodiium	SW6010	--	--	--	mg/kg	309	J	**430**	J	**346**	J	237	J	174	J	230	J
Thallium	SW6010	--	--	--	mg/kg	< 2.9		< 5.2	U *	< 3.5	U *	< 3.5	U *	< 2.7	U *	< 3.3	U *
Vanadium	SW6010	--	--	--	mg/kg	**26.2**		**52.1**		**40**		**29.2**		**30.1**		**28.4**	
Zinc	SW6010	120	290	460	mg/kg	**104**	*	**124**	*	**95.2**		**91.6**		**109**		**38.3**	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP15		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16	
						Sample ID	ND20-BP15-2040FD_06/26/2020		ND20-BP16-SURF_06/25/2020		ND20-BP16-0320_06/26/2020		ND20-BP16-2040_06/26/2020		ND20-BP16-4060_06/26/2020		ND20-BP16-6080_06/26/2020	
						Date	06-26-2020		06-25-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
						Sample depth (ftbss)	2 - 4		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
						Sample type	FD		N		N		N		N		N	
							--		--		--		--		--		--	
Volatile Organic Compounds																		
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg		< 7.9		**< 10**		**< 8.8**		**< 8.9**		< 7.4		< 6.6	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
2-Butanone	SW8260	--	--	--	µg/kg		**8.5**		**17**		8.3	J	6.3	J	3.6	J	< 6.6	
2-Hexanone	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Acetone	SW8260	--	--	--	µg/kg		**150**		**55**		**200**		**150**		**94**		**60**	
Benzene	SW8260	57	83.5	110	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Bromodichloromethane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Bromoform	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Bromomethane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Carbon Disulfide	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Chlorobenzene	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Chloroethane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Chloroform	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Chloromethane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Cyclohexane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Dibromochloromethane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Ethylbenzene	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Isopropylbenzene	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
m,p-Xylene	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Methyl Acetate	SW8260	--	--	--	µg/kg		< 40		< 52		< 44		< 44		< 37		< 33	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Methycylohexane	SW8260	--	--	--	µg/kg		3	J	< 10		< 8.8		< 8.9		0.93	J	< 6.6	
Methylene Chloride	SW8260	--	--	--	µg/kg		1.6	J	< 10		4.6	J	2	J	3.2	J	1.9	J
o-Xylene	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Styrene	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Tetrachloroethene	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Toluene	SW8260	890	1345	1800	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Trichloroethene	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Vinyl Chloride	SW8260	--	--	--	µg/kg		< 7.9		< 10		< 8.8		< 8.9		< 7.4		< 6.6	
Xylenes (total)	SW8260	25	37.5	50	µg/kg		< 16		< 21		< 18		< 18		< 15		< 13	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP15		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16	
					Sample ID	ND20-BP15-2040FD_06/26/2020		ND20-BP16-SURF_06/25/2020		ND20-BP16-0320_06/26/2020		ND20-BP16-2040_06/26/2020		ND20-BP16-4060_06/26/2020		ND20-BP16-6080_06/26/2020	
					Date	06-26-2020		06-25-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	2 - 4		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	FD		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP15		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16	
						Sample ID	ND20-BP15-2040FD_06/26/2020		ND20-BP16-SURF_06/25/2020		ND20-BP16-0320_06/26/2020		ND20-BP16-2040_06/26/2020		ND20-BP16-4060_06/26/2020		ND20-BP16-6080_06/26/2020	
						Date	06-26-2020		06-25-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
						Sample depth (ftbss)	2 - 4		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
						Sample type	FD		N		N		N		N		N	
							--		--		--		--		--		--	
Semi-Volatile Organic Compounds																		
Biphenyl	SW8270D	--	--	--	µg/kg		140	J	25	J	19	J	22	J	51	J	1.5	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg		< 77		< 43		< 67		< 45		< 73		< 9.3	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg		< 77		< 43		< 67		< 45		< 73		< 9.3	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg		**< 380**		< 210		**< 330**		17	J	**< 360**		2	J
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg		< 3800		< 2100		< 3300		< 2200		< 3600		< 460	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg		< 77		< 43		< 67		< 45		< 73		< 9.3	
2-Chlorophenol	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg		**910**		**180**		**99**		**130**		**380**		5.6	J
2-Methylphenol	SW8270D	6700	--	6700	µg/kg		71	J	< 210		< 330		< 220		< 360		< 46	
2-Nitroaniline	SW8270D	--	--	--	µg/kg		< 2000		< 1100		< 1700		< 1200		< 1800		< 230	
2-Nitrophenol	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
3-Nitroaniline	SW8270D	--	--	--	µg/kg		< 2000		< 1100		< 1700		< 1200		< 1800		< 230	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg		< 2000		< 1100		< 1700		< 1200		< 1800		< 230	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
4-Methylphenol	SW8270D	--	--	--	µg/kg		110	J	21	J	13	J	26	J	58	J	2.7	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg		< 2000		< 1100		< 1700		< 1200		< 1800		< 230	
Acenaphthene	SW8270D	6.7	48	89	µg/kg		**350**		29	J	26	J	40	J	290		3.6	J
Acenaphthylene	SW8270D	5.9	67	128	µg/kg		64	J	34	J	41	J	27	J	38	J	2.5	J
ACETOPHENONE	SW8270D	--	--	--	µg/kg		< 770		< 430		< 670		< 450		< 730		< 93	
Anthracene	SW8270D	57.2	451	845	µg/kg		**500**		**87**		**91**		**65**		**190**		3.9	J
Atrazine	SW8270D	--	--	--	µg/kg		< 770		< 430		< 670		< 450		< 730		< 93	
Benzaldehyde	SW8270D	--	--	--	µg/kg		< 770		< 430		< 670		< 450		< 730		6.4	J
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg		**800**		**200**		**220**		**170**		**440**		**12**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg		**710**		**190**		**200**		**160**		**440**		**9.3**	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg		**860**		**220**		**230**		**180**		**390**		**11**	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg		**530**		**150**		**170**		**130**		**420**		8.3	J
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg		**270**		**91**		**95**		**48**		**120**		4.2	J
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg		**460**		140	J	150	J	120	J	**390**		6.5	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg		< 77		< 43		< 67		< 45		< 73		< 9.3	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg		< 3800		< 2100		< 3300		< 2200		< 3600		< 460	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
Caprolactam	SW8270D	--	--	--	µg/kg		< 2000		< 1100		< 1700		< 1200		< 1800		< 230	
Carbazole	SW8270D	--	--	--	µg/kg		**190**		26	J	14	J	14	J	51	J	< 9.3	
Chrysene	SW8270D	166	728	1290	µg/kg		**800**		**210**		**230**		**180**		**510**		**12**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg		**120**		**71**		**99**		**71**		**150**		< 9.3	
Dibenzofuran	SW8270D	150	365	580	µg/kg		310	J	59	J	40	J	43	J	140	J	**3**	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg		< 380		11	J	< 330		< 220		< 360		< 46	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
Fluoranthene	SW8270D	423	1327	2230	µg/kg		**1600**		**380**		**360**		**280**		**760**		**20**	
Fluorene	SW8270D	77.4	307	536	µg/kg		**370**		**47**		50	J	**52**		**250**		3.4	J
Hexachlorobenzene	SW8270D	--	--	--	µg/kg		< 77		< 43		< 67		< 45		< 73		< 9.3	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg		< 77		< 43		< 67		< 45		< 73		< 9.3	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
Hexachloroethane	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg		**430**		**130**		**150**		**98**		**210**		7.4	J
Isophorone	SW8270D	--	--	--	µg/kg		< 380		< 210		< 330		< 220		< 360		< 46	
Naphthalene	SW8270D	176	369	561	µg/kg		**750**		**180**		**150**		**160**		**260**		6.3	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP15		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16	
					Sample ID	ND20-BP15-2040FD_06/26/2020		ND20-BP16-SURF_06/25/2020		ND20-BP16-0320_06/26/2020		ND20-BP16-2040_06/26/2020		ND20-BP16-4060_06/26/2020		ND20-BP16-6080_06/26/2020	
					Date	06-26-2020		06-25-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	2 - 4		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	FD		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	< 770		< 430		< 660		< 450		< 720		< 92	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	< 77		< 43		< 67		< 45		< 73		< 9.3	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	< 380		< 210		< 330		< 220		< 360		< 46	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	< 380		< 210		< 330		< 220		< 360		< 46	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	< 2000		< 1100		< 1700		< 1200		< 1800	U	< 230	
Phenanthrene	SW8270D	204	687	1170	µg/kg	2200		270		180		180		800		13	
Phenol	SW8270D	4200	8100	12000	µg/kg	< 380		< 210		< 330		< 220		< 360		< 46	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	< 2000		< 1100		< 1700		< 1200		< 1800		< 230	
Pyrene	SW8270D	195	858	1520	µg/kg	2000		330		320		260		730		20	
Biphenyl	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	-		-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	-		-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	-		-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	-		-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	-		-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg	-		-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	-		-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	-		-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	-		-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	-		-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP15		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16	
					Sample ID	ND20-BP15-2040FD_06/26/2020		ND20-BP16-SURF_06/25/2020		ND20-BP16-0320_06/26/2020		ND20-BP16-2040_06/26/2020		ND20-BP16-4060_06/26/2020		ND20-BP16-6080_06/26/2020	
					Date	06-26-2020		06-25-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
					Sample depth (ftbss)	2 - 4		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	FD		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-		-	
Polychlorinated Biphenyls																	
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-		-	
Organotins																	
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP15		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16		ND20-BP16	
						Sample ID	ND20-BP15-2040FD_06/26/2020		ND20-BP16-SURF_06/25/2020		ND20-BP16-0320_06/26/2020		ND20-BP16-2040_06/26/2020		ND20-BP16-4060_06/26/2020		ND20-BP16-6080_06/26/2020	
						Date	06-26-2020		06-25-2020		06-26-2020		06-26-2020		06-26-2020		06-26-2020	
						Sample depth (ftbss)	2 - 4		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
						Sample type	FD		N		N		N		N		N	
							--		--		--		--		--		--	
Pesticides																		
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
Other																		
Acid volatile sulfides	SW6010	--	--	--	mg/kg		-		-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg		-		-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg		-		-		-		-		-		-	
Moisture	D2216	--	--	--	%		-		-		**99**		**72**		**45**		**39**	
Moisture	SM2540	--	--	--	%		**46**		**160**		-		-		-		-	
Total Organic Carbon	SW9060	--	--	--	mg/kg		**248000**		**47500**		-		-		-		-	
Total Organic Carbon	TOC	--	--	--	mg/kg		-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP16		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17	
						Sample ID	ND20-BP16-8010_06/26/2020		ND20-BP17-SURF_06/25/2020		ND20-BP17-0320_06/28/2020		ND20-BP17-2040_06/28/2020		ND20-BP17-4060_06/28/2020		ND20-BP17-6080_06/28/2020	
						Date	06-26-2020		06-25-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
						Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
						Sample type	N		N		N		N		N		N	
Polycyclic Aromatic Hydrocarbons (PAHs)						--												
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	-		**54**	D	**16**	J D	**14**	J D	**20**	J D	**10**	J D
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	-		**74**	D	**23**	D	**20**	D	**30**	D	**15**	D
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	-		10	J D	**7.7**	J D	**7**	J D	**9.7**	J D	**4.1**	J D
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	-		15	J D	**7.9**	J D	**5.2**	J D	**8.7**	J D	**4.1**	J D
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	-		**50**	D	**31**	D	**18**	D	**27**	D	**15**	D
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	-		**170**	D	**72**	D	**51**	D	**89**	D	**42**	D
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	-		**180**	D	**71**	D	**56**	D	**96**	D	**45**	D
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	-		**200**	D	**77**	D	**55**	D	**84**	D	**36**	D
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	-		**92**	D	**47**	D	**32**	D	**58**	D	**27**	D
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	-		**160**	D	**64**	D	**45**	D	**82**	D	**40**	D
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	-		**140**	D	**53**	D	**42**	D	**67**	D	**30**	D
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**110**	D	**45**	D	**40**	D	**67**	D	**30**	D
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**330**	D	**130**	D	**91**	D	**140**	D	**69**	D
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		< 38		< 21		< 17		< 22		< 14	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		< 38		**27**	D	**23**	D	**34**	D	**17**	D
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**130**	D	**58**	D	**51**	D	**73**	D	**31**	D
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**89**	D	**34**	D	**28**	D	**48**	D	**22**	D
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**190**	D	**79**	D	**63**	D	**90**	D	**44**	D
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**38**	D	**24**	D	**21**	D	**26**	D	**16**	D
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**180**	D	**68**	D	**63**	D	**89**	D	**46**	D
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**120**	D	**60**	D	**52**	D	**81**	D	**39**	D
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**85**	D	< 21		**18**	D	**30**	D	< 14	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**140**	D	**56**	D	**41**	D	**56**	D	**27**	D
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**60**	D	**24**	D	**24**	D	**28**	D	**18**	D
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**230**	D	**75**	D	**62**	D	**93**	D	**46**	D
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**130**	D	**43**	D	**38**	D	**77**	D	**41**	D
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**46**	D	< 21		< 17		< 22		< 14	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**200**	D	**75**	D	**58**	D	**77**	D	**45**	D
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	-		**200**	D	**33**	D	**22**	D	**85**	D	**32**	D
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	-		**200**	D	**85**	D	**61**	D	**100**	D	**48**	D
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	-		30	J D	17	J D	11	J D	20	J D	8.8	J D
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	-		**360**	D	**180**	D	**120**	D	**200**	D	**99**	D
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	-		28	J D	19	J D	14	J D	21	J D	8.3	J D
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	-		**88**	D	**52**	D	**31**	D	**57**	D	**27**	D
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	-		**85**	D	**39**	D	**32**	D	**45**	D	**19**	D
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	-		**190**	D	**98**	D	**64**	D	**97**	D	**28**	D
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	-		**140**	D	**69**	D	**55**	D	**82**	D	**32**	D
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	-		**300**	D	**130**	D	**82**	D	**140**	D	**67**	D
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	-		**2100**		**970**		**680**		**1100**		**520**	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	-		**4700**		**2000**		**1500**		**2400**		**1100**	
Metals																		
Aluminium	SW6010	--	--	--	mg/kg	**5870**		**16400**		**8150**		**8140**		**11400**		**5080**	
Antimony	SW6010	2	13.5	25	mg/kg	**< 6**	U *	**< 11.7**	U *	**< 7.5**	U *	**< 7.4**	U *	**< 8**	U *	**< 5.4**	U *
Arsenic	SW6010	9.8	21.4	33	mg/kg	**1.9**	*	**6.5**		**3.7**	*	**3.9**	*	**4.6**	*	**2.2**	*
Barium	SW6010	--	--	--	mg/kg	**37.3**		**145**		**69.2**		**66.2**		**79.9**		**32.9**	
Beryllium	SW6010	--	--	--	mg/kg	0.18	J	0.74	J	0.29	J	0.32	J	0.43	J	0.23	J
Cadmium	SW6010	0.99	3	5	mg/kg	0.16	J	0.57	J	0.28	J	0.29	J	0.47	J	0.21	J
Calcium Metal	SW6010	--	--	--	mg/kg	**8020**		**14200**	*	**9360**		**8500**		**11800**		**3510**	
Chromium	SW6010	43	76.5	110	mg/kg	**15.3**		**34.9**	*	**19.4**		**18.9**		**26.5**		**10.1**	
Cobalt	SW6010	--	--	--	mg/kg	**5.4**		**12.7**		**6.6**		**6.8**		**9.2**		**4.6**	
Copper	SW6010	32	91	150	mg/kg	**7.5**		**24.5**		**12.6**		**11.9**		**18.9**		**11.6**	
Iron	SW6010	20000	30000	40000	mg/kg	**13000**		**32300**		**18900**		**18900**		**24400**		**10800**	
Lead	SW6010	36	83	130	mg/kg	**3**	*	**16.8**		**9.4**	*	**11**	*	**19.7**	*	**7**	*
Magnesium	SW6010	--	--	--	mg/kg	**5270**		**11600**		**6330**		**6170**		**8830**		**3370**	
Manganese	SW6010	460	780	1100	mg/kg	**264**	*	**1500**		**573**	*	**517**	*	**537**	*	**160**	*
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.13		0.089	J	< 0.16		0.041	J	0.11	J	0.047	J

