



Site Investigation Report

Suggar Property Kenosha, WI

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Suggar Property

3301 – 60th Street

Kenosha, WI

FID#: 230156410

BRRTS#: 03-30-004964 & 03-30-556490

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1.0 INTRODUCTION

Midwest Environmental Consulting (MEC) has completed site investigation activities at the Suggar Property site at 3301 – 60th Street in Kenosha, Wisconsin. The site investigation is being conducted on behalf of Mr. Jose Ochoa Martinez, the site owner. The site is located in the NE ¼, NW ¼, Sec. 1, T 1N R 22E in Kenosha County, Wisconsin (United States Geological Survey [USGS] 1958, 1971). The site location is illustrated on Figure 1. The site configuration is illustrated on Figures 2 through 4.

The purpose of the site investigation was to characterize and define the nature and extent soil and groundwater contamination as well as the potential for vapor intrusion of buildings associated with the past presence of petroleum storage tank systems at the site, as required by the Wisconsin Department of Natural Resources (WDNR) letter of June 15, 1995. The investigative activities also provided characterization of the geology, hydrogeology and preferred migration pathways to facilitate a better understanding of contaminant transport at the site.

This Site Investigation Report (SIR) documents the investigative activities conducted on, and in the vicinity of, the site by MEC, as well as previous environmental activities conducted on and in the vicinity of the site by others. The SIR discusses the site geology, hydrogeology and environmental conditions in context of the newly generated data and that available through the prior environmental activities.

Three 500-gallon gasoline underground storage tanks (USTs), located to the north of the on-site building were closed in place in 1980 by filling them with concrete. A 275-gallon used oil UST located on the east side of the building was removed in November 2010.

In April 1995, phase II environmental site assessment (ESA) sampling on the property adjacent to the west of the site identified petroleum soil contamination attributed to the USTs on the Suggar Property site. In June 1995 the WDNR issued a letter to Mr. Albert Suggar, then owner of the site, notifying him of the contamination potentially associated with the closed USTs and of his responsibility to conduct an environmental site investigation.

From 2006 to 2010 ESA activities at the site as well as environmental site investigation activities for the Mueller's Auto site, across the street at 3300 – 60th Street revealed the presence of petroleum soil and groundwater contamination likely associated with the UST system on the Suggar property. In addition, the 275-gallon UST located on the east side of the building was identified and removed, revealing the presence of a petroleum release from the tank with soil contamination exceeding residual contaminant levels (RCLs) for direct contact exposure and protection of groundwater.

In December 2016 and January 2017, Midwest advanced nine direct-push soil borings (DP-3 through DP-11) at the site. Petroleum soil contamination was identified that exceeded RCLs for the protection of groundwater. Petroleum groundwater contamination exceeding enforcement standards (ESs) was identified.

A total of nine groundwater monitoring wells (MW-1 to MW-9) were either installed or sampled as part of the site investigation. Groundwater contamination was identified exceeding groundwater quality standards (GQSs).

Two sub-slab vapor samples were collected from the onsite building in June 2018 and June 2019 and analyzed for TO-15 VOCs. The sample concentrations were below vapor risk screening levels (VRSLs) for the small commercial exposure scenario. Naphthalene exceeded the residential VRSL in the sample collected from beneath the concrete slab-on-grade floor in the shop area. However, naphthalene was not detected in the sample collected from beneath the basement floor slab below the apartment area in the rear of the building, indicating that vapor intrusion is not occurring.

In November 2018, MEC conducted a survey of the basements down gradient from the site in the 3200 block of 60th Street to evaluate the potential for vapor intrusion of the buildings. No evidence of groundwater or vapor intrusion was noted in any of the basements. In July 2019, MEC completed a vapor intrusion assessment of the buildings using field and laboratory analytical data obtained from soil borings and monitoring wells advanced near the buildings.

The assessment determined that vapor intrusion investigation sampling at the buildings in question was not warranted per WDNR guidance.

Soil contamination exceeding RCLs has been defined and is confined to the eastern portion of source property and the immediately adjacent portion of the 33rd Avenue right-of-way. Groundwater contamination exceeding groundwater quality standards (GQSs) is present on the eastern portion of the site and extends beneath 33rd Avenue to monitoring wells MW-6 and MW-7 in the middle of the south 3200 block of 60th Street.

Two rounds of groundwater sampling at all of the site wells except MW-9 (one round) exhibit concentrations that are stable to decreasing. In addition, nine rounds of groundwater monitoring at MW-8 from 2008 to 2019 exhibit concentrations decreasing from exceeding ESs to exceeding only preventive action limits (PALs). Therefore, the overall groundwater plume is stable to decreasing in extent and concentration.

Groundwater flow in the vicinity of the Suggar Property is toward the east-northeast and appears to be influenced by deep utility trenches beneath 60th Street that are likely acting as preferred conduits for groundwater migration. However, with numerous sites of petroleum contamination in the area, including upgradient from the site, differentiating the sources of such contamination would be exceedingly difficult, expensive and unproductive.

Vapor assessment and investigation activities, including collection of two sub-slab vapor samples onsite have demonstrated that vapor intrusion of the on-site building is not occurring and the buildings down gradient are not at risk for vapor intrusion.

Due to the age of the release, the petroleum contamination at the site is highly weathered. The lighter end components have degraded in both soil and groundwater to levels below method detection limits (MDLs) or to low level detections at nearly all sampling locations.

In light of the above, it is MECs opinion that natural attenuation will bring groundwater contamination at the site into compliance with groundwater quality standards over time. Therefore, case closure is warranted based on the notification of the owners of three affected properties on the 3200 block of 60th Street as well as the City of Kenosha for the adjacent 33rd Avenue right-of-way. A Cap Maintenance Plan will be developed for the source property, requiring maintenance and inspection of the existing concrete pavement that covers the entire site.

2.0 SITE AND LOCAL CHARACTERISTICS

2.1 Site and Local Geology

Site geology generally consisted of 0 to 5 feet of fill material consisting of sand and clay overlying native clay. Layers of sand and silt with some interbedded clay were typically encountered at 4 to 8 feet bls and extended to 16 feet the termination depth of most of the soil borings.

Local topography (within one mile of the site) exhibits low to moderate relief from 620 to 650 feet above mean sea level (MSL) and generally slopes to the east toward Lake Michigan (USGS 1958 and 1971).

Locally, unconsolidated deposits range in thickness between 50 and 100 feet, which is also the anticipated thickness of unconsolidated deposits beneath the site. (Trotta and Cotter, 1973). The local glacial/surficial geology is composed of glacial lake deposits. Glacial lake deposits consist of stratified clay, silt, sand and gravel (Hadley and Pelham 1976). The local bedrock is composed of the following units (from top to bottom) (Mudrey, Brown, and Greenburg, 1982):

- Undifferentiated Silurian Age dolomite formations
- Maquoketa Formation Ordovician age shales, dolomites, and dolomitic shales
- Sinnipee Group dolomites with limestones and shales
- Ancell Group sandstones with minor limestones, shales and conglomerates
- Prairie Du Chien Group dolomites with some sandstone and shale
- Cambrian age sandstones with dolomites and shales, and
- Precambrian crystalline rock

2.2 Site and Local Hydrogeology

Apparent saturated conditions were encountered between approximately 9 and 12 feet below land surface (bls) in the site borings and monitoring wells. Shallow aquifers are not typically used for water supply purposes, but may act as a conduit for groundwater contaminant migration.

Water supply wells typically draw from the dolomites and sandstones several hundred feet below the surface. Regional groundwater flow is to the east – southeast toward Lake Michigan.

Groundwater flow at the Suggar Property is toward the east-northeast. Groundwater flow at the Mueller's Auto site directly across 60th street to the north of the subject site is toward the east-southeast indicating that local flow is influenced by deep utility trenches beneath 60th Street that may be acting to drain groundwater in the area.

2.3 Local Contaminant Pathways and Receptors

Lake Michigan, approximately one mile to the east of the site is the nearest potentially affected surface water body.

There are a number of buried utilities present adjacent to the site beneath 33rd Avenue and 60th Street. These utilities include storm and sanitary sewer trenches that appear to intersect the water table which is at approximately 9 to 12 feet bls. In particular there is a storm sewer beneath 60th Street that, based on records obtained from the City of Kenosha Public Works Department, extends to a depth of about 21 feet bls, well into the saturated zone at the site.

The groundwater flow at the Suggar Property other contaminated sites in the area appears to be influenced by these deep utility trenches beneath 60th Street. There is a potential that groundwater contamination from these sites is migrating to the 21-foot deep storm sewer trench beneath 60th Street which may be acting as a preferential migration pathway.

As part of the investigation at the Mueller's site, across 60th Street to the north, ChemReport Inc. (CRI) evaluated three sites located along 60th St. that are listed on the WDNR Geographic Information System (GIS) site registry. The two sites located to the north of 60th Street exhibited groundwater flow toward the southeast similar to that observed at the Mueller's site. The third site which is located on the south side of 60th Street exhibited groundwater flow toward the northeast similar to that of the Suggar Property site. Based on this pattern, it appears that an overall easterly groundwater flow in the area is converging on the storm sewer trench that may be acting as a drain by providing an avenue of preferential groundwater flow.

Potable water at the site is supplied by the Kenosha Water Utility. Therefore, the potential for potable water at the site to be impacted by contamination from the former USTs is extremely remote.

Screening for the on-site building indicated the potential for vapor intrusion of the building, leading to the performance of a vapor intrusion investigation. Sub-slab vapor sampling within the building revealed that vapor intrusion is not occurring at levels above applicable vapor risk screening levels (VRSLs).

MEC also conducted a survey of the buildings on the 3200 block of 60th Street on the south side of the street and down gradient of the site using visual observations, a four-gas meter and a photoionization detector (PID) to assess the potential for vapor or groundwater intrusion of the basements. The basement survey was followed by a vapor intrusion assessment for these buildings. No evidence of vapor or groundwater intrusion was noted and vapor screening indicated that a vapor investigation for the buildings was not warranted.

2.4 Local Contaminant Sources Assessment

Based on general knowledge of the area surrounding the site along with a review of the WDNR GIS and Bureau of Remediation and Redevelopment Tracking System (BRRTS) databases, there are several contaminated sites located along 60th St. in the vicinity of the site. Several of the sites are located to the west or generally up-gradient hydraulically from the Suggar Property site. The site data does not indicate the presence of contamination migrating to the Suggar Property from off-site sources.

3.0 BACKGROUND INFORMATION

The site is located at 3301 – 60th Street in Kenosha, Kenosha County, WI. The property is part of the NE ¼, NW ¼, Sec. 1, T 1N R 22E. The site is bounded by 60th Street to the north, 33rd Avenue to the east, an alley to the south and a business/apartment building to the west.

The property is 0.14 acres in size and is occupied by a single story, slab-on-grade concrete block building. A second-floor apartment on the south end, which includes a small basement in the southwestern corner. The building is approximately 4,200 square feet and houses an automobile service shop, a small office area and the apartment with an attached garage on the south end. Until the area to the north of the building was repaved with concrete in 2019, the apparent location of a former fuel dispenser island was visible as an oval concrete patch approximately 15 feet northeast of the office. The area surrounding the former dispenser island

is a small paved lot used to park cars prior to servicing. A concrete patch is present in the sidewalk adjacent to the east side of the building where the used oil tank was removed in 2010. The site surface consists of concrete. The site configuration is illustrated on Figures 2 through 4.

The surrounding land use is a mix of commercial as well as single and multi-family residential use. Topography in the area is generally flat, sloping gently toward Lake Michigan. According to the Kenosha County Land Information website, the property is zoned for commercial use.

3.1 Site History

Midwest reviewed several reports that provided documentation of environmental activities and conditions on, and in the vicinity of, the site as summarized below. For a more detailed discussion, please refer to the Site Investigation Work Plan (MEC – November 2016).

CRI PHASE I ESA – August 2010: According to the ChemReport, Inc. (CRI) Phase I ESA Report, the building was constructed in 1912, based on the Kenosha County online property detail. The title search revealed that the site was leased to the Standard Oil Co. from 1946 to 1951.

Sanborn Fire Insurance Maps were reviewed as part of the Phase I ESA. The 1918 map shows that the site and much of the surrounding area is undeveloped. The 1950 map depicts the subject property with the filling station building identified on the northern portion of the property. The portion of the current building that is a residence is present as a separate building on the southern end of the property. The 1969 map identifies the property as a filling station and shows the building as it currently exists with the auto shop portion constructed between the previously existing filling station building (north) and the apartment building (south).

Three 500-gallon gasoline USTs, located to the north side of the on-site building were closed in place in 1980 by filling them with concrete. A 275-gallon UST was located beneath the sidewalk on the east side of the site which had been used by the former property owner for the storage of used oil.

CRI WDNR FILE REVIEW – June 2010: In April 1995 a Phase I and Limited Phase II ESA was conducted for a property located at 3305 – 60th St by Key Environmental Services. This property is located immediately adjacent to the west side of the subject site. The Phase I ESA identified the three 500-gallon gasoline USTs located on the north end of the on-site building and closed

in place by filling them with concrete. The subject site has since been operated as an automobile service and repair business, no longer dispensing motor vehicle fuel.

The Limited Phase II ESA included the advancement of two soil borings near the property line with the Suggar Property site. Gasoline Range Organics (GRO) results for the two soil samples collected indicated the presence of low-level soil contamination which was reported to the WDNR. As a result, on June 15, 1995 the WDNR issued a letter to Mr. Albert Suggar, then owner of the site, notifying him of the contamination potentially associated with the closed USTs and of his responsibility to conduct an environmental site investigation. The historical soil sample results are summarized on Table 1. The approximate soil boring locations are illustrated on Figures 2 through 4. The boring logs are provided in Appendix A.

In June 2006, Mr. Suggar had a Phase I ESA performed for the subject site by Gabriel Environmental Services. In addition to the three USTs closed in place, the Phase I ESA identified the 275-gallon used oil UST located on the east side of the building. According to Mr. Suggar he had the tank emptied in 2002, but that he left used oil in the tank when he vacated the building in 2004.

CRI MUELLERS INVESTIGATION & PHASE II ESA – August 2010: In 2006 ChemReport advanced a direct-push soil boring (GP-12) at the site adjacent to the curb along the south side of 60th St. as part of the site investigation for the Mueller's Auto site at 3300 – 60th Street, on the northwest corner of the intersection of 60th St. and 33rd Ave. Soil and groundwater samples were collected and analyzed for petroleum volatile organic compounds (PVOCs). Soil sample analytical results revealed the presence of low-level petroleum soil contamination likely associated with the UST system closed in place on the Suggar property. The groundwater sample results did not yield PVOC contaminant concentrations above MDLs. The historical soil and groundwater sample results are summarized on Tables 1 and 2, respectively. The boring log for GP-12 is provided in Appendix A.

In 2008 ChemReport installed groundwater monitoring well MW-8 associated with the Mueller's Auto site. MW-8 is located near the southeast corner of the intersection of 60th St. and 33rd Ave. and, down gradient from the Suggar property. Soil samples collected from soil boring MW-8 and analyzed revealed the presence of low-level petroleum soil contamination which may be attributable to the Suggar site, Mueller's or both. The historical soil sample results are summarized on Table 1. The soil boring locations are illustrated on Figures 2 through 4. The boring log, monitoring well detail and development form for MW-8 are provided in Appendix A.

In July 2010 ChemReport collected a groundwater sample from Mueller's monitoring well MW-8 as part of the Phase II ESA for the Suggar property. The sample was analyzed for the full list of volatile organic compounds (VOCs). Only petroleum related VOCs were detected in the sample from MW-8, three of which exceeded their enforcement standards (ESs). The contamination at MW-8 was deemed likely to be attributable, at least in part, to the Suggar property. The historical groundwater sample results are summarized on Table 2. The groundwater monitoring well location is illustrated on Figures 2 through 4.

In August 2010 ChemReport advanced two direct-push soil borings (DP-1 and DP-2) on site. Soil and groundwater samples were collected from each boring and analyzed for VOCs. VOCs were detected in both soil and both groundwater samples. The VOCs detected were all petroleum related compounds, with the possible exception of chloromethane, detected in both groundwater samples. Chloromethane is a breakdown product and can form when chlorine, such as that found in municipal water, is in contact with decaying organic material. Chloromethane can also be a laboratory contaminant. Chloromethane has not been detected in soil at the site or in any other groundwater samples. The historical soil and groundwater sample results are summarized on Tables 1 and 2, respectively. The soil boring logs for DP-1 and DP-2 are provided in Appendix A.

CRI UST Closure Report – December 2010: In November 2010 the used oil UST was removed from the site. Inspection of the tank revealed several corrosion holes approximately 1/8 the 1/4 inch in diameter. Upon cutting open the tank approximately 100 gallons of sludge was observed to be present. The tank excavation was approximately 5.5 feet wide (east-west), 8 feet long (north-south) and 4 feet deep and revealed apparent signs of petroleum contamination including petroleum odor and stained soils. The soil observed in the excavation was brown clay.

CRI conducted the Tank System Site Assessment by collecting one soil sample (SS-1) from obviously contaminated soil at the base of the excavation for laboratory analysis for diesel range organics (DRO), GRO, PVOCs and naphthalene. Laboratory results confirmed the presence of petroleum soil contamination.

Soil sample SS-1 exhibited several PVOCs at concentrations exceeding their respective RCLs for the protection of groundwater. Naphthalene exceeded the Chapter NR 746 Wisconsin Administrative Code (WAC) indicator of residual (free-phase) petroleum in soil pores that was in place at the time. Naphthalene also exceeded the current non-industrial direct contact RCL. The laboratory results for soil sample SS-1 are summarized on Table 1.

4.0 SOIL INVESTIGATION

4.1 Field Activities

On December 12, 2016 and January 10, 2017, MEC advanced 9 direct-push soil borings (DP-3 through DP-11) at the site. The direct-push soil boring locations are illustrated on Figures 2 through 4.

The borings were advanced to depths of 16 feet below land surface (bls). Soil cores were retrieved from the direct-push soil borings at 4-foot intervals to the termination depth of the borings. The soil cores were characterized per the Unified Soil Classification System and screened in the field for the presence of volatile organic vapors using a photoionization detector (PID). PID readings ranged from no detect to 751 ppm. Petroleum odors and/or staining were observed at all of the borings except DP-3.

Based on field observations, two to three soil samples were collected from each boring for laboratory analysis.

On May 14 and 15, 2018, five hollow-stem auger (HSA) soil borings (SB-1 to SB-5) were advanced at the site for the purpose of installing groundwater monitoring wells. The borings were all advanced to depths of 16 feet bls. Due to the proximity of many of these borings to previously advanced direct push borings, four of the borings (SB-2 through SB-5) were blind drilled. The exception was boring SB-1, located on the east side of 33rd Avenue, across from the site. Split-spoon samples were collected from boring SB-1 at standard two-foot intervals to the termination depth of the boring. PID readings ranged from zero to 248 ppm in the 12 to 13.5-foot depth interval. One soil sample was collected from boring SB-1 and submitted for laboratory analysis. The soil boring / monitoring well locations are illustrated on Figures 2 through 4.

On December 11, 2018, two HSA borings (SB-6 and SB-7) were advanced down-gradient from the site at 3215 – 60th Street, in the middle of the 3200 block of 60th Street for the purpose of installing groundwater monitoring wells MW-6 and MW-7. Split-spoon samples were collected from the borings at standard two-foot intervals to the termination depth of the borings. Soil samples collected previously from locations SB-1/MW-1 and MW-8 and laboratory analyzed, did not exhibit contaminant concentrations exceeding non-aqueous phase liquid (NAPL) indicators

or residual contaminant levels (RCLs). As a consequence, soil samples were not collected for laboratory analysis from the subsequently advanced, downgradient borings SB-6/MW-6 or SB-7/MW-7.

A PID reading greater 500 ppm was observed during field screening of a split-spoon sample from the top of the saturated zone at SB-7. This soil core from the 12 to 14-foot depth interval exhibited a PID reading of 673 ppm and a response of 10 percent of the lower explosive limit. However, with highly weathered gasoline and a 673 ppm PID reading it is unlikely that concentrations approach the LEL and it seems likely that the response may have been an instrument malfunction or interference issue. Monitoring well MW-7 is located 8 feet to the north of the building at 3215 – 60th Street, which is the Renwood recording studio with basement studios. A PID reading exceeding 500 ppm is considered to be an indicator of the presence of NAPL per the guidance. However, MW-7 has been checked for the presence of free product on four occasions with none observed. As a consequence, free product is not present and therefore, this avenue of vapor intrusion can be eliminated as a concern.

On January 14, 2020, soil boring SB-9 was advanced at 3203 – 60th Street, near the southwest corner of the intersection of 60th Street and 32nd Avenue. The boring was advanced to a depth of 20 feet bls for the purpose of installing groundwater monitoring well MW-9. Split-spoon samples were collected from the boring at standard two-foot intervals to the termination depth of the boring. No elevated PID readings or other evidence of contamination was observed and no soil samples were collected for laboratory analysis.

Site geology generally consisted of 0 to 5 feet of fill material consisting of sand and clay overlying native clay. Layers of sand and silt with some interbedded clay were typically encountered at 4 to 8 feet bls and extended to 16 feet the termination depth of most of the soil borings. Geological cross-sections A-A' and B-B' are illustrated on Figures 5 and 6, respectively.

Upon completion of the sampling activities, the direct-push soil borings were properly abandoned. The soil boring logs and borehole abandonment forms are provided in Appendix A. Soil cuttings from the borings were placed in 55-gallon drums for proper disposal.

4.2 Soil Sample Laboratory Analysis

A total of 20 soil samples were submitted to a state-certified laboratory for analysis. Ten soil samples collected from direct-push borings advanced in the vicinity of the former used oil tank

cavity were analyzed for VOCs, PAHs, lead and cadmium. Eight soil samples collected from direct-push borings located in the vicinity of the closed in place gasoline USTs were analyzed for VOCs and lead. Due to sample breakage, resampling was conducted at soil boring DP-7 to collect soil samples for VOCs. One soil sample collected from SB-1 was analyzed for PVOCs and naphthalene.

One or more organic contaminants were found to be present in 12 of the 20 soil samples collected from the site and analyzed. All of the organic contaminants detected were petroleum related compounds with the exception of tetrachloroethene (PCE), which was detected in one of the 20 soil samples. Lead was detected in all 18 of the samples analyzed. Cadmium was detected in one of the ten soil samples for which it was analyzed. The soil sample laboratory results are summarized on Table 3. The laboratory reports are provided in Appendix B.

4.3 Discussion

MEC evaluated all of the Phase II ESA, TSSA and site investigation soil sample results using the most recent (December 2018) WDNR spreadsheet for determining RCL exceedances for both direct contact and groundwater protection.

None of the lead or cadmium concentrations exceeded RCLs. Of the 10 soil samples collected from within the direct contact exposure zone (0 to 4 feet bls) only one sample, SS-1 collected from the bottom of the used oil UST excavation during the TSSA, exhibited a contaminant concentration exceeding a direct contact RCL. Sample SS-1 collected at 4 feet bls exhibited a naphthalene concentration exceeding the RCL for non-industrial direct contact exposure.

Five soil samples collected from the unsaturated zone exhibited contaminant concentrations exceeding RCLs protective of groundwater. All of the contaminants exceeding groundwater protection RCLs were petroleum related VOCs and PAHs except for the chlorinated VOC, PCE present in one sample collected from soil boring DP-6.

Soil contamination exceeding direct contact RCLs has been defined and is limited to the immediate area of the former used oil tank cavity. The distribution of soil contamination exceeding groundwater protection RCLs is limited to the source area between the three gasoline USTs closed in place, the former used oil tank cavity and the immediately adjacent portion of the 33rd Avenue ROW. The distribution of soil contamination exceeding RCLs is illustrated in plan-view on Figure 7 and 8 and in cross-sectional view on Figure 5 and 6.

Based on the moderate to strong odors and elevated PID readings noted in the soil cores in the source area and the relative absence of lighter end VOCs, such as benzene and the prevalence of heavier end VOCs, such as naphthalene and the trimethylbenzenes, the petroleum soil contamination appears to be highly weathered.

5.0 GROUNDWATER INVESTIGATION

5.1 Field Activities

On December 12, 2016 and January 10, 2017, temporary groundwater sampling points were installed in all nine of the direct-push soil borings advanced at the site. The temporary sampling points consisted of 1-inch PVC riser and 5 feet of screen extending to depths of 15 to 16 feet bls. Groundwater samples (DP-1W to DP-9W) were collected from each of these temporary sampling locations. The direct-push soil boring and temporary groundwater sampling locations are illustrated on Figures 2 through 4.

On May 14, 2018, five groundwater monitoring wells (MW-1 to MW-5) were installed at the site. The screened sections for all five wells extended from approximately 6 to 16 feet bls. The wells were developed on May 23, 2018. The monitoring well construction details and development forms are provided in Appendix A.

All five of the site monitoring wells, as well as MW-8 associated with the Mueller's Auto site at 3300 – 60th Street, were purged and sampled on June 6, 2018. Prior to purging the wells, depth to water level and total well depth measurements were collected at each well in order to determine well volumes, groundwater elevations and flow direction. The monitoring well elevations were surveyed on July 11, 2018.

On December 11, 2018, two HSA soil borings (SB-6 and SB-7) were advanced down-gradient from the site at 3213 60th Street, in the middle of the 3200 block of 60th Street, in order to install monitoring wells MW-6 and MW-7. The screened intervals for both wells extended from 6 to 16 feet bls. Monitoring wells MW-6 and MW-7 were developed on December 13, 2019 and sampled on December 20, 2019. The elevations of the two new wells were surveyed on February 1, 2019.

On June 13, 2019, all seven Suggar Property monitoring wells were sampled for a second time. All nine wells associated with the Mueller's Auto site across 60th Street to the north were also sampled the same day in order to provide the most optimal comparisons of groundwater quality, elevation and flow direction data in the area of the two sites.

On January 14, 2020, soil boring SB-9 was advanced and monitoring well MW-9 was installed and developed. The well was installed on the property at 3203 - 60th Street, near the southwest corner of the intersection of 60th Street and 32nd Avenue and downgradient from monitoring wells MW-6 and MW-7. The screened interval extended from 8.5 to 18.5 feet bls. Monitoring well MW-9 was sampled on January 22, 2020.

Development and purge water generated by the groundwater investigation activities was stored in 55-gallon drums prior to proper disposal.

5.2 Groundwater Sample Laboratory Analysis

A total of nine groundwater grab samples (DP-3W to DP-11W) from the temporary groundwater sampling points were submitted to a state-certified laboratory and analyzed for VOCs. During two rounds of sampling a total of sixteen groundwater samples were collected from the Suggar Property monitoring wells and from MW-8 associated with the Mueller's Auto site. Monitoring well MW-9 was sampled once. The groundwater monitoring well samples were analyzed for PVOCs and naphthalene.

One or more contaminants were found to be present in four of the nine temporary groundwater sampling point samples collected from the site and analyzed. One or more contaminants were detected in five of the nine groundwater monitoring wells sampled during the sampling rounds. The groundwater sample laboratory results are summarized on Tables 4 through 6. The laboratory reports are provided in Appendix B.

5.3 Discussion

Groundwater sampling results revealed that the groundwater contamination exceeding groundwater quality standards extends from within the source area on site between the former pump island and former used oil tank locations and to down-gradient areas offsite beneath the 33rd Avenue right-of-way and beyond to monitoring wells MW-6 and MW-7 in the middle of the

3200 block of 60th Street. Down-gradient monitoring MW-9 exhibited no contaminant concentrations above MDLs, thus providing definition of the extent of the groundwater plume.

PCE was present in one on-site soil sample collected from soil boring DP-6 at a concentration exceeding the groundwater protection RCL. However, PCE was not detected in the groundwater sample from DP-6 or in any other groundwater samples collected at the site.

The over-all extent of groundwater quality standard exceedances is illustrated in plan-view on Figures 13 and 14, as well as in cross-sectional view on Figures 5 and 6.

Chloromethane was detected in the two groundwater grab samples (DP-1W and DP-2W) collected as part of the phase II ESA at the site at concentrations exceeding the PAL. However, chloromethane has not been detected in groundwater at any of the other groundwater sampling points. Chloromethane is the only non-petroleum related VOC detected in groundwater at the site. Chloromethane can form where chlorine, such as that from municipal water, coincides with decaying organic material. The groundwater grab sample results are summarized on Table 4.

Two rounds of groundwater sampling at all of the site wells except MW-9 (one round) exhibit concentrations that are stable to decreasing. In addition, nine rounds of groundwater monitoring at MW-8 from 2008 to 2019 exhibit concentrations decreasing from exceeding ESs to exceeding only preventive action limits (PALs). Therefore, the overall groundwater plume is stable to decreasing in extent and concentration. The monitoring well groundwater sample results are summarized on Table 5 with all nine rounds of sample results from MW-8 summarized on Table 6.

Based on the low levels of lighter end VOCs, such as benzene and the prevalence of heavier end VOCs, such as naphthalene and the trimethylbenzenes, the petroleum groundwater contamination appears to be highly weathered. Groundwater contamination exceeding ESs has been defined.