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP16		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17	
					Sample ID	ND20-BP16-8010_06/26/2020		ND20-BP17-SURF_06/25/2020		ND20-BP17-0320_06/28/2020		ND20-BP17-2040_06/28/2020		ND20-BP17-4060_06/28/2020		ND20-BP17-6080_06/28/2020	
					Date	06-26-2020		06-25-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**12.4**		**30.7**		**15.9**		**16.4**		**22.1**		**9.9**	
Potassium	SW6010	--	--	--	mg/kg	**587**		**2240**		**958**		**927**		**1350**		**546**	
Selenium	SW6010	--	--	--	mg/kg	< 3.5		**1.2**	J	< 4.4		< 4.3		0.85	J	< 3.1	
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 0.99		**< 1.9**		< 1.3		< 1.2		0.13	J	< 0.9	
Sodiium	SW6010	--	--	--	mg/kg	200	J	429	J	238	J	236	J	303	J	114	J
Thallium	SW6010	--	--	--	mg/kg	< 2.5	U *	< 4.9	U *	< 3.1	U *	< 3.1	U *	< 3.3	U *	< 2.2	U *
Vanadium	SW6010	--	--	--	mg/kg	**26.5**		**50.5**		**29.2**		**28**		**35.9**		**19**	
Zinc	SW6010	120	290	460	mg/kg	**30.6**		**108**	*	**55**		**58.4**		**88.7**		**34.4**	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		-		-		-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		-		-		-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		-		-		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		-		-		-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		-		-		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Antimony	ISM02	2	13.5	25	mg/kg	-		-		-		-		-		-	
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		-		-		-		-		-	
Barium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Beryllium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Cadmium	ISM02	0.99	3	5	mg/kg	-		-		-		-		-		-	
Calcium Metal	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Chromium	ISM02	43	76.5	110	mg/kg	-		-		-		-		-		-	
Cobalt	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Copper	ISM02	32	91	150	mg/kg	-		-		-		-		-		-	
Iron	ISM02	20000	30000	40000	mg/kg	-		-		-		-		-		-	
Lead	ISM02	36	83	130	mg/kg	-		-		-		-		-		-	
Magnesium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Manganese	ISM02	460	780	1100	mg/kg	-		-		-		-		-		-	
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		-		-		-		-		-	
Nickel	ISM02	23	36	49	mg/kg	-		-		-		-		-		-	
Potassium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Selenium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		-		-		-		-		-	
Sodiium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Thallium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Vanadium	ISM02	--	--	--	mg/kg	-		-		-		-		-		-	
Zinc	ISM02	120	290	460	mg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP16		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17	
					Sample ID	ND20-BP16-8010_06/26/2020		ND20-BP17-SURF_06/25/2020		ND20-BP17-0320_06/28/2020		ND20-BP17-2040_06/28/2020		ND20-BP17-4060_06/28/2020		ND20-BP17-6080_06/28/2020	
					Date	06-26-2020		06-25-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
Volatile Organic Compounds																	
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 6		**< 12**		**< 8.9**		**< 8.2**		**< 8.2**		< 5.9	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
2-Butanone	SW8260	--	--	--	µg/kg	3.7	J	**18**		6.6	J	5.1	J	< 8.2		< 5.9	
2-Hexanone	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Acetone	SW8260	--	--	--	µg/kg	**94**		**54**		**100**		**78**		**52**		**71**	
Benzene	SW8260	57	83.5	110	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Bromoform	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Bromomethane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Chloroethane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Chloroform	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Chloromethane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Cyclohexane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 30		< 61		< 45		< 41		< 41		< 30	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Methycylohexane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Methylene Chloride	SW8260	--	--	--	µg/kg	2.8	J	< 12		1.2	J	2.7	J	< 8.2		0.86	J
o-Xylene	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Styrene	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Toluene	SW8260	890	1345	1800	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Trichloroethene	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 6		< 12		< 8.9		< 8.2		< 8.2		< 5.9	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 12		< 24		< 18		< 16		< 16		< 12	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP16		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17	
					Sample ID	ND20-BP16-8010_06/26/2020		ND20-BP17-SURF_06/25/2020		ND20-BP17-0320_06/28/2020		ND20-BP17-2040_06/28/2020		ND20-BP17-4060_06/28/2020		ND20-BP17-6080_06/28/2020	
					Date	06-26-2020		06-25-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		-		-		-		-		-	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		-		-		-		-		-	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Acetone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		-		-		-		-		-	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Bromoform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloroform	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Styrene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		-		-		-		-		-	
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP16		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17	
						Sample ID	ND20-BP16-8010_06/26/2020		ND20-BP17-SURF_06/25/2020		ND20-BP17-0320_06/28/2020		ND20-BP17-2040_06/28/2020		ND20-BP17-4060_06/28/2020		ND20-BP17-6080_06/28/2020	
						Date	06-26-2020		06-25-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
						Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
						Sample type	N		N		N		N		N		N	
Semi-Volatile Organic Compounds							--		--		--		--		--		--	
Biphenyl	SW8270D	--	--	--	µg/kg		< 44		9.5	J	5.5	J	7.4	J	20	J	4.7	J
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg		< 8.9		< 38		< 21		< 26		< 57		< 12	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg		< 8.9		< 38		< 21		< 26		< 57		< 12	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg		< 440		< 1900		< 1100		< 1300		< 2800		< 610	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg		< 8.9		< 38		< 21		< 26		< 57		< 12	
2-Chlorophenol	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg		< 8.9		**67**		**23**		**34**		**81**		**23**	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
2-Nitroaniline	SW8270D	--	--	--	µg/kg		< 230		< 980		< 540		< 650		< 1500		< 320	
2-Nitrophenol	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
3-Nitroaniline	SW8270D	--	--	--	µg/kg		< 230		< 980		< 540		< 650		< 1500		< 320	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg		< 230		< 980		< 540		< 650		< 1500		< 320	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
4-Methylphenol	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		13	J	8.6	J
4-Nitrophenol	SW8270D	--	--	--	µg/kg		< 230		< 980		< 540		< 650		< 1500		< 320	
Acenaphthene	SW8270D	6.7	48	89	µg/kg		< 8.9		9.3	J	12	J	13	J	25	J	9.1	J
Acenaphthylene	SW8270D	5.9	67	128	µg/kg		< 8.9		22	J	11	J	12	J	35	J	8.6	J
ACETOPHENONE	SW8270D	--	--	--	µg/kg		< 89		< 380		< 210		< 260		< 570		< 120	
Anthracene	SW8270D	57.2	451	845	µg/kg		< 8.9		**40**		**39**		**32**		**65**		**22**	
Atrazine	SW8270D	--	--	--	µg/kg		< 89		< 380		< 210		< 260		< 570		< 120	
Benzaldehyde	SW8270D	--	--	--	µg/kg		7.2	J	< 380		17	J	**12**	J	40	J	3.4	J
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg		< 8.9		**110**		**79**		**80**		**220**		**57**	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg		< 8.9		**100**		**77**		**79**		**210**		**61**	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg		< 8.9		**130**		**95**		**97**		**250**		**69**	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg		< 8.9		**84**		**62**		**67**		**150**		**53**	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg		< 8.9		**47**		**38**		**39**		**100**		**24**	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg		< 44		73	J	56	J	59	J	150	J	39	J
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg		< 8.9		< 38		< 21		< 26		< 57		< 12	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg		< 440		< 1900		17	J	26	J	< 2800		15	J
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
Caprolactam	SW8270D	--	--	--	µg/kg		< 230		< 980		< 540		< 650		< 1500		< 320	
Carbazole	SW8270D	--	--	--	µg/kg		< 8.9		9.9	J	5.3	J	5.5	J	14	J	4.1	J
Chrysene	SW8270D	166	728	1290	µg/kg		< 8.9		**110**		**84**		**90**		**230**		**61**	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg		< 8.9		**52**		15	J	19	J	**78**		12	J
Dibenzofuran	SW8270D	150	365	580	µg/kg		< 44		22	J	15	J	18	J	38	J	11	J
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg		1		< 190		6.3	J	< 130		6.9	J	< 61	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg		0.99	J	< 190		< 110		< 130		< 280		< 61	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
Fluoranthene	SW8270D	423	1327	2230	µg/kg		< 8.9		**170**		**150**		**140**		**340**		**110**	
Fluorene	SW8270D	77.4	307	536	µg/kg		< 8.9		20	J	**24**		**26**		46	J	**13**	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg		< 8.9		< 38		< 21		< 26		< 57		< 12	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg		< 8.9		< 38		< 21		< 26		< 57		< 12	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
Hexachloroethane	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg		< 8.9		**74**		**53**		**54**		**120**		**37**	
Isophorone	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
Naphthalene	SW8270D	176	369	561	µg/kg		< 8.9		**92**		**50**		**58**		**160**		**43**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP16		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17	
						Sample ID	ND20-BP16-8010_06/26/2020		ND20-BP17-SURF_06/25/2020		ND20-BP17-0320_06/28/2020		ND20-BP17-2040_06/28/2020		ND20-BP17-4060_06/28/2020		ND20-BP17-6080_06/28/2020	
						Date	06-26-2020		06-25-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
						Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
						Sample type	N		N		N		N		N		N	
							--		--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg		< 89		< 380		< 210		< 260		< 570		< 120	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg		< 8.9		< 38		< 21		< 26		< 57		< 12	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
P-Chloroaniline	SW8270D	--	--	--	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
Pentachlorophenol	SW8270D	150	175	200	µg/kg		**< 230**		**< 980**		**< 540**		**< 650**		**< 1500**		**< 320**	
Phenanthrene	SW8270D	204	687	1170	µg/kg		< 8.9		**89**		**75**		**82**		**180**		**44**	
Phenol	SW8270D	4200	8100	12000	µg/kg		< 44		< 190		< 110		< 130		< 280		< 61	
P-Nitroaniline	SW8270D	--	--	--	µg/kg		< 230		< 980		< 540		< 650		< 1500		< 320	
Pyrene	SW8270D	195	858	1520	µg/kg		< 8.9		**150**		**130**		**120**		**320**		**85**	
Biphenyl	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg		-		-		-		-		-		-	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg		-		-		-		-		-		-	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg		-		-		-		-		-		-	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
4-Methylphenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg		-		-		-		-		-		-	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg		-		-		-		-		-		-	
Acetophenone	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
Anthracene	SOM02.2	57.2	451	845	µg/kg		-		-		-		-		-		-	
Atrazine	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg		-		-		-		-		-		-	
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg		-		-		-		-		-		-	
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg		-		-		-		-		-		-	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg		-		-		-		-		-		-	
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg		-		-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg		-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP16		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17	
					Sample ID	ND20-BP16-8010_06/26/2020		ND20-BP17-SURF_06/25/2020		ND20-BP17-0320_06/28/2020		ND20-BP17-2040_06/28/2020		ND20-BP17-4060_06/28/2020		ND20-BP17-6080_06/28/2020	
					Date	06-26-2020		06-25-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
					Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Carbazole	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		-		-		-		-		-	
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		-		-		-		-		-	
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		-		-		-		-		-	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		-		-		-		-		-	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		-		-		-		-		-	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		-		-		-		-		-	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		-		-		-		-		-	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		-		-		-		-		-	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		-		-		-		-		-	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		-		-		-		-		-	
Isophorone	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		-		-		-		-		-	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		-		-		-		-		-	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		-		-		-		-		-	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		-		-		-		-		-	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		-		-		-		-		-	
Polychlorinated Biphenyls																	
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		-		-		-		-		-	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		-		-		-		-	
Organotins																	
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP16		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17		ND20-BP17	
						Sample ID	ND20-BP16-8010_06/26/2020		ND20-BP17-SURF_06/25/2020		ND20-BP17-0320_06/28/2020		ND20-BP17-2040_06/28/2020		ND20-BP17-4060_06/28/2020		ND20-BP17-6080_06/28/2020	
						Date	06-26-2020		06-25-2020		06-28-2020		06-28-2020		06-28-2020		06-28-2020	
						Sample depth (ftbss)	8 - 10		0 - 0.3		0.3 - 2		2 - 4		4 - 6		6 - 8	
						Sample type	N		N		N		N		N		N	
							--		--		--		--		--		--	
Pesticides																		
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
Other																		
Acid volatile sulfides	SW6010	--	--	--	mg/kg		-		-		-		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg		-		-		-		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg		-		-		-		-		-		-	
Moisture	D2216	--	--	--	%		**33**		-		**60**		**54**		**71**		**25**	
Moisture	SM2540	--	--	--	%		-		**130**		-		-		-		-	
Total Organic Carbon	SW9060	--	--	--	mg/kg		-		**43700**		-		-		-		-	
Total Organic Carbon	TOC	--	--	--	mg/kg		-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP17		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03	
						Sample ID	ND20-BP17-8010_06/28/2020		SW15-SLB03-SURF_7/9/2015 9:45:00 AM		SW15-SLB03-0520_7/9/2015 4:05:00 PM		SW15-SLB03-2040_7/9/2015 4:08:00 PM		SW15-SLB03-4060_7/9/2015 4:12:00 PM		SW15-SLB03-6080_7/9/2015 4:15:00 PM	
						Date	06-28-2020		07-09-2015		07-09-2015		07-09-2015		07-09-2015		07-09-2015	
						Sample depth (ftbss)	8 - 10		0 - 0.5		0.5 - 2		2 - 4		4 - 6		6 - 8	
						Sample type	N		N		N		N		N		N	
Polycyclic Aromatic Hydrocarbons (PAHs)						--												
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	**40**	D	**1300**		**9400**		**13000**		**16000**		**7500**	
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	**47**	D	**1700**		**4700**		**7300**		**7900**		**4700**	
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	**96**	D	**130**		**740**		**750**	J	**810**	J	**330**	J
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	**2.6**	J D	**37**	J	**210**	J	< 1300		**420**	J	**440**	J
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	**19**	D	**130**		**700**		**760**	J	**360**	J	< 1100	
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	**25**	D	**560**		**1300**		**1600**		**1000**	J	**480**	J
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	**22**	D	**610**		**1200**		**1100**	J	**650**	J	**310**	J
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	**23**	D	**570**		**1300**		**1600**		**1100**	J	**500**	J
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	**14**	D	**500**		**1200**		**1500**		**810**	J	**360**	J
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	**17**	D	**420**		**300**	J	**420**	J	**320**	J	**160**	J
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	**16**	D	**670**		**1700**		**1800**		< 1400		< 1100	
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	**20**	D	**840**	J	**3000**	J	**2800**	J	**1600**	J	< 1100	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	**55**	D	**1700**	J	**5300**	J	**6100**	J	**3900**	J	**2000**	J
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	**20**	D	**430**	J	**3100**	J	**2200**	J	**1700**	J	< 1100	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	**58**	D	**1800**	J	**9100**	J	**13000**	J	**15000**	J	**8000**	J
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	**55**	D	**2000**	J	**12000**	J	**10000**	J	**6700**	J	**4100**	J
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	**17**	D	**1600**	J	**4700**	J	**3900**	J	**2200**	J	**1100**	J
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	**41**	D	**1600**	J	**5400**	J	**5800**	J	**3700**	J	**1900**	J
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	**21**	D	**790**	J	**4700**	J	**3800**	J	**2600**	J	**1700**	J
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	**120**	D	**7000**	J	**65000**	J	**61000**	J	**85000**	J	**44000**	J
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	**49**	D	**2200**	J	**13000**	J	**11000**	J	**7300**	J	**4600**	J
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 13		**1000**	J	**2700**	J	**1900**	J	< 1400		< 1100	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	**26**	D	**1200**	J	**4200**	J	**4400**	J	**2900**	J	**1500**	J
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	**21**	D	**760**	J	**4100**	J	**3600**	J	**2700**	J	**1800**	J
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	**100**	D	**6800**	J	**79000**	J	**67000**	J	**80000**	J	**39000**	J
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	**35**	D	**2200**	J	**12000**	J	**10000**	J	**8100**	J	**5300**	J
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 13		**550**	J	**1500**	J	**1700**	J	< 1400		< 1100	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	**72**	D	**3200**	J	**36000**	J	**29000**	J	**30000**	J	**14000**	J
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	**26**	D	**1700**	J	**5300**	J	**5400**	J	**4600**	J	**3000**	J
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	**26**	D	**640**		**1700**		**2000**		1200	J	640	J
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	4.8	J D	**170**		230	J	260	J	< 1400		< 1100	
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	**72**	D	**840**		**1600**		**2600**		**1700**		760	J
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	**61**	D	**290**		**1200**		1100	J	1100	J	**510**	J
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	12	J D	**310**		480	J	700	J	410	J	< 1100	
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	**48**	D	**620**		**1800**		**3100**		**2600**		**1400**	
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	**17**	D	**180**		< 600		< 1300		< 1400		< 1100	
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	**100**	D	**1000**		**5500**		**5500**		**3900**		**2100**	
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	**63**	D	**840**		**2700**		**3100**		**1900**		940	J
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	**610**		-		-		-		-		-	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	**1400**		-		-		-		-		-	
Metals																	
Aluminium	SW6010	--	--	--	mg/kg	**3030**		-		-		-		-		-	
Antimony	SW6010	2	13.5	25	mg/kg	**< 5.7**	U *	-		-		-		-		-	
Arsenic	SW6010	9.8	21.4	33	mg/kg	**1.8**	*	-		-		-		-		-	
Barium	SW6010	--	--	--	mg/kg	**25**		-		-		-		-		-	
Beryllium	SW6010	--	--	--	mg/kg	0.17	J	-		-		-		-		-	
Cadmium	SW6010	0.99	3	5	mg/kg	< 0.47		**< 4**		**1.1**	J	-		-		-	
Calcium Metal	SW6010	--	--	--	mg/kg	**1830**		-		-		-		-		-	
Chromium	SW6010	43	76.5	110	mg/kg	**6.1**		-		-		-		-		-	
Cobalt	SW6010	--	--	--	mg/kg	2.2	J	-		-		-		-		-	
Copper	SW6010	32	91	150	mg/kg	**7.1**		7.6	J	7.8	J	-		-		-	
Iron	SW6010	20000	30000	40000	mg/kg	**7480**		-		-		-		-		-	
Lead	SW6010	36	83	130	mg/kg	**3.4**	*	**30.6**		**85.7**		-		-		-	
Magnesium	SW6010	--	--	--	mg/kg	**1630**		-		-		-		-		-	
Manganese	SW6010	460	780	1100	mg/kg	**74.9**	*	-		-		-		-		-	
Mercury	SW6010	0.18	0.64	1.1	mg/kg	< 0.1		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP17		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03	
					Sample ID	ND20-BP17-8010_06/28/2020		SW15-SLB03-SURF_7/9/2015 9:45:00 AM		SW15-SLB03-0520_7/9/2015 4:05:00 PM		SW15-SLB03-2040_7/9/2015 4:08:00 PM		SW15-SLB03-4060_7/9/2015 4:12:00 PM		SW15-SLB03-6080_7/9/2015 4:15:00 PM	
					Date	06-28-2020		07-09-2015		07-09-2015		07-09-2015		07-09-2015		07-09-2015	
					Sample depth (ftbss)	8 - 10		0 - 0.5		0.5 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
Nickel	SW6010	23	36	49	mg/kg	**5.8**		3.9	J	3.3	J	-		-		-	
Potassium	SW6010	--	--	--	mg/kg	310	J	-		-		-		-		-	
Selenium	SW6010	--	--	--	mg/kg	< 3.3		-		-		-		-		-	
Silver	SW6010	1.6	1.9	2.2	mg/kg	< 0.94		-		-		-		-		-	
Sodiium	SW6010	--	--	--	mg/kg	90	J	-		-		-		-		-	
Thallium	SW6010	--	--	--	mg/kg	< 2.4	U *	-		-		-		-		-	
Vanadium	SW6010	--	--	--	mg/kg	**17.8**		-		-		-		-		-	
Zinc	SW6010	120	290	460	mg/kg	**12.8**		**82.1**		**112**		-		-		-	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-		**< 0.036**		0.0094	J	-		-		-	
Copper	SW6010_SEM	32	91	150	mg/kg	-		0.12	J	0.12	J	-		-		-	
Lead	SW6010_SEM	36	83	130	mg/kg	-		**0.15**		**0.41**		-		-		-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-		0.066	J	0.056	J	-		-		-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-		**1.3**		**1.7**		-		-		-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-		< 0.017		< 0.0092		-		-		-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-		< 0.0000830		< 0.0000460		-		-		-	
Aluminium	ISM02	--	--	--	mg/kg	-		**9520**		**6890**		**7790**		**7770**		**7520**	
Antimony	ISM02	2	13.5	25	mg/kg	-		0.62	J*	1.4	J*	1.7	J*	1.2	J*	0.33	J*
Arsenic	ISM02	9.8	21.4	33	mg/kg	-		**10.5**		**61.5**		**52.8**		**39.5**		**7.8**	
Barium	ISM02	--	--	--	mg/kg	-		**104**		**118**		**121**		**136**		**87.3**	
Beryllium	ISM02	--	--	--	mg/kg	-		**0.64**		**0.93**		**0.99**		**1**		0.59	J
Cadmium	ISM02	0.99	3	5	mg/kg	-		**1.1**		**1.7**		**1.7**		**1.3**		0.69	J
Calcium Metal	ISM02	--	--	--	mg/kg	-		**6870**	*	**4480**	*	**4930**	*	**6020**	*	**6950**	*
Chromium	ISM02	43	76.5	110	mg/kg	-		**23.7**		**17.1**		**18.3**		**20**		**19.7**	
Cobalt	ISM02	--	--	--	mg/kg	-		**8.7**		**7.9**		6.8	J	**9.1**		**7.9**	
Copper	ISM02	32	91	150	mg/kg	-		**37**		**65.4**		**40.5**		**35**		**20.4**	
Iron	ISM02	20000	30000	40000	mg/kg	-		**26400**		**54900**	D	**49500**		**32500**		**20400**	
Lead	ISM02	36	83	130	mg/kg	-		**62**		**179**		**118**		**98.3**		**61.2**	
Magnesium	ISM02	--	--	--	mg/kg	-		**5650**	*	**3070**	*	**2910**	*	**4250**	*	**5420**	*
Manganese	ISM02	460	780	1100	mg/kg	-		**338**	*	**205**	*	**259**	*	**278**	*	**248**	*
Mercury	ISM02	0.18	0.64	1.1	mg/kg	-		0.057	J	0.12	J	0.13	J	0.13	J	< 0.16	
Nickel	ISM02	23	36	49	mg/kg	-		**19.4**		**15.7**		**14.3**		**18.2**		**16.3**	
Potassium	ISM02	--	--	--	mg/kg	-		**1160**		727	J	691	J	816	J	**794**	
Selenium	ISM02	--	--	--	mg/kg	-		1.7	J	4.6	J	3.7	J	2.7	J	1.2	J
Silver	ISM02	1.6	1.9	2.2	mg/kg	-		0.12	J	0.19	J	0.13	J	**< 1.8**		< 1.4	
Sodiium	ISM02	--	--	--	mg/kg	-		241	J	205	J	239	J	329	J	**354**	J
Thallium	ISM02	--	--	--	mg/kg	-		< 2.4		< 3.7		< 4.8		< 4.5		< 3.5	
Vanadium	ISM02	--	--	--	mg/kg	-		**32.4**		**29**		**27.7**		**32.4**		**28.6**	
Zinc	ISM02	120	290	460	mg/kg	-		**185**		**201**		**207**		**209**		**143**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP17		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03	
						Sample ID	ND20-BP17-8010_06/28/2020		SW15-SLB03-SURF_7/9/2015 9:45:00 AM		SW15-SLB03-0520_7/9/2015 4:05:00 PM		SW15-SLB03-2040_7/9/2015 4:08:00 PM		SW15-SLB03-4060_7/9/2015 4:12:00 PM		SW15-SLB03-6080_7/9/2015 4:15:00 PM	
						Date	06-28-2020		07-09-2015		07-09-2015		07-09-2015		07-09-2015		07-09-2015	
						Sample depth (ftbss)	8 - 10		0 - 0.5		0.5 - 2		2 - 4		4 - 6		6 - 8	
						Sample type	N		N		N		N		N		N	
Volatile Organic Compounds																		
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	< 5.8		-		-		-		-		-	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	< 5.8		-		-		-		-		-	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	< 5.8		-		-		-		-		-	
2-Butanone	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
2-Hexanone	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Acetone	SW8260	--	--	--	µg/kg	**52**		-		-		-		-		-	
Benzene	SW8260	57	83.5	110	µg/kg	< 5.8		-		-		-		-		-	
Bromodichloromethane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Bromoform	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Bromomethane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Carbon Disulfide	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Chlorobenzene	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Chloroethane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Chloroform	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Chloromethane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Cyclohexane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Dibromochloromethane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Ethylbenzene	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Isopropylbenzene	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
m,p-Xylene	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Methyl Acetate	SW8260	--	--	--	µg/kg	< 29		-		-		-		-		-	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Methycylohexane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Methylene Chloride	SW8260	--	--	--	µg/kg	0.38	J	-		-		-		-		-	
o-Xylene	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Styrene	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Tetrachloroethene	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Toluene	SW8260	890	1345	1800	µg/kg	< 5.8		-		-		-		-		-	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Trichloroethene	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Vinyl Chloride	SW8260	--	--	--	µg/kg	< 5.8		-		-		-		-		-	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	< 12		-		-		-		-		-	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP17		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03	
					Sample ID	ND20-BP17-8010_06/28/2020		SW15-SLB03-SURF_7/9/2015 9:45:00 AM		SW15-SLB03-0520_7/9/2015 4:05:00 PM		SW15-SLB03-2040_7/9/2015 4:08:00 PM		SW15-SLB03-4060_7/9/2015 4:12:00 PM		SW15-SLB03-6080_7/9/2015 4:15:00 PM	
					Date	06-28-2020		07-09-2015		07-09-2015		07-09-2015		07-09-2015		07-09-2015	
					Sample depth (ftbss)	8 - 10		0 - 0.5		0.5 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
2-Butanone	SOM02.2	--	--	--	µg/kg	-		< 5300		< 1400		< 3000		< 1300		< 1100	
2-Hexanone	SOM02.2	--	--	--	µg/kg	-		< 5300		< 1400		< 3000		< 1300		< 1100	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	-		< 5300		< 1400		< 3000		< 1300		< 1100	
Acetone	SOM02.2	--	--	--	µg/kg	-		< 5300		< 1400		< 3000		< 1300		< 1100	
Benzene	SOM02.2	57	83.5	110	µg/kg	-		< 2600		510	J	< 1500		< 640		< 550	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Bromoform	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Bromomethane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Chloroethane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Chloroform	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Chloromethane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Cyclohexane	SOM02.2	--	--	--	µg/kg	-		< 2600		**2100**		< 1500		< 640		< 550	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	-		< 2600		450	J	780	J	100	J	< 550	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	-		< 2600		450	J	< 1500		< 640		< 550	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	-		**640**		**1400**		1400	J	510	J	250	J
Methyl Acetate	SOM02.2	--	--	--	µg/kg	-		**3400**		**1100**		720	J	530	J	500	J
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	-		< 2600		**9100**		**6500**		**2300**		**670**	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
o-Xylene	SOM02.2	--	--	--	µg/kg	-		< 2600		390	J	350	J	270	J	140	J
Styrene	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Toluene	SOM02.2	890	1345	1800	µg/kg	-		740	J	**810**		640	J	270	J	180	J