Groundwater at the site is present within the sand/silt layer. Apparent saturated conditions were observed in the direct-push soil borings at depths ranging from approximately 9 to 12 feet bls. Water depths in the monitoring wells range from approximately 9.8 to 12.3 feet bls.

Groundwater flow in the vicinity of the Suggar Property is toward the east-northeast and appears to be influenced by deep utility trenches beneath 60th Street that are likely acting as preferred conduits for groundwater migration. However, with numerous sites of petroleum

contamination in the area, including upgradient from the site, differentiating the sources of such contamination would be exceedingly difficult, expensive and unproductive. The groundwater flow direction at the site is illustrated on Figures 10 through 12.

6.0 ONSITE VAPOR INTRUSION INVESTIGATION

MEC conducted a vapor intrusion screening for the on-site building in accordance with the January 2018 WDNR guidance document RR800. The assessment determined that the TSSA sampling results for the used oil tank removed from the site in December 2010 revealed a soil benzene concentration in soil sample SS-1 exceeding 700 ug/kg adjacent to the building foundation. This indicated that there was less than five feet of clean, unsaturated soil between the residual petroleum contamination and the building, which precluded elimination of the potential for vapor intrusion, thus triggering the need for a vapor intrusion investigation.

Subsequent to collection of the first sub-slab vapor sample, MEC became aware that there is a sub-grade basement area in the southwest corner of the structure below both the shop area and the apartment, leading to the need to collect a second sub-slab sample from the basement.

6.1 Field Activities

On June 6, 2018, a sub-slab vapor sample (VP-1) was collected from beneath the concrete slab-on-grade floor in the shop area of the building, immediately adjacent to the former used oil UST location and TSSA sample SS-1. The vapor sampling location was also proximal to soil boring DP-6 where PCE was present in a soil sample that exceeded the groundwater protection RCL. The vapor sampling location is illustrated on Figures 2 through 4.

A hammer drill was used to core through the concrete floor slab in the automobile service garage area adjacent to the former used oil UST cavity, about 10 feet west of TSSA soil sample SS-1 location. A brass sampling point with a gasket seal was advanced through the slab and into the top of the gravel sub-slab base course using a deadfall hammer.

The water dam method was used to ensure that the seal around the sampling point was tight and that the sample would include only air from beneath the concrete floor slab. A cap was placed over the nipple of the sampling point and non-VOC containing clay was placed around

the sampling point and filled with water. The water was allowed to stand for one minute and was observed to maintain a consistent level, indicating a tight seal with no leakage through the floor.

A four-gas meter with a PID was used to screen the sub-slab air. A below normal atmospheric oxygen level of 16.3 percent was noted along with a VOC vapor reading of 6 ppm. No detectable carbon monoxide, hydrogen sulfide or lower explosive limit readings were observed.

Teflon tubing supplied by the laboratory was then used to connect the sampling point to the sampling device. The sampling device used was a six-liter stainless steel vacuum canister with an inert interior coating designed to collect an air sample. The canister was prepared by the laboratory, certified as clean and evacuated to induce a vacuum of -30 inches of mercury (Hg). The canister was fitted with a vacuum gauge and regulator calibrated to collect the air sample at a rate of 200 ml per minute, resulting in a 30-minute duration of sample collection.

The sampling event began at 11:03 AM when the toggle valve on the canister was opened. The pressure gauge on the regulator indicated an initial vacuum of -29.5 inches of Hg. The sampling event was discontinued at 11:33 AM when the pressure gauge indicated a final vacuum of 0 inches of Hg. Upon completion, the sampling point was removed and the hole in the concrete slab was sealed with cement.

On June 5, 2019 a sub-slab vapor sample (SPV-1) was collected to assess the potential for VOC contaminated vapor intrusion into the basement of building beneath the apartment and housing the furnace serving the apartment. The sampling was conducted in the same manner as that described above for sample VP-1. The sampling began at 10:58 AM with a vacuum reading of -27 inches Hg and ended at 11:28 AM with a final vacuum reading of -7 inches Hg. The sampling location was in the northeast corner of the basement, closest to the onsite contaminant sources. The location of the vapor sampling probe is illustrated on the attached Figures 2 through 4.

6.2 Vapor Sample Laboratory Analysis

The vacuum canisters, sample VP-1 and SPV -1, were shipped back to the laboratory for analysis of VOC using method TO-15. The vapor sample analytical results for VP-1 indicated the presence of 14 VOC constituents. The SPV-1 vapor sample analytical results indicated the presence of nine VOC constituents.

6.3 Discussion

The VOC concentrations were compared with the WDNR Quick Lookup Table for indoor air vapor action levels and vapor risk screening levels. All of the VOC concentrations exhibited by sample VP-1 were below the small commercial vapor risk screening levels (VRSLs) for those compounds included on the Quick Lookup Table. The laboratory results are summarized on Table 8. The laboratory report is provided in Appendix B.

One compound (naphthalene) in sample VP-1 exhibited a concentration of 28.6 micrograms per cubic meter (ug/m^3), slightly above the VRSL of $28 \text{ ug}/\text{m}^3$. The naphthalene concentration was well below the small commercial VRSL of $120 \text{ ug}/\text{m}^3$. All other detected parameters were at concentrations well below VRSLs.

Although small commercial VRSLs, which were not exceeded, apply to the service garage, the residential VRSLs apply to the apartment in the building. Therefore, the naphthalene concentration constitutes an exceedance of the residential VRSL with respect to the residential apartment. The apartment is located on the second floor at the rear (south end) of the building, away from the source areas. The south end of the shop area is located beneath the apartment and the possibility of vapor intrusion of the apartment was initially screened out based on this intervening space. However, MEC became aware that there is a sub-grade basement area in the southwest corner of the structure below both the shop area and the apartment. The basement houses the forced air furnace for the apartment with a chimney that runs up through the apartment, discharging above the roof. The municipal water/plumbing connections and water heater for the apartment, as well as the sanitary sewer drains are also located in this basement.

The basement is accessed through a stairway that leads to a first-floor attached garage, which has an overhead car door leading outside and a door leading to the stairwell accessing the second-floor apartment. No sump is present in the basement. According to Jose Ochoa, the site owner, the basement is dry. No evidence of groundwater seeps were observed by MEC. Air conditioning for the apartment is provided by second floor window air conditioners. The basement configuration is depicted on Figures 2 through 4.

In light of the naphthalene residential VRSL exceedance below the building and the presence of the subgrade basement with the furnace and utilities as well as the interior access from the

basement to the second-floor apartment, MEC determined that sub-slab vapor sampling of the basement was warranted, which was conducted by the collection of sample SPV-1.

The VOC concentrations were compared with the WDNR Quick Lookup Table for indoor air vapor action levels and vapor risk screening levels. All of the VOC concentrations exhibited by sample SPV-1 were below both the residential and small commercial vapor risk screening levels for those compounds included on the Quick Lookup Table. The laboratory results are summarized on Table 8. The laboratory reports are provided in Appendix B.

7.0 OFFSITE VAPOR INTRUSION ASSESSMENT

7.1 Assessment Activities

MEC conducted a survey of the basements of buildings located on the south side of 60th Street within the 3200 block of 60th Street in Kenosha, Wisconsin. The basement survey was conducted to evaluate the depths of the basements and type of construction, along with the presence of odors, floor and wall cracks, penetrations such as sumps and drains, and for the occurrence of dampness or water seeps to assist in screening for the potential of contaminated vapor or groundwater intrusion into the structures. The nature of the mechanical systems present in the basements and serving the buildings was also assessed.

A PID and four-gas meter was used to screen the atmospheres within the basements as well as any sumps, drains or other foundation penetrations for volatile organic vapors and percent of the lower explosive limits.

The basement survey was conducted prior to planned sub-slab vapor sampling of the basement onsite at the Suggar Property so that if additional sub-slab vapor sampling was warranted, such sampling could be conducted during one field mobilization. The layout of the basements is illustrated on Figures 2, 5 and 6.

3221 – 60th Street: This one-story building is located at the southeast corner of the intersection of 60th – Street and 33rd Avenue, across 33rd Avenue and directly down-gradient from the Suggar Property. The property is occupied by Our Kenosha Tap, a bar and restaurant.

The building has two separate basement areas, east and west, both of which extend to approximately eight feet below land surface. Both sections have exterior walls of poured concrete with concrete block and brick walls in the interior portions and poured concrete floors. A small section of the western basement extends beneath a ground floor apartment attached to the south end of the bar/restaurant building. Two remaining attached ground floor apartments are of concrete slab-on-grade construction with no basement beneath. The basements are used for storage with a small office located at the north end of the western basement. The building is served by natural gas forced air heat.

Three floor drains were observed in the western basement and one in the eastern basement. The basements in general and the floor drains specifically were screened for volatile organic vapors and lower explosive limit with a PID and four-gas meter. No elevated readings and no odors were observed. No sumps were present and no cracks or water seeps were noted. According to the occupant the basement remains dry.

3215 – 60th Street: This one-story building is located adjacent to the east of the bar/restaurant building at 3221 – 60th Street. The building is occupied by Renwood Messenger, a music recording studio.

The building has a full basement and an additional basement room that extends beneath the northwest corner of the building adjacent to the east. The basement extends to approximately eight feet below land surface. The exterior walls are poured concrete with concrete block, brick and wood-frame walls in the interior portions and a poured concrete floor. A small section of the concrete floor in the southwestern portion of the basement has deteriorated, exposing sand beneath. The basement is used for music recording and rehearsal. The building is served by natural gas forced air heat.

Two floor drains were observed, one in the southwestern portion and one in the southeastern portion of the basement. The basement in general and the floor drains specifically were screened for volatile organic vapors and lower explosive limit with a PID and four-gas meter. No elevated readings and no odors were observed. No sumps were present and no cracks or water seeps were noted, other than the floor in the southwestern corner. According to the occupant the basement remains dry.

3203 – 60th Street: This one-story building is located adjacent to the east of the recording studio building at 3215 – 60th Street. The building is occupied by Westown Foods, a grocery and convenience store.

The building has a basement in the southwest corner and a basement room occupied by Renwood Messenger to the west that extends beneath the northwest corner of the building. An additional basement area is located on the east end of the building. According to the building owner there is no basement beneath the central portion of the building. The basements extend to approximately eight feet below land surface. The exterior walls are poured concrete with concrete block and brick walls in the interior portions and poured concrete floors. The basements are used for storage. The building is served by natural gas forced air heat.

No floor drains were observed in the southwest corner basement. Three floor drains were observed in the eastern basement. The basements in general and the floor drains specifically were screened for volatile organic vapors and lower explosive limit with a PID and four-gas meter. No elevated readings and no odors were observed. No sumps were present and no cracks or water seeps were noted. According to the owner the basement remains dry.

7.2 Discussion

With depth to groundwater ranging between about 10 and 11 feet bls, the water table does not intersect the foundations, with approximately two to three feet of separation between the floor and the water table. No evidence groundwater of vapor intrusion was noted in any of the basements.

8.0 OFFSITE VAPOR INTRUSION SCREENING

Midwest Environmental Consulting (MEC) completed vapor intrusion screening for buildings in the 3200 block of 60th Street, downgradient of the above-referenced site. The buildings are located to the east, across 33rd Avenue from the site, on the south side of 60th Street. Existing soil and groundwater data were reviewed to assess the potential for PVOC vapor intrusion of the buildings. No Chlorinated volatile organic compounds (CVOCs) have been detected in groundwater adjacent to the buildings and therefore, CVOCs were eliminated for consideration for potential vapor intrusion downgradient from the site.

The screening was conducted in accordance with the January 2018 WDNR guidance document RR-800. The purpose of the screening was to determine if a vapor intrusion investigation of these buildings, to include sampling and analysis, was necessary. The situations where a vapor

investigation is recommended according to the guidance document were evaluated, as discussed below.

Non-aqueous phase liquid (NAPL) indicators: NAPL also referred to as free product, has not been observed in any of the monitoring wells at the Suggar Property site or at the Muellers Auto Sales and Service site to the northwest at 3300 60th Street. Five soil boring/monitoring wells are located in close proximity to the buildings in question, SB-1/MW-1, SB-6/MW-6, SB-7/MW-7, SB-8/MW-8 and SB-9/MW-9. Soil samples collected from locations SB-1/MW-1 and MW-8 and laboratory analyzed did not exhibit contaminant concentrations exceeding NAPL indicators or residual contaminant levels (RCLs). As a consequence, soil samples were not collected for laboratory analysis from the subsequently advanced, downgradient borings SB-6/MW-6, SB-7/MW-7 or SB-9/MW-9. However, a PID reading greater 500 ppm was observed during field screening of a split-spoon sample from the top of the saturated zone. This soil core from the 12 to 14-foot depth interval in boring location SB-7/MW-7 exhibited a PID reading of 673 ppm and a response of 10 percent of the lower explosive limit (LEL). However, with highly weathered gasoline and a 673 ppm PID reading it is unlikely that concentrations approach the LEL and it seems likely that the response may have been an instrument malfunction or interference issue.

Monitoring well MW-7 is located 8 feet to the north of the building at 3215 – 60th Street, which is the Renwood recording studio with basement studios. A PID reading exceeding 500 ppm is considered to be an indicator of the presence of NAPL per the guidance. However, MW-7 has been checked for the presence of free product on four occasions with none observed. As a consequence, free product is not present and therefore, this avenue of vapor intrusion can be eliminated as a concern.

Building has less than 5 feet of separation from groundwater with benzene exceeding 1,000 ug/l: At approximately 10 to 12 feet below land surface (bls), the groundwater table is within the five-foot distance listed in the guidance as presenting a risk of intrusion. The basements in all the buildings in question are approximately 8 feet deep. However, the highest benzene concentration near the buildings was observed at groundwater monitoring well MW-7 at 79.2 ug/l, well below the 1,000 ug/l screening threshold for groundwater beneath a building, as stipulated in the guidance document. As a consequence, this potential pathway for vapor intrusion can be dismissed per the guidance.

Benzene exceeding the preventive action limit in contact with foundation or entering the building: Benzene concentrations in all four wells near the building foundations exceed PALs. However, the 8-foot deep building foundations are approximately 2 to 4 feet above the water

table. In addition, the March 2019 basement survey did not indicate the occurrence of groundwater infiltration of the foundations based on both observations and occupant responses. Therefore, contaminated groundwater is below the foundations and this avenue for vapor intrusion can be eliminated as a concern.

PVOC impacted soil with potential for off-gassing: As indicated in the NAPL section above, soil samples collected from locations SB-1/MW-1 and MW-8 and analyzed did not exhibit contaminant concentrations exceeding NAPL indicators. In addition, PID field screening for the boring locations near the buildings in question indicated an absence of significant contamination within the unsaturated zone. Therefore, this avenue for vapor intrusion can be eliminated as a concern.

Utilities with petroleum volatile organic compound (PVOC) vapors: The bottom of the sanitary sewer line beneath 33rd Avenue is at approximately 12 feet bls and therefore, the trench intersects the water table and crosses the groundwater contamination plume making it and its service laterals a potential conduit for vapors. However, based on the March 2019 Basement Survey, there is no evidence that the utility trenches serving the buildings exhibit odors or are conduits for vapor migration into the buildings. The basement atmospheres generally, and all floor drains specifically, were screened for volatile organic vapors with a PID. No elevated PID readings were observed. In addition, as discussed previously, benzene levels in the groundwater in this area as evidenced by samples from MW-1, MW-6, MW-7, MW-8 and MW-9 are well below the 1,000 ug/l threshold per the guidance and the water table is below the base of the foundations.

PVOC odors: Based on the March 2019 Basement Survey of the buildings, no odors were evident and have reportedly not been present within the buildings in question, according the occupants.

8.1 Discussion

Based on both the offsite basement vapor intrusion assessment (Section 7.0) and the offsite vapor intrusion screening discussed above, performance of a vapor intrusion investigation was determined to be unwarranted per WDNR guidance.

9.0 INVESTIGATIVE WASTE DISPOSAL

Soil cuttings as well as well development and purge waters were stored in 55-gallon drums pending proper disposal. Over the course of the site investigation a total of nine soil drums and six water drums were disposed. There were no contaminant detections in the sample from MW-9. As a consequence, the drummed purge and development water was dumped out. The waste manifests are provided in Appendix C.

10.0 SUMMARY AND CONCLUSIONS

Midwest Environmental Consulting (MEC) has completed site investigation activities at the Suggar Property site at 3301 – 60th Street in Kenosha, Wisconsin.

Soil contamination exceeding RCLs has been defined and is confined to the eastern portion of source property and the immediately adjacent portion of the 33rd Avenue right-of-way. Groundwater contamination exceeding GQSs is present on the eastern portion of the site and extends beneath 33rd Avenue to monitoring wells MW-6 and MW-7 in the middle of the south 3200 block of 60th Street.

Two rounds of groundwater sampling at all of the site wells except MW-9 (one round) exhibit concentrations that are stable to decreasing. In addition, nine rounds of groundwater monitoring at MW-8 from 2008 to 2019 exhibit concentrations decreasing from exceeding ESs to exceeding only PALs. Therefore, the overall groundwater plume is stable to decreasing in extent and concentration.

Groundwater flow in the vicinity of the Suggar Property is toward the east-northeast and appears to be influenced by deep utility trenches beneath 60th Street that are likely acting as preferred conduits for groundwater migration. However, with numerous sites of petroleum contamination in the area, including upgradient from the site, differentiating the sources of such contamination would be exceedingly difficult, expensive and unproductive.

Vapor assessment and investigation activities, including collection of two sub-slab vapor samples onsite have demonstrated that vapor intrusion of the on-site building is not occurring and the buildings down gradient are not at risk for vapor intrusion.

Due to the age of the release, the petroleum contamination at the site is highly weathered. The lighter end components have degraded in both soil and groundwater to levels below MDLs or to low level detections at nearly all sampling locations.

In light of the above, it is MECs opinion that natural attenuation will bring groundwater contamination at the site into compliance with groundwater quality standards over time. Therefore, case closure is warranted based on the notification of the owners of three affected properties on the 3200 block of 60th Street as well as the City of Kenosha for the adjacent 33rd Avenue right-of-way. A Cap Maintenance Plan will be developed for the source property, requiring maintenance and inspection of the existing concrete pavement that covers the entire site.

11.0 CERTIFICATION

This Site Investigation Report has been prepared in accordance with generally accepted engineering and hydrogeologic principles and practices of this time and location. The evaluations and recommendations presented in this report were developed from a consideration of the project characteristics and an interpretation of available geologic, hydrogeologic, boring and analytical data generated by Midwest Environmental Consulting, LLC and by others. Midwest's description of the subsurface conditions is based on interpretation of the soil boring and monitoring well data using normally accepted geologic/hydrogeologic practices and reasonable professional judgment. Although boring and monitoring well data are considered to be representative of the subsurface conditions at the precise locations on the dates shown, they are not necessarily indicative of the subsurface conditions at other locations and/or at other periods of time.


Hydrogeologic representations and chemical distribution contours are approximate. They were generalized from and interpolated between the sampling locations. Information on actual hydrogeologic conditions and chemical concentrations exists only at the specific sampling locations, and it is possible that conditions between sampling locations may vary from those indicated. Variations in soil and groundwater conditions typically exist at most sites between sampling locations and at different times, the extent of which may not become evident without further exploration or excavation. If variations are noted in the future, MEC should be informed. It may be necessary to conduct additional exploration activities to determine the characteristics of these variations and provide an opportunity to make a re-evaluation of the conclusions in this report.

Midwest's professional services have been performed, findings obtained, and recommendations prepared in accordance with generally accepted engineering and hydrogeologic principles and practices. This warranty is in lieu of all other warranties either implied or expressed. Midwest Environmental Consulting assumes no responsibility for data or interpretations made by others. Midwest assumes responsibility for the accuracy of the reports contents subject to what is stated elsewhere in this section but recommends that the report be used only for the purpose intended by the client and MEC when the report was prepared. The report may be unsuitable for other uses, and reliance on its contents by anyone other than the client is done at the sole risk of the user. Midwest accepts no responsibility for application or interpretation of the results by anyone other than the client.

The conclusions presented herein have been developed from consideration of the project characteristics and interpretation of available information. Because only limited information is available, Midwest reserves the right to modify future site activities based on subsequent findings. The conclusions contained in this Site Investigation Report represent MEC's professional opinion.

This Site Investigation Report was prepared by Midwest Environmental Consulting, LLC

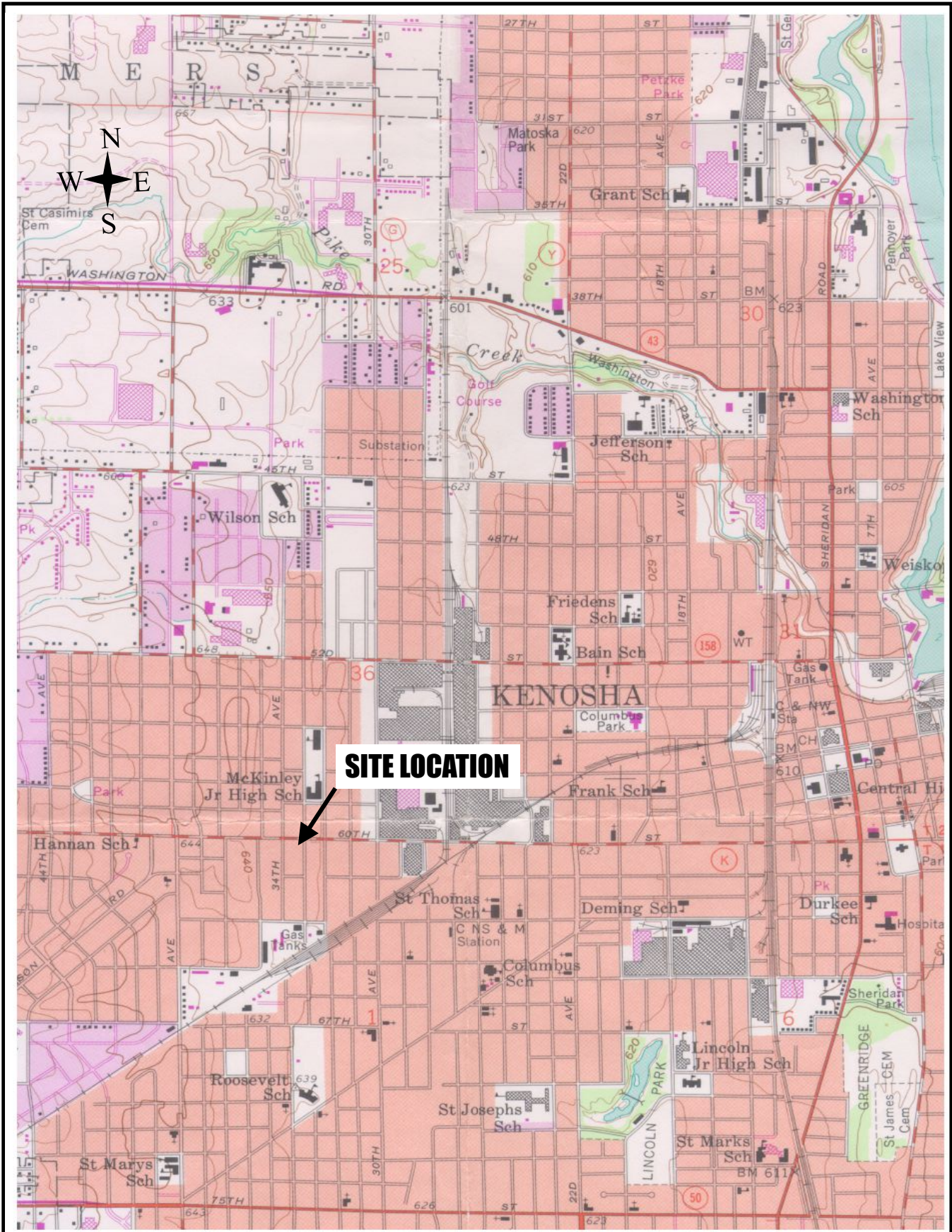
I, Sean Cranley, hereby certify that I am a hydrogeologist as that term is defined in chapter NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in Chapters NR 700 to 750, Wis. Adm. Code.



Sean Cranley, P.G.
Principal Hydrogeologist



FIGURES



Site Location Map	
Date Approved:	Figure
Date Drawn: 3/5/20	1
Scale: 3/5/20	1 of 14
Drawn By: Not Scaled	
S. Cranley	

Project Title and Address

FIGURE 1 SITE LOCATION MAP

**Suggar Property
3301 60th Street
Kenosha, WI 53144**



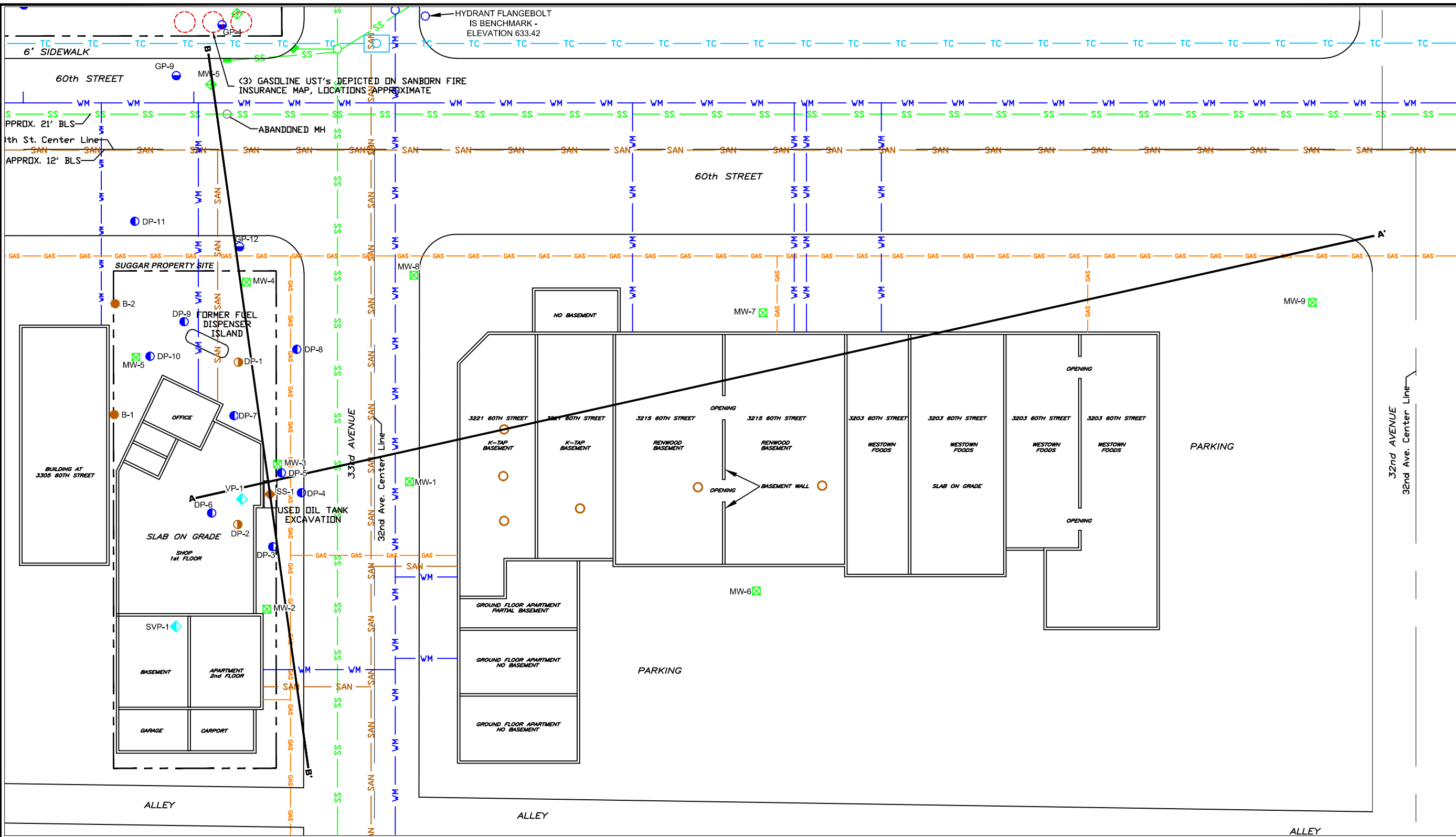


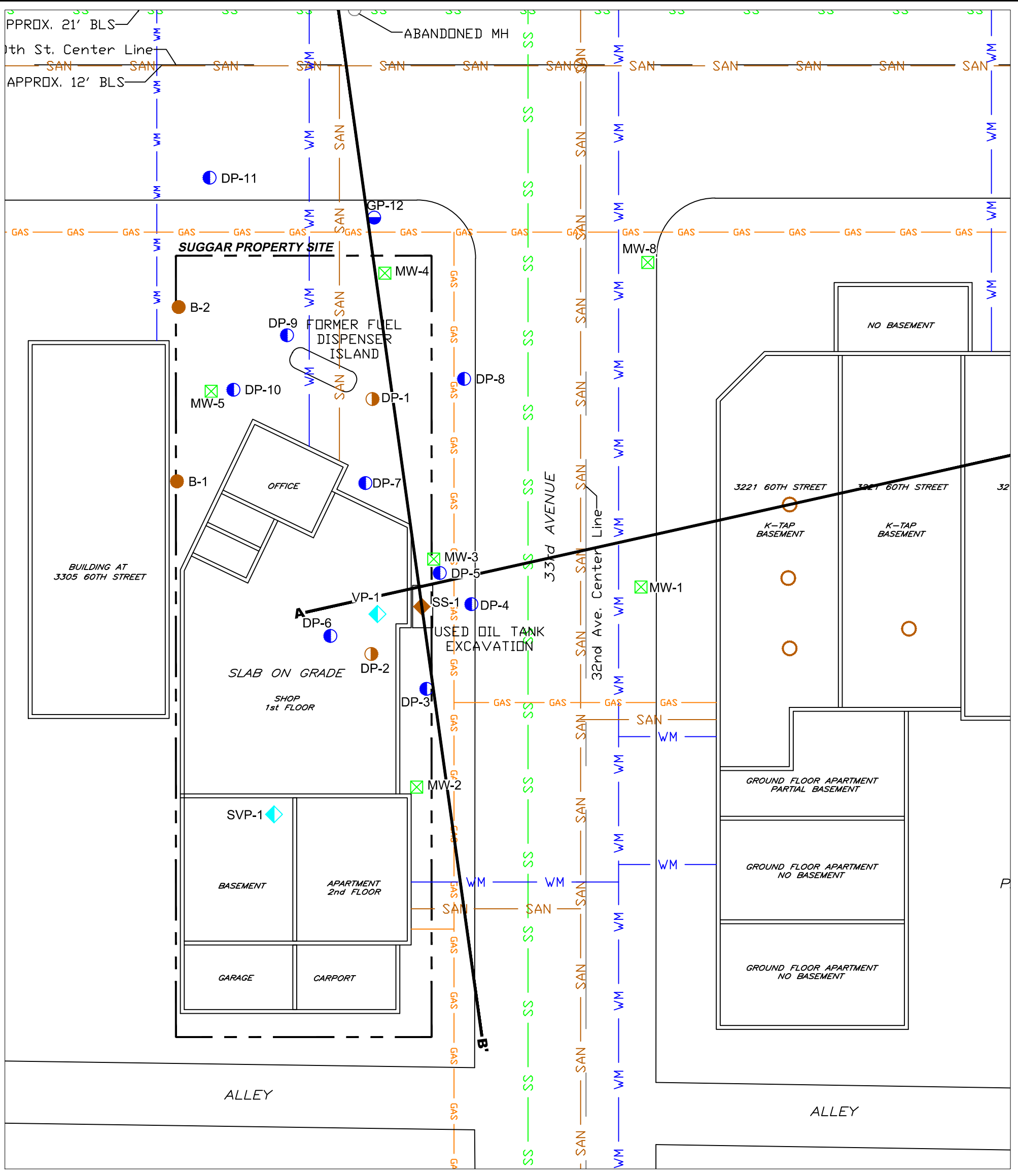
FIGURE 2
SITE SAMPLING LOCATIONS
SUGGAR PROPERTY
3301 60TH STREET
KENOSHA, WISCONSIN