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Trichloroethene	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	-		< 2600		< 700		< 1500		< 640		< 550	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	-		**3240**		**1790**		**1750**		**780**		**390**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP17		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03	
						Sample ID	ND20-BP17-8010_06/28/2020		SW15-SLB03-SURF_7/9/2015 9:45:00 AM		SW15-SLB03-0520_7/9/2015 4:05:00 PM		SW15-SLB03-2040_7/9/2015 4:08:00 PM		SW15-SLB03-4060_7/9/2015 4:12:00 PM		SW15-SLB03-6080_7/9/2015 4:15:00 PM	
						Date	06-28-2020		07-09-2015		07-09-2015		07-09-2015		07-09-2015		07-09-2015	
						Sample depth (ftbss)	8 - 10		0 - 0.5		0.5 - 2		2 - 4		4 - 6		6 - 8	
						Sample type	N		N		N		N		N		N	
Semi-Volatile Organic Compounds							--		--		--		--		--		--	
Biphenyl	SW8270D	--	--	--	µg/kg		5.9	J	-		-		-		-		-	
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg		< 4.1		-		-		-		-		-	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg		< 4.1		-		-		-		-		-	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg		4.9	J	-		-		-		-		-	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg		< 200		-		-		-		-		-	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg		< 4.1		-		-		-		-		-	
2-Chlorophenol	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg		**36**		-		-		-		-		-	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg		3.5	J	-		-		-		-		-	
2-Nitroaniline	SW8270D	--	--	--	µg/kg		< 100		-		-		-		-		-	
2-Nitrophenol	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
3-Nitroaniline	SW8270D	--	--	--	µg/kg		< 100		-		-		-		-		-	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg		< 100		-		-		-		-		-	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
4-Methylphenol	SW8270D	--	--	--	µg/kg		8.2	J	-		-		-		-		-	
4-Nitrophenol	SW8270D	--	--	--	µg/kg		< 100		-		-		-		-		-	
Acenaphthene	SW8270D	6.7	48	89	µg/kg		**67**		-		-		-		-		-	
Acenaphthylene	SW8270D	5.9	67	128	µg/kg		2.4	J	-		-		-		-		-	
ACETOPHENONE	SW8270D	--	--	--	µg/kg		4.7	J	-		-		-		-		-	
Anthracene	SW8270D	57.2	451	845	µg/kg		**18**		-		-		-		-		-	
Atrazine	SW8270D	--	--	--	µg/kg		< 41		-		-		-		-		-	
Benzaldehyde	SW8270D	--	--	--	µg/kg		< 41		-		-		-		-		-	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg		**21**		-		-		-		-		-	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg		**16**		-		-		-		-		-	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg		**19**		-		-		-		-		-	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg		**13**		-		-		-		-		-	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg		**7.5**		-		-		-		-		-	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg		12	J	-		-		-		-		-	
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg		< 4.1		-		-		-		-		-	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg		5	J	-		-		-		-		-	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
Caprolactam	SW8270D	--	--	--	µg/kg		< 100		-		-		-		-		-	
Carbazole	SW8270D	--	--	--	µg/kg		**6.5**		-		-		-		-		-	
Chrysene	SW8270D	166	728	1290	µg/kg		**20**		-		-		-		-		-	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg		3.5	J	-		-		-		-		-	
Dibenzofuran	SW8270D	150	365	580	µg/kg		**20**		-		-		-		-		-	
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg		1.3	J	-		-		-		-		-	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg		< 20		-		-		-		-		-	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg		< 20		-		-		-		-		-	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg		< 20		-		-		-		-		-	
Fluoranthene	SW8270D	423	1327	2230	µg/kg		**36**		-		-		-		-		-	
Fluorene	SW8270D	77.4	307	536	µg/kg		**45**		-		-		-		-		-	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg		< 4.1		-		-		-		-		-	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg		< 4.1		-		-		-		-		-	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
Hexachloroethane	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg		**9.3**		-		-		-		-		-	
Isophorone	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
Naphthalene	SW8270D	176	369	561	µg/kg		**51**		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP17		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03	
						Sample ID	ND20-BP17-8010_06/28/2020		SW15-SLB03-SURF_7/9/2015 9:45:00 AM		SW15-SLB03-0520_7/9/2015 4:05:00 PM		SW15-SLB03-2040_7/9/2015 4:08:00 PM		SW15-SLB03-4060_7/9/2015 4:12:00 PM		SW15-SLB03-6080_7/9/2015 4:15:00 PM	
						Date	06-28-2020		07-09-2015		07-09-2015		07-09-2015		07-09-2015		07-09-2015	
						Sample depth (ftbss)	8 - 10		0 - 0.5		0.5 - 2		2 - 4		4 - 6		6 - 8	
						Sample type	N		N		N		N		N		N	
							--		--		--		--		--		--	
Nitrobenzene	SW8270D	--	--	--	µg/kg		< 40		-		-		-		-		-	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg		< 4.1		-		-		-		-		-	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
P-Chloroaniline	SW8270D	--	--	--	µg/kg		< 20		-		-		-		-		-	
Pentachlorophenol	SW8270D	150	175	200	µg/kg		< 100		-		-		-		-		-	
Phenanthrene	SW8270D	204	687	1170	µg/kg		**73**		-		-		-		-		-	
Phenol	SW8270D	4200	8100	12000	µg/kg		< 20		-		-		-		-		-	
P-Nitroaniline	SW8270D	--	--	--	µg/kg		< 100		-		-		-		-		-	
Pyrene	SW8270D	195	858	1520	µg/kg		**33**		-		-		-		-		-	
Biphenyl	SOM02.2	--	--	--	µg/kg		-		170	J	< 310		< 560		< 620		< 340	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg		-		< 340		< 310		< 560		< 620		< 340	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg		-		< 130		< 120		< 220		< 240		< 140	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg		-		< 660		< 600		< 1100		< 1200		< 670	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg		-		< 340		< 310		< 560		< 620		< 340	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg		-		< 340		< 310		< 560		< 620		< 340	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg		-		< 340		< 310		< 560		< 620		< 340	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg		-		< 340		< 310		< 560		< 620		< 340	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg		-		**< 340**		**< 310**		**< 560**		**< 620**		**< 340**	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg		-		< 660		< 600		< 1100		< 1200		< 670	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg		-		< 340		< 310		< 560		< 620		< 340	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg		-		< 340		< 310		< 560		< 620		< 340	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg		-		< 340		< 310		< 560		< 620		< 340	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg		-		< 340		< 310		< 560		< 620		< 340	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg		-		**1300**		**4000**		**5700**		**6200**		**4200**	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg		-		< 660		< 600		< 1100		< 1200		< 670	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg		-		< 340		< 310		< 560		< 620		< 340	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg		-		< 340		< 310		< 560		< 620		< 340	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg		-		< 660		< 600		90		< 1200		< 670	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg		-		< 660		< 600		< 1100		< 1200		< 670	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg		-		< 660		< 600		< 1100		< 1200		< 670	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg		-		< 340		< 310		< 560		< 620		< 340	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg		-		< 340		< 310		< 560		< 620		< 340	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg		-		< 340		< 310		< 560		< 620		< 340	
4-Methylphenol	SOM02.2	--	--	--	µg/kg		-		97	J	< 600		< 1100		< 1200		< 670	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg		-		< 660		< 600		< 1100		< 1200		< 670	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg		-		190	J	**< 310**		**< 560**		**< 620**		**< 340**	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg		-		**< 340**		**< 310**		**< 560**		**< 620**		**< 340**	
Acetophenone	SOM02.2	--	--	--	µg/kg		-		360	JB	< 600		< 1100		< 1200		< 670	
Anthracene	SOM02.2	57.2	451	845	µg/kg		-		**< 340**		**< 310**		410	J	420	J	**< 340**	
Atrazine	SOM02.2	--	--	--	µg/kg		-		< 660		< 600		< 1100		< 1200		< 670	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg		-		280	J	< 600		< 1100		< 1200		< 670	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg		-		**480**	B	**1100**	B	**1200**	B	**780**	B	**470**	B
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg		-		**570**	B	**1000**		**910**		610	J	300	J
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg		-		**520**	B	**970**		**1100**		**910**		**560**	
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg		-		**580**		**1100**		**1300**		**710**		280	J
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg		-		**280**	JB	**500**		410	J	370	J	270	J
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg		-		< 340	U	< 310		< 560		< 620		< 340	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg		-		< 660	U	< 600		< 1100		< 1200		< 670	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	ND20-BP17		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03	
					Sample ID	ND20-BP17-8010_06/28/2020		SW15-SLB03-SURF_7/9/2015 9:45:00 AM		SW15-SLB03-0520_7/9/2015 4:05:00 PM		SW15-SLB03-2040_7/9/2015 4:08:00 PM		SW15-SLB03-4060_7/9/2015 4:12:00 PM		SW15-SLB03-6080_7/9/2015 4:15:00 PM	
					Date	06-28-2020		07-09-2015		07-09-2015		07-09-2015		07-09-2015		07-09-2015	
					Sample depth (ftbss)	8 - 10		0 - 0.5		0.5 - 2		2 - 4		4 - 6		6 - 8	
					Sample type	N		N		N		N		N		N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--		--		--		--		--		--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	-		< 340	JB	< 310	JB	< 560	JB	< 620		< 340	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	-		< 340	JB	< 310		< 560		< 620		< 340	
Caprolactam	SOM02.2	--	--	--	µg/kg	-		< 660	U	< 600		< 1100		< 1200		< 670	
Carbazole	SOM02.2	--	--	--	µg/kg	-		52	J	< 600		< 1100		< 1200		< 670	
Chrysene	SOM02.2	166	728	1290	µg/kg	-		720	B	1700	B	1900	B	1300	B	730	B
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	-		150	J	190	J	230	J	120	J	110	J
Dibenzofuran	SOM02.2	150	365	580	µg/kg	-		300	J	930		< 560		< 620		< 340	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	-		< 340		< 310		< 560		< 620		< 340	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	-		< 340		< 310		< 560		< 620		< 340	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	-		< 340		< 310		< 560		< 620		< 340	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	-		< 660		< 600		< 1100		< 1200		< 670	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	-		560	JB	2000		2500		1800		960	
Fluorene	SOM02.2	77.4	307	536	µg/kg	-		290	J	1400		1300		< 620		< 340	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	-		< 340		< 310		< 560		< 620		< 340	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	-		< 340		< 310		< 560		< 620		< 340	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	-		< 660		< 600		< 1100		< 1200		< 670	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	-		< 340		< 310		< 560		< 620		< 340	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	-		300	J	350		500	J	330	J	180	J
Isophorone	SOM02.2	--	--	--	µg/kg	-		< 340		< 310		< 560		< 620		< 340	
Naphthalene	SOM02.2	176	369	561	µg/kg	-		610		1500		2400		1900		1300	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	-		< 340		< 310		< 560		< 620		< 340	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	-		< 340		< 310		< 560		< 620		< 340	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	-		< 340		< 310		< 560		< 620		< 340	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	-		< 660		< 600		< 1100		< 1200		< 670	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	-		< 660		< 600		< 1100		< 1200		< 670	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	-		940		4500		4000		3400		1900	
Phenol	SOM02.2	4200	8100	12000	µg/kg	-		35	J	< 600		< 1100		< 1200		< 670	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	-		< 660		400	J	< 1100		< 1200		< 670	
Pyrene	SOM02.2	195	858	1520	µg/kg	-		940	B	1800		1900		1400		670	
Polychlorinated Biphenyls																	
Aroclor 1016	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-		-		-		-		-		-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	-		< 68		< 63		< 66		< 71		< 53	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	-		< 68		< 63		< 66		< 71		< 53	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	-		< 68		< 63		< 66		< 71		< 53	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	-		< 68		< 63		< 66		< 71		< 53	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	-		< 68		< 63		< 66		< 71		< 53	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	-		< 68		< 63		< 66		< 71		< 53	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	-		< 68		21	JP	15	J	12	JP	112	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	-		< 68		< 63		< 66		< 71		< 53	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	-		< 68		< 63		< 66		< 71		< 53	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-		-		21		15		12		112	
Organotins																	
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-		-		-		-		-		-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-		-		-		-		-		-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	Location	ND20-BP17		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03		SW15-SLB03	
						Sample ID	ND20-BP17-8010_06/28/2020		SW15-SLB03-SURF_7/9/2015 9:45:00 AM		SW15-SLB03-0520_7/9/2015 4:05:00 PM		SW15-SLB03-2040_7/9/2015 4:08:00 PM		SW15-SLB03-4060_7/9/2015 4:12:00 PM		SW15-SLB03-6080_7/9/2015 4:15:00 PM	
						Date	06-28-2020		07-09-2015		07-09-2015		07-09-2015		07-09-2015		07-09-2015	
						Sample depth (ftbss)	8 - 10		0 - 0.5		0.5 - 2		2 - 4		4 - 6		6 - 8	
						Sample type	N		N		N		N		N		N	
							--		--		--		--		--		--	
Pesticides																		
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
OCDD	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
OCDF	E1613B	--	--	--	pg/g		-		-		-		-		-		-	
Other																		
Acid volatile sulfides	SW6010	--	--	--	mg/kg		-		0		**0.227**		-		-		-	
Acid volatile sulfides	AVS	--	--	--	mg/kg		-		< 53.4		**368**		-		-		-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg		-		< 1.7		**11.5**		-		-		-	
Moisture	D2216	--	--	--	%		**21**		**210**		**78**		**110**		**68**		**64**	
Moisture	SM2540	--	--	--	%		-		-		-		-		-		-	
Total Organic Carbon	SW9060	--	--	--	mg/kg		-		-		-		-		-		-	
Total Organic Carbon	TOC	--	--	--	mg/kg		-		**339000**	B	**475000**	B	**439000**	B	**368000**	B	**279000**	B