LEGEND

- ☒ - SUGGAR GROUNDWATER MONITORING WELL LOCATION
- ◇ - MUELLERS GROUNDWATER MONITORING WELL LOCATION
- - SUGGAR DIRECT-PUSH SOIL BORING LOCATION
- - SUGGAR DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- - MUELLERS DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- ◇ - SUGGAR SUB-SLAB VAPOR SAMPLING LOCATION
- ◆ - TANK CLOSURE SOIL SAMPLE LOCATION
- - 3305 60th STREET PHASE II SOIL BORING LOCATION
- - FLOOR DRAIN
- GAS — - GAS
- ELEC — - ELECTRICAL
- WM — - WATER
- SAN — - SANITARY SEWER
- SS — - STORM SEWER
- TC — - TELECOM

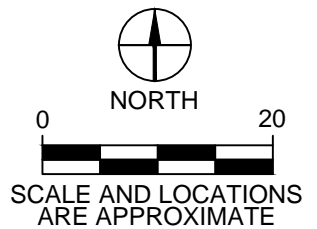


Approved By: S. Cranley	Figure 2
Date Approved: 3/5/2020	2 of 14
Date Drawn: 3/5/2020	
Drawn by: R. Schwartz	



LEGEND

- - MUELLERS DIRECT-PUSH SOIL BORING LOCATION
- - MUELLERS DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- ◆ - MUELLERS SUB-SLAB VAPOR SAMPLING LOCATION
- ◆ - MUELLERS GROUNDWATER MONITORING WELL LOCATION
- - SUGGAR DIRECT-PUSH SOIL BORING LOCATION
- - SUGGAR DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- ◆ - SUGGAR SUB-SLAB VAPOR SAMPLING LOCATION
- ◆ - SUGGAR GROUNDWATER MONITORING WELL LOCATION
- ◆ - TANK CLOSURE SOIL SAMPLE LOCATION
- - 3305 60th STREET PHASE II SOIL BORING LOCATION
- - FLOOR DRAIN
- GAS — - GAS
- ELEC — - ELECTRICAL
- WM — - WATER
- SAN — - SANITARY SEWER
- SS — - STORM SEWER
- TC — - TELECOM



Midwest Environmental Consulting, LLC
262-237-4351

Approved By: S. Cranley	Figure 3
Date Approved: 3/5/2020	3 of 14
Date Drawn: 3/5/2020	
Drawn by: R. Schwartz	

FIGURE 3

SITE SAMPLING LOCATIONS CLOSEUP

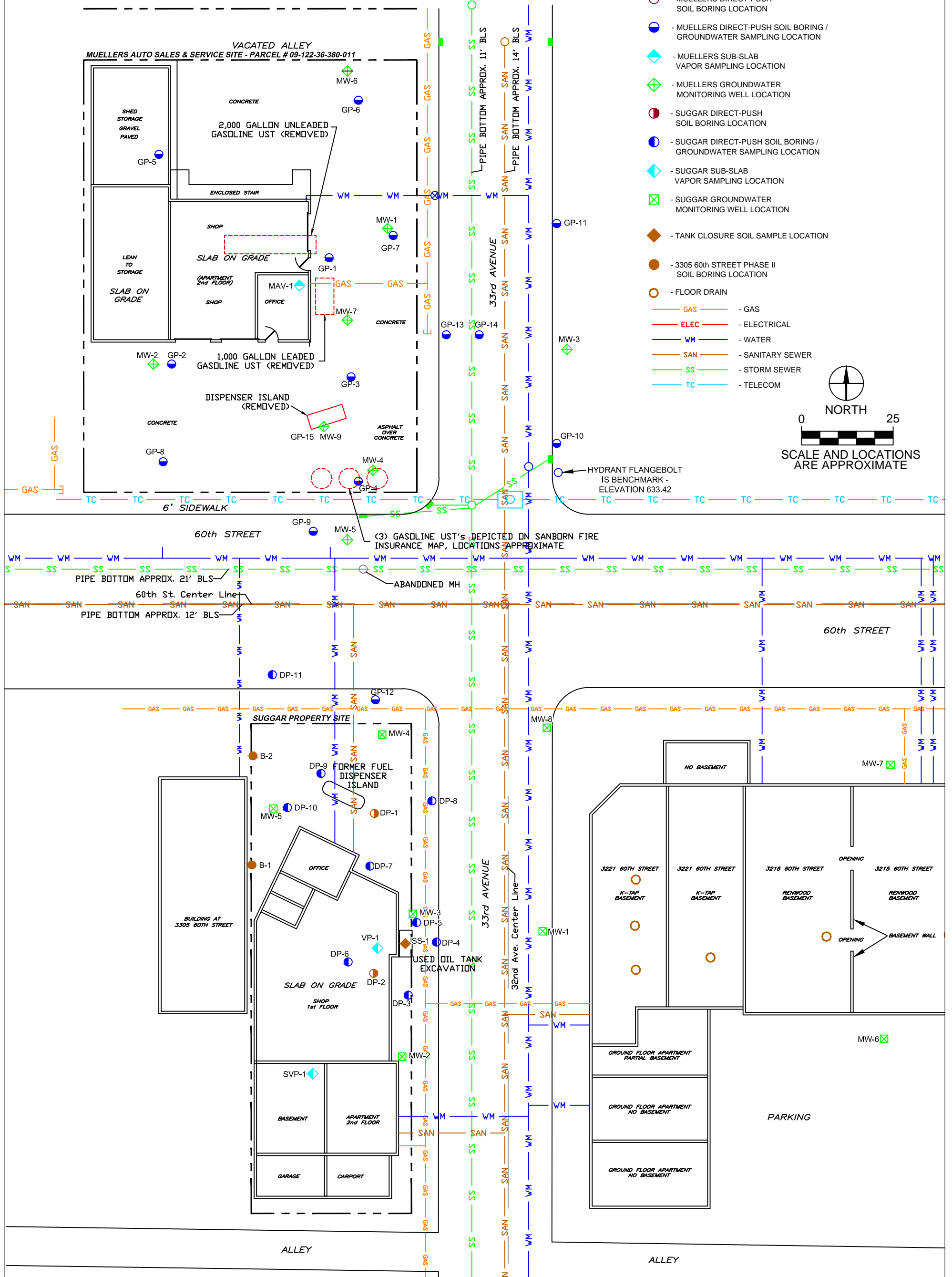
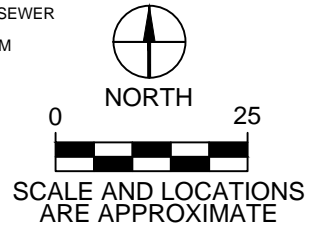
SUGGAR PROPERTY

3300 & 3301 60TH STREET
Kenosha, WI 53142

LEGEND

- MUELLERS DIRECT-PUSH SOIL BORING LOCATION
- MUELLERS DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- MUELLERS SUB-SLAB VAPOR SAMPLING LOCATION
- MUELLERS GROUNDWATER MONITORING WELL LOCATION
- SUGGAR DIRECT-PUSH SOIL BORING LOCATION
- SUGGAR DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- SUGGAR SUB-SLAB VAPOR SAMPLING LOCATION
- SUGGAR GROUNDWATER MONITORING WELL LOCATION
- TANK CLOSURE SOIL SAMPLE LOCATION
- 3305 60th STREET PHASE II SOIL BORING LOCATION
- FLOOR DRAIN

- GAS
- ELEC
- WM
- SAN
- SS
- TC

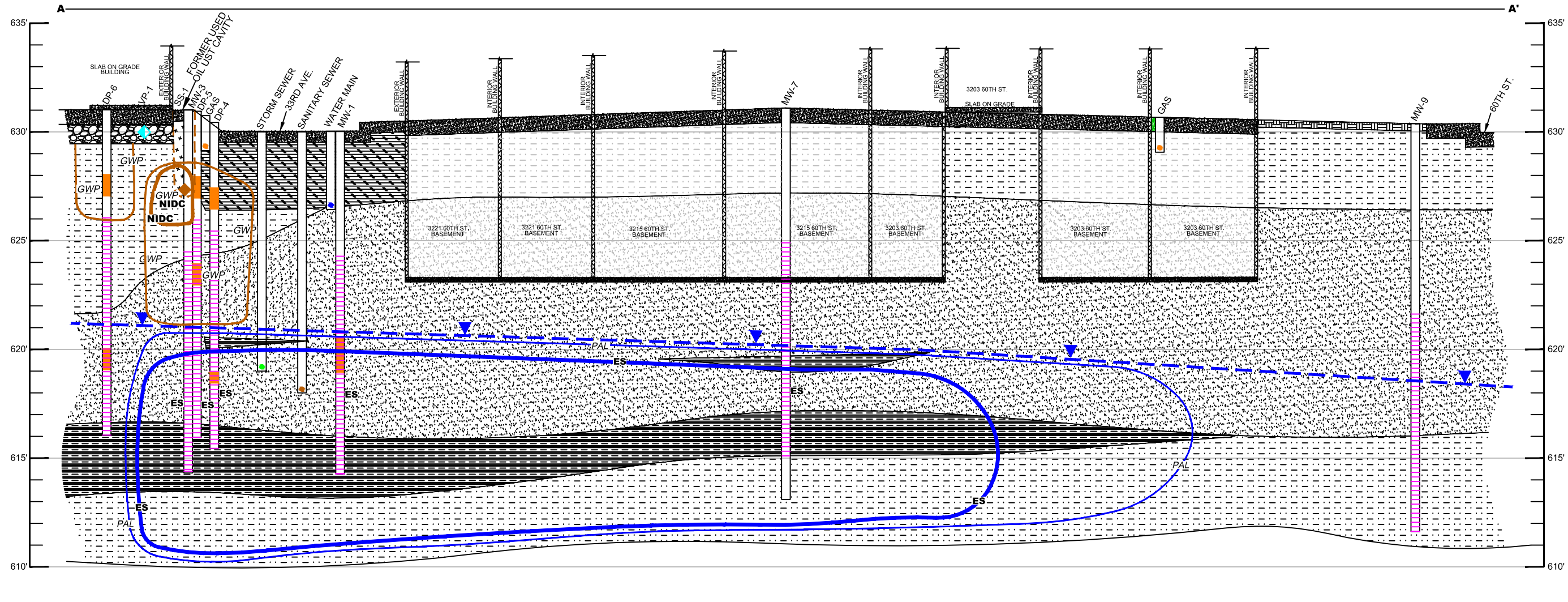


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Approved By: S. Cranley	Figure 4
Date Approved: 3/5/2020	
Date Drawn: 3/5/2020	4 of 14
Drawn by: R. Schwartz	

FIGURE 4
SITE SAMPLING LOCATIONS
SUGGAR PROPERTY, MUELLERS AUTO SALES & SERVICE
 3300 & 3301 60TH STREET
 Kenosha, WI 53142

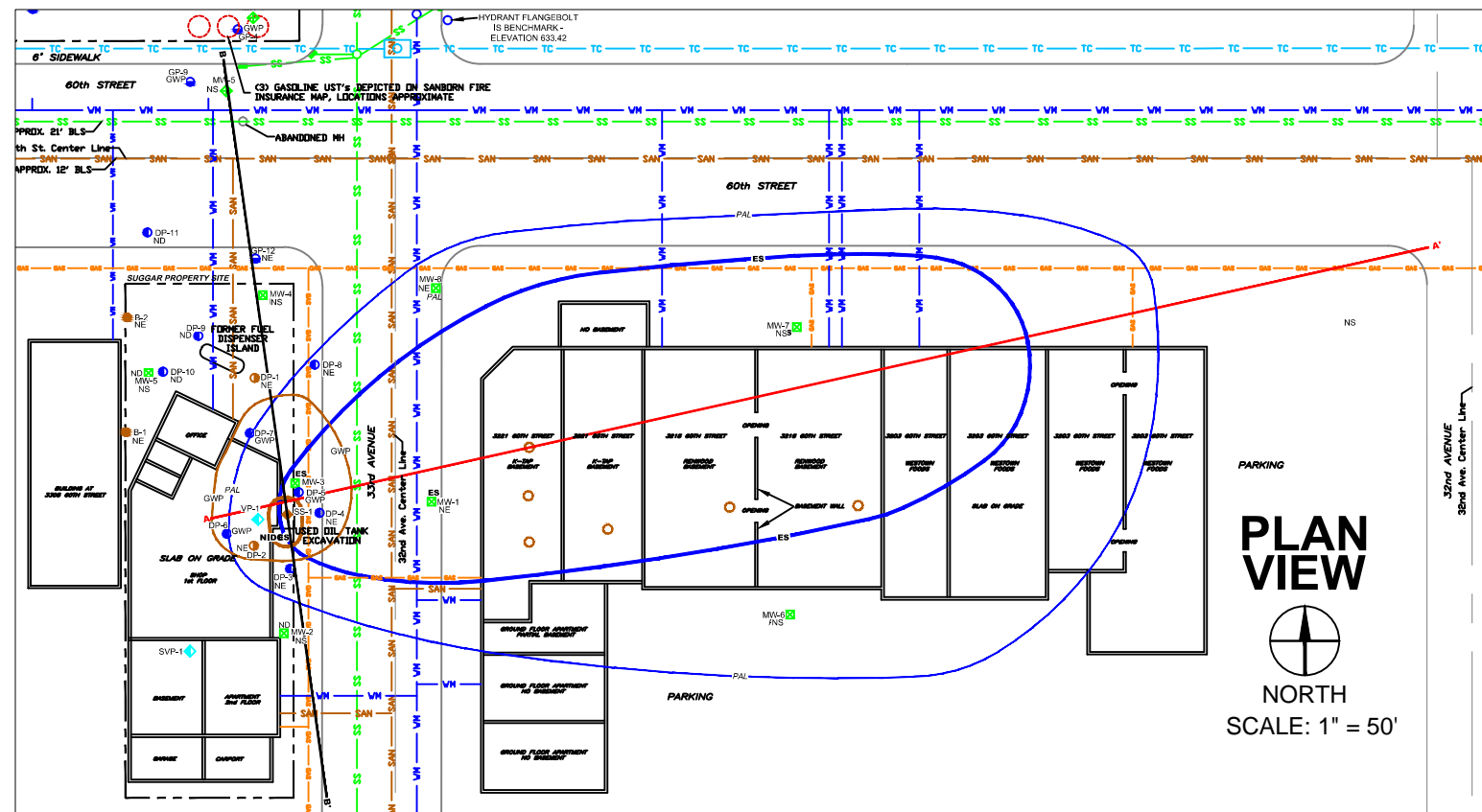
FIGURE 5 GEOLOGICAL CROSS-SECTION A-A' SUGGAR PROPERTY 3301 60TH STREET KENOSHA, WISCONSIN



HORIZONTAL SCALE: 1" = 25'
VERTICAL SCALE: 1" = 5'

LEGEND

- | | | | | | |
|--|---|------|---|--|---|
| | CONCRETE PAVEMENT | | WELL SCREEN INTERVAL | | SUGGAR SUB-SLAB VAPOR SAMPLING LOCATION |
| | ASPHALT PAVEMENT | | LABORATORY SOIL SAMPLE INTERVAL | | TANK CLOSURE SOIL SAMPLE LOCATION |
| | COURSE SAND AND GRAVEL TANK CAVITY FILL | | BURIED UTILITY TRENCH (APPROXIMATE) | | WATER TABLE 6/13/2019 |
| | AGGREGATE BASE COURSE | ES | - ONE OR MORE GROUNDWATER CONTAMINANTS EXCEED ENFORCEMENT STANDARDS | | |
| | VERY FINE TO COURSE SAND | PAL | - ONE OR MORE GROUNDWATER CONTAMINANTS EXCEED PREVENTIVE ACTION LIMITS | | |
| | CLAY | ES | - INFERRED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING ENFORCEMENT STANDARDS | | |
| | SILT | PAL | - INFERRED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING PREVENTIVE ACTION LIMITS | | |
| | CLAY, SAND, GRAVEL FILL | NIDC | - ONE OR MORE CONTAMINANTS EXCEED NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINATION LEVELS | | |
| | | GWP | - ONE OR MORE CONTAMINANTS EXCEED GROUNDWATER PROTECTION RESIDUAL CONTAMINATION LEVELS | | |
| | | NIDC | - INFERRED EXTENT OF SOIL CONTAMINATION EXCEEDING NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINATION LEVELS | | |
| | | GWP | - INFERRED EXTENT OF SOIL CONTAMINATION EXCEEDING GROUNDWATER PROTECTION RESIDUAL CONTAMINATION LEVELS | | |



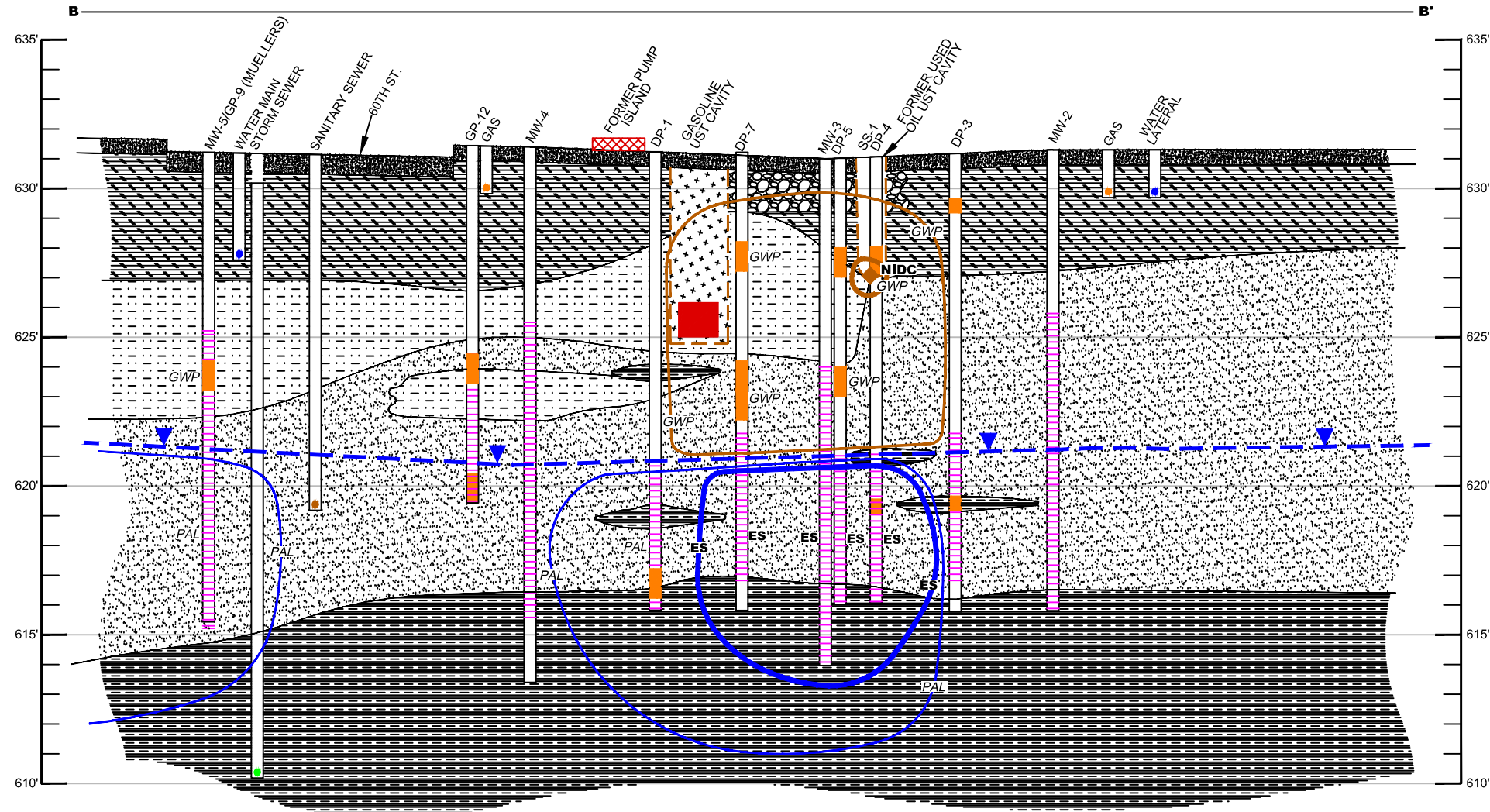
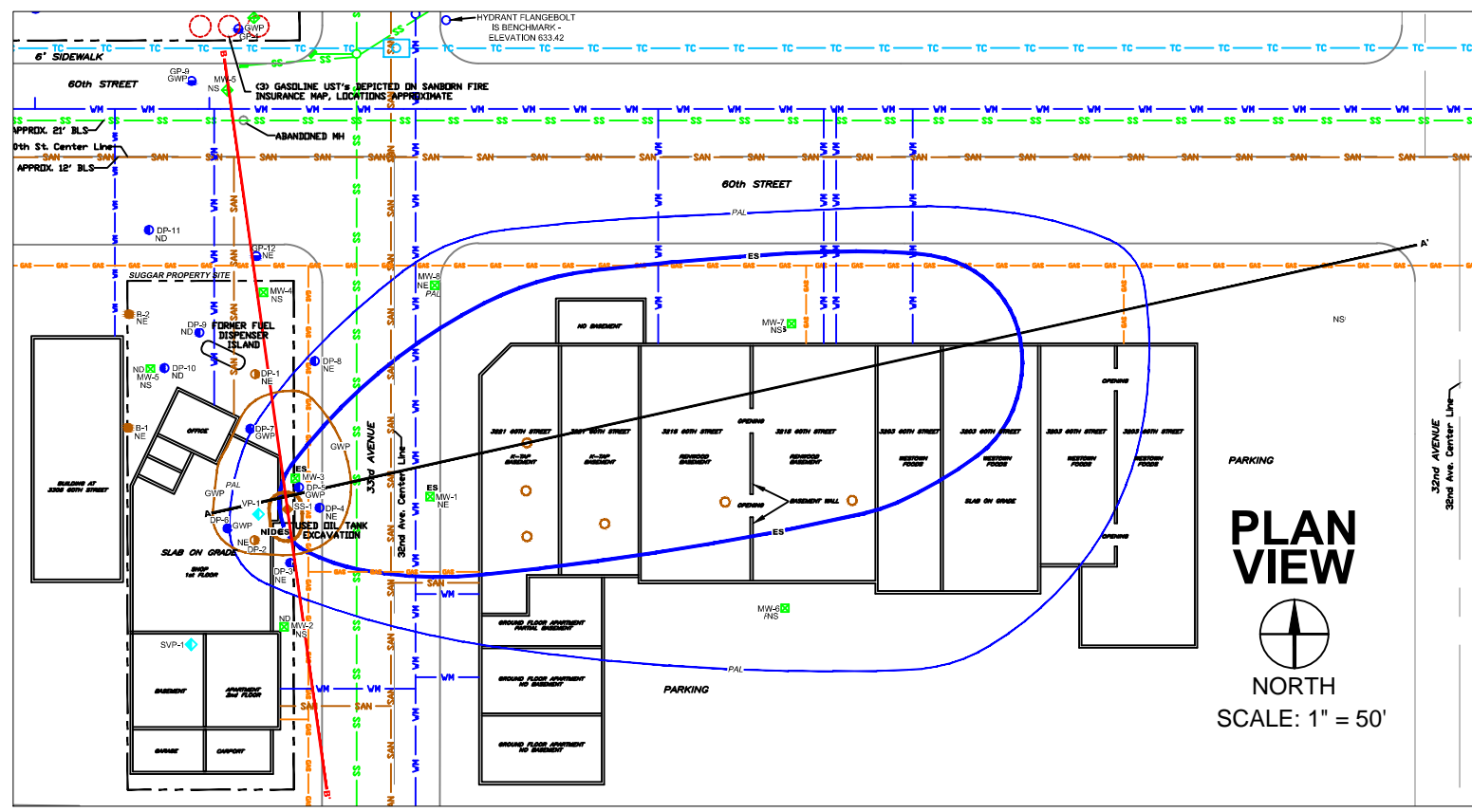


FIGURE 6
GEOLOGICAL CROSS-SECTION B-B'
SUGGAR PROPERTY
3301 60TH STREET
KENOSHA, WISCONSIN

HORIZONTAL SCALE: 1" = 25'
VERTICAL SCALE: 1" = 5'

LEGEND

- CONCRETE PAVEMENT
- COURSE SAND AND GRAVEL TANK CAVITY FILL
- AGGREGATE BASE COURSE
- VERY FINE TO COURSE SAND
- CLAY
- SILT
- CLAY, SAND, GRAVEL FILL
- WELL SCREEN INTERVAL
- LABORATORY SOIL SAMPLE INTERVAL
- BURIED UTILITY TRENCH (APPROXIMATE)
- ES - ONE OR MORE GROUNDWATER CONTAMINANTS EXCEED ENFORCEMENT STANDARDS
- PAL - ONE OR MORE GROUNDWATER CONTAMINANTS EXCEED PREVENTIVE ACTION LIMITS
- ES - INFERRED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING ENFORCEMENT STANDARDS
- PAL - INFERRED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING PREVENTIVE ACTION LIMITS
- NIDC - ONE OR MORE CONTAMINANTS EXCEED NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINATION LEVELS
- GWP - ONE OR MORE CONTAMINANTS EXCEED GROUNDWATER PROTECTION RESIDUAL CONTAMINATION LEVELS
- NIDC - INFERRED EXTENT OF SOIL CONTAMINATION EXCEEDING NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINATION LEVELS
- GWP - INFERRED EXTENT OF SOIL CONTAMINATION EXCEEDING GROUNDWATER PROTECTION RESIDUAL CONTAMINATION LEVELS
- SUGGAR SUB-SLAB VAPOR SAMPLING LOCATION
- TANK CLOSURE SOIL SAMPLE LOCATION
- WATER TABLE 6/13/2019
- THREE GASOLINE USTs CLOSED IN PLACE