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	SW15-SLB03	
					Sample ID	SW15-SLB03-8010_7/9/2015 4:18:00 PM	
					Date	07-09-2015	
					Sample depth (ftbss)	8 - 10	
					Sample type	N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--	
Polycyclic Aromatic Hydrocarbons (PAHs)							
1-Methylnaphthalene	SOM02.2/SV SIM	--	--	--	µg/kg	12000	
2-Methylnaphthalene	SOM02.2/SV SIM	20.2	111	201	µg/kg	9500	
Acenaphthene	SOM02.2/SV SIM	6.7	48	89	µg/kg	710	J
Acenaphthylene	SOM02.2/SV SIM	5.9	67	128	µg/kg	270	J
Anthracene	SOM02.2/SV SIM	57.2	451	845	µg/kg	< 1000	
Benzo (a) anthracene	SOM02.2/SV SIM	108	579	1050	µg/kg	590	J
Benzo (a) pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	500	J
Benzo (b) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	730	J
Benzo (ghi) perylene	SOM02.2/SV SIM	170	1685	3200	µg/kg	410	J
Benzo (k) fluoranthene	SOM02.2/SV SIM	240	6820	13400	µg/kg	250	J
Benzo(e)pyrene	SOM02.2/SV SIM	150	800	1450	µg/kg	< 1000	
C1-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 1000	
C1-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	2200	J
C1-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 1000	
C1-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	14000	J
C1-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	2700	J
C2-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	1200	J
C2-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	2100	J
C2-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	1100	J
C2-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	58000	J
C2-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	3300	J
C3-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 1000	
C3-Fluoranthenes/Pyrenes	SOM02.2/SV SIM	--	--	--	µg/kg	1700	J
C3-Fluorenes	SOM02.2/SV SIM	--	--	--	µg/kg	1100	J
C3-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	41000	J
C3-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	4600	J
C4-Chrysenes	SOM02.2/SV SIM	--	--	--	µg/kg	< 1000	
C4-Naphthalenes	SOM02.2/SV SIM	--	--	--	µg/kg	12000	J
C4-Phenanthrenes/Anthracenes	SOM02.2/SV SIM	--	--	--	µg/kg	3000	J
Chrysene	SOM02.2/SV SIM	166	728	1290	µg/kg	730	J
Dibenz (a,h) anthracene	SOM02.2/SV SIM	33	84	135	µg/kg	< 1000	
Fluoranthene	SOM02.2/SV SIM	423	1327	2230	µg/kg	1000	
Fluorene	SOM02.2/SV SIM	77.4	307	536	µg/kg	670	J
Indeno (1,2,3-cd) pyrene	SOM02.2/SV SIM	200	1700	3200	µg/kg	270	J
Naphthalene	SOM02.2/SV SIM	176	369	561	µg/kg	1700	
Perylene	SOM02.2/SV SIM	--	--	--	µg/kg	< 1000	
Phenanthrene	SOM02.2/SV SIM	204	687	1170	µg/kg	1500	
Pyrene	SOM02.2/SV SIM	195	858	1520	µg/kg	1100	
Total 16 PPAH	SOM02.2/SV SIM	--	--	--	µg/kg	-	
Total PAH (calculated)	SOM02.2/SV SIM	1610	12205	22800	µg/kg	-	
Metals							
Aluminium	SW6010	--	--	--	mg/kg	-	
Antimony	SW6010	2	13.5	25	mg/kg	-	
Arsenic	SW6010	9.8	21.4	33	mg/kg	-	
Barium	SW6010	--	--	--	mg/kg	-	
Beryllium	SW6010	--	--	--	mg/kg	-	
Cadmium	SW6010	0.99	3	5	mg/kg	-	
Calcium Metal	SW6010	--	--	--	mg/kg	-	
Chromium	SW6010	43	76.5	110	mg/kg	-	
Cobalt	SW6010	--	--	--	mg/kg	-	
Copper	SW6010	32	91	150	mg/kg	-	
Iron	SW6010	20000	30000	40000	mg/kg	-	
Lead	SW6010	36	83	130	mg/kg	-	
Magnesium	SW6010	--	--	--	mg/kg	-	
Manganese	SW6010	460	780	1100	mg/kg	-	
Mercury	SW6010	0.18	0.64	1.1	mg/kg	-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	SW15-SLB03	
					Sample ID	SW15-SLB03-8010_7/9/2015 4:18:00 PM	
					Date	07-09-2015	
					Sample depth (ftbss)	8 - 10	
					Sample type	N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--	
Nickel	SW6010	23	36	49	mg/kg	-	
Potassium	SW6010	--	--	--	mg/kg	-	
Selenium	SW6010	--	--	--	mg/kg	-	
Silver	SW6010	1.6	1.9	2.2	mg/kg	-	
Sodiium	SW6010	--	--	--	mg/kg	-	
Thallium	SW6010	--	--	--	mg/kg	-	
Vanadium	SW6010	--	--	--	mg/kg	-	
Zinc	SW6010	120	290	460	mg/kg	-	
Cadmium	SW6010_SEM	0.99	3	5	mg/kg	-	
Copper	SW6010_SEM	32	91	150	mg/kg	-	
Lead	SW6010_SEM	36	83	130	mg/kg	-	
Nickel	SW6010_SEM	23	36	49	mg/kg	-	
Zinc	SW6010_SEM	120	290	460	mg/kg	-	
Mercury	SW7470	0.18	0.64	1.1	mg/kg	-	
Mercury	SW7470_SEM	0.18	0.64	1.1	mg/kg	-	
Aluminium	ISM02	--	--	--	mg/kg	**6820**	
Antimony	ISM02	2	13.5	25	mg/kg	0.39	J*
Arsenic	ISM02	9.8	21.4	33	mg/kg	**7.4**	
Barium	ISM02	--	--	--	mg/kg	**61.7**	
Beryllium	ISM02	--	--	--	mg/kg	0.57	J
Cadmium	ISM02	0.99	3	5	mg/kg	0.55	J
Calcium Metal	ISM02	--	--	--	mg/kg	**6540**	*
Chromium	ISM02	43	76.5	110	mg/kg	**17.9**	
Cobalt	ISM02	--	--	--	mg/kg	**7.1**	
Copper	ISM02	32	91	150	mg/kg	**18.4**	
Iron	ISM02	20000	30000	40000	mg/kg	**18000**	
Lead	ISM02	36	83	130	mg/kg	**35.2**	
Magnesium	ISM02	--	--	--	mg/kg	**4700**	*
Manganese	ISM02	460	780	1100	mg/kg	**237**	*
Mercury	ISM02	0.18	0.64	1.1	mg/kg	0.047	J
Nickel	ISM02	23	36	49	mg/kg	**14.6**	
Potassium	ISM02	--	--	--	mg/kg	**692**	
Selenium	ISM02	--	--	--	mg/kg	1.2	J
Silver	ISM02	1.6	1.9	2.2	mg/kg	< 1.2	
Sodiium	ISM02	--	--	--	mg/kg	345	J
Thallium	ISM02	--	--	--	mg/kg	< 3.1	
Vanadium	ISM02	--	--	--	mg/kg	**28.2**	
Zinc	ISM02	120	290	460	mg/kg	**108**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	SW15-SLB03	
					Sample ID	SW15-SLB03-8010_7/9/2015 4:18:00 PM	
					Date	07-09-2015	
					Sample depth (ftbss)	8 - 10	
					Sample type	N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--	
Volatile Organic Compounds							
1,1,1-Trichloroethane	SW8260	--	--	--	µg/kg	-	
1,1,2,2-Tetrachloroethane	SW8260	--	--	--	µg/kg	-	
1,1,2-Trichloro-1,2,2-trifluoroethane	SW8260	--	--	--	µg/kg	-	
1,1,2-Trichloroethane	SW8260	--	--	--	µg/kg	-	
1,1-Dichloroethane	SW8260	--	--	--	µg/kg	-	
1,1-Dichloroethene	SW8260	--	--	--	µg/kg	-	
1,2,4-Trichlorobenzene	SW8260	8	13	18	µg/kg	-	
1,2-Dibromo3-chloropropane (DBCP)	SW8260	--	--	--	µg/kg	-	
1,2-Dibromoethane	SW8260	--	--	--	µg/kg	-	
1,2-Dichlorobenzene	SW8260	23	--	23	µg/kg	-	
1,2-Dichloroethane	SW8260	--	--	--	µg/kg	-	
1,2-Dichloropropane	SW8260	--	--	--	µg/kg	-	
1,4-Dichlorobenzene	SW8260	31	60.5	90	µg/kg	-	
2-Butanone	SW8260	--	--	--	µg/kg	-	
2-Hexanone	SW8260	--	--	--	µg/kg	-	
4-Methyl-2-pentanone	SW8260	--	--	--	µg/kg	-	
Acetone	SW8260	--	--	--	µg/kg	-	
Benzene	SW8260	57	83.5	110	µg/kg	-	
Bromodichloromethane	SW8260	--	--	--	µg/kg	-	
Bromoform	SW8260	--	--	--	µg/kg	-	
Bromomethane	SW8260	--	--	--	µg/kg	-	
Carbon Disulfide	SW8260	--	--	--	µg/kg	-	
Carbon Tetrachloride	SW8260	--	--	--	µg/kg	-	
Dichlorodifluoromethane (CFC-12)	SW8260	--	--	--	µg/kg	-	
Chlorobenzene	SW8260	--	--	--	µg/kg	-	
Chloroethane	SW8260	--	--	--	µg/kg	-	
Chloroform	SW8260	--	--	--	µg/kg	-	
Chloromethane	SW8260	--	--	--	µg/kg	-	
cis-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	-	
cis-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	-	
Cyclohexane	SW8260	--	--	--	µg/kg	-	
Dibromochloromethane	SW8260	--	--	--	µg/kg	-	
Ethylbenzene	SW8260	--	--	--	µg/kg	-	
Isopropylbenzene	SW8260	--	--	--	µg/kg	-	
m,p-Xylene	SW8260	--	--	--	µg/kg	-	
M-Dichlorobenzene	SW8260	--	--	--	µg/kg	-	
Methyl Acetate	SW8260	--	--	--	µg/kg	-	
Methyl tert-Butyl Ether	SW8260	--	--	--	µg/kg	-	
Methycylohexane	SW8260	--	--	--	µg/kg	-	
Methylene Chloride	SW8260	--	--	--	µg/kg	-	
o-Xylene	SW8260	--	--	--	µg/kg	-	
Styrene	SW8260	--	--	--	µg/kg	-	
Tetrachloroethene	SW8260	--	--	--	µg/kg	-	
Toluene	SW8260	890	1345	1800	µg/kg	-	
trans-1,2-Dichloroethene	SW8260	--	--	--	µg/kg	-	
trans-1,3-Dichloropropene	SW8260	--	--	--	µg/kg	-	
Trichloroethene	SW8260	--	--	--	µg/kg	-	
Trichlorofluoromethane	SW8260	--	--	--	µg/kg	-	
Vinyl Chloride	SW8260	--	--	--	µg/kg	-	
Xylenes (total)	SW8260	25	37.5	50	µg/kg	-	
1,1,1-Trichloroethane	SOM02.2	--	--	--	µg/kg	< 490	
1,1,2,2-Tetrachloroethane	SOM02.2	--	--	--	µg/kg	< 490	
1,1,2-Trichloro-1,2,2-trifluoroethane	SOM02.2	--	--	--	µg/kg	< 490	
1,1,2-Trichloroethane	SOM02.2	--	--	--	µg/kg	< 490	
1,1-Dichloroethane	SOM02.2	--	--	--	µg/kg	< 490	
1,1-Dichloroethene	SOM02.2	--	--	--	µg/kg	< 490	
1,2,3-Trichlorobenzene	SOM02.2	--	--	--	µg/kg	< 490	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	SW15-SLB03	
					Sample ID	SW15-SLB03-8010_7/9/2015 4:18:00 PM	
					Date	07-09-2015	
					Sample depth (ftbss)	8 - 10	
					Sample type	N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--	
1,2,4-Trichlorobenzene	SOM02.2	8	13	18	µg/kg	< 490	
1,2-Dibromo3-chloropropane (DBCP)	SOM02.2	--	--	--	µg/kg	< 490	
1,2-Dibromoethane	SOM02.2	--	--	--	µg/kg	< 490	
1,2-Dichlorobenzene	SOM02.2	23	--	23	µg/kg	< 490	
1,2-Dichloroethane	SOM02.2	--	--	--	µg/kg	< 490	
1,2-Dichloropropane	SOM02.2	--	--	--	µg/kg	< 490	
1,4-Dichlorobenzene	SOM02.2	31	60.5	90	µg/kg	< 490	
2-Butanone	SOM02.2	--	--	--	µg/kg	< 980	
2-Hexanone	SOM02.2	--	--	--	µg/kg	< 980	
4-Methyl-2-pentanone	SOM02.2	--	--	--	µg/kg	< 980	
Acetone	SOM02.2	--	--	--	µg/kg	330	J
Benzene	SOM02.2	57	83.5	110	µg/kg	< 490	
Bromodichloromethane	SOM02.2	--	--	--	µg/kg	< 490	
Bromoform	SOM02.2	--	--	--	µg/kg	< 490	
Bromomethane	SOM02.2	--	--	--	µg/kg	< 490	
Carbon Disulfide	SOM02.2	--	--	--	µg/kg	< 490	
Carbon Tetrachloride	SOM02.2	--	--	--	µg/kg	< 490	
Dichlorodifluoromethane (CFC-12)	SOM02.2	--	--	--	µg/kg	< 490	
Chlorobenzene	SOM02.2	--	--	--	µg/kg	< 490	
Chlorobromomethane	SOM02.2	--	--	--	µg/kg	< 490	
Chloroethane	SOM02.2	--	--	--	µg/kg	< 490	
Chloroform	SOM02.2	--	--	--	µg/kg	< 490	
Chloromethane	SOM02.2	--	--	--	µg/kg	< 490	
cis-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	< 490	
cis-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	< 490	