Approved By: S. Cranley	Figure 6
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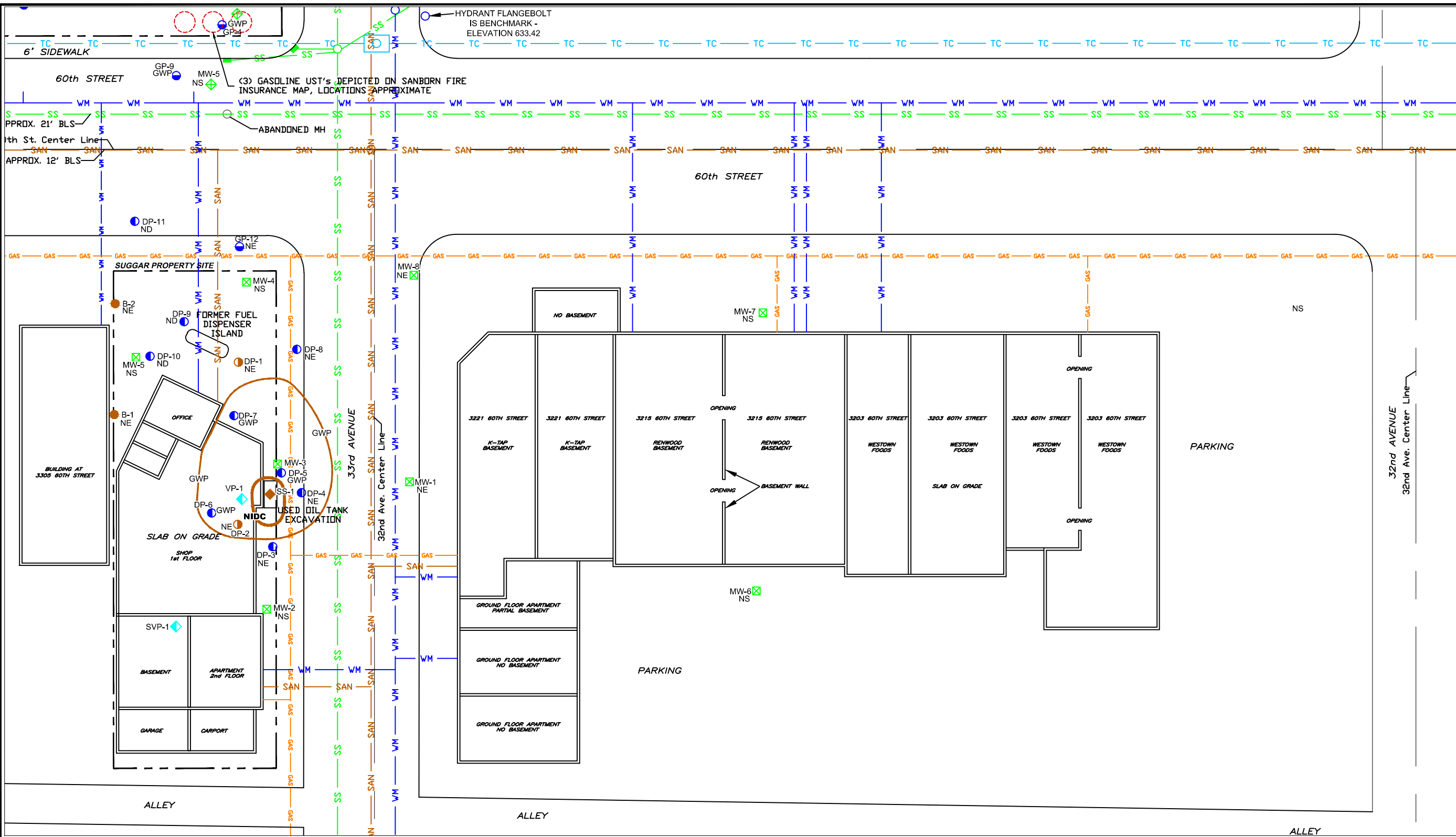


FIGURE 7
SOIL CONTAMINATION
SUGGAR PROPERTY
3301 60TH STREET
KENOSHA, WISCONSIN

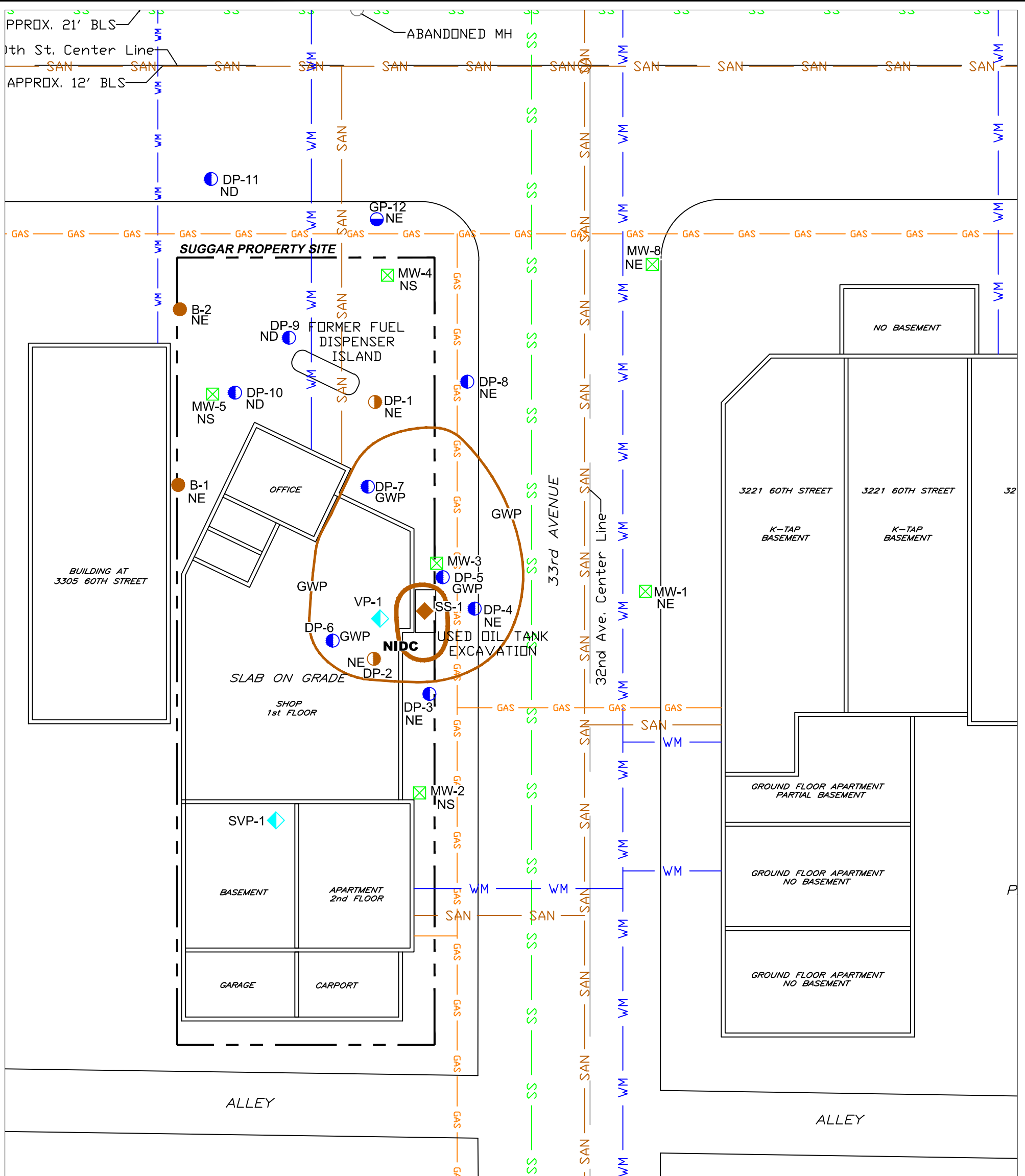
LEGEND

- ☒ - SUGGAR GROUNDWATER MONITORING WELL LOCATION
- - SUGGAR DIRECT-PUSH SOIL BORING LOCATION
- - SUGGAR DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- ◆ - SUGGAR SUB-SLAB VAPOR SAMPLING LOCATION
- ◆ - TANK CLOSURE SOIL SAMPLE LOCATION
- - 3305 60TH STREET PHASE II SOIL BORING LOCATION
- GAS — - GAS
- ELEC — - ELECTRICAL
- WM — - WATER
- SAN — - SANITARY SEWER
- SS — - STORM SEWER
- TC — - TELECOM

- NS - NO SAMPLE
- NE - NO EXCEEDANCE
- ND - NO DETECTS
- NIDC - ONE OR MORE CONTAMINANTS EXCEED NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINATION LEVELS
- GWP - ONE OR MORE CONTAMINANTS EXCEED GROUNDWATER PROTECTION RESIDUAL CONTAMINATION LEVELS
- NIDC — - INFERRED EXTENT OF SOIL CONTAMINATION EXCEEDING NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINATION LEVELS
- GWP — - INFERRED EXTENT OF SOIL CONTAMINATION EXCEEDING GROUNDWATER PROTECTION RESIDUAL CONTAMINATION LEVELS



Approved By: S. Cranley	Figure 7
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Drawn by: R. Schwartz	

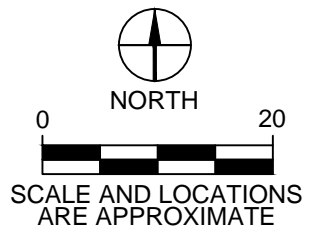


LEGEND

- SUGGAR GROUNDWATER MONITORING WELL LOCATION
- SUGGAR DIRECT-PUSH SOIL BORING LOCATION
- SUGGAR DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- SUGGAR SUB-SLAB VAPOR SAMPLING LOCATION
- TANK CLOSURE SOIL SAMPLE LOCATION
- 3305 60th STREET PHASE II SOIL BORING LOCATION

- GAS - GAS
- ELEC - ELECTRICAL
- WM - WATER
- SAN - SANITARY SEWER
- SS - STORM SEWER
- TC - TELECOM

- NS - NO SAMPLE
- NE - NO EXCEEDANCE
- ND - NO DETECTS
- NIDC - ONE OR MORE CONTAMINANTS EXCEED NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINATION LEVELS
- GWP - ONE OR MORE CONTAMINANTS EXCEED GROUNDWATER PROTECTION RESIDUAL CONTAMINATION LEVELS
- NIDC - INFERRED EXTENT OF SOIL CONTAMINATION EXCEEDING NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINATION LEVELS
- GWP - INFERRED EXTENT OF SOIL CONTAMINATION EXCEEDING GROUNDWATER PROTECTION RESIDUAL CONTAMINATION LEVELS



Midwest Environmental Consulting, LLC
262-237-4351

Approved By: S. Cranley	Figure 8
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FIGURE 8

SOIL CONTAMINATION CLOSEUP SUGGAR PROPERTY

3300 & 3301 60TH STREET
Kenosha, WI 53142

LEGEND

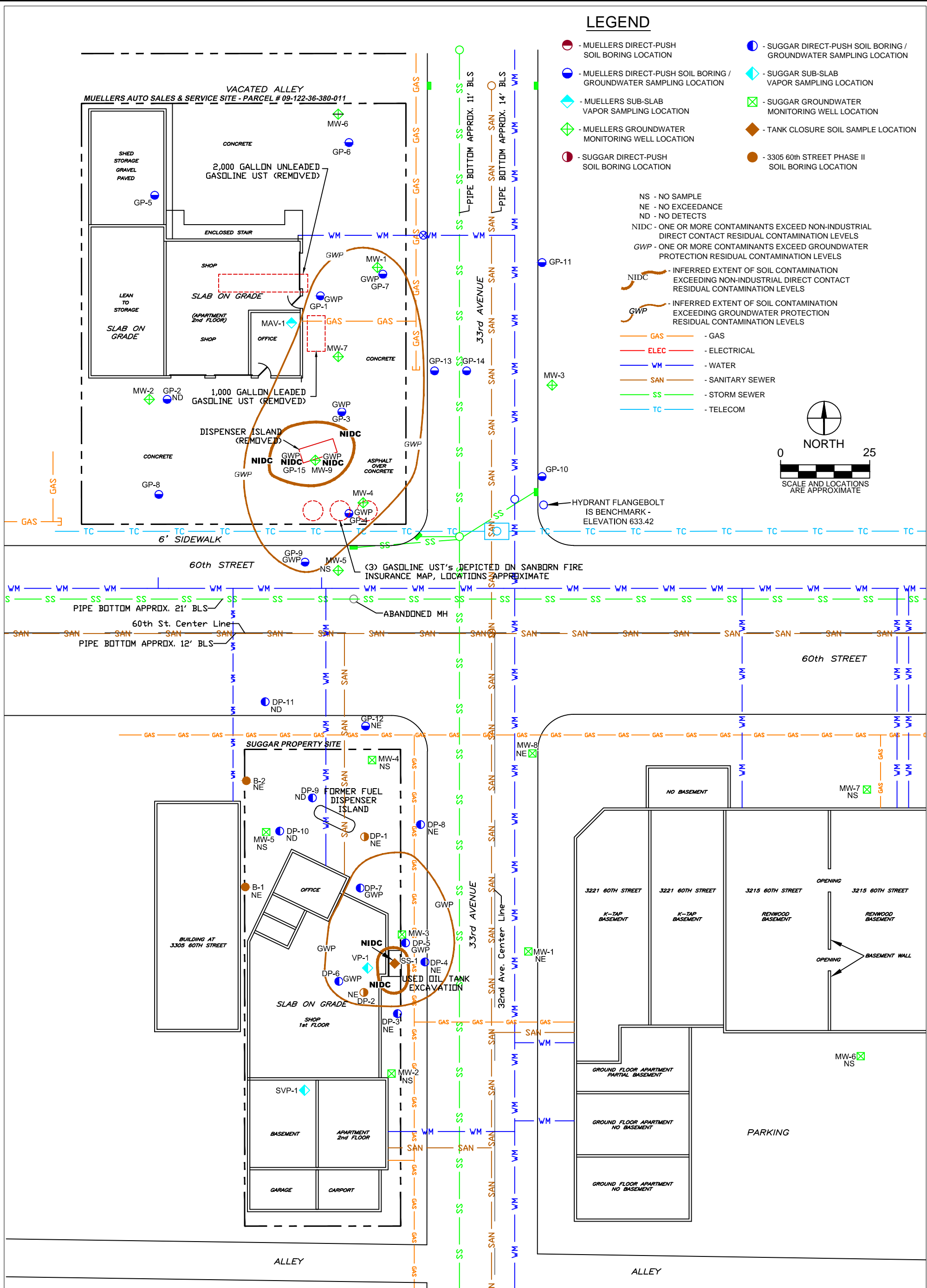
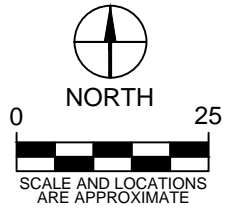
- - MUELLERS DIRECT-PUSH SOIL BORING LOCATION
- - SUGGAR DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- ◆ - MUELLERS DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- ◆ - SUGGAR SUB-SLAB VAPOR SAMPLING LOCATION
- ◆ - MUELLERS SUB-SLAB VAPOR SAMPLING LOCATION
- ◇ - SUGGAR GROUNDWATER MONITORING WELL LOCATION
- ◇ - MUELLERS GROUNDWATER MONITORING WELL LOCATION
- ◆ - TANK CLOSURE SOIL SAMPLE LOCATION
- - SUGGAR DIRECT-PUSH SOIL BORING LOCATION
- - 3305 60th STREET PHASE II SOIL BORING LOCATION

- NS - NO SAMPLE
- NE - NO EXCEEDANCE
- ND - NO DETECTS
- NIDC - ONE OR MORE CONTAMINANTS EXCEED NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINATION LEVELS
- GWP - ONE OR MORE CONTAMINANTS EXCEED GROUNDWATER PROTECTION RESIDUAL CONTAMINATION LEVELS

--- NIDC - INFERRED EXTENT OF SOIL CONTAMINATION EXCEEDING NON-INDUSTRIAL DIRECT CONTACT RESIDUAL CONTAMINATION LEVELS

--- GWP - INFERRED EXTENT OF SOIL CONTAMINATION EXCEEDING GROUNDWATER PROTECTION RESIDUAL CONTAMINATION LEVELS

- GAS - GAS
- ELEC - ELECTRICAL
- WM - WATER
- SAN - SANITARY SEWER
- SS - STORM SEWER
- TC - TELECOM



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Approved By: S. Cranley	Figure 9
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FIGURE 9
SOIL CONTAMINATION
SUGGAR PROPERTY, MUELLERS AUTO SALES & SERVICE
 3300 & 3301 60TH STREET
 Kenosha, WI 53142

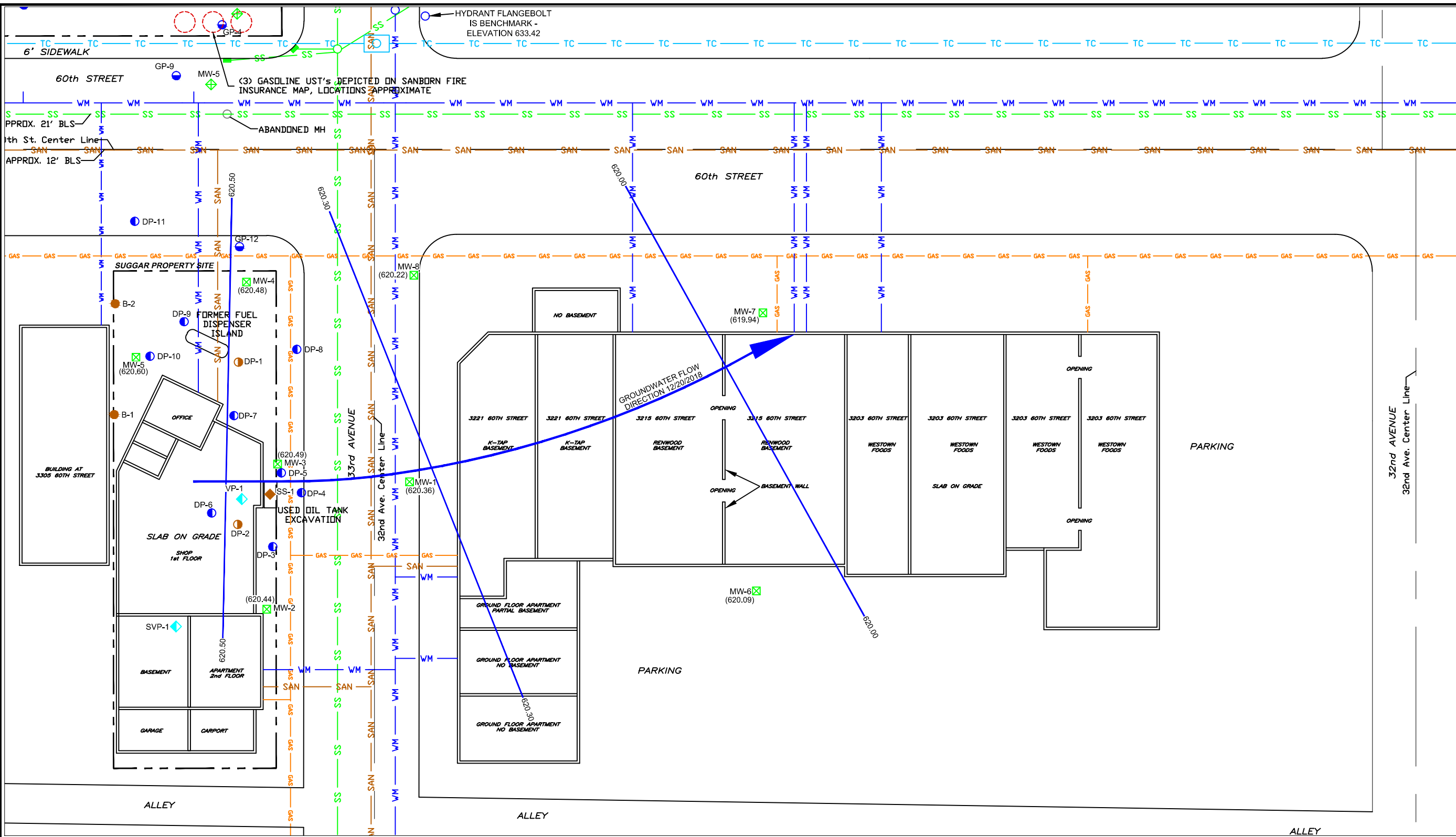


FIGURE 10
GROUNDWATER FLOW DIRECTION 12/20/2018
SUGGAR PROPERTY
3301 60TH STREET
KENOSHA, WISCONSIN

LEGEND

- ☒ - SUGGAR GROUNDWATER MONITORING WELL LOCATION
- ◇ - MUELLERS GROUNDWATER MONITORING WELL LOCATION
- - SUGGAR DIRECT-PUSH SOIL BORING LOCATION
- - SUGGAR DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- - MUELLERS DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- ◇ - SUGGAR SUB-SLAB VAPOR SAMPLING LOCATION
- ◆ - TANK CLOSURE SOIL SAMPLE LOCATION
- - 3305 60th STREET PHASE II SOIL BORING LOCATION
- - FLOOR DRAIN
- GAS - GAS
- ELEC - ELECTRICAL
- WM - WATER
- SAN - SANITARY SEWER
- SS - STORM SEWER
- TC - TELECOM
- ~ - INFERRED GROUNDWATER ISO-ELEVATION CONTOUR (FT-MSL)
- (620.08) - GROUNDWATER ELEVATION (FT-MSL)
- ➔ - GROUNDWATER FLOW DIRECTION



Approved By: S. Cranley	Figure 10
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Drawn by: R. Schwartz	

LEGEND

- - MUELLERS DIRECT-PUSH SOIL BORING LOCATION
- - MUELLERS DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- ◆ - MUELLERS SUB-SLAB VAPOR SAMPLING LOCATION
- ◆ - MUELLERS GROUNDWATER MONITORING WELL LOCATION
- ◆ - TANK CLOSURE SOIL SAMPLE LOCATION
- - SUGGAR DIRECT-PUSH SOIL BORING LOCATION
- - SUGGAR DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- ◆ - SUGGAR SUB-SLAB VAPOR SAMPLING LOCATION
- ◆ - SUGGAR GROUNDWATER MONITORING WELL LOCATION
- - 3305 60th STREET PHASE II SOIL BORING LOCATION

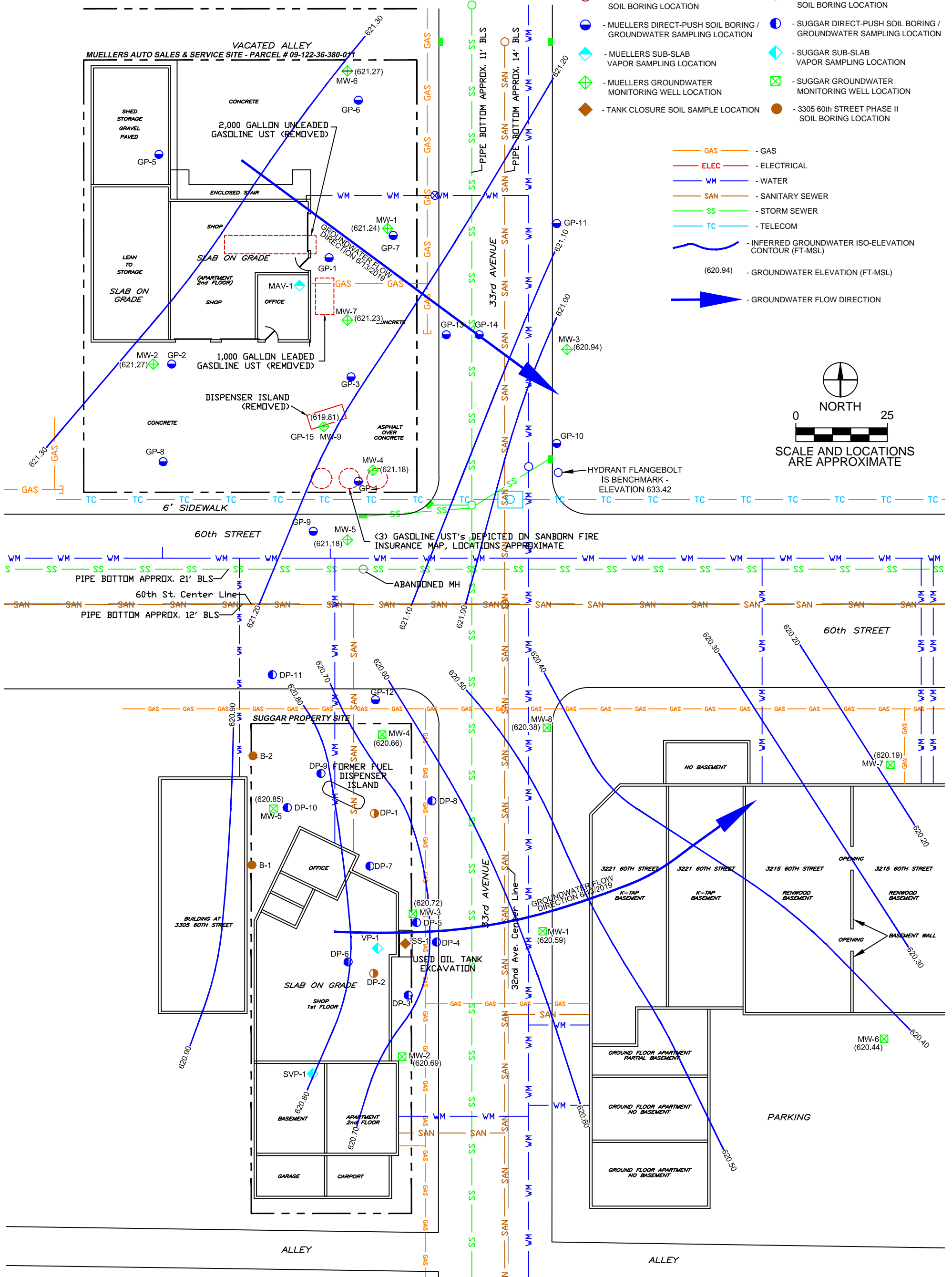
- GAS - GAS
- ELEC - ELECTRICAL
- WM - WATER
- SAN - SANITARY SEWER
- SS - STORM SEWER
- TC - TELECOM
- - INFERRED GROUNDWATER ISO-ELEVATION CONTOUR (FT-MSL)
- (620.94) - GROUNDWATER ELEVATION (FT-MSL)
- ➔ - GROUNDWATER FLOW DIRECTION




NORTH



SCALE AND LOCATIONS ARE APPROXIMATE





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Approved By: S. Cranley	Figure 11
Date Approved: 3/5/2020	
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FIGURE 11
GROUNDWATER FLOW DIRECTION 6/13/2019
SUGGAR PROPERTY, MUELLERS AUTO SALES & SERVICE
 3300 & 3301 60TH STREET
 Kenosha, WI 53142

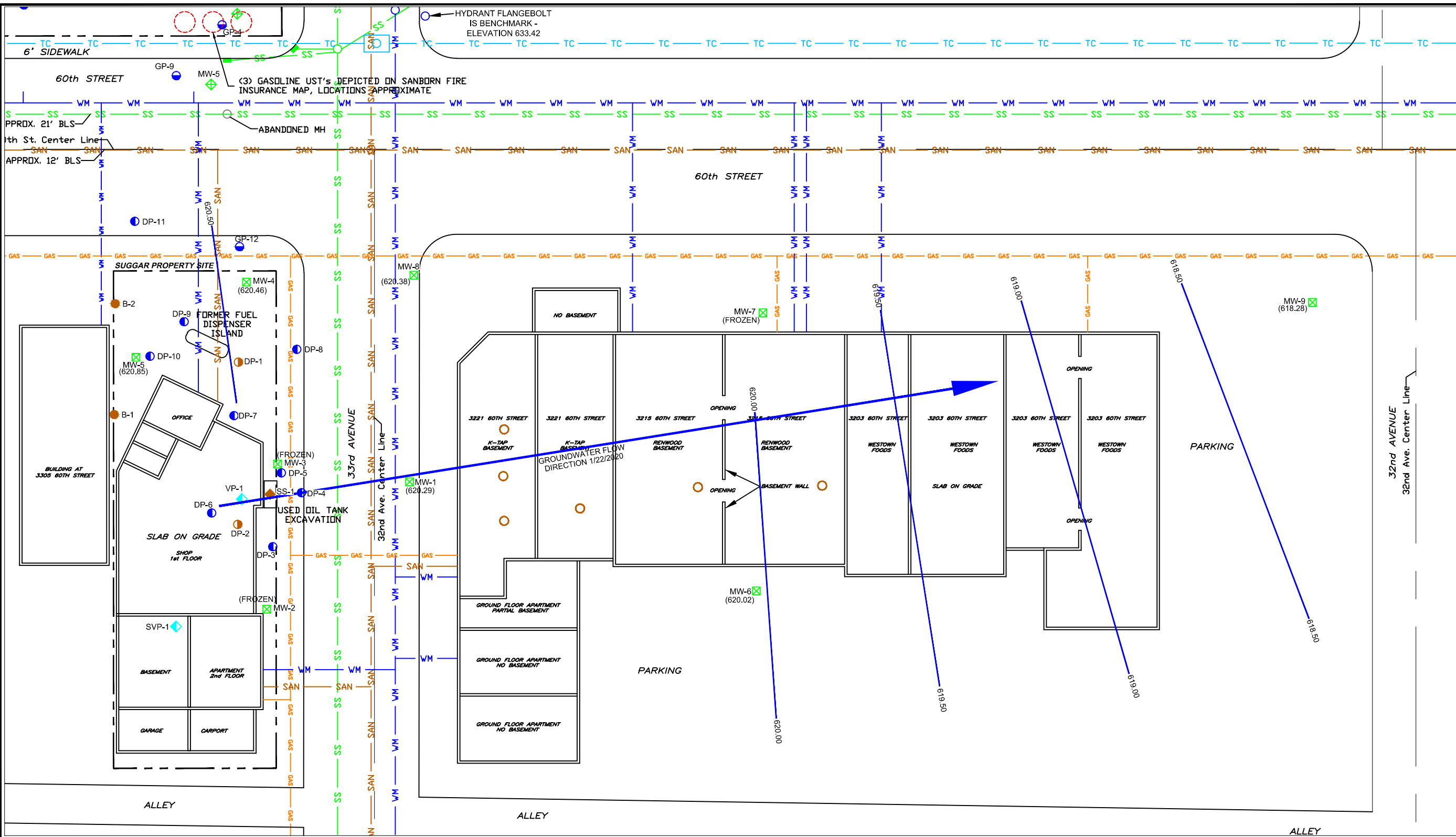


FIGURE 12
GROUNDWATER FLOW DIRECTION 1/22/2020
SUGGAR PROPERTY
3301 60TH STREET
KENOSHA, WISCONSIN

LEGEND

- ☒ - SUGGAR GROUNDWATER MONITORING WELL LOCATION
- ◇ - MUELLERS GROUNDWATER MONITORING WELL LOCATION
- - SUGGAR DIRECT-PUSH SOIL BORING LOCATION
- - SUGGAR DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- - MUELLERS DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
- ◇ - SUGGAR SUB-SLAB VAPOR SAMPLING LOCATION
- ◆ - TANK CLOSURE SOIL SAMPLE LOCATION
- - 3305 60th STREET PHASE II SOIL BORING LOCATION
- - FLOOR DRAIN
- GAS - GAS
- ELEC - ELECTRICAL
- WM - WATER
- SAN - SANITARY SEWER
- SS - STORM SEWER
- TC - TELECOM
- ~ - INFERRED GROUNDWATER ISO-ELEVATION CONTOUR (FT-MSL)
- (620.08) - GROUNDWATER ELEVATION (FT-MSL)
- ➔ - GROUNDWATER FLOW DIRECTION



Approved By: S. Cranley	Figure 12
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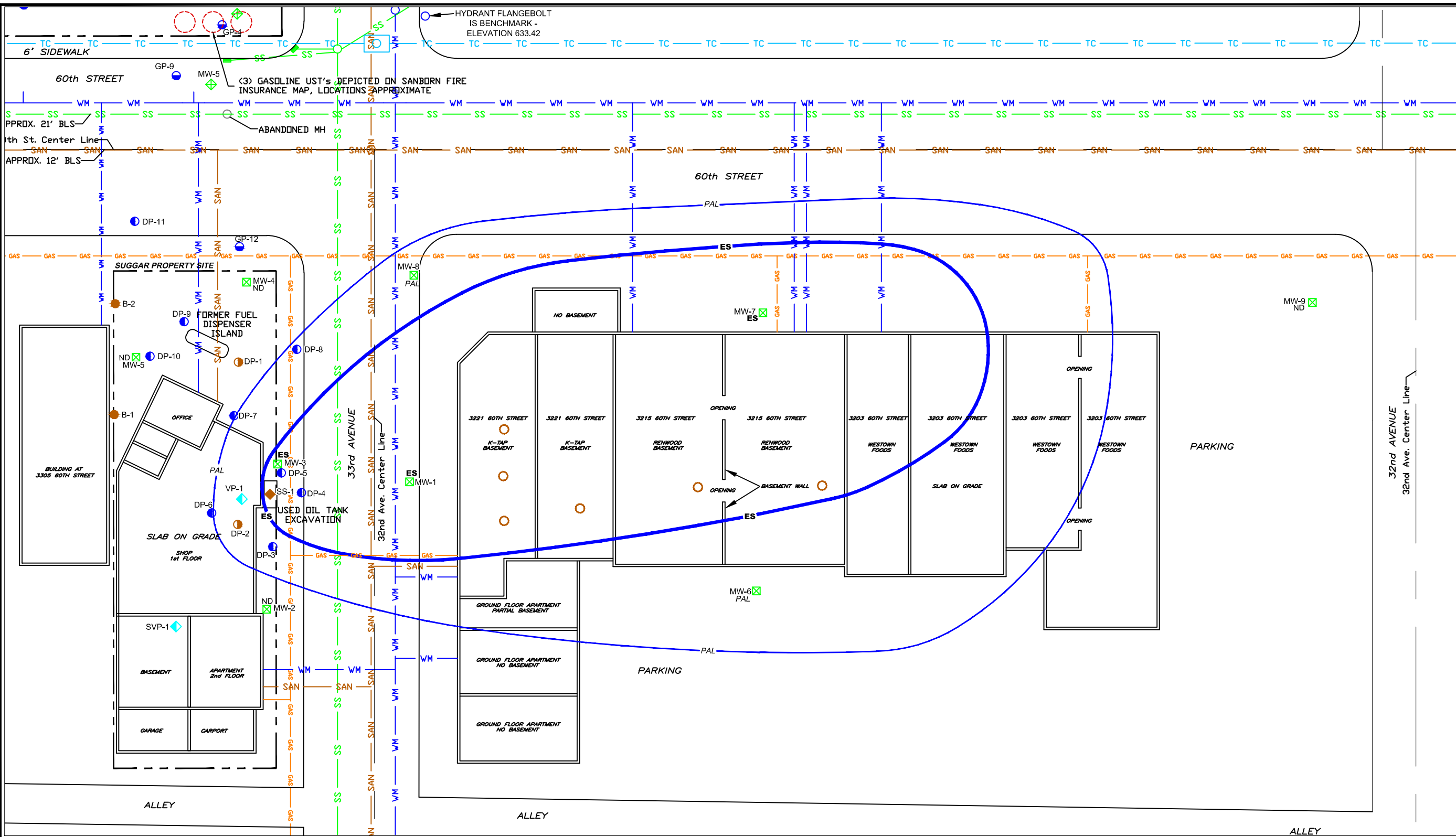



















FIGURE 13
GROUNDWATER CONTAMINATION
SUGGAR PROPERTY
3301 60TH STREET
KENOSHA, WISCONSIN

LEGEND

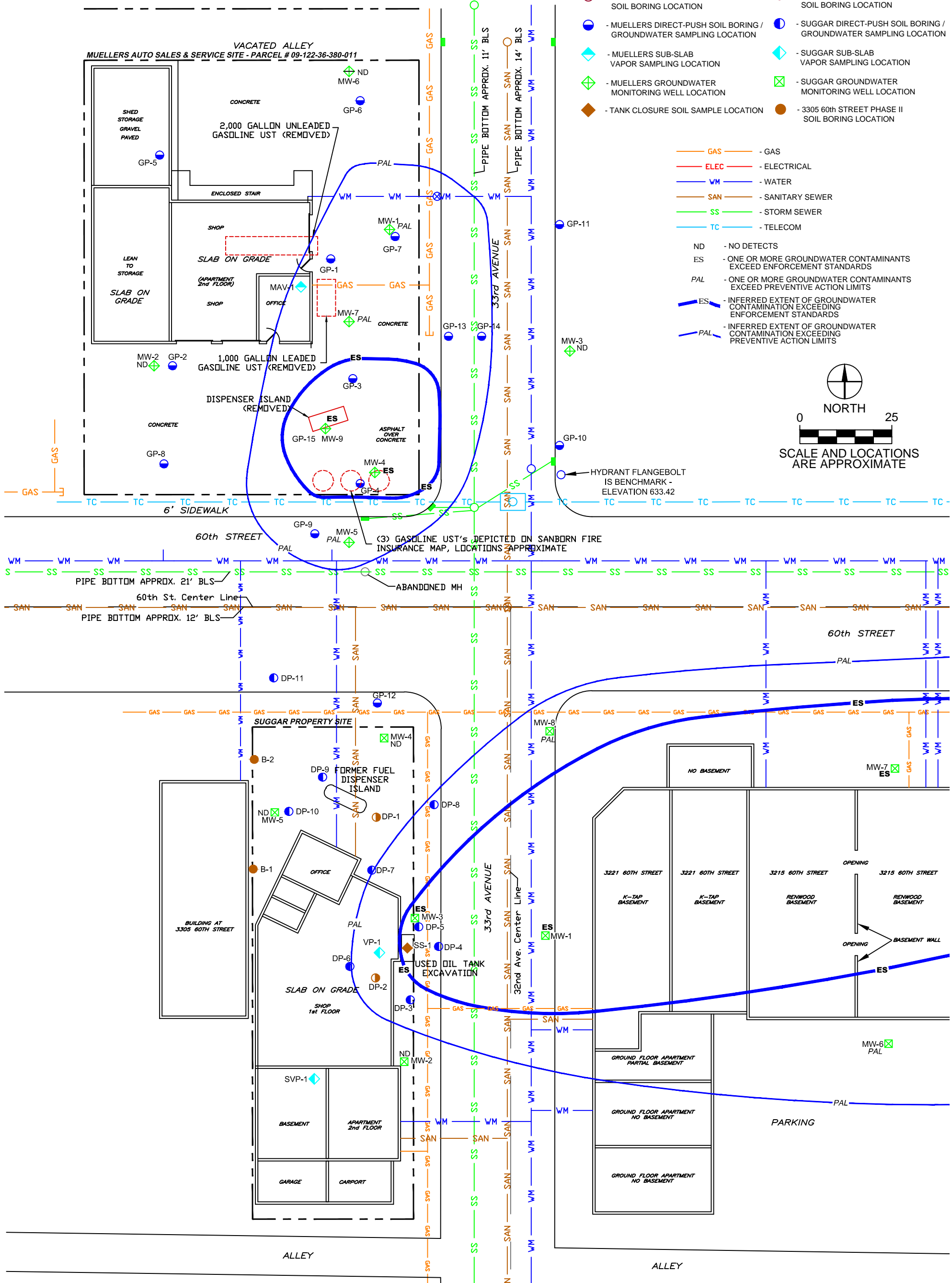
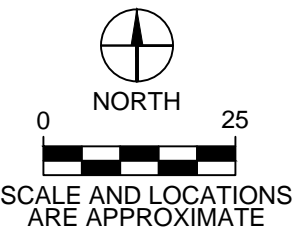
- | | | | |
|--|--|---|---|
|  - SUGGAR GROUNDWATER MONITORING WELL LOCATION |  - SUGGAR SUB-SLAB VAPOR SAMPLING LOCATION |  - GAS | - NO DETECTS |
|  - MUELLERS GROUNDWATER MONITORING WELL LOCATION |  - TANK CLOSURE SOIL SAMPLE LOCATION |  - ELEC | - ONE OR MORE GROUNDWATER CONTAMINANTS EXCEED ENFORCEMENT STANDARDS |
|  - SUGGAR DIRECT-PUSH SOIL BORING LOCATION |  - 3305 60th STREET PHASE II SOIL BORING LOCATION |  - WM | - ONE OR MORE GROUNDWATER CONTAMINANTS EXCEED PREVENTIVE ACTION LIMITS |
|  - SUGGAR DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION |  - FLOOR DRAIN |  - SAN |  - ES |
|  - MUELLERS DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION | |  - SS | - INFERRED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING ENFORCEMENT STANDARDS |
| | |  - TC |  - PAL |
| | | | - INFERRED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING PREVENTIVE ACTION LIMITS |



Approved By: S. Cranley	Figure
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Date Drawn: 3/5/2020	13 of 14
Drawn by: R. Schwartz	

LEGEND

- - MUELLERS DIRECT-PUSH SOIL BORING LOCATION
 - - MUELLERS DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
 - ◆ - MUELLERS SUB-SLAB VAPOR SAMPLING LOCATION
 - ◆ - MUELLERS GROUNDWATER MONITORING WELL LOCATION
 - ◆ - TANK CLOSURE SOIL SAMPLE LOCATION
 - - SUGGAR DIRECT-PUSH SOIL BORING LOCATION
 - - SUGGAR DIRECT-PUSH SOIL BORING / GROUNDWATER SAMPLING LOCATION
 - ◆ - SUGGAR SUB-SLAB VAPOR SAMPLING LOCATION
 - ◆ - SUGGAR GROUNDWATER MONITORING WELL LOCATION
 - - 3305 60th STREET PHASE II SOIL BORING LOCATION
-
- GAS - GAS
 - ELEC - ELECTRICAL
 - WM - WATER
 - SAN - SANITARY SEWER
 - SS - STORM SEWER
 - TC - TELECOM
-
- ND - NO DETECTS
 - ES - ONE OR MORE GROUNDWATER CONTAMINANTS EXCEED ENFORCEMENT STANDARDS
 - PAL - ONE OR MORE GROUNDWATER CONTAMINANTS EXCEED PREVENTIVE ACTION LIMITS
 - ES - INFERRED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING ENFORCEMENT STANDARDS
 - PAL - INFERRED EXTENT OF GROUNDWATER CONTAMINATION EXCEEDING PREVENTIVE ACTION LIMITS



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FIGURE 14
GROUNDWATER ISOCONCENTRATIONS 6/13/2019
SUGGAR PROPERTY, MUELLERS AUTO SALES & SERVICE
 3300 & 3301 60TH STREET
 Kenosha, WI 53142

**Site Investigation Report
Suggar Property**



TABLES

Table 1 (Page 1 of 2)
Historical Soil Analytical Summary
Suggar Property
3100 60th Street
Kenosha, WI

Parameters	Sample Information / Results				Residual Contaminant Levels	
Sample ID	B-1	B-2	GP-12	GP-12		
Sample Depth (ft/bls)	9-11	11-13	7-8	11-12	Groundwater	Not to Exceed
Saturation Depth (ft/bls)	14	14	11.5	11.5	Protection	Non-Industrial
Saturated / Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated		Direct Contact
Sample Date	04/13/95	04/13/95	04/25/06	04/25/06		
PID Reading (PPM)	2	3	0	100		
VOCs/PVOCs (ug/kg)					ug/kg	ug/kg
Benzene	NA	NA	<25.0	<25.0	5.1	1,600
Ethylbenzene	NA	NA	114	33.8	1,570	8,020
Naphthalene	NA	NA	NA	NA	658.2	5,520
Toluene	NA	NA	29.7	<25.0	1,107.2	818,000
1,2,4-Trimethylbenzene	NA	NA	145	<25.0	1,378.7 (1)	219,000
1,3,5-Trimethylbenzene	NA	NA	58.4	<25.0	1,378.7 (1)	182,000
Xylenes	NA	NA	229	49.1	3,960	260,000
n-Butylbenzene	NA	NA	NA	NA	NS	108,000
n-Propylbenzene	NA	NA	NA	NA	NS	264,000
sec-Butylbenzene	NA	NA	NA	NA	NS	145,000
Isopropylbenzene	NA	NA	NA	NA	NS	268,000
p-Isopropyltoluene	NA	NA	NA	NA	NS	162,000
GRO/DRO (mg/kg)						
GRO	3.5	22	43.4	109	NS	NS
DRO	NA	NA	NA	NA	NS	NS

Notes:

Table includes detected analytes only, which are right justified in the columns.

Bold type indicates concentration within the upper 4 feet of the subsurface exceeds the non-industrial direct contact RCL and, if applicable, the background level, thus constituting a soil standard exceedance.

Italic type indicates a concentration exceeds the groundwater protection RCL and, if applicable the background level, thus constituting a soil standard exceedance.

PID - Photoionization Detector

RCL - Residual Contaminant Level

VOCs - Volatile Organic Compounds

PVOCs - Petroleum Volatile Organic Compounds

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

NA = Not Analyzed

NS = No Standard

(1) The groundwater protection RCL applies to combined trimethylbenzenes.

Table 1 (Page 2 of 2)
Historical Soil Analytical Summary
Suggar Property
3100 60th Street
Kenosha, WI

Parameters	Sample Information / Results					Residual Contaminant Levels	
Sample ID	MW-8	MW-8	DP-1	DP-2	SS-1		
Sample Depth (ft/bls)	8.5-10	16-17.5	14-15	13-14	4	Groundwater	Not to Exceed
Saturation Depth (ft/bls)	11	11	12.5	12.5	14.5	Protection	Non-Industrial
Saturated / Unsaturated	Unsaturated	Saturated	Saturated	Saturated	Unsaturated		Direct Contact
Sample Date	04/03/08	04/03/08	08/05/10	08/05/10	11/09/10		
PID Reading (PPM)	78	3.2	350	751	NA		
VOCs/PVOCs (ug/kg)						ug/kg	ug/kg
Benzene	<29	<30	<500	<1000	<u>743</u>	5.1	1,600
Ethylbenzene	<29	<30	<500	<1000	<u>3860</u>	1,570	8,020
Naphthalene	190	<61	<500	<1000	<u>7370</u>	658.2	5,520
Toluene	<29	<30	<500	<1000	<u>7860</u>	1,107.2	818,000
1,2,4-Trimethylbenzene	<29	42	<500	<1000	<u>16300</u>	1,378.7 (1)	219,000
1,3,5-Trimethylbenzene	<29	<30	<500	59600	<u>5210</u>	1,378.7 (1)	182,000
Xylenes	120	<91	<500	12300	<u>20780</u>	3,960	260,000
n-Butylbenzene	NA	NA	3700	<1620	NA	NS	108,000
n-Propylbenzene	NA	NA	2040	28000	NA	NS	264,000
sec-Butylbenzene	NA	NA	3150	7690	NA	NS	145,000
Isopropylbenzene	NA	NA	<500	4310	NA	NS	268,000
p-Isopropyltoluene	NA	NA	<500	4560	NA	NS	162,000
GRO/DRO (mg/kg)							
GRO	120	<6.1	NA	NA	188	NS	NS
DRO	9.0	<4.6	NA	NA	2,130	NS	NS

Notes:

Table includes detected analytes only, which are right justified in the columns.

Bold type indicates concentration within the upper 4 feet of the subsurface exceeds the non-industrial direct contact RCL and, if applicable, the background level, thus constituting a soil standard exceedance.

Italic type indicates a concentration exceeds the groundwater protection RCL and, if applicable the background level, thus constituting a soil standard exceedance.

PID - Photoionization Detector

RCL - Residual Contaminant Level

VOCs - Volatile Organic Compounds

PVOCs - Petroleum Volatile Organic Compounds

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

NA = Not Analyzed

NS = No Standard

(1) The groundwater protection RCL applies to combined trimethylbenzenes.

Table 2 (Page 1 of 1)
Historical Groundwater Sample Analytical Results Summary
Suggar Property
3100 60th Street
Kenosha, WI

Parameters	Sample Information / Results				Groundwater Quality Standards	
Sample ID Sample Date	GP-12W 4/25/06	DP-1W 8/5/10	DP-2W 8/5/10	MW-8 7/14/10	PAL	ES
VOCs (ug/l)					ug/l	ug/l
n-Butylbenzene	NA	3.5	1.4	42.4	NS	NS
sec-Butylbenzene	NA	7.1	1.0	17.2	NS	NS
tert-Butylbenzene	NA	<0.97	<0.97	<9.7	NS	NS
Chloromethane	NA	<u>0.37</u>	<u>0.54</u>	<2.4	0.3	3
Ethylbenzene	<5.00	<0.54	<0.54	774	140	700
Isopropylbenzene (Cumene)	NA	4.5	1.1	149	NS	NS
p-Isopropyltoluene	NA	<0.67	<0.67	8.8	NS	NS
n-Propylbenzene	NA	4.9	4.7	480	NS	NS
1,2,4-Trimethylbenzene	<5.00	1.7	15.4	1,140	96 (1)	480 (1)
1,3,5-Trimethylbenzene	<5.00	<0.83	1.4	<8.3	96 (1)	480 (1)
Xylenes	<5.00	<1.63	<1.63	<u>473.5</u>	400	2000

Notes:

Table includes detected analytes only, which are right justified in the columns.

Italic type indicates concentration exceeds PAL.

Bold type indicates concentration exceeds ES.

VOCs - Volatile Organic Compounds

PAL - NR 140 Preventive Action Limit

ES - NR 140 Enforcement Standard

NA - Not analyzed or not applicable

(1) - The groundwater quality stanadards are applied to the combined concentrations of 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

**Table 3 (Page 1 of 3)
Soil Analytical Summary
Suggar Property
3100 60th Street
Kenosha, WI**

Parameters	Sample Information / Results						Residual Contaminant Levels		
Sample ID	DP-3	DP-3	DP-4	DP-4	DP-5	DP-5	Groundwater Protection	Not to Exceed Non-Industrial Direct Contact	Not to Exceed Industrial Direct Contact Protection
Sample Depth (ft/bls)	1.5-2	11.5-12	3-4	11.5-12	3-4	7-8			
Saturation Depth (ft/bls)	12	12	12	12	14.5	14.5			
Saturated / Unsaturated	Unsaturated	Saturated	Unsaturated	Saturated	Unsaturated	Unsaturated			
Sample Date	12/12/16	12/12/16	12/12/16	12/12/16	01/10/17	01/10/17			
PID Reading (PPM)	0	0	0	40	0	50			
VOCs/PVOCs (ug/kg)							ug/kg	ug/kg	ug/kg
1,2,4-Trimethylbenzene	105	<25.0	<25.0	14900	<25.0	21500	1,378.7 (1)	219,000	219,000
1,3,5-Trimethylbenzene	50.1	<25.0	<25.0	<125.0	<25.0	6060	1,378.7 (1)	182,000	182,000
Ethylbenzene	<25.0	<25.0	<25.0	521	<25.0	290	1,570	8,020	35,400
Isopropylbenzene (Cumene)	<25.0	<25.0	<25.0	1,940	<25.0	514	NS	268,000	268,000
Naphthalene	<40.0	<40.0	<40.0	<200.0	<40.0	8520	658.2	5,520	24,100
Tetrachloroethene	<25.0	<25.0	<25.0	<125.0	<25.0	<100	4.5	33,000	145,000
Toluene	<25.0	<25.0	<25.0	<125.0	<25.0	<100	1,107.2	818,000	818,000
Xylenes	260.3	<75.0	<75.0	513	<75.0	17820	3,960	260,000	260,000
n-Butylbenzene	<25.0	<25.0	<25.0	7040	<25.0	<100	NS	108,000	108,000
n-Propylbenzene	<25.0	<25.0	<25.0	11600	<25.0	2270	NS	264,000	264,000
p-Isopropyltoluene	<25.0	<25.0	<25.0	1340	<25.0	230	NS	162,000	162,000
sec-Butylbenzene	<25.0	<25.0	<25.0	2210	<25.0	402	NS	145,000	145,000
tert-Butylbenzene	<25.0	<25.0	<25.0	<125.0	<25.0	<100	NS	183,000	183,000
PAHs (ug/kg)							ug/kg	ug/kg	ug/kg
Acenaphthene	<4.8	<4.4	<4.5	<36.2	<4.8	18.1	NS	3,590,000	45,200,000
Acenaphthylene	<4.1	<3.7	<3.8	<30.7	<4.0	<14.7	NS	NS	NS
Anthracene	<7.1	<6.5	<6.6	<53.2	<7.0	<25.5	196,949.2	17,900,000	100,000,000
Benzo(a)anthracene	<4.0	<3.6	<3.7	<29.6	<3.9	34.6	NS	1,140	20,800
Benzo(a)pyrene	<3.1	<2.9	<2.9	<23.4	<3.1	<11.2	470	115	211
Benzo(b)fluoranthene	5.3	<3.2	<3.3	<26.3	<3.5	13.1	478.1	1,150	21,100
Benzo(g,h,i)perylene	<2.5	<2.3	<2.4	<18.9	<2.5	11.5	NS	NS	NS
Chrysene	<4.2	<3.8	<3.9	<31.4	<4.1	22.4	144.2	115,000	211,000
Dibenz(a,h)anthracene	<2.8	<2.5	<2.6	<20.8	<2.7	<10	NS	115	2,110
Fluoranthene	<6.5	<5.9	<6.1	<48.6	<6.4	<23.3	88,877.8	2,390,000	30,100,000
Fluorene	<5.2	<4.7	<4.8	<38.6	<5.1	22.4	14,829.9	2,390,000	30,100,000
Indeno(1,2,3-cd)pyrene	<2.7	<2.5	<2.6	<20.5	<2.7	<9.8	NS	1,150	21,100
1-Methylnaphthalene	<5.0	<4.6	<4.7	3020	<4.9	675	NS	17,600	72,700
2-Methylnaphthalene	<6.2	<5.7	<5.8	<46.6	<6.1	1310	NS	229,000	2,200,000
Naphthalene	<10.5	<9.6	<9.8	462	<10.3	1100	658.2	5,520	24,100
Phenanthrene	<14.5	<13.2	<13.5	<109	<14.3	58.0	NS	NS	NS
Pyrene	<5.6	<5.1	<5.2	<42.1	<5.5	41.1	54,545.5	1,790,000	22,600,000
RCRA Metals (mg/kg)							mg/kg	mg/kg	mg/kg
Cadmium	<0.15	<0.15	<0.14	<0.28	<0.15	<0.15	0.752	71.1	985
Lead	28.3	7.5	8.3	3.8	13.8	21.9	27	400	800

Notes:

Table includes detected analytes only.

Bold type indicates concentration within the upper 4 feet of the subsurface exceeds the non-industrial direct contact RCL and, if applicable, the background level, thus constituting a soil standard exceedance.

Italic type indicates a concentration exceeds the groundwater protection RCL and, if applicable the background level, thus constituting a soil standard exceedance.

PID - Photoionization Detector

RCL - Residual Contaminant Level

VOCs - Volatile Organic Compounds

PAHs - Polynuclear Aromatic Hydrocarbons

RCRA - Resource Conservation & Recovery Act

NS - No Standard

NA - Not Applicable/Not Analyzed

(1) The groundwater protection RCL applies to combined trimethylbenzenes.

The background Threshold Values for cadmium and lead are 1 mg/kg and 58 mg/kg, respectively.

**Table 3 (Page 2 of 3)
Soil Analytical Summary
Suggar Property
3100 60th Street
Kenosha, WI**

Parameters	Sample Information / Results							Residual Contaminant Levels		
Sample ID	DP-6	DP-6	DP-7	DP-7	DP-7	DP-8	DP-8	Groundwater Protection	Not to Exceed Non-Industrial Direct Contact	Not to Exceed Industrial Direct Contact Protection
Sample Depth (ft/bls)	3-4	11-12	3-4	7-8	8-9	1.5-2	11.5-12			
Saturation Depth (ft/bls)	14.5	14.5	12	12	12	14.5	4.5			
Saturated / Unsaturated	Unsaturated	Saturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated			
Sample Date	01/10/17	01/10/17	12/12/16 & 01/10/17*	01/10/17*	12/12/16*	01/10/17	01/10/17			
PID Reading (PPM)	0	0	0	65	65	0	35			
VOCs (ug/kg)								ug/kg	ug/kg	ug/kg
1,2,4-Trimethylbenzene	<25.0	49.0	52.0	<u>62600</u>	NA	<25.0	399	1,378.7 (1)	219,000	219,000
1,3,5-Trimethylbenzene	<25.0	47.7	<25.0	<u>17500</u>	NA	<25.0	44.2	1,378.7 (1)	182,000	182,000
Ethylbenzene	<25.0	<25.0	<25.0	<u>11800</u>	NA	<25.0	<25.0	1,570	8,020	35,400
Isopropylbenzene (Cumene)	<25.0	<25.0	<25.0	3260	NA	<25.0	443	NS	268,000	268,000
Naphthalene	<40.0	<40.0	<40.0	<u>17200</u>	NA	<40.0	<40.0	658.2	5,520	24,100
Tetrachloroethene	<u>50.5</u>	<25.0	<25.0	<312	NA	<25.0	<25.0	4.5	33,000	145,000
Toluene	<25.0	<25.0	<25.0	<u>1140</u>	NA	<25.0	<25.0	1,107.2	818,000	818,000
Xylenes	<75.0	<75.0	64.5	<u>45400</u>	NA	<75.0	<75.0	3,960	260,000	260,000
n-Butylbenzene	<25.0	56.6	<25.0	10100	NA	<25.0	438	NS	108,000	108,000
n-Propylbenzene	<25.0	<25.0	<25.0	12300	NA	<25.0	403	NS	264,000	264,000
p-Isopropyltoluene	<25.0	<25.0	<25.0	1480	NA	<25.0	<25.0	NS	162,000	162,000
sec-Butylbenzene	<25.0	<25.0	<25.0	2050	NA	<25.0	533	NS	145,000	145,000
tert-Butylbenzene	<25.0	<25.0	<25.0	<312	NA	<25.0	39.6	NS	183,000	183,000
PAHs (ug/kg)								ug/kg	ug/kg	ug/kg
Acenaphthene	<5.2	<4.1	<4.7	NA	<23.3	NA	NA	NS	3,590,000	45,200,000
Acenaphthylene	5.3	<3.5	<4.0	NA	<19.8	NA	NA	NS	NS	NS
Anthracene	57.8	<6.0	<6.9	NA	<34.2	NA	NA	196,949.2	17,900,000	100,000,000
Benzo(a)anthracene	23.1	<3.3	<3.8	NA	<19.0	NA	NA	NS	1,140	20,800
Benzo(a)pyrene	4.7	<2.7	<3.0	NA	<15.1	NA	NA	470	115	211
Benzo(b)fluoranthene	11.4	<3.0	<3.4	NA	<16.9	NA	NA	478.1	1,150	21,100
Benzo(g,h,i)perylene	4.8	4.1	<2.5	NA	<12.2	NA	NA	NS	NS	NS
Chrysene	25.5	5.8	<4.1	NA	<20.2	NA	NA	144.2	115,000	211,000
Dibenz(a,h)anthracene	3.0	<2.4	<2.7	NA	<13.4	NA	NA	NS	115	2,110
Fluoranthene	26.1	<5.5	<6.3	NA	<31.2	NA	NA	88,877.8	2,390,000	30,100,000
Fluorene	<5.5	<4.4	<5.0	NA	<24.8	NA	NA	14,829.9	2,390,000	30,100,000
Indeno(1,2,3-cd)pyrene	3.1	<2.3	<2.7	NA	<13.2	NA	NA	NS	1,150	21,100
1-Methylnaphthalene	221	<4.2	7.7	NA	613	NA	NA	NS	17,600	72,700
2-Methylnaphthalene	278	<5.3	10.8	NA	1360	NA	NA	NS	229,000	2,200,000
Naphthalene	54.2	<8.9	17.7	NA	<u>2040</u>	NA	NA	658.2	5,520	24,100
Phenanthrene	68.7	<12.3	<14.1	NA	<69.8	NA	NA	NS	NS	NS
Pyrene	50.8	<4.8	<5.5	NA	<27.0	NA	NA	54,545.5	1,790,000	22,600,000
RCRA Metals (mg/kg)								mg/kg	mg/kg	mg/kg
Cadmium	<0.17	0.64	<0.13	NA	<0.16	NA	NA	0.752	71.1	985
Lead	19.4	7.4	23.8	NA	2.9	28.5	17.7	27	400	800

Notes:

Table includes detected analytes only, which are right justified in the columns.