Cyclohexane	SOM02.2	--	--	--	µg/kg	< 490	
Dibromochloromethane	SOM02.2	--	--	--	µg/kg	< 490	
Ethylbenzene	SOM02.2	--	--	--	µg/kg	< 490	
Isopropylbenzene	SOM02.2	--	--	--	µg/kg	< 490	
M-Dichlorobenzene	SOM02.2	--	--	--	µg/kg	< 490	
m,p-Xylene	SOM02.2	--	--	--	µg/kg	140	J
Methyl Acetate	SOM02.2	--	--	--	µg/kg	410	J
Methyl tert-Butyl Ether	SOM02.2	--	--	--	µg/kg	< 490	
Methylcyclohexane	SOM02.2	--	--	--	µg/kg	< 490	
Methylene Chloride	SOM02.2	--	--	--	µg/kg	< 490	
o-Xylene	SOM02.2	--	--	--	µg/kg	89	J
Styrene	SOM02.2	--	--	--	µg/kg	< 490	
Tetrachloroethene	SOM02.2	--	--	--	µg/kg	< 490	
Toluene	SOM02.2	890	1345	1800	µg/kg	120	J
trans-1,2-Dichloroethene	SOM02.2	--	--	--	µg/kg	< 490	
trans-1,3-Dichloropropene	SOM02.2	--	--	--	µg/kg	< 490	
Trichloroethene	SOM02.2	--	--	--	µg/kg	< 490	
Trichlorofluoromethane	SOM02.2	--	--	--	µg/kg	< 490	
Vinyl Chloride	SOM02.2	--	--	--	µg/kg	< 490	
Xylenes (total)	SOM02.2	25	37.5	50	µg/kg	**229**	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	SW15-SLB03	
					Sample ID	SW15-SLB03-8010_7/9/2015 4:18:00 PM	
					Date	07-09-2015	
					Sample depth (ftbss)	8 - 10	
					Sample type	N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--	
Semi-Volatile Organic Compounds							
Biphenyl	SW8270D	--	--	--	µg/kg	-	
2,2'-Oxybis(1-Chloropropane)	SW8270D	--	--	--	µg/kg	-	
2,4,5-Trichlorophenol	SW8270D	--	--	--	µg/kg	-	
2,4,6-Trichlorophenol	SW8270D	--	--	--	µg/kg	-	
2,4-Dichlorophenol	SW8270D	--	--	--	µg/kg	-	
2,4-Dimethyl Phenol	SW8270D	290	--	290	µg/kg	-	
2,4-Dinitrophenol	SW8270D	--	--	--	µg/kg	-	
2,4-Dinitrotoluene	SW8270D	--	--	--	µg/kg	-	
2,6-Dinitrotoluene	SW8270D	--	--	--	µg/kg	-	
2-Chloronaphthalene	SW8270D	--	--	--	µg/kg	-	
2-Chlorophenol	SW8270D	--	--	--	µg/kg	-	
2-Methylnaphthalene	SW8270D	20.2	111	201	µg/kg	-	
2-Methylphenol	SW8270D	6700	--	6700	µg/kg	-	
2-Nitroaniline	SW8270D	--	--	--	µg/kg	-	
2-Nitrophenol	SW8270D	--	--	--	µg/kg	-	
3,3'-Dichlorobenzidine	SW8270D	--	--	--	µg/kg	-	
3-Nitroaniline	SW8270D	--	--	--	µg/kg	-	
4,6-Dinitro-2-Methylphenol	SW8270D	--	--	--	µg/kg	-	
4-Bromodiphenyl ether	SW8270D	--	--	--	µg/kg	-	
4-Chloro-3-methylphenol	SW8270D	--	--	--	µg/kg	-	
4-Chlorodiphenyl ether	SW8270D	--	--	--	µg/kg	-	
4-Methylphenol	SW8270D	--	--	--	µg/kg	-	
4-Nitrophenol	SW8270D	--	--	--	µg/kg	-	
Acenaphthene	SW8270D	6.7	48	89	µg/kg	-	
Acenaphthylene	SW8270D	5.9	67	128	µg/kg	-	
ACETOPHENONE	SW8270D	--	--	--	µg/kg	-	
Anthracene	SW8270D	57.2	451	845	µg/kg	-	
Atrazine	SW8270D	--	--	--	µg/kg	-	
Benzaldehyde	SW8270D	--	--	--	µg/kg	-	
Benzo (a) anthracene	SW8270D	108	579	1050	µg/kg	-	
Benzo (a) pyrene	SW8270D	150	800	1450	µg/kg	-	
Benzo (b) fluoranthene	SW8270D	240	6820	13400	µg/kg	-	
Benzo (ghi) perylene	SW8270D	170	1685	3200	µg/kg	-	
Benzo (k) fluoranthene	SW8270D	240	6820	13400	µg/kg	-	
Benzo(e)pyrene	SW8270D	150	800	1450	µg/kg	-	
bis(2-Chloroethoxy) Methane	SW8270D	--	--	--	µg/kg	-	
Bis-(2-Chloroethyl) Ether	SW8270D	--	--	--	µg/kg	-	
bis(2-Ethylhexyl)phthalate	SW8270D	--	--	--	µg/kg	-	
Butyl Benzyl Phthalate	SW8270D	--	--	--	µg/kg	-	
Caprolactam	SW8270D	--	--	--	µg/kg	-	
Carbazole	SW8270D	--	--	--	µg/kg	-	
Chrysene	SW8270D	166	728	1290	µg/kg	-	
Dibenz (a,h) anthracene	SW8270D	33	84	135	µg/kg	-	
Dibenzofuran	SW8270D	150	365	580	µg/kg	-	
Diethyl Phthalate	SW8270D	610	855	1100	µg/kg	-	
Dimethyl Phthalate	SW8270D	530	--	530	µg/kg	-	
Di-n-Butylphthalate	SW8270D	2200	9600	17000	µg/kg	-	
Di-n-Octyl phthalate	SW8270D	580	22790	45000	µg/kg	-	
Fluoranthene	SW8270D	423	1327	2230	µg/kg	-	
Fluorene	SW8270D	77.4	307	536	µg/kg	-	
Hexachlorobenzene	SW8270D	--	--	--	µg/kg	-	
Hexachlorobutadiene	SW8270D	--	--	--	µg/kg	-	
Hexachlorocyclopentadiene	SW8270D	--	--	--	µg/kg	-	
Hexachloroethane	SW8270D	--	--	--	µg/kg	-	
Indeno (1,2,3-cd) pyrene	SW8270D	200	1700	3200	µg/kg	-	
Isophorone	SW8270D	--	--	--	µg/kg	-	
Naphthalene	SW8270D	176	369	561	µg/kg	-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	SW15-SLB03	
					Sample ID	SW15-SLB03-8010_7/9/2015 4:18:00 PM	
					Date	07-09-2015	
					Sample depth (ftbss)	8 - 10	
					Sample type	N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--	
Nitrobenzene	SW8270D	--	--	--	µg/kg	-	
N-Nitroso-Di-N-Propylamine	SW8270D	--	--	--	µg/kg	-	
N-Nitrosodiphenylamine	SW8270D	--	--	--	µg/kg	-	
P-Chloroaniline	SW8270D	--	--	--	µg/kg	-	
Pentachlorophenol	SW8270D	150	175	200	µg/kg	-	
Phenanthrene	SW8270D	204	687	1170	µg/kg	-	
Phenol	SW8270D	4200	8100	12000	µg/kg	-	
P-Nitroaniline	SW8270D	--	--	--	µg/kg	-	
Pyrene	SW8270D	195	858	1520	µg/kg	-	
Biphenyl	SOM02.2	--	--	--	µg/kg	< 650	
1,2,4,5-Tetrachlorobenzene	SOM02.2	--	--	--	µg/kg	< 650	
1,4-Dioxane	SOM02.2	--	--	--	µg/kg	< 260	
2,2'-Oxybis(1-Chloropropane)	SOM02.2	--	--	--	µg/kg	< 1300	
2,3,4,6-Tetrachlorophenol	SOM02.2	--	--	--	µg/kg	< 650	
2,4,5-Trichlorophenol	SOM02.2	--	--	--	µg/kg	< 650	
2,4,6-Trichlorophenol	SOM02.2	--	--	--	µg/kg	< 650	
2,4-Dichlorophenol	SOM02.2	--	--	--	µg/kg	< 650	
2,4-Dimethyl Phenol	SOM02.2	290	--	290	µg/kg	**< 650**	
2,4-Dinitrophenol	SOM02.2	--	--	--	µg/kg	< 1300	
2,4-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	< 650	
2,6-Dinitrotoluene	SOM02.2	--	--	--	µg/kg	< 650	
2-Chloronaphthalene	SOM02.2	--	--	--	µg/kg	< 650	
2-Chlorophenol	SOM02.2	--	--	--	µg/kg	< 650	
2-Methylnaphthalene	SOM02.2	20.2	111	201	µg/kg	**6900**	
2-Methylphenol	SOM02.2	6700	--	6700	µg/kg	< 1300	
2-Nitroaniline	SOM02.2	--	--	--	µg/kg	< 650	
2-Nitrophenol	SOM02.2	--	--	--	µg/kg	< 650	
3,3'-Dichlorobenzidine	SOM02.2	--	--	--	µg/kg	< 1300	
3-Nitroaniline	SOM02.2	--	--	--	µg/kg	< 1300	
4,6-Dinitro-2-Methylphenol	SOM02.2	--	--	--	µg/kg	< 1300	
4-Bromodiphenyl ether	SOM02.2	--	--	--	µg/kg	< 650	
4-Chloro-3-methylphenol	SOM02.2	--	--	--	µg/kg	< 650	
4-Chlorodiphenyl ether	SOM02.2	--	--	--	µg/kg	< 650	
4-Methylphenol	SOM02.2	--	--	--	µg/kg	< 1300	
4-Nitrophenol	SOM02.2	--	--	--	µg/kg	< 1300	
Acenaphthene	SOM02.2	6.7	48	89	µg/kg	**< 650**	
Acenaphthylene	SOM02.2	5.9	67	128	µg/kg	**< 650**	
Acetophenone	SOM02.2	--	--	--	µg/kg	< 1300	
Anthracene	SOM02.2	57.2	451	845	µg/kg	210	J
Atrazine	SOM02.2	--	--	--	µg/kg	< 1300	
BENZALDEHYDE	SOM02.2	--	--	--	µg/kg	< 1300	
Benzo (a) anthracene	SOM02.2	108	579	1050	µg/kg	**< 650**	JB
Benzo (a) pyrene	SOM02.2	150	800	1450	µg/kg	370	J
Benzo (b) fluoranthene	SOM02.2	240	6820	13400	µg/kg	520	J
Benzo (ghi) perylene	SOM02.2	170	1685	3200	µg/kg	360	J
Benzo (k) fluoranthene	SOM02.2	240	6820	13400	µg/kg	250	J
bis(2-Chloroethoxy) Methane	SOM02.2	--	--	--	µg/kg	< 650	
Bis-(2-Chloroethyl) Ether	SOM02.2	--	--	--	µg/kg	< 1300	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	SW15-SLB03	
					Sample ID	SW15-SLB03-8010_7/9/2015 4:18:00 PM	
					Date	07-09-2015	
					Sample depth (ftbss)	8 - 10	
					Sample type	N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--	
bis(2-Ethylhexyl)phthalate	SOM02.2	--	--	--	µg/kg	< 650	
Butyl Benzyl Phthalate	SOM02.2	--	--	--	µg/kg	< 650	
Caprolactam	SOM02.2	--	--	--	µg/kg	< 1300	
Carbazole	SOM02.2	--	--	--	µg/kg	< 1300	
Chrysene	SOM02.2	166	728	1290	µg/kg	**770**	B
Dibenz (a,h) anthracene	SOM02.2	33	84	135	µg/kg	110	J
Dibenzofuran	SOM02.2	150	365	580	µg/kg	**< 650**	
Diethyl Phthalate	SOM02.2	610	855	1100	µg/kg	**< 650**	
Dimethyl Phthalate	SOM02.2	530	--	530	µg/kg	**< 650**	
Di-n-Butylphthalate	SOM02.2	2200	9600	17000	µg/kg	< 650	
Di-n-Octyl phthalate	SOM02.2	580	22790	45000	µg/kg	**< 1300**	
Fluoranthene	SOM02.2	423	1327	2230	µg/kg	730	J
Fluorene	SOM02.2	77.4	307	536	µg/kg	**780**	
Hexachlorobenzene	SOM02.2	--	--	--	µg/kg	< 650	
Hexachlorobutadiene	SOM02.2	--	--	--	µg/kg	< 650	
Hexachlorocyclopentadiene	SOM02.2	--	--	--	µg/kg	< 1300	
Hexachloroethane	SOM02.2	--	--	--	µg/kg	< 650	
Indeno (1,2,3-cd) pyrene	SOM02.2	200	1700	3200	µg/kg	260	J
Isophorone	SOM02.2	--	--	--	µg/kg	< 650	
Naphthalene	SOM02.2	176	369	561	µg/kg	**1700**	
Nitrobenzene	SOM02.2	--	--	--	µg/kg	< 650	
N-Nitroso-Di-N-Propylamine	SOM02.2	--	--	--	µg/kg	< 650	
N-Nitrosodiphenylamine	SOM02.2	--	--	--	µg/kg	< 650	
P-Chloroaniline	SOM02.2	--	--	--	µg/kg	< 1300	
Pentachlorophenol	SOM02.2	150	175	200	µg/kg	**< 1300**	
Phenanthrene	SOM02.2	204	687	1170	µg/kg	**1200**	
Phenol	SOM02.2	4200	8100	12000	µg/kg	< 1300	
P-Nitroaniline	SOM02.2	--	--	--	µg/kg	< 1300	
Pyrene	SOM02.2	195	858	1520	µg/kg	**890**	
Polychlorinated Biphenyls							
Aroclor 1016	SW8081	--	--	--	µg/kg	-	
Aroclor 1221	SW8081	--	--	--	µg/kg	-	
Aroclor 1232	SW8081	--	--	--	µg/kg	-	
Aroclor 1242	SW8081	--	--	--	µg/kg	-	
Aroclor 1248	SW8081	--	--	--	µg/kg	-	
Aroclor 1254	SW8081	--	--	--	µg/kg	-	
Aroclor 1260	SW8081	--	--	--	µg/kg	-	
Aroclor 1262	SW8081	--	--	--	µg/kg	-	
Aroclor 1268	SW8081	--	--	--	µg/kg	-	
Aroclor 1016	SOM02.2	--	--	--	µg/kg	< 54	
Aroclor 1221	SOM02.2	--	--	--	µg/kg	< 54	
Aroclor 1232	SOM02.2	--	--	--	µg/kg	< 54	
Aroclor 1242	SOM02.2	--	--	--	µg/kg	< 54	
Aroclor 1248	SOM02.2	--	--	--	µg/kg	< 54	
Aroclor 1254	SOM02.2	--	--	--	µg/kg	< 54	
Aroclor 1260	SOM02.2	--	--	--	µg/kg	< 54	
Aroclor 1262	SOM02.2	--	--	--	µg/kg	< 54	
Aroclor 1268	SOM02.2	--	--	--	µg/kg	< 54	
Total PCBs (NDs=0)	CALC	60	368	676	µg/kg	-	
Organotins							
Dibutyl Tin	RESTEK	--	--	--	µg/kg	-	
Monobutyltin as ion	RESTEK	--	--	--	µg/kg	-	
Tetrabutyl Tin	RESTEK	--	--	--	µg/kg	-	
Tri-n-butyltin hydride	RESTEK	0.52	1.73	2.94	µg/kg	-	