Bold type indicates concentration within the upper 4 feet of the subsurface exceeds the non-industrial direct contact RCL and, if applicable, the background level, thus constituting a soil standard exceedance.

Italic type indicates a concentration exceeds the groundwater protection RCL and, if applicable the background level, thus constituting a soil standard exceedance.

PID - Photoionization Detector

RCL - Residual Contaminant Level

VOCs - Volatile Organic Compounds

PAHs - Polynuclear Aromatic Hydrocarbons

RCRA - Resource Conservation & Recovery Act

NS - No Standard

NA - Not Applicable/Not Analyzed

(1) The groundwater protection RCL applies to combined trimethylbenzenes.

The VOC aliquotes for DP-7 collected on 12/12/16 broke and additional samples were collected on 01/10/17

The background Threshold Values for cadmium and lead are 1 mg/kg and 58 mg/kg, respectively.

**Table 3 (Page 3 of 3)
Soil Analytical Summary
Suggar Property
3100 60th Street
Kenosha, WI**

Parameters	Sample Information / Results							Residual Contaminant Levels		
Sample ID	DP-9	DP-9	DP-10	DP-10	DP-11	DP-11	SB-1	Groundwater Protection	Not to Exceed Non-Industrial Direct Contact	Not to Exceed Industrial Direct Contact Protection
Sample Depth (ft/bls)	3-4	12-13	3-4	11.5-12	3-4	11.5-12	9.5-11			
Saturation Depth (ft/bls)	14.5	14.5	12	12	14	14	11			
Saturated / Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Saturated			
Sample Date	12/12/16	12/12/16	12/12/16	12/12/16	01/10/17	01/10/17	05/14/18			
PID Reading (PPM)	0	5	0	5	0	0	0			
VOCs (ug/kg)								ug/kg	ug/kg	ug/kg
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	29	1,378.7 (1)	219,000	219,000
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1,378.7 (1)	182,000	182,000
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1,570	8,020	35,400
Isopropylbenzene (Cumene)	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NA	NS	268,000	268,000
Naphthalene	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<25.0	658.2	5,520	24,100
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NA	4.5	33,000	145,000
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1,107.2	818,000	818,000
Xylenes	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	3,960	260,000	260,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NA	NS	108,000	108,000
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NA	NS	264,000	264,000
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NA	NS	162,000	162,000
sec-Butylbenzene	<25.0	<25.0	<25.0	39.7	<25.0	<25.0	NA	NS	145,000	145,000
tert-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	NA	NS	183,000	183,000
PAHs (ug/kg)								ug/kg	ug/kg	ug/kg
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	NS	3,590,000	45,200,000
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
Anthracene	NA	NA	NA	NA	NA	NA	NA	196,949.2	17,900,000	100,000,000
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NS	1,140	20,800
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	470	115	211
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	478.1	1,150	21,100
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
Chrysene	NA	NA	NA	NA	NA	NA	NA	144.2	115,000	211,000
Dibenz(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NS	115	2,110
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	88,877.8	2,390,000	30,100,000
Fluorene	NA	NA	NA	NA	NA	NA	NA	14,829.9	2,390,000	30,100,000
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NS	1,150	21,100
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NS	17,600	72,700
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NS	229,000	2,200,000
Naphthalene	NA	NA	NA	NA	NA	NA	NA	658.2	5,520	24,100
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS
Pyrene	NA	NA	NA	NA	NA	NA	NA	54,545.5	1,790,000	22,600,000
RCRA Metals (mg/kg)								mg/kg	mg/kg	mg/kg
Cadmium	NA	NA	NA	NA	NA	NA	NA	0.752	71.1	985
Lead	6.8	8.0	10.7	5.0	3.1	7.7	NA	27	400	800

Notes:

Table includes detected analytes only, which are right justified in the columns.

Bold type indicates concentration within the upper 4 feet of the subsurface exceeds the non-industrial direct contact RCL and, if applicable, the background level, thus constituting a soil standard exceedance.

Italic type indicates a concentration exceeds the groundwater protection RCL and, if applicable the background level, thus constituting a soil standard exceedance.

PID - Photoionization Detector

RCL - Residual Contaminant Level

VOCs - Volatile Organic Compounds

PAHs - Polynuclear Aromatic Hydrocarbons

RCRA - Resource Conservation & Recovery Act

NS - No Standard

NA - Not Applicable/Not Analyzed

(1) The groundwater protection RCL applies to combined trimethylbenzenes.

The background Threshold Values for cadmium and lead are 1 mg/kg and 58 mg/kg, respectively.

Table 4 (Page 1 of 2)
Groundwater Grab Sample Analytical Results Summary
Suggar Property
3301 60th Street
Kenosha, WI

Parameters	Sample Information / Results					Groundwater Quality Standards	
Sample ID Sample Date	DP-3W 12/12/16	DP-4W 12/12/16	DP-5W 1/10/17	DP-6W 1/10/17	DP-7W 12/12/16	PAL	ES
VOCs (ug/l)						ug/l	ug/l
n-Butylbenzene	<0.50	183	387	<0.50	57.2	NS	NS
sec-Butylbenzene	<2.2	<273	<219	<2.2	<43.7	NS	NS
tert-Butylbenzene	<0.18	<22.5	<18.0	<0.18	<3.6	NS	NS
Chloromethane	<0.50	<62.5	<0.50	<0.50	<10.0	0.3	3
Ethylbenzene	<0.50	5,000	1,130	<0.50	23.5	140	700
Isopropylbenzene (Cumene)	<0.14	219	326	<0.14	75.5	NS	NS
p-Isopropyltoluene	<0.50	102	63.4	<0.50	24.7	NS	NS
n-Propylbenzene	<0.50	785	1,350	<0.50	282	NS	NS
1,2,4-Trimethylbenzene	<0.50	5.110	6.860	<0.50	1.310	96 (1)	480 (1)
1,3,5-Trimethylbenzene	<0.50	<62.5	65.4	<0.50	<10.0	96 (1)	480 (1)
Xylenes	<1.50	4,062.5	1,250	<1.50	27.4	400	2000

Notes:

Table includes detected analytes only, which are right justified in the columns.

Italic type indicates concentration exceeds PAL.

Bold type indicates concentration exceeds ES.

VOCs - Volatile Organic Compounds

PAL - NR 140 Preventive Action Limit

ES - NR 140 Enforcement Standard

NA - Not analyzed or not applicable

(1) - The groundwater quality stanadards are applied to the combined concentrations of 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Table 4 (Page 2 of 2)
Groundwater Grab Sample Analytical Results Summary
Suggar Property
3301 60th Street
Kenosha, WI

Parameters	Sample Information / Results				Groundwater Quality Standards	
Sample ID	DP-8W	DP-9W	DP-10W	DP-11W	PAL	ES
Sample Date	1/10/17	12/12/16	12/12/16	1/10/17		
VOCs (ug/l)					ug/l	ug/l
n-Butylbenzene	42.1	<0.50	<0.50	<0.50	NS	NS
sec-Butylbenzene	22.7	<2.2	<2.2	<2.2	NS	NS
tert-Butylbenzene	3.1	<0.18	<0.18	<0.18	NS	NS
Chloromethane	<5.0	<0.50	<0.50	<0.50	0.3	3
Ethylbenzene	16.4	<0.50	<0.50	<0.50	140	700
Isopropylbenzene (Cumene)	62.1	<0.14	<0.14	<0.14	NS	NS
p-Isopropyltoluene	9.0	<0.50	<0.50	<0.50	NS	NS
n-Propylbenzene	182	<0.50	<0.50	<0.50	NS	NS
1,2,4-Trimethylbenzene	<u>520</u>	<0.50	<0.50	<0.50	96 (1)	480 (1)
1,3,5-Trimethylbenzene	<u>21.2</u>	<0.50	<0.50	<0.50	96 (1)	480 (1)
Xylenes	20.6	<1.50	<1.50	<1.50	400	2000

Notes:

Table includes detected analytes only, which are right justified in the columns.

Italic type indicates concentration exceeds PAL.

Bold type indicates concentration exceeds ES.

VOCs - Volatile Organic Compounds

PAL - NR 140 Preventive Action Limit

ES - NR 140 Enforcement Standard

NA - Not analyzed or not applicable

(1) - The groundwater quality standards are applied to the combined concentrations of 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Table 5 (Page 1 of 2)
Groundwater Sample Analytical Results Summary
Suggar Property
3301 60th Street
Kenosha, WI

Parameters	Sample Information / Results								Groundwater Quality Standards	
Sample ID	MW-1		MW-2		MW-3		MW-4		PAL	ES
Sample Date	6/6/18	6/13/19	6/6/18	6/13/19	6/6/18	6/13/19	12/20/18	6/13/19		
PVOCs (ug/l)									ug/l	ug/l
Benzene	<u>3.9</u>	<u>1.9</u>	<0.31	<0.31	<0.31	1.8	<0.31	<0.31	0.5	5
Ethylbenzene	2800	1680	<0.33	<0.33	1250	1170	<0.33	<0.33	140	700
Methyl-tert-butyl-ether	9.6	6.1	<0.32	<0.32	5.7	6.2	<0.32	<0.32	12	60
Naphthalene	<u>17.9</u>	4.9	<0.51	<0.51	7.9	4.8	<0.51	<0.51	10	100
Toluene	14.6	5.5	<0.49	<0.49	5.1	4.6	<0.49	<0.49	160	800
1,2,4-Trimethylbenzene	<u>231</u>	84.6	<0.34	<0.34	1080	809	<0.34	<0.34	96 (1)	480 (1)
1,3,5-Trimethylbenzene	<u>5.4</u>	1.5	<0.33	<0.33	76.2	15.2	<0.33	<0.33	96 (1)	480 (1)
Xylenes	<u>988.7</u>	365.1	<0.98	<0.98	<u>936.9</u>	<u>830.1</u>	<0.98	<0.98	400	2000

Notes:

Table includes detected analytes only, which are right justified in the columns.

Italic type indicates concentration exceeds PAL.

Bold type indicates concentration exceeds ES.

PVOCs - Petroleum Volatile Organic Compounds

PAL - NR 140 Preventive Action Limit

ES - NR 140 Enforcement Standard

NA - Not analyzed or not applicable

(1) - The groundwater quality stanadards are applied to the combined concentrations of 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Table 5 (Page 2 of 2)
Groundwater Sample Analytical Results Summary
3301 60th Street
Suggar Property
Kenosha, WI

Parameters	Sample Information / Results									Groundwater Quality Standards		
	Sample ID	MW-5		MW-6		MW-7		MW-8		MW-9	PAL	ES
Sample Date	6/6/18	6/13/19	12/20/18	6/13/19	12/20/18	6/13/19	12/20/18	6/13/19	12/20/18	6/13/19	1/27/20	
PVOCs (ug/l)												
Benzene	<0.31	<0.31	5.2	<i>1.7</i>	79.2	42.6	<i>2.4</i>	<i>2.1</i>	<0.25		0.5	5
Ethylbenzene	<0.33	<0.33	552	<i>153</i>	2690	1440	<i>455</i>	<i>584</i>	<0.22		140	700
Methyl-tert-butyl-ether	<0.32	<0.32	<i>20.7</i>	5.2	<i>51.2</i>	<i>21.2</i>	6.6	6.7	<1.2		12	60
Naphthalene	<0.51	<0.51	80.5	<i>19.6</i>	277	127	3.1	2.9	<1.2		10	100
Toluene	<0.49	<0.49	12.7	4.8	<i>648</i>	<i>475</i>	2.7	4.5	<0.17		160	800
1,2,4-Trimethylbenzene	<0.34	<0.34	10.9	2.3	1250	663	<i>99.9</i>	<i>162</i>	<0.84		96 (1)	480 (1)
1,3,5-Trimethylbenzene	<0.33	<0.33	45.0	16.0	304	166	<i><0.66</i>	<i><1.3</i>	<0.87		96 (1)	480 (1)
Xylenes	<0.98	<0.98	34.8	9.8	2565	<i>1405</i>	47.4	63.3	<1.5		400	2000

Notes:

Table includes detected analytes only, which are right justified in the columns.

Italic type indicates concentration exceeds PAL.

Bold type indicates concentration exceeds ES.

PVOCs - Petroleum Volatile Organic Compounds

PAL - NR 140 Preventive Action Limit

ES - NR 140 Enforcement Standard

NA - Not analyzed or not applicable

(1) - The groundwater quality stanadards are applied to the combined concentrations of 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Table 6 (Page 1 of 1)
Groundwater Sample Analytical Results Summary - Monitoring Well MW-8
3301 60th Street
Suggar Property
Kenosha, WI

Sample ID	MW-8										NR 140 Standards	
	Sample Collection Date	07/09/08	10/17/08	10/19/09	01/13/10	04/28/10	07/14/10	11/09/10	04/13/11	06/06/18	06/13/19	PAL
Analyte												
PVOCs/Naphthalene (ug/l)												
Benzene	<2.5	<2.5	6.6	NA	<u>4.0</u>	<1.9	<3.9	<2.5	<u>2.4</u>	<u>2.1</u>	0.5	5
Ethylbenzene	<i>410</i>	<i>440</i>	997	NA	785	<i>669</i>	816	<i>560</i>	<i>455</i>	<i>584</i>	140	700
Methyl tert-butyl ether	<2.3	<2.3	10.2	NA	7.6	9.5	6.9	<2.3	6.6	6.7	12	60
Napthalene	<5.0	<5.0	6.8	NA	5.5	7.7	<u>15.9</u>	<u>26</u>	3.1	2.9	10	100
Toluene	4.8	3.7	6.3	NA	7.9	8.8	10.3	<2.5	2.7	4.5	160	800
1,2,4 -Trimethyl benzene	740	720	1210	NA	986	913	1090	780	99.9	162	96(1)	480(1)
1,3,5-Trimethylbenzene	<2.8	<1.9	<4.0	NA	<4.0	<2.0	<4.0	<1.9	<0.66	<1.3	96(1)	480(1)
Total Xylenes	230	280	<u>661.1</u>	NA	<u>508.8</u>	<u>414.9</u>	<u>504.8</u>	280	47.4	63.3	400	2,000

Notes:

Table includes detected analytes only.

Italic type indicates concentration exceeds PAL.

Bold type indicates concentration exceeds ES.

PVOCs - Petroleum Volatile Organic Compounds

PAL - NR 140 Preventive Action Limit

ES - NR 140 Enforcement Standard

NA - Well Inaccessible Due to Ice

(1) - The groundwater quality stanadards are applied to the combined concentrations of 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

**Table 7A (Page 1 of 3)
Monitoring Well Data
Suggar Property
3301 60th Street
Kenosha, WI**

Measurement	Well ID, Survey Date								
	MW-1 7/11/2018	MW-2 7/11/2018	MW-3 7/11/2018	MW-4 7/11/2018	MW-5 7/11/2018	MW-6 2/1/2019	MW-7 2/1/2019	MW-8 7/11/2018	MW-9 2/17/2020
TOC Elevation (ft)	629.85	630.81	630.57	630.86	631.52	631.74	630.84	630.09	629.87
Ground Surface Elevation (ft)	630.40	631.30	631.00	631.40	632.00	632.00	631.10	630.60	630.37
TOS Elevation (ft)	624.4	625.8	624.0	625.5	624.8	624.7	624.3	622.4	621.4
Screened Length (ft)	10	10	10	10	10	10	10	10	10
Total Well Depth (ft)	15.5	15.0	16.6	15.4	16.7	17.0	16.5	17.7	18.5

Notes:

The reference point is the northeast flange bolt on the fire hydrant located on the northeast corner of the intersection of 60th Street and 33rd Avenue with an elevation of 633.42 feet MSL.

TOC = Top of casing

TOS = Top of screen

NA = Not Applicable

MSL = Mean sea level

**Table 7B (Page 2 of 3)
Groundwater Elevation Data
Suggar Property
3301 60th Street
Kenosha, WI**

Measurement	Well ID, Date																									
	MW-1						MW-2						MW-3						MW-4							
	5/23/18	6/6/18	7/11/18	12/20/18	6/13/19	1/22/20	5/23/18	6/6/18	7/11/18	12/13/18	12/20/18	2/1/19	6/13/19	5/23/18	6/6/18	7/11/18	12/13/18	12/20/18	6/13/19	5/23/18	6/6/18	7/11/18	12/13/18	12/20/18	6/13/19	1/22/20
Depth to Groundwater Below TOC (ft)	9.24	9.36	9.26	9.49	9.26	9.56	10.09	10.25	10.14	10.24	10.37	10.63	10.12	9.80	9.98	9.90	10.00	10.08	9.85	10.12	10.25	10.22	10.34	10.38	10.20	10.40
Groundwater Elevation (ft)	620.61	620.49	620.59	620.36	620.59	620.29	620.72	620.56	620.67	620.57	620.44	620.18	620.69	620.77	620.59	620.67	620.57	620.49	620.72	620.74	620.61	620.64	620.52	620.48	620.66	620.46
Groundwater Depth Below Ground Surface (ft)	9.8	9.9	9.8	10.0	9.8	10.1	10.6	10.7	10.6	10.7	10.9	11.1	10.6	10.2	10.4	10.3	10.4	10.5	10.3	10.7	10.8	10.8	10.9	10.9	10.7	10.9
Water Column Height (ft)	6.3	6.1	6.2	6.0	6.2	5.9	4.9	4.8	4.9	4.8	4.6	4.4	4.9	6.8	6.6	6.7	6.6	6.5	6.8	5.3	5.2	5.2	5.1	5.0	5.2	5.0
Well Volume (gal)	5.8	5.7	NA	NA	4.7	4.7	4.5	4.3	NA	NA	NA	NA	4.3	6.1	6.0	NA	NA	NA	5.1	4.8	4.7	NA	NA	NA	4.7	4.7
Volume Removed (gal)	48	17	NA	NA	15	15	45	15	NA	NA	NA	NA	13	35	18	NA	NA	NA	16	20	14	NA	NA	NA	15	15

Notes:
 (1) = Well was purged dry
 NA = Not Applicable
 MW-1 inaccessible on 12/13/18 due to parked car
 MW-2, MW-3, MW-7 and MW-8 frozen on 1/22/20

Table 7B (Page 3 of 3)
Groundwater Elevation Measurements
Suggar Property
3301 60th Street
Kenosha, WI

Measurement	Well ID, Date																							
	5/23/18	6/6/18	7/11/18	MW-5				12/13/18	12/20/18	MW-6				12/13/18	12/20/18	MW-7			6/6/18	7/11/18	MW-8			MW-9
				12/13/18	12/20/18	6/13/19	1/22/20			02/01/19	06/13/19	1/22/20			2/1/19	6/13/19			12/13/18	12/20/18	6/13/19	1/14/20	1/22/20	
Depth to Groundwater Below TOC (ft)	10.61	10.79	10.68	10.80	10.92	10.67	10.67	11.70	11.65	11.99	11.30	11.72	10.97	10.90	11.25	10.65	9.97	9.70	9.82	9.87	9.71	11.52	11.51	
Groundwater Elevation (ft)	620.91	620.73	620.84	620.72	620.60	620.85	620.85	620.04	620.09	619.75	620.44	620.02	619.87	619.94	619.59	620.19	620.12	620.39	620.27	620.22	620.38	618.35	618.36	
Groundwater Depth Below Ground Surface (ft)	11.1	11.3	11.2	11.3	11.4	11.2	11.2	12.0	11.9	12.3	11.6	12.0	11.2	11.2	11.5	10.9	10.5	10.2	10.3	10.4	10.2	12.0	12.0	
Water Column Height (ft)	6.1	5.9	6.0	5.9	5.8	6.0	6.0	5.3	4.9	5.0	5.7	5.3	5.5	5.6	5.3	5.9	7.7	8.0	7.9	7.8	8.0	7.0	7.0	
Well Volume (gal)	5.6	5.4	NA	NA	NA	4.4	4.4	4.0	4.1	NA	4.3	4.3	4.2	4.3	NA	4.4	7.3	NA	NA	NA	5.9	5.3	5.3	
Volume Removed (gal)	20	16	NA	NA	NA	14	14	18	12	NA	13	13	9 (1)	9 (1)	NA	9 (1)	8 (1)	NA	NA	NA	8 (1)	23	16	

Notes:

(1) = Well was purged dry

NA = Not Applicable

MW-1 inaccessible on 12/13/18 due to parked car

MW-2, MW-3, MW-7 and MW-8 frozen on 1/22/20

Table 8 (Page 1 of 1)
Sub-Slab Vapor Sample Analytical Summary
Suggar Property
3301 - 60th Street
Kenosha, WI

Parameters	Sample Information / Results		Vapor Risk Screening Levels		
Sample ID	VP-1	SPV-1	Residential	Small Commercial	Large Commercial / Industrial
Sample Date	6/6/18	6/5/19			
VOCs (ug/m3)			ug/m3	ug/m3	ug/m3
Benzene	3.7	1.1	120	530	1,600
Carbon tetrachloride	0.96	<0.79	160	670	2,000
Chloroform	5.1	<0.36	40	180	530
Chloromethane	1.1	<0.29	3,100	13,000	39,000
Dichlorodifluoromethane	2.7	2.6	3,300	15,000	44,000
Ethylbenzene	3.8	1.2	370	1,600	4,900
Methylene Chloride	3.1	5.2	21,000	87,000	260,000
Naphthalene	<i>28.6</i>	<2.4	28	120	360
Tetrachloroethene	918	3.5	1,400	6,000	18,000
Toluene	28.3	3.9	170,000	730,000	2,200,000
Trichloroethene	1.1	<0.47	70	290	880
1,2,4-Trimethylbenzene	10.9	3.6	2,100	8,700	26,000
1,3,5-Trimethylbenzene	7.3	0.87	2,100	8,700	26,000
Xylenes	24.4	4.8	3,300	15,000	44,000

Notes:

Table includes detected analytes with vapor risk screening levels listed on the Wisconsin Vapor Quick Look-up Table only.

Bold type indicates concentration exceeds a commercial or industrial vapor risk screening level.

Italic type indicates a concentration exceeds the residential vapor risk screening level.

VOCs - Volatile Organic Compounds

**Site Investigation Report
Suggar Property**



**APPENDIX A
WDNR Field Forms**

Boring # B-1		Client: Heritage Bank			Drill Rig: BRIOHN				
File# R504001		Project: DAN ESPOSITO			Field Person: MPM				
Drill Date: 4/13/95		Location: 3305 60TH STREET, KENOSHA			Log Drawn by: MPM				
Depth	Elev	Description	USCS	Sample	Type	N	R	PID	
0		4" concrete, 6" basecourse							
1		Gray brown silty clay, some fine to coarse sand and gravel	ML	1	GEO-PROBE		9	4	
2				2	GEO-PROBE		8	3	
3				3	GEO-PROBE		4	3	
4		Same							
5									
6		Same							
7									
8		Brown gravel silty sand	SW	4	GEO-PROBE		14	4	
9									
10		Brown gray fine to coarse sand and gravel			5	GEO-PROBE		15	2*
11									
12		Same		6	GEO-PROBE		16	4	
13									
14		Same; wet		7	GEO-PROBE		22	4	
15									
16		Boring terminated @ 15'							
17									
18		* submitted for analytical testing							
19									
20									
21									
22									
23									
24									
25									

GRO=22
ppm

STRATIFICATION LINES ARE APPROXIMATE BOUNDARIES.
THE ACTUAL TRANSITION MAY BE GRADUAL.

GROUNDWATER DATA		DRILLING REMARKS
WATER LEVEL @ DURING DRILLING	WATER LEVEL @ ON:	BORING DRILLED GEO-PROBE
WATER LEVEL @ ON:	WATER LEVEL @ ON:	MONITORING WELL INSTALLED TO

Boring # B-2	Client: Heritage Bank	Drill Rig: BRIOHN
File# R504001	Project: DAN ESPOSITO	Field Person: MPM
Drill Date: 4/13/95	Location: 3305 60TH STREET, KENOSHA	Log Drawn by: MPM

Depth	Elev	Description	USCS	sample	Type	N	R	FID	
0									
1		Brown silty clay	ML						
2				1	GEO-PROBE		6	4	
3									
4				Same	2	GEO-PROBE		9	2
5									
6		Same; some fine to coarse sand	SW	3	GEO-PROBE		13	2	
7									
8		Same		4	GEO-PROBE		10	3	
9									
10		Brown fine to coarse sand	SW	5	GEO-PROBE		11	3	
11									
12		Gray fine to coarse sand		6	GEO-PROBE		15*	3*	
13									
14		Gray silty sand; wet	7	GEO-PROBE		23	4		
15		Boring terminated @ 15'							
16		*submitted for analytical testing							
17									
18									
19									
20									
21									
22									
23									
24									
25									

GAO = 3.5

STRATIFICATION LINES ARE APPROXIMATE BOUNDARIES.
THE ACTUAL TRANSITION MAY BE GRADUAL.

GROUNDWATER DATA		DRILLING REMARKS
WATER LEVEL @ DURING DRILLING	WATER LEVEL @ ON:	BORING DRILLED GEO-PROBE
WATER LEVEL @ ON:	WATER LEVEL @ ON:	MONITORING WELL INSTALLED TO

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

Page 1 of 1

Facility/Project Name <u>Mueller's Auto Sales and Service</u>		License/Permit/Monitoring Number		Boring Number <u>GP-12</u>	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: _____ Firm: <u>Kitson Environmental</u>		Date Drilling Started <u>04/24/2006</u> m m d d y y y y	Date Drilling Completed <u>04/24/2006</u> m m d d y y y y	Drilling Method <u>Geoprobe</u>	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level _____ Feet MSL	Surface Elevation _____ Feet MSL	Borehole Diameter _____ inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane _____ N, _____ E S/C/N			Lat _____ Long _____	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W	
Facility ID		County <u>Kenosha</u>	County Code	Civil Town/City/Village <u>Kenosha</u>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	<u>Cone</u> <u>Sandy Clay</u>	<u>Fill</u>									
			2											
			3											
			4	<u>As above</u>				<u>0</u>						
			5	<u>clay, Gry, SFF</u>	<u>CI</u>									
			6											
			7	<u>F-M Sand, Brn, Dmp</u>	<u>SP</u>			<u>0</u>						
			8											
			9	<u>clay, Gry, SFT</u>	<u>CI</u>									
			10	<u>F-M Sand, Brn</u>	<u>SP</u>									
			11	<u>Gray last 1' slight</u>										
			12	<u>Gas odor</u>				<u>100</u>						

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

Signature Sean Rowley Firm Chem Report, Inc.