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

					Location	SW15-SLB03	
					Sample ID	SW15-SLB03-8010_7/9/2015 4:18:00 PM	
					Date	07-09-2015	
					Sample depth (ftbss)	8 - 10	
					Sample type	N	
Parameter	Analytic method	WI-WDNR-SE-INT-2003-TEC	WI-WDNR-SE-INT-2003-MEC	WI-WDNR-SE-INT-2003-PEC	Units	--	
Pesticides							
1,2,3,4,6,7,8-HPCDD	E1613B	--	--	--	pg/g	-	
1,2,3,4,6,7,8-HPCDF	E1613B	--	--	--	pg/g	-	
1,2,3,4,7,8,9-HPCDF	E1613B	--	--	--	pg/g	-	
1,2,3,4,7,8-HxCDD	E1613B	--	--	--	pg/g	-	
1,2,3,4,7,8-HXCDF	E1613B	--	--	--	pg/g	-	
1,2,3,6,7,8-HxCDD	E1613B	--	--	--	pg/g	-	
1,2,3,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-	
1,2,3,7,8,9-HxCDD	E1613B	--	--	--	pg/g	-	
1,2,3,7,8,9-HxCDF	E1613B	--	--	--	pg/g	-	
1,2,3,7,8-PeCDD	E1613B	--	--	--	pg/g	-	
1,2,3,7,8-PeCDF	E1613B	--	--	--	pg/g	-	
2,3,4,6,7,8-HXCDF	E1613B	--	--	--	pg/g	-	
2,3,4,7,8-PECDF	E1613B	--	--	--	pg/g	-	
2,3,7,8-TCDD	E1613B	--	--	--	pg/g	-	
2,3,7,8-TCDF	E1613B	--	--	--	pg/g	-	
OCDD	E1613B	--	--	--	pg/g	-	
OCDF	E1613B	--	--	--	pg/g	-	
Other							
Acid volatile sulfides	SW6010	--	--	--	mg/kg	-	
Acid volatile sulfides	AVS	--	--	--	mg/kg	-	
Acid volatile sulfides	AVS_UM/G	--	--	--	mg/kg	-	
Moisture	D2216	--	--	--	%	**57**	
Moisture	SM2540	--	--	--	%	-	
Total Organic Carbon	SW9060	--	--	--	mg/kg	-	
Total Organic Carbon	TOC	--	--	--	mg/kg	**269000**	B

Table 1
Analytical Results
Oil Barge Dock Slip - Superior, WI

Footnotes:
< : Denotes concentration less than indicated detection limit
< Bolded with concentration underlined: Denotes concentration was less than indicated detection limit, but above one or more comparison criteria.
* = Post-digestion spike at 2 times the parent concentration.
B = Analyte was detected above the method detection limit in the method blank.
D = Surrogate value being reported is from a diluted anlaysis and the results will be consiidered diluted.
E = Indicates compound results in the sample are above the upper calibration limit.
J = The analyte was positively identified; the associated numerical value is an apprpoximate concentration of the analyte.
P = Results are flagged if the percent difference of the concentrations between the 2 columns is greater than 25%.
U = Not detected.
*Qualifier definitions for I and N are missing.
Bold = analyte detected above laboratory reporting limit.
Highlighted Yellow = Exceeds one or more WDNR -Consensus-Based Sediment Quality Guidelines. Interim Guidance. December 2003. (TEC, MEC or PEC)
WI-WDNR-SE-INT-2003-TEC = WDNR -Consensus-Based Sediment Quality Guidelines. Interim Guidance. December 2003. (TEC-threshold effect concentration)
WI-WDNR-SE-INT-2003-MEC = WDNR -Consensus-Based Sediment Quality Guidelines. Interim Guidance. December 2003. MEC-midpoint effect concentration)
WI-WDNR-SE-INT-2003-PEC = WDNR -Consensus-Based Sediment Quality Guidelines. Interim Guidance. December 2003.(PEC-probable effect concentration).
N = Sample type is a normal sample.
FD = Sample type is a field duplicate sample.
"-" = Not analyzed
"--" = No Standard/Guideline
PCB = Polychlorinated Biphenyls
SVOC = Semivolatile Organic Compound
ng/g = nanogram per gram (same as µg/kg)
pg/g = picogram per gram.
µg/kg = microgram per kilogram
mg/kg = milligrams per kilograms
ft bss: feet below sediment surface
% = percent