SOIL BORING LOG INFORMATION

Facility/Project Name <u>3301-60th St. Kenosha, WI</u>		License/Permit/Monitoring Number _____	Boring Number <u>DP-1</u>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>Dirk</u> Last Name: _____ Firm: <u>Kifson Environmental</u>		Date Drilling Started <u>08,05,2010</u> m m d d y y y y	Date Drilling Completed <u>08,05,2010</u> m m d d y y y y
WI Unique Well No. _____	DNR Well ID No. _____	Well Name <u>DP-1</u>	Drilling Method <u>Direct Push</u>
Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL	Borehole Diameter <u>2</u> inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane _____ N, _____ E S/C/N		Lat _____ " _____ "	
NE 1/4 of NW 1/4 of Section <u>1</u> , T <u>1</u> N, R <u>22</u> W		Long _____ " _____ "	
Facility ID _____	County <u>Kenosha</u>	County Code _____	Civil Town/City/ or Village <u>Kenosha</u>

Sample Number and Type	Length An. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	2" Asphalt 4" Foundry sand clay, brn, dmp	Fill									
			2	clay w/sand, blk, dmp	Fill			0						
			3	Clay w/sand, brn-gry, stf, mst	cl/SP									
			4											
			5	As above				0						
			6											
			7											
			8	F. Sand, tan, dmp, slight odor Silt, stf, dmp, slight odor Clay w/ F. Sand	SP ml cl									
			9	M. Sand w/gravel, dmp,	SP									
			10					83						
			11	mod. odor, staining										
			12	1" silt in tip										

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

Signature Sam Ruckel Firm Chen Report, Inc.

SOIL BORING LOG INFORMATION

Facility/Project Name: 3301-60F St. Kenosha, WI License/Permit/Monitoring Number: _____ Boring Number: DP-2

Boring Drilled By: Name of crew chief (first, last) and Firm
 First Name: Dirk Last Name: _____ Date Drilling Started: 08/05/2010 Date Drilling Completed: 08/05/2010 Drilling Method: Direct Push

Firm: Kitson Environmental

WI Unique Well No. _____ DNR Well ID No. _____ Well Name: DP-2 Final Static Water Level _____ Feet MSL Surface Elevation _____ Feet MSL Borehole Diameter: 2 inches

Local Grid Origin (estimated:) or Boring Location
 State Plane: _____ N, _____ E S/C/N Lat: 0 ' _____ " Local Grid Location: _____ N _____ E
NE 1/4 of NW 1/4 of Section 1, T 1 N, R 22 W Long: 0 ' _____ " Feet S _____ Feet W

Facility ID _____ County: Kenosha County Code _____ Civil Town/City/ or Village: Kenosha

2' recovery

Sample Number and Type	Length An. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments			
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200				
			0	4" concrete													
			1	clay w/ sand Brn-DK Brn F. Sand, tan, dmp	Fill												
			2	Clay, gray, sft, wet	Fill			0									
			4	F-M Sand, brn, dmp													
			5	clay, gray, sft F-M Sand, dmp													
			6	Clay, gray, sft, moist	cl			0									
			8	F-M Sand, dmp, brn	SP												
			11	Clay w/ sand, sft, moist	cl												

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

Signature: [Signature] Firm: Cheam Report, Inc.

SOIL BORING LOG INFORMATION

Facility/Project Name Sugar Property		License/Permit/Monitoring Number	Boring Number DP-3
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Greg Last Name: Kitson Firm: Kitson Environmental		Date Drilling Started 12, 12, 2016	Date Drilling Completed 12, 12, 2016
Drilling Method Direct Push		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
WI Unique Well No.	DNR Well ID No.	Well Name DP-3W	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane N , E S/C/N		Lat 0	<input type="checkbox"/> N <input type="checkbox"/> E
NE 1/4 of NW 1/4 of Section 1, T 1 N, R 22 W		Long 0	Feet <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID	County Kenosha	County Code	Civil Town/City/Village Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Foot (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			0	6" concrete										
			1	2' Recov, clay w/ Sand, DK Brn, Dmp, SFE	Fill			0						
			4	2' Recov, F. Sand, Brn, Dmp	SP			0						
			8	As above, Grading to M. Sand, Mst										
			12	Site Gray, Mst, SFE	M1			0						

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

Signature: *Jean Crawley* Firm: Midwest Environmental/Consulting

SOIL BORING LOG INFORMATION

Facility/Project Name Sugar Property		License/Permit/Monitoring Number		Boring Number DP-4	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Greg Last Name: Kitson Firm: Kitson Environmental		Date Drilling Started 12, 12, 2016	Date Drilling Completed 12, 12, 2016	Drilling Method Direct Push	
WI Unique Well No.	DNR Well ID No.	Well Name DP-4W	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>			Local Grid Location		
State Plane N , E S/C/N			Lat 0 , 0		
NE 1/4 of NW 1/4 of Section 1, T. 1 N., R. 22 E/W			Long 0 , 0		
Facility ID		County Kenosha	County Code	Civil Town/City/Village Kenosha	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/RID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	6" Concrete	Fill			0						
			2	Clay w/ Gravel, DK Brn, Dmp	Fill									
			3	Clay w/ silt Brn, Dmp, sft	Fill									
			4	Clay w/ M. Sand, Brn, Dmp	Fill									
			5	M. Sand, Brn, Mst sp										
			6					0						
			7											
			8	As above										
			9											
			10	Silt, Gray, Mst sft	ml			40						
			11	F. Sand, Gray, Mst, stained, strong odor	SP									
			12											

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

Signature *Sean Crawley* Firm Midwest Environmental Consulting

SOIL BORING LOG INFORMATION

Facility/Project Name: Sugar Property License/Permit/Monitoring Number: _____ Boring Number: DP-5

Boring Done By: Name of crew chief (first, last) and Firm
 First Name: Greg Last Name: Kitson Date Drilling Started: 01.10.2017 Date Drilling Completed: 01.10.2017 Drilling Method: Direct Push

Firm: Kitson Environmental

WI Unique Well No. _____ DNR Well ID No. _____ Well Name: DP-5W Final Static Water Level _____ Feet MSL Surface Elevation _____ Feet MSL Borehole Diameter: 2 inches

Local Grid Origin (estimated:) or Boring Location
 State Plane: NE 14 of NW 14 of Section 1 T 1 N, R 22 EW Lat: 0 ' 00 " Long: 0 ' 00 "

Facility ID _____ County: Kenosha County Code _____ Civil Town/City/Village: Kenosha

Sample Number and Type	Length At. & Recovered (ft)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments			
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200				
			1	6" concrete													
			2	Clay w/Gravel, Dk Brn, Fik Dmp				0									
			3	Clay w/Silt, tan, Dmp, sft	CI												
			4														
			5					0									
			6														
			7	F. Sand, Gray, Mst	SP												
			8	Strong Odor													
			9	M. Sand, Brn, Dmp	SP												
			10					50									
			11	Stained Blk, Gray													
			12	last 1.5'; Strong odor													

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

Signature: Jean Cravley Firm: Midwest Environmental Consulting

SOIL BORING LOG INFORMATION

Facility/Project Name Sugar Property		License/Permit/Monitoring Number	Boring Number DP-6
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Greg Last Name: Kitson Firm: Kitson Environmental		Date Drilling Started 01.10.2017 m m d d y y y y	Date Drilling Completed 01.10.2017 m m d d y y y y
WI Unique Well No.	DNR Well ID No.	Well Name DP-6W	Drilling Method Direct Push
Final Static Water Level Foot MSL		Surface Elevation Foot MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane N , E S/C/N		Lat 0 ' "	<input type="checkbox"/> N <input type="checkbox"/> E
NE 1/4 of NW 1/4 of Section 1 , T 1 N, R 22 W		Long 0 ' "	Feet <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID	County Kenosha	County Code	Civil Town/City/Village Kenosha

Sample Number and Type	Length Att. & Recovered (ft)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	8" Concrete											
			2	1" Gravel, sand											
			3	Clay, Brn, Dmp	cl			0							
			4	As above											
			5												
			6					0							
			7												
			8	As above											
			9												
			10	F-M Sand, Brn, Dmp	SP			0							
			11												
			12												

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

Signature Sean Crawley Firm Midwest Environmental Consulting

SOIL BORING LOG INFORMATION

Facility/Project Name Sugar Property		License/Permit/Monitoring Number		Boring Number DP-7	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Greg Last Name: Kitson Firm: Kitson Environmental		Date Drilling Started 12.12.2016 M M D D Y Y Y Y	Date Drilling Completed 12.12.2016 M M D D Y Y Y Y	Drilling Method Direct Push	
WI Unique Well No.	DNR Well ID No.	Well Name DP-7W	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location		
State Plane N , E S/C/N			Lat 0 ' "		
NE 1/4 of NW 1/4 of Section 1 , T 1 N, R 22 W			Long 0 ' "		
Facility ID		County Kenosha	County Code	Civil Town/City/Village Kenosha	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	6" concrete 1' Sand & Gravel				0							
			2	Clay w/ Sand, Brn, Mst, Sft	cl			0							
			4	As above				0							
			7	M. Sand, Gry/Blk, Mst, Mod Odor	sp										
			8	As above, wet											
			9	@ 8-9', strong odor				65							

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

Signature: *Sean Crowley* Firm: Midwest Environmental Consulting

SOIL BORING LOG INFORMATION

Facility/Project Name Sugar Property		License/Permit/Monitoring Number	Boring Number DP-8
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Greg Last Name: Kitson Firm: Kitson Environmental		Date Drilling Started 01.10.2017 m m d d y y y y	Date Drilling Completed 01.10.2017 m m d d y y y y
WT Unique Well No.	DNR Well ID No.	Well Name DP-8W	Drilling Method Direct Push
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
State Plane NE <input type="checkbox"/> N, <input type="checkbox"/> E S/C/N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
NE 1/4 of NW 1/4 of Section 1 , T. 1 N., R. 22 W		Long. _____	
Facility ID	County Kenosha	County Code	Civil Town/City/Village Kenosha

Sample Number and Type	Length Alt. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	8" Concrete											
			2	10" Sand, Gravel											
			3	Clay, DK Brn, Dmp, Fill	Fill			0							
			4	SF											
			5	F. Sand, Brn, Dmp	Sp										
			6					0							
			7												
			8	As above, mod.											
			9	Odor											
			10												
			11												
			12	Gray last 6" strong				35							

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

Signature *Jean Crowley* Firm Midwest Environmental Consulting

SOIL BORING LOG INFORMATION

Facility/Project Name: Sugar Property License/Permit/Monitoring Number: _____ Boring Number: DP-9

Boring Drilled By: Name of crew chief (first, last) and Firm
 First Name: Greg Last Name: Kitson Date Drilling Started: 12.12.2016 Date Drilling Completed: 12.12.2016 Drilling Method: Direct Push

Firm: Kitson Environmental

WI Unique Well No. _____ DNR Well ID No. _____ Well Name: DP-9W Final Static Water Level _____ Feet MSL Surface Elevation _____ Feet MSL Borehole Diameter: 2 inches

Local Grid Origin (estimated:) or Boring Location
 State Plane: NE N E S W Lat: 0 Long: 0 Local Grid Location: N E S W

Facility ID _____ County: Kenosha County Code _____ Civil Town/City/Village: Kenosha

Sample Number and Type	Length At. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/Comments	
									Compressive Strength	Molature Content	Liquid Limit	Plasticity Index	P 200		
			1	4" Asphalt											
			2	1" Sand, Gravel											
			7	Clay w/ Sand, Brn, Fill Dmp				0							
			4	Clay w/ silt, F. Sand, cl Brn, Dmp.				0							
			8	M. Sand, Brn, Dmp	SP			0							
			10					0							
			11												
			12												

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

Signature: Jean Cravley Firm: Midwest Environmental Consulting

SOIL BORING LOG INFORMATION

Facility/Project Name Sugar Property		License/Permit/Monitoring Number		Boring Number DP-10	
Boring Drilled/By: Name of crew chief (first, last) and Firm First Name: Greg Last Name: Kitson Firm: Kitson Environmental		Date Drilling Started 12, 12, 2016 M M D D Y Y Y Y	Date Drilling Completed 12, 12, 2016 M M D D Y Y Y Y	Drilling Method Direct Push	
WI Unique Well No.	DNR Well ID No.	Well Name DP-10W		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		State Plane N , E S/C/N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NE 1/4 of NW 1/4 of Section 1 , T 1 N, R 22 W		County Kenosha		County Code	
Facility ID		Civil Town/City/Village Kenosha			

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	4" Asphalt											
			2	1' Sand, Gravel				0							
			3	Clay w/ Sand, Brn Fill	Fill										
			4	Dmp											
			5	Clay, DK Brn	Fill										
			6	Clay w/ sand, Brn, cl	cl			0							
			7	Mst, SFT											
			8												
			9	F. Sand, Brn, mst sp											
			10					5							
			11												
			12	Gray last 6" slight											

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

Signature: *Jean Crawley* Firm: Midwest Environmental Consulting

SOIL BORING LOG INFORMATION

Facility/Project Name Sugar Property		License/Permit/Monitoring Number	Boring Number DP-11
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Greg Last Name: Kitson Firm: Kitson Environmental		Date Drilling Started 01,10,2017	Date Drilling Completed 01,10,2017 Drilling Method Direct Push
WI Unique Well No.	DNR Well ID No.	Well Name DP-11W	Final Static Water Level Feet MSL
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Surface Elevation Feet MSL	Borehole Diameter 2 inches
State Plane NE <input type="checkbox"/> N, <input type="checkbox"/> E S/C/N		Lat 0 ' "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E
NE 1/4 of NW 1/4 of Section 1 , T 1 N, R 22 W		Long 0 ' "	Feet <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID	County Kenosha	County Code	Civil Town/City/Village Kenosha

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	FID/FID	Soil Properties					RQD/Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	8" Concrete											
			2	1' Gravel				0							
			3	Clay w/Gravel, Sand Fill											
			4	F. Sand, Brn, Dmp	sp										
			5	Clay, Gray, SFT to STF, Wet	cl			0							
			6												
			7												
			8	As above											
			9	M. Sand, Brn, Dmp	sp										
			10					0							
			11												
			12	Gray last 6", slight odor											

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

Signature Sean Crawley Firm Midwest Environmental Consulting

SOIL BORING LOG INFORMATION

Facility/Project Name Sugar Property		License/Permit/Monitoring Number		Boring Number SB-1	
Boring Drilled By: Name of crew chief (first, last) and Firm Firm Name: Adam Last Name: Firm: Geotra		Date Drilling Started 05.14.2018	Date Drilling Completed 05.14.2018	Drilling Method HSA	
WI Unique Well No.	DNR Well ID No.	Well Name MW-1	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 8 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane: N , <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NE 1/4 of NW 1/4 of Section 1 , T 1 N, R 22 W		Lat 0		Long 0	
Facility ID	County Kenosha	County Code	Civil Town/City/Village Kenosha		

Sample Number and Type	Length An. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/RID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			0	Concrete											
			1	6' Recov, Clay w/Gravel, Fill Brn/Dk Brn				0							
			2	1' Recov As above				0							
			3	F. Sand, Brn, Dmp	SP			0							
			4	As above				0							
			5	As above				0							
			6	As above				0							
			7	As above				0							
			8	As above				0							
			9	As above				0							
			10	As above				0							
			11	Gray at 11'				0							
			12												

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

Signature: [Signature] Firm: Howard Environmental Consulting

SOIL BORING LOG INFORMATION

Page 1 of 1

Facility/Project Name SUGAR PROPERTY		License/Permit/Monitoring Number	Boring Number SB-2	
Boring Drilled By: Name of crew chief (first/last) and Firm First Name: Adam Last Name: Firm: GESTRA		Date Drilling Started 05.14.2018 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	Date Drilling Completed 05.14.2018 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	Drilling Method HISA
WI Unique Well No.	DNR Well ID No.	Well Name MW-2	Final Static Water Level Feet MSL.	Surface Elevation Feet MSL.
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location		
State Plane NE 1/4 of NW 1/4 of Section 1, T 1 N, R 22 EW		Lat 0 ' "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E	
		Long 0 ' "	Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID	County Kenosha	County Code	Civil Town/City/Village Kenosha	

Sample Number and Type	Length Av. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/ID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				concrete										
				Blind Drilled to 16 Feet										

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

Signature: *Sean Bradley* Firm: Midwest Environmental Consulting

SOIL BORING LOG INFORMATION

Facility/Project Name SUGGAR PROPERTY		License/Permit/Monitoring Number	Boring Number SB-3
Boring Drilled By: Name of crew chief (first/last) and Firm First Name: Adam Last Name: Firm: GESTRA		Date Drilling Started 05.14.2018 M M D D Y Y Y Y	Date Drilling Completed 05.14.2018 M M D D Y Y Y Y
Drilling Method HISA	WT Unique Well No.	DNR Well ID No.	Well Name MW-3
Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 8 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane N, E S/C/N		Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NE 1/4 of NW 1/4 of Section L. T. 1 N, R 22 E W		Lat	Long
Facility ID	County Kenosha	County Code	Civil Town/City/Village Kenosha

Sample Number and Type	Length An. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/RID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				Concrete										
				Blind Drilled to 16 Feet										

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

Signature: *Sean Hawley* Firm: Midwest Environmental Consulting

SOIL BORING LOG INFORMATION

Facility/Project Name SUGGAR PROPERTY		License/Permit/Monitoring Number		Boring Number SB-4	
Boring Drilled By: Name of crew chief (first/last) and Firm First Name: Adam Last Name: Firm: GESTRA		Date Drilling Started 05.15.2018 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	Date Drilling Completed 05.15.2018 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	Drilling Method HISA	
WI Unique Well No.	DNR Well ID No.	Well Name MW-4	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 8 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NE 1/4 of NW 1/4 of Section L. T. 1 N, R. 22 E		Lat	Long		
Facility ID	County Kenosha	County Code	Civil Town/City/Village Kenosha		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				Asphalt										
				Blind Drilled to 16 Feet										

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

Signature *Sean Hawley* Firm Midwest Environmental Consulting

SOIL BORING LOG INFORMATION

Page 1 of 1

Facility/Project Name SUGGAR PROPERTY		License/Permit/Monitoring Number		Boring Number SB-5	
Boring Drilled By: Name of crew chief (first/last) and Firm First Name: Adam Last Name: Firm: GESTRA		Date Drilling Started 05.15.2018 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	Date Drilling Completed 05.15.2018 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	Drilling Method HSA	
WI Unique Well No.	DNR Well ID No.	Well Name MW-5	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 8 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
NE 1/4 of NW 1/4 of Section 1, T 1 N, R 22 EW		County Kenosha	County Code	Civil Town/City/Village Kenosha	

Sample Number and Type	Length Cut & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/RID	Soil Properties					RQD/Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				Asphalt											
				Blind Drilled to 16 Feet											

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

Signature: *Sean Hawley* Firm: Midwest Environmental Consulting

SOIL BORING LOG INFORMATION

Facility/Project Name SUGGAR PROPERTY		License/Permit/Monitoring Number		Boring Number SB-6	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Adam Last Name: Firm: GLSTRA		Date Drilling Started 12/11/2018	Date Drilling Completed 12/11/2018	Drilling Method HISA	
WI Unique Well No.	DNR Well ID No.	Well Name MW-6	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 8 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane N		Local Grid Location	
NE 1/4 of NW 1/4 of Section 1 , T 1 N, R 22 EW		Lat	Long	<input type="checkbox"/> N Feet <input type="checkbox"/> S	<input type="checkbox"/> E Feet <input type="checkbox"/> W
Facility ID		County Kenosha	County Code	Civil Town/City/Village Kenosha	

Sample Number and Type	Length Av. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	2" Asphalt 2" Gravel clay w/ sand, Dmp DK Brn	CI			0							
			2	2" Recovery, Gravel	G										
			4	Clay, StF, DK Brn, Dmp	EI										
			5	F. Sand, Brn, Dmp	SP			0							
			7	As above				0							
			9	As above				0							
			10	As above				0							
			11					0							

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

Signature: Sean Hawley Firm: Midwest Environmental Consulting

SOIL BORING LOG INFORMATION

Facility/Project Name SUGGAR PROPERTY		License/Permit/Monitoring Number	Boring Number SB-7
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Adam Last Name: Firm: GE STRA		Date Drilling Started 12/11/2018	Date Drilling Completed 12/11/2018
Drilling Method HISA	WI Unique Well No.	DNR Well ID No.	Well Name MW-7
Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 8 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane N	E S/C/N E	Lat 0	Long 0
NE 1/4 of NW 1/4 of Section 1, T 1 N, R 22 EW		<input type="checkbox"/> N <input type="checkbox"/> S	<input type="checkbox"/> E <input type="checkbox"/> W
Facility ID	County Kenosha	County Code	Civil Town/City/Village Kenosha

Sample Number and Type	Length A.S. #	Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/Comments		
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
				1	8" Concrete												
				2	2" Recovery, clay, CI sff, Brn												
				3	2" Recovery, as above												
				4	1' Recovery, v/sand Sp Brn, Dmp.				0								
				7	As above				0								
				9	As above				0								
				12	Silt, Brn, Mst, slight odor	WI			10								

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

Signature Sean Huley	Firm Midwest Environmental Consulting
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Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Page 1 of 2

Facility/Project Name <u>Mueller's Auto Sales and Service</u>			License/Permit/Monitoring Number _____		Boring Number <u>MW-8</u>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: _____ Firm: <u>Gestra Engineering</u>			Date Drilling Started <u>04/03/2008</u> m m d d y y y y	Date Drilling Completed <u>04/03/2008</u> m m d d y y y y	Drilling Method <u>HSA</u>
WI Unique Well No. _____	DNR Well ID No. _____	Well Name <u>MW-</u>	Final Static Water Level _____ Feet MSL	Surface Elevation _____ Feet MSL	Borehole Diameter <u>8</u> inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location		
State Plane _____ N, _____ E S/C/N			Lat _____ "	_____ Feet <input type="checkbox"/> N <input type="checkbox"/> E _____ Feet <input type="checkbox"/> S <input type="checkbox"/> W	
SE 1/4 of SW 1/4 of Section <u>36</u> , T <u>2</u> N, R <u>22</u> W			Long _____ "		
Facility ID _____	County <u>Kenosha</u>	County Code _____	Civil Town/City/Village <u>Kenosha</u>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	Clay, Brn, Mottled, sst	Fill			0							
			2												
			3												
			4	F. Sand, Brn, Dmp	Fill			0							
			5												
			6												
			7	F-M Sand, Brn, Dmp	Fill			0							
			8												
			9	As Above, Gry, mst	Fill			78							
			10	moderate odor											
			11												
			12	Silt w/ F. Sand, Gry, wet	ml/sf			46							

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

Signature Sean Rowley Firm Chem Report, Inc.

SOIL BORING LOG INFORMATION

Facility/Project Name SUGGAR PROPERTY		License/Permit/Monitoring Number		Boring Number SB-9	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Steve Last Name: Firm: GESTRA		Date Drilling Started 01/14/2020 m m d d y y y y	Date Drilling Completed 01/14/2020 m m d d y y y y	Drilling Method HSA	
WI Unique Well No.	DNR Well ID No.	Well Name MW-9	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 8 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane <input type="checkbox"/> N <input type="checkbox"/> E S/C/N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NE 1/4 of NW 1/4 of Section 1 , T 1 N, R 22 E/W		Lat 0 ' "	Long 0 ' "		
Facility ID	County Kenosha	County Code	Civil Town/City/Village Kenosha		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments				
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200					
			1															
			2															
			3															
			4															
			5	Clay Slough														
			6	F. Sand, Brn, mst	SP			0										
			7															
			8															
			9															
			10	VF. Sand, Brn, mst	SP			0										
			11															
			12															

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

Signature: Sean Huley Firm: Midwest Environmental Consulting

Facility/Project Name <u>SUGGAN Property</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-1</u>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ Long. _____	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>05/14/2018</u> m m d d y y y y
Type of Well Well Code <u>1</u>	Section Location of Waste/Source <u>NE 1/4 of NW 1/4 of Sec. 1, T. 1, N. R. 22</u> <input checked="" type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Adam Gestra</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation _____ ft. MSL		1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL		2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL		d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.		3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>		4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>		6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input checked="" type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99		7. Fine sand material: Manufacturer, product name & mesh size a. <u>Fine Sand</u> b. Volume added <u>1 FT</u> ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____		8. Filter pack material: Manufacturer, product name & mesh size a. <u>Flint Sand</u> b. Volume added <u>11 FT</u> ft ³
17. Source of water (attach analysis, if required): _____		9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>	
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Manufacturer _____ c. Slot size: _____ 0.018 in. d. Slotted length: _____ 1 ft.	
G. Filter pack, top _____ ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input type="checkbox"/>	
H. Screen joint, top _____ ft. MSL or _____ ft.		
I. Well bottom _____ ft. MSL or _____ ft.		
J. Filter pack, bottom _____ ft. MSL or _____ ft.		
K. Borehole, bottom _____ ft. MSL or _____ ft.		
L. Borehole, diameter _____ 8 in.		
M. O.D. well casing _____ 2 in.		
N. I.D. well casing _____ 1.8 in.		