Table 2
Sample Locations and Depths
Oil Barge Dock Slip - Superior, WI

Location ID	Sampling Year	Analytes	Sample Depth Intervals (ftbss)	Sediment Surface Elevation (ft)	Collecting Consultant	Client	Notes
SW15-SLB03	2015	34PAHs, TAL Metals + Mercury, VOCs, SVOCs, PCBs-Aroclors, Dioxins/Furans, TOC, SEM/AVS, Grain Size, % Moisture, Toxicity Testing	0-0.5 (surf) 0.5-2.0 2.0-4.0	592.3	EA	US EPA	Strong hydrocarbon odor noted (could be detected inside cabin of sampling vessel) as core was retrieved. Surface sediment brown silt with trace sand, organics, and woody debris. Slight sheen observed in surface sediment.
ND20-BP01	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0 10.0-12.0 12.0-14.0	600.39	EA	WDNR	Due to dense woody debris, a surface grab sample could not be collected at this location. The surface interval (0.0 to 0.3 ft) was collected from the core collected instead.
ND20-BP02	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles, PCBs-Aroclors, Organotin, Dioxins/Furans, Toxicity Testing	surf surftox 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0 10.0-12.0 12.0-14.0	600.75	EA	WDNR	Black silty fine sands with vegetative and woody debris. A decontaminated stainless-steel shovel was used to collect surficial sediments due to debris. Both odor and sheen observed.
ND20-BP03	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles, PCBs-Aroclors, Organotin, Dioxins/Furans, Toxicity Testing	surf surftox 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0 10.0-12.0 12.0-14.0 14.0-16.0 16.0-18.0 18.0-20.0	599.64	EA	WDNR	Due to the dense woody debris at the target location, the sampling location was shifted and the sediments were collected with a stainless steel shovel per the direction of WDNR. Sediment comprised of fine black sands, with woody debris. Petroleum sheen arose in water at collection, and odor was noted in sediments.
ND20-BP04	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0 10.0-12.0 12.0-14.0	590.47	EA	WDNR	Medium brown silts over medium brown clays with vegetative matter and medium cohesion. No odor or sheen.
ND20-BP05	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles, PCBs-Aroclors, Organotin, Dioxins/Furans, Toxicity Testing	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0 10.0-12.0 12.0-14.0	584.41	EA	WDNR	Light brown with loose cohesion over medium brown silty-clay with medium cohesion. No odor or sheen,

Table 2
Sample Locations and Depths
Oil Barge Dock Slip - Superior, WI

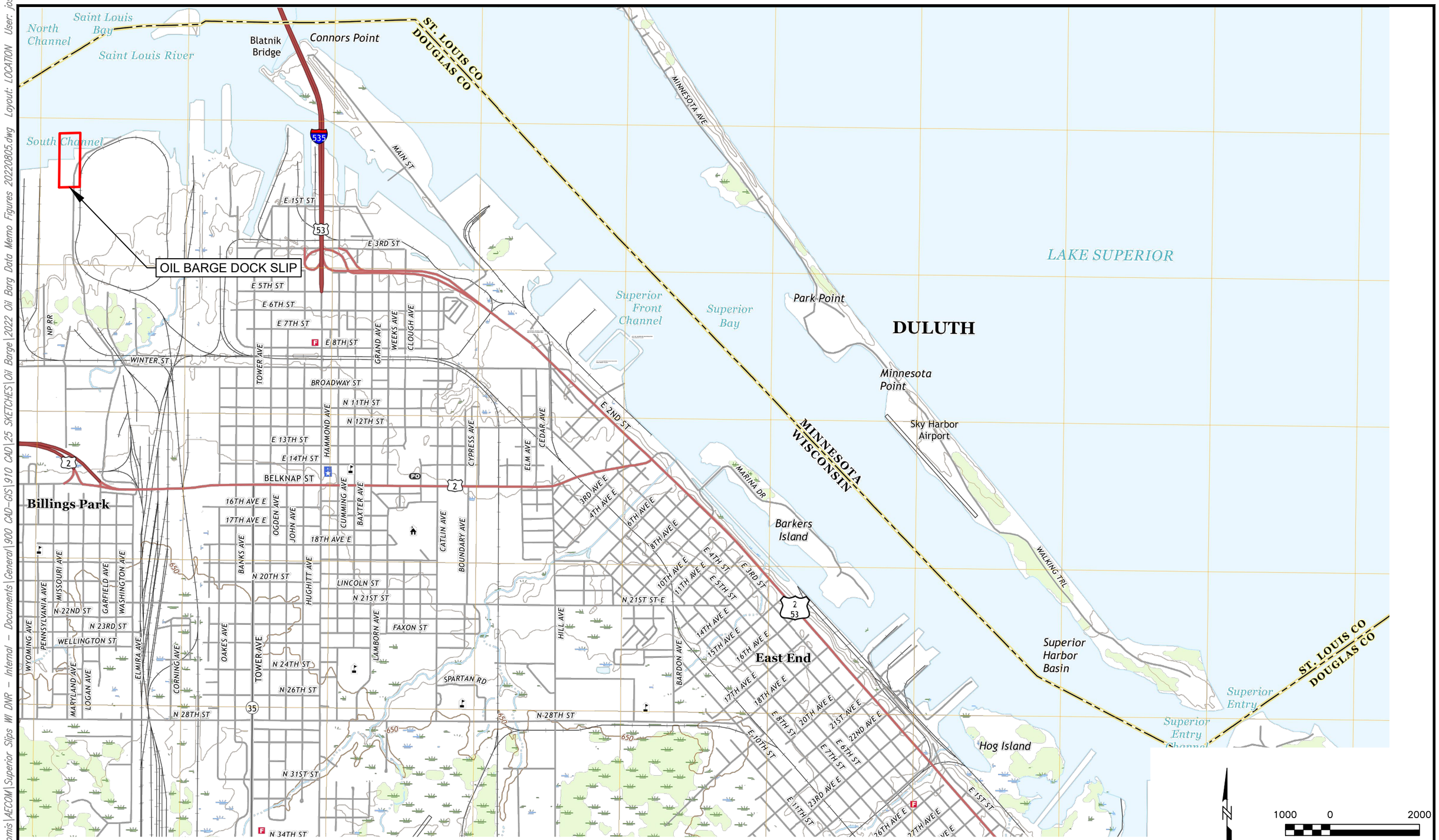
Location ID	Sampling Year	Analytes	Sample Depth Intervals (ftbss)	Sediment Surface Elevation (ft)	Collecting Consultant	Client	Notes
ND20-BP06	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0 10.0-12.0 12.0-14.0	584.61	EA	WDNR	Light brown silts with loose cohesion over medium brown clay with medium cohesion. No odor or sheen.
ND20-BP07	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles, PCBs-Aroclors, Organotin, Dioxins/Furans, Toxicity Testing	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0 10.0-12.0 12.0-14.0	584.34	EA	WDNR	Light brown silts with loose cohesion over medium silty-brown clay with medium cohesion. No odor or sheen.
ND20-BP08	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0 10.0-12.0 12.0-14.0	584.34	EA	WDNR	Light brown silts with loose cohesion over medium brown clay with medium cohesion. No odor or sheen.
ND20-BP09	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0 10.0-12.0 12.0-14.0	582.62	EA	WDNR	Light brown silts with loose cohesion over medium brown clay with medium cohesion. No odor or sheen.
ND20-BP10	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0	583.95	EA	WDNR	Light brown fine sands and silts with loose cohesion over medium brown silty-clay with medium cohesion. No odor or sheen.
ND20-BP11	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0	582.56	EA	WDNR	Light brown silts with loose cohesion over medium brown silty-clay with medium cohesion. No odor or sheen.
ND20-BP12	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0	579.74	EA	WDNR	Light brown silts with loose cohesion over medium brown silty-clay with medium cohesion. No odor or sheen.
ND20-BP13	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0	580.41	EA	WDNR	Light brown silts with loose cohesion over medium brown silty-clay with medium cohesion. No odor or sheen.

Table 2
Sample Locations and Depths
Oil Barge Dock Slip - Superior, WI

Location ID	Sampling Year	Analytes	Sample Depth Intervals (ftbss)	Sediment Surface Elevation (ft)	Collecting Consultant	Client	Notes
ND20-BP14	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0	583.68	EA	WDNR	Light brown silts with loose cohesion over medium brown silty-clay with medium cohesion. No odor or sheen.
ND20-BP15	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0	595.64	EA	WDNR	Light brown silts with loose cohesion and coal chunks over clays with trace fine sands.
ND20-BP16	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0	580.14	EA	WDNR	Light brown silts with loose cohesion over medium brown silty-clay with medium cohesion. No odor or sheen.
ND20-BP17	2020	Alkylated PAHs, TAL Metals + Mercury, TCL VOCs, TCL SVOCs, TOC, Grain Size, % Moisture, Aliphatic Hydrocarbons (C8-C40), Microscopic Analysis of Coal Particles	surf 0.3-2.0 2.0-4.0 4.0-6.0 6.0-8.0 8.0-10.0	582.49	EA	WDNR	Light brown silts with loose cohesion over medium brown silty-clay with medium cohesion. No odor or sheen.

Notes:
% = Percent.
+ = plus.
C8-C40 = 8 carbon-chain to 40 carbon-chain
EA - EA Engineering, Science, and Technology, Inc. PBC
ft = feet.
ftbss = feet below sediment surface
PAH = polycyclic aromatic hydrocarbon.
SEM/AVS = Simultaneously Extracted Metals/Acid Volatile Sulfides
SVOCs = semi-volatile organic compounds.
TAL = Target Analyte List.
TCL = Target Compound List.
TOC = total organic carbon.
US EPA = United States Environmental Protection Agency.
VOCs = volatile organic compounds.
WDNR = Wisconsin Department of Natural Resources.

Figures



AECOM

SUPERIOR SLIPS WISCONSIN DNR SUPERIOR, WISCONSIN		**USGS SITE LOCATION MAP**
DATE: 08/05/2022	DRWN: JLL/SAP	**FIGURE 1**

St. Louis Bay

Hallet Dock 8 Slip

Oil Barge Dock

ND20-BP17

ND20-BP16

ND20-BP15

ND20-BP13

ND20-BP14

ND20-BP12

ND20-BP11

ND20-BP10

ND20-BP09

ND20-BP08

ND20-BP07

ND20-BP06

ND20-BP05

ND20-BP04

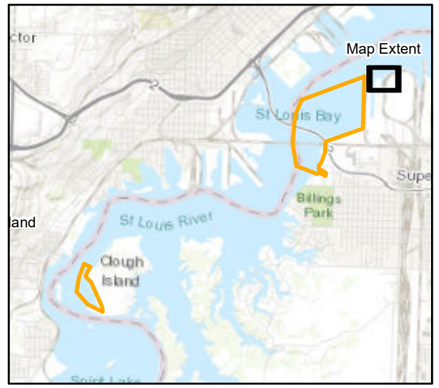
SW15-SLB03

ND20-BP01

ND20-BP03

ND20-BP02

VICINITY MAP



Legend

- Sediment Sample Location (EA, 2020)
- Sediment Sample Location (EA, 2016)
- Sediment Characterization and Survey Area (39.65 ac)

Image Source: Douglas County
Image Date: 2022

N

0 75 150 300

Feet

AECOM

Title: **Sample Locations Oil Barge Dock**

Project: Superior Slips Superior, Wisconsin

Client: Wisconsin DNR

File Name: Sample Location Map Oil Barge Dock.mxd

Project No.:	Date:	Figure:
60685299	8/1/2022	2

Path: L:\DCS\GIS\Projects\Superior\MXD\Sample Location Map Oil Barge Dock.mxd

Appendix A BRRTS Sites Map (SIGMA, 2019)

BNSF/General Mills Grain Elevator
BRRTS #02-16-558264
BRRTS #03-16-559534

Superior Midwest Energy
BRRTS #03-16-205568
BRRTS #03-16-205569

Amoco Oil Barge Dock
BRRTS #02-16-297977

Hallett Dock #8
BRRTS #02-16-544665

South Channel

9

10

BNSF - Grain Elevator
BRRTS #02-16-272248

Murphy Marine Terminal
BRRTS #03-16-000320

Superior Midwest Energy Terminal
BRRTS #02-16-201976

Murphy Marine Terminal
Open:
BRRTS #03-16-000721
Conditionally Closed:
BRRTS #02-16-554200

Williams/Magellan Pipeline
BRRTS #02-16-000336
BRRTS #03-16-000145

AMOCO Barge Dock
BRRTS #02-16-297979

Burlington Northern Santa Fe
BRRTS #02-16-577100

AMOCO Barge Dock
Open:
BRRTS #02-16-117873
Closed:
BRRTS #02-16-274556

WINTER ST

16

15

ABC NACO/ABC Rail
Open:
BRRTS #02-16-000072
BBRTS #02-16-119619
BRRTS #03-16-000059
Closed:
BRRTS #02-16-184030
BRRTS #03-16-000801
BRRTS #03-16-000802

Williams/Magellan Pipeline
BRRTS #02-16-000475

N

2

LEGEND

- Approximate Task Area Boundary
- Approximate Boundary of Closed Site
- Approximate Boundary of Closed Site with Continuing Obligations
- Approximate Boundary of Open Site

0 600 ft. 1,200 ft.

GRAPHIC SCALE

Image Sources:
2018 USGS Aerial Image, Superior, WI Quadrangle
2013 USGS Aerial Image, West Duluth, MN Quadrangle

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BRRTS SITES MAP

WINTER STREET NORTH TASK AREA

FIGURE 4

Project: 18328
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Filename: 18328_Winter_Street_North_Fig 4_BRRTS.pdf
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