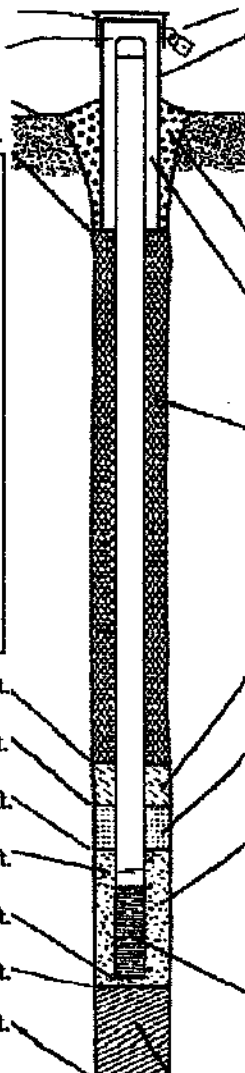
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Sean Coulter Firm: Midwest Env. Consulting

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name <u>SUGGAR Property</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-2</u>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>	Wis. Unique Well No. <input type="checkbox"/> DNR Well ID No. <input type="checkbox"/>
Facility ID	Lat. _____ Long. _____	Date Well Installed <u>05/14/2018</u>
Type of Well Well Code <u>1</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Well Installed By: Name (first, last) and Firm <u>Adam Gestra</u>
Distance from Waste/Source _____ ft.	Section Location of Waste/Source <u>NE 1/4 of NW 1/4 of Sec. 1 T. 1 N. R. 22</u>	Gov. Lot Number _____
Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source a <input type="checkbox"/> Upgradient s <input checked="" type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in.
C. Land surface elevation _____ ft. MSL	b. Length: _____ ft.
D. Surface seal, bottom _____ ft. MSL or _____ ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input checked="" type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
17. Source of water (attach analysis, if required): _____	7. Fine sand material: Manufacturer, product name & mesh size a. <u>Fine Sand</u>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	b. Volume added <u>1 FT</u> ft ³
F. Fine sand, top _____ ft. MSL or _____ ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Flint Sand</u>
G. Filter pack, top _____ ft. MSL or _____ ft.	b. Volume added <u>11 FT</u> ft ³
H. Screen joint, top _____ ft. MSL or _____ ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
I. Well bottom _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u>
J. Filter pack, bottom _____ ft. MSL or _____ ft.	a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or _____ ft.	b. Manufacturer _____
L. Borehole, diameter _____ in.	c. Slot size: _____ 0.019 in.
M. O.D. well casing _____ in.	d. Slotted length: _____ ft.
N. I.D. well casing _____ in.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input type="checkbox"/>

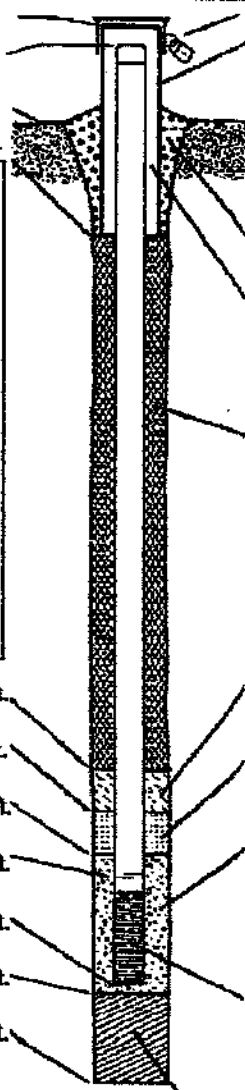


I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature Sean Coulter Firm Midwest Env. Consulting

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name <u>Suggan Property</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-3</u>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ Long. _____	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. SAC/N	Date Well Installed <u>05/14/2018</u> m m d d y y y y
Type of Well Well Code <u>1</u>	Section Location of Waste/Source <u>NE 1/4 of NW 1/4 of Sec. 1, T. 1 N, R. 22 W</u>	Well Installed By: Name (first, last) and Firm <u>Adam Gestra</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	
	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
	Gov. Lot Number _____	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in.
C. Land surface elevation _____ ft. MSL	b. Length: _____ ft.
D. Surface seal, bottom _____ ft. MSL or _____ ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input checked="" type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
17. Source of water (attach analysis, if required): _____	7. Fine sand material: Manufacturer, product name & mesh size a. <u>Fine Sand</u>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	b. Volume added <u>1 FT</u> ft ³
F. Fine sand, top _____ ft. MSL or _____ ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Fine Sand</u>
G. Filter pack, top _____ ft. MSL or _____ ft.	b. Volume added <u>11 FT</u> ft ³
H. Screen joint, top _____ ft. MSL or _____ ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
I. Well bottom _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u>
J. Filter pack, bottom _____ ft. MSL or _____ ft.	a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or _____ ft.	b. Manufacturer _____
L. Borehole, diameter _____ in.	c. Slot size: _____ 0.01 in.
M. O.D. well casing _____ in.	d. Slotted length: _____ 1 ft.
N. I.D. well casing _____ in.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input type="checkbox"/>



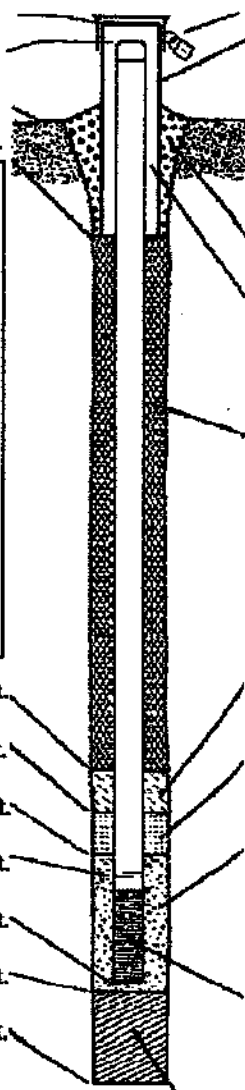
I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature Sean Guler From Midwest Env. Consulting

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

Facility/Project Name <u>SUGAR PAPER Co</u>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name <u>MW-4</u>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ Long. _____	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/15/2018</u> m m d d y y y y
Type of Well Well Code <u>1</u>	Section Location of Waste/Source <u>NE 1/4 of NW 1/4 of Sec. 1, T. 1 N, R. 22</u>	Well Installed By: Name (first, last) and Firm <u>Adam Gestra</u>
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input checked="" type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in.
C. Land surface elevation _____ ft. MSL	b. Length: _____ ft.
D. Surface seal, bottom _____ ft. MSL or _____ ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> OM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
17. Source of water (attach analysis, if required): _____	7. Fine sand material: Manufacturer, product name & mesh size a. <u>Fine Sand</u>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	b. Volume added <u>1 FT</u> ft ³
F. Fine sand, top _____ ft. MSL or _____ ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Flint Sand</u>
G. Filter pack, top _____ ft. MSL or _____ ft.	b. Volume added <u>11 FT</u> ft ³
H. Screen joint, top _____ ft. MSL or _____ ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
I. Well bottom _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u>
J. Filter pack, bottom _____ ft. MSL or _____ ft.	a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or _____ ft.	b. Manufacturer _____
L. Borehole, diameter _____ in.	c. Slot size: _____ 0.019 in.
M. O.D. well casing _____ in.	d. Slotted length: _____ in.
N. I.D. well casing _____ in.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input type="checkbox"/>

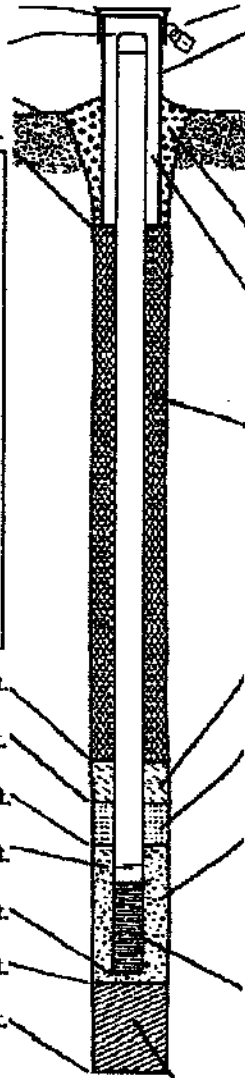


I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature Sean Gula Firm Midwest Env. Consulting

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Facility/Project Name Sugarcu Property	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-5
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location Lat. _____ Long. _____	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. SAC/N	Date Well Installed 05/13/2018
Type of Well Well Code _____	Section Location of Waste/Source NE 1/4 of NW 1/4 of Sec. 1, T. 1 N, R. 22	Well Installed By: Name (first, last) and Firm Adam Gestra
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input checked="" type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in.
C. Land surface elevation _____ ft. MSL	b. Length: _____ ft.
D. Surface seal, bottom _____ ft. MSL or _____ ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> OC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
17. Source of water (attach analysis, if required): _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input checked="" type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	7. Fine sand material: Manufacturer, product name & mesh size a. <u>Fine Sand</u>
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Volume added <u>1 FT</u> ft ³
G. Filter pack, top _____ ft. MSL or _____ ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Fine Sand</u>
H. Screen joint, top _____ ft. MSL or _____ ft.	b. Volume added <u>1 FT</u> ft ³
I. Well bottom _____ ft. MSL or _____ ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
J. Filter pack, bottom _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u>
K. Borehole, bottom _____ ft. MSL or _____ ft.	a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
L. Borehole, diameter _____ in.	b. Manufacturer _____
M. O.D. well casing _____ in.	c. Slot size: _____ 0.019 in.
N. I.D. well casing _____ in.	d. Slotted length: _____ 1 ft.
	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input type="checkbox"/>



I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: Sean Coulter Firm: Midwest Env. Consulting

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name <u>Suogau Property</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-6</u>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ " or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>12/11/2018</u> M M D D Y Y Y Y
Type of Well Well Code <u>1</u>	Section Location of Waste/Source <u>NE 1/4 of NW 1/4 of Sec. 1, T. 1, N. R. 22</u> <input checked="" type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Adam Gestra</u>
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____

A. Protective pipe, top elevation <u>622.00</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>631.74</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>10</u> in. b. Length: <u>1</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>632.00</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or <u>5.0</u> ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input checked="" type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input checked="" type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. <u>Fine Sand</u> b. Volume added <u>1 FT</u> ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Flint Sand</u> b. Volume added <u>17 FT</u> ft ³
17. Source of water (attach analysis, if required): _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <u>5.0</u> ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or <u>5.0</u> ft.	b. Manufacturer _____ c. Slot size: <u>0.019</u> in. d. Slotted length: <u>10</u> ft.
G. Filter pack, top _____ ft. MSL or <u>6.0</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or <u>7.0</u> ft.	
I. Well bottom _____ ft. MSL or <u>17.0</u> ft.	
J. Filter pack, bottom _____ ft. MSL or <u>18.0</u> ft.	
K. Borehole, bottom _____ ft. MSL or <u>18.0</u> ft.	
L. Borehole, diameter <u>8</u> in.	
M. O.D. well casing <u>2</u> in.	
N. I.D. well casing <u>1.8</u> in.	

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

Signature Sean Gula Firm Midwest Env. Consulting

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name <u>Suagau Property</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-7</u>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ " or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>12/11/2018</u> M M D D Y Y Y Y
Type of Well Well Code <u>1</u>	Section Location of Waste/Source <u>NE 1/4 of NW 1/4 of Sec. 1, T. 1 N. R. 22 W</u>	Well Installed By: Name (first, last) and Firm <u>Adam Gestra</u>
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidgradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
Enf. Stds. Apply <input type="checkbox"/>	Gov. Lot Number _____	

A. Protective pipe, top elevation <u>631.10</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>630.84</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>10</u> in. b. Length: <u>1</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>631.10</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or <u>4.5</u> ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input checked="" type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input checked="" type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. <u>Fine Sand</u> b. Volume added <u>1 FT</u> ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Flint Sand</u> b. Volume added <u>11 FT</u> ft ³
17. Source of water (attach analysis, if required): _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <u>4.5</u> ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or <u>4.5</u> ft.	b. Manufacturer _____ c. Slot size: <u>0.019</u> in. d. Slotted length: <u>10</u> in.
G. Filter pack, top _____ ft. MSL or <u>5.5</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or <u>6.5</u> ft.	
I. Well bottom _____ ft. MSL or <u>16.5</u> ft.	
J. Filter pack, bottom _____ ft. MSL or <u>18.0</u> ft.	
K. Borehole, bottom _____ ft. MSL or <u>19.0</u> ft.	
L. Borehole, diameter <u>8</u> in.	
M. O.D. well casing <u>2</u> in.	
N. I.D. well casing <u>1.8</u> in.	

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

Signature Gene Anderson Firm Midwest Env. Consulting

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name <i>Mueller's Auto Sales</i>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <i>MW-8</i>	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. DNR Well ID No.	
Facility ID		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed <i>0410312008</i> m m d d y y y y	
Type of Well Well Code <i>1</i>		Section Location of Waste/Source <i>SE 1/4 of SW 1/4 of Sec. 36, T. 2 N, R. 22 E W</i>		Well Installed By: Name (first, last) and Firm <i>Wis. Soil Testing</i>	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number	

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

13. Sieve analysis performed? Yes No

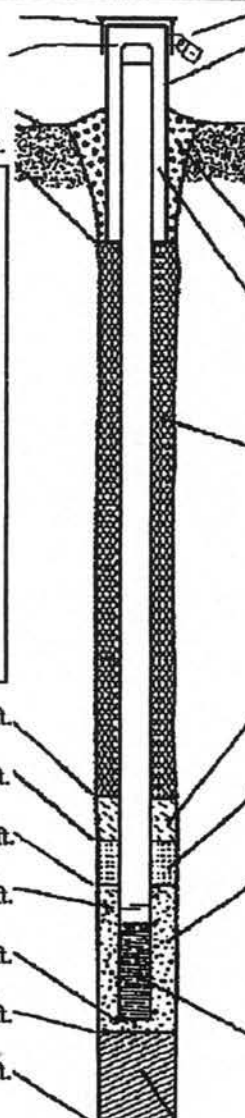
14. Drilling method used: Rotary 50
 Hollow Stem Auger 41
 Other

15. Drilling fluid used: Water 02 Air 01
 Drilling Mud 03 None 99

16. Drilling additives used? Yes No

Describe _____

17. Source of water (attach analysis, if required):



1. Cap and lock? Yes No

2. Protective cover pipe:
 a. Inside diameter: *1.0 in.*
 b. Length: *1.0 ft.*
 c. Material: Steel 04
 Other

d. Additional protection? Yes No
 If yes, describe: _____

3. Surface seal: Bentonite 30
 Concrete 01
 Other

4. Material between well casing and protective pipe:
 Bentonite 30
 Other

5. Annular space seal: a. Granular/Chipped Bentonite 33
 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry 35
 c. _____ Lbs/gal mud weight ... Bentonite slurry 31
 d. _____ % Bentonite ... Bentonite-cement grout 50
 e. _____ Ft³ volume added for any of the above
 f. How installed: Tremie 01
 Tremie pumped 02
 Gravity 08

6. Bentonite seal: a. Bentonite granules 33
 b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
 c. _____ Other

7. Fine sand material: Manufacturer, product name & mesh size
 a. *Silica Sand*
 b. Volume added *1.0 cu ft*

8. Filter pack material: Manufacturer, product name & mesh size
 a. *Flint Sand*
 b. Volume added *11.0 cu ft*

9. Well casing: Flush threaded PVC schedule 40 23
 Flush threaded PVC schedule 80 24
 Other

10. Screen material: *PVC*
 a. Screen type: Factory cut 11
 Continuous slot 01
 Other

b. Manufacturer _____
 c. Slot size: *0.010 in.*
 d. Slotted length: *1.0 ft.*

11. Backfill material (below filter pack): None 14
 Other

E. Bentonite seal, top _____ ft. MSL or *1.0 ft.*

F. Fine sand, top _____ ft. MSL or *5.5 ft.*

G. Filter pack, top _____ ft. MSL or *6.5 ft.*

H. Screen joint, top _____ ft. MSL or *7.5 ft.*

I. Well bottom _____ ft. MSL or *17.5 ft.*

J. Filter pack, bottom _____ ft. MSL or *17.5 ft.*

K. Borehole, bottom _____ ft. MSL or *17.5 ft.*

L. Borehole, diameter *8.0 in.*

M. O.D. well casing *2.0 in.*

N. I.D. well casing *1.9 in.*

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

Signature *[Signature]* Firm *Chem Report, Inc.*

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name <i>Suggan Property</i>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <i>MW-9</i>
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. " Long. " or " "	Wis. Unique Well No. DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed <i>02/14/2020</i>
Type of Well Well Code <i>1</i>	Section Location of Waste/Source <i>NE 1/4 of NW 1/4 of Sec. 1, T. 1 N, R. 22 E W</i>	Well Installed By: Name (first, last) and Firm <i>Steve Gestra</i>
Distance from Waste/Source ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known

A. Protective pipe, top elevation	ft. MSL	1. Cap and lock?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation	ft. MSL	2. Protective cover pipe:	
C. Land surface elevation	ft. MSL	a. Inside diameter:	<i>10 in.</i>
D. Surface seal, bottom	ft. MSL or <i>6.0 ft.</i>	b. Length:	<i>1 ft.</i>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input checked="" type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>		c. Material:	Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		d. Additional protection?	<input type="checkbox"/> Yes <input type="checkbox"/> No
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>		3. Surface seal:	Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99		4. Material between well casing and protective pipe:	Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		5. Annular space seal:	a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. Ft ³ volume added for any of the above
17. Source of water (attach analysis, if required):		f. How installed:	Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
E. Bentonite seal, top	ft. MSL or <i>6.0 ft.</i>	6. Bentonite seal:	a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. Other <input type="checkbox"/>
F. Fine sand, top	ft. MSL or <i>6.5 ft.</i>	7. Fine sand material: Manufacturer, product name & mesh size	a. <i>Fine Sand</i>
G. Filter pack, top	ft. MSL or <i>7.5 ft.</i>	b. Volume added	<i>1 FT</i> ft ³
H. Screen joint, top	ft. MSL or <i>8.5 ft.</i>	8. Filter pack material: Manufacturer, product name & mesh size	a. <i>Flint Sand</i>
I. Well bottom	ft. MSL or <i>18.5 ft.</i>	b. Volume added	<i>11 FT</i> ft ³
J. Filter pack, bottom	ft. MSL or <i>20.0 ft.</i>	9. Well casing:	Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
K. Borehole, bottom	ft. MSL or <i>20.0 ft.</i>	10. Screen material:	<i>PVC</i>
L. Borehole, diameter	<i>8</i> in.	a. Screen type:	Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
M. O.D. well casing	<i>2</i> in.	b. Manufacturer	
N. I.D. well casing	<i>1.8</i> in.	c. Slot size:	<i>0.01 in.</i>
		d. Slotted length:	<i>10 in.</i>
		11. Backfill material (below filter pack):	None <input type="checkbox"/> 14 Other <input type="checkbox"/>

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

Signature *Sean Anlon* Firm *Midwest Env. Consulting*

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

Facility/Project Name <u>Sugar Property</u>	County Name <u>Kenosha</u>	Well Name <u>MW-1</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- 41 surged with bailer and bailed
 - 61 surged with bailer and pumped
 - 42 surged with block and bailed
 - 62 surged with block and pumped
 - 70 surged with block, bailed and pumped
 - 20 compressed air
 - 10 bailed only
 - 51 pumped only
 - 50 pumped slowly
 - Other _____
3. Time spent developing well 60 min.
4. Depth of well (from top of well casing) 15.5 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 5.8 gal.
7. Volume of water removed from well 48.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

11. Depth to Water (from top of well casing)
- | | Before Development | After Development |
|----------|--|---|
| a. _____ | <u>9.24</u> ft. | <u>11.29</u> ft. |
| Date | <u>05/23/2018</u>
m m d d y y y y | <u>05/23/2018</u>
m m d d y y y y |
| Time | <u>9:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. | <u>10:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. |
12. Sediment in well bottom 0.0 inches
13. Water clarity
- | | Before Development | After Development |
|---|--|-------------------|
| Clear <input type="checkbox"/> 10 | <input checked="" type="checkbox"/> 20 | |
| Turbid <input checked="" type="checkbox"/> 15 | <input type="checkbox"/> 25 | |
| (Describe) | (Describe) | |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids _____ mg/l
15. COD _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Sean Last Name: Cranley

Firm: Midwest Environmental Consulting

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Jose Last Name: Deha

Facility/Firm: A1 Auto Sales & Service

Street: 3301 60th St.

City/State/Zip: Kenosha, WI 53144

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

Signature: Sean Cranley

Print Name: Sean Cranley

Firm: Midwest Env. Consulting

NOTE: See instructions for more information including a list of county codes and well type codes.

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

Facility/Project Name <u>SUGGAR PROPERTY</u>	County Name <u>Kenosha</u>	Well Name <u>MW-2</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other
3. Time spent developing well 60 min.
4. Depth of well (from top of well casing) 15.8 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 4.5 gal.
7. Volume of water removed from well _____ gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | Before Development | After Development |
|--|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>10.09</u> ft. | <u>11.57</u> ft. |
| Date | b. <u>05/23/2018</u>
m m d d y y y y | <u>05/23/2018</u>
m m d d y y y y |
| Time | c. <u>10:10</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. | <u>11:10</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. |
| 12. Sediment in well bottom | <u>0.0</u> inches | <u>0.0</u> inches |
| 13. Water clarity | Clear <input type="checkbox"/> 10
Turbid <input checked="" type="checkbox"/> 15
(Describe) | Clear <input checked="" type="checkbox"/> 20
Turbid <input type="checkbox"/> 25
(Describe) |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids _____ mg/l _____ mg/l
15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm
 First Name: Sean Last Name: Cranley
 Firm: Midwest Environmental Consulting

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Jose Last Name: Ochoa

Facility/Firm: A1 Auto Sales & Service

Street: 3301 60th St.

City/State/Zip: Kenosha, WI 53144

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

Signature: Sean Cranley

Print Name: Sean Cranley

Firm: Midwest Env. Consulting

NOTE: See instructions for more information including a list of county codes and well type codes.

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

Facility/Project Name <u>Sugar Property</u>	County Name <u>Kenosha</u>	Well Name <u>MW-3</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input checked="" type="checkbox"/> 41
surged with bailer and pumped	<input type="checkbox"/> 61
surged with block and bailed	<input type="checkbox"/> 42
surged with block and pumped	<input type="checkbox"/> 62
surged with block, bailed and pumped	<input type="checkbox"/> 70
compressed air	<input type="checkbox"/> 20
bailed only	<input type="checkbox"/> 10
pumped only	<input type="checkbox"/> 51
pumped slowly	<input type="checkbox"/> 50
Other	<input type="checkbox"/>

3. Time spent developing well 45 min.

4. Depth of well (from top of well casing) 16.5 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 6.1 gal.

7. Volume of water removed from well 35.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>9.80</u> ft.	<u>10.63</u> ft.
Date	b. <u>05/23/2018</u>	<u>05/23/2018</u>
Time	c. <u>11:15</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>12:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe)	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Sean Last Name: Cranley

Firm: Midwest Environmental Consulting

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Jose Last Name: Ochoa

Facility/Firm: A1 Auto Sales & Service

Street: 3301 60th St.

City/State/Zip: Kenosha, WI 53144

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

Signature: Sean Cranley

Print Name: Sean Cranley

Firm: Midwest Env. Consulting

NOTE: See instructions for more information including a list of county codes and well type codes.

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

Facility/Project Name <u>Sugar Property</u>	County Name <u>Kenosha</u>	Well Name <u>MW-4</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input checked="" type="checkbox"/> 41
surged with bailer and pumped	<input type="checkbox"/> 61
surged with block and bailed	<input type="checkbox"/> 42
surged with block and pumped	<input type="checkbox"/> 62
surged with block, bailed and pumped	<input type="checkbox"/> 70
compressed air	<input type="checkbox"/> 20
bailed only	<input type="checkbox"/> 10
pumped only	<input type="checkbox"/> 51
pumped slowly	<input type="checkbox"/> 50
Other _____	<input type="checkbox"/>

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 15.4 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 48 gal.

7. Volume of water removed from well 20.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>10.12</u> ft.	<u>11.30</u> ft.
Date	b. <u>05/23/2018</u> m m d d y y y y	<u>05/23/2018</u> m m d d y y y y
Time	c. <u>12:10</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>12:40</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe)	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l
16. Well developed by: Name (first, last) and Firm		
First Name:	<u>Sean</u>	Last Name: <u>Cranley</u>
Firm:	<u>Midwest Environmental Consulting</u>	

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Jose Last Name: Ochoa

Facility/Firm: A1 Auto Sales & Service

Street: 3301 60th St.

City/State/Zip: Kenosha, WI 53144

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

Signature: Sean Cranley

Print Name: Sean Cranley

Firm: Midwest Env. Consulting

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

Facility/Project Name <u>Sugar Property</u>	County Name <u>Kenosha</u>	Well Name <u>MW-5</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other
3. Time spent developing well 30 min.
4. Depth of well (from top of well casing) 16.5 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 5.6 gal.
7. Volume of water removed from well 20.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

11. Depth to Water (from top of well casing)
- | | Before Development | After Development |
|----------|---|--|
| a. _____ | <u>10.61</u> ft. | <u>11.83</u> ft. |
| Date | <u>05/23/2018</u>
m m d d y y y y | <u>05/23/2018</u>
m m d d y y y y |
| Time | <u>12:50</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. | <u>1:20</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
12. Sediment in well bottom 0.0 inches
13. Water clarity
- | | Before Development | After Development |
|---|--|--|
| Clear <input type="checkbox"/> 10 | <input type="checkbox"/> 10 | Clear <input checked="" type="checkbox"/> 20 |
| Turbid <input checked="" type="checkbox"/> 15 | <input checked="" type="checkbox"/> 15 | Turbid <input type="checkbox"/> 25 |
| (Describe) | | (Describe) |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids _____ mg/l _____ mg/l
15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Sean Last Name: Cranley

Firm: Midwest Environmental Consulting

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Jose Last Name: Ochoa

Facility/Firm: A1 Auto Sales & Service

Street: 3301 60th St.

City/State/Zip: Kenosha, WI 53144

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

Signature: Sean Cranley

Print Name: Sean Cranley

Firm: Midwest Env. Consulting

NOTE: See instructions for more information including a list of county codes and well type codes.

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

Facility/Project Name <u>Sugar Property</u>	County Name <u>Kenosha</u>	Well Name <u>MW-6</u>
Facility License, Permit or Monitoring Number	County Code	Wia. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other
3. Time spent developing well 20 min.
4. Depth of well (from top of well casing) 17.0 ft.
5. Inside diameter of well 3.00 in.
6. Volume of water in filter pack and well casing 40 gal.
7. Volume of water removed from well 18.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

11. Depth to Water (from top of well casing)
- | | | |
|----|---------------------------|--------------------------|
| | <u>Before Development</u> | <u>After Development</u> |
| a. | <u>11.70</u> ft. | <u>11.93</u> ft. |
- Date b. 12/14/2018 12/13/2018
m m d d y y y y m m d d y y y y
- Time c. 11:15 a.m. p.m. 11:35 a.m. p.m.
12. Sediment in well bottom 0.0 inches 0.0 inches
13. Water clarity
- | | |
|---|--|
| Clear <input type="checkbox"/> 10 | Clear <input checked="" type="checkbox"/> 20 |
| Turbid <input checked="" type="checkbox"/> 15 | Turbid <input type="checkbox"/> 25 |
| (Describe) | (Describe) |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids _____ mg/l _____ mg/l
15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm
 First Name: Sean Last Name: Cranley
 Firm: Midwest Environmental Consulting

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Jose Last Name: Ochoa

Facility/Firm: A1 Auto Sales & Service

Street: 3301 60th St.

City/State/Zip: Kenosha, WI 53144

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

Signature: Sean Cranley

Print Name: Sean Cranley

Firm: Midwest Env. Consulting

NOTE: See instructions for more information including a list of county codes and well type codes.

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

Facility/Project Name <u>Sugar Property</u>	County Name <u>Kenosha</u>	Well Name <u>MW-7</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

- surged with bailer and bailed 41
- surged with bailer and pumped 61
- surged with block and bailed 42
- surged with block and pumped 62
- surged with block, bailed and pumped 70
- compressed air 20
- bailed only 10
- pumped only 51
- pumped slowly 50
- Other

3. Time spent developing well 15 min.

4. Depth of well (from top of well casing) 16.5 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 4.2 gal.

7. Volume of water removed from well 9.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(if yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>10.97</u> ft.	<u>11.09</u> ft.
Date	b. <u>12/13/2018</u> m m d d y y y y	<u>12/13/2018</u> m m d d y y y y
Time	c. <u>11:50</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>12:05</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe)	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l
16. Well developed by: Name (first, last) and Firm		
First Name:	<u>Sean</u>	
Last Name:	<u>Cranley</u>	
Firm:	<u>Midwest Environmental Consulting</u>	

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Jose Last Name: Ochoa

Facility/Firm: A1 Auto Sales & Service

Street: 3301 60th St.

City/State/Zip: Kenosha, WI 53144

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

Signature: Sean Cranley

Print Name: Sean Cranley

Firm: Midwest Env. Consulting

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

Facility/Project Name <u>Mueller's Auto</u>	County Name <u>Kenosha</u>	Well Name <u>MW-8</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other
3. Time spent developing well 20 min.
4. Depth of well (from top of well casing) 17.2 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing _____ gal.
7. Volume of water removed from well 10.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>10.09</u> ft.	<u>DRY</u> ft.
Date	b. <u>05/20/2008</u> m m d d y y y y	<u>05/20/2008</u> m m d d y y y y
Time	c. <u>10:50</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:10</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe)	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l
16. Well developed by: Name (first, last) and Firm		
First Name:	<u>Sean</u>	Last Name: <u>Cranley</u>
Firm:	<u>Chem Report, Inc.</u>	

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Tania Last Name: Curren

Facility/Firm: Mueller's Auto

Street: 3300 60th St.

City/State/Zip: Kenosha, WI 53144

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

Signature: Sean Cranley

Print Name: Sean Cranley

Firm: Chem Report, Inc.

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

Facility/Project Name <u>Sugar Property</u>	County Name <u>Kenosha</u>	Well Name <u>MW-9</u>
Facility License, Permit or Monitoring Number	County Code	DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other
3. Time spent developing well 45 min.
4. Depth of well (from top of well casing) 18.5 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 5.3 gal.
7. Volume of water removed from well 23.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>11.52</u> ft.	<u>11.61</u> ft.
Date	b. <u>01/14/2020</u>	<u>01/14/2020</u>
Time	c. <u>11:45</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>12:30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe)	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l
16. Well developed by: Name (first, last) and Firm		
First Name:	<u>Sean</u>	
Last Name:	<u>Cranley</u>	
Firm:	<u>Midwest Environmental Consulting</u>	

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Jose Last Name: Ochoa

Facility/Firm: A1 Auto Sales & Service

Street: 3301 Goth St.

City/State/Zip: Kenosha, WI 53144

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

Signature: Sean Cranley

Print Name: Sean Cranley

Firm: Midwest Env. Consulting

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>GP-12</u>	County <u>Kenosha</u>	Original Well Owner (If Known) <u>Mueller's Auto Sales and Service</u>	
SE 1/4 of SW 1/4 of Sec. <u>36</u> ; T. <u>2</u> N.; R. <u>22</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner <u>Same</u>	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route <u>Same</u>	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>Same</u>	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable)	WI Unique Well No. _____
Street Address of Well <u>3300 60th Street</u>		Reason For Abandonment <u>Borehole</u>	
City, Village <u>Kenosha</u>		Date of Abandonment <u>4/24/06</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) <u>8</u>	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>4/24/06</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>NA</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) <u>Gravity</u>	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite	
Total Well Depth (ft.) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) <u>2</u>		Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Granular Bentonite</u>	Surface	12			

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Sean Crowley

Signature of Person Doing Work _____ Date Signed 4/24/06

Street or Route _____ Telephone Number _____
4515 Washington Rd (262) 654-7020

City, State, Zip Code _____
Kenosha, WI 53144

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected _____	District/County _____
Reviewer/Inspector _____	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary _____	

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

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information			2. Facility / Owner Information		
County <i>Kenosha</i>	WI Unique Well # of Removed Well _____	Hicap # <i>DP-1</i>	Facility Name <i>3301-60th St. Kenosha, WI</i>		
Latitude / Longitude (Degrees and Minutes) ____ ° ____ ' N ____ ° ____ ' W		Method Code (see instructions) _____	Facility ID (FID or PWS) _____		
License/Permit/Monitoring # _____			Original Well Owner _____		

<table border="1" style="width:100%"> <tr> <td>1/4 NE</td> <td>1/4 NW</td> <td>Section <i>1</i></td> <td>Township <i>1 N</i></td> <td>Range <i>22</i></td> <td><input checked="" type="checkbox"/> E <input type="checkbox"/> W</td> </tr> <tr> <td colspan="2">or Gov't Lot #</td> <td colspan="4"></td> </tr> </table>	1/4 NE	1/4 NW	Section <i>1</i>	Township <i>1 N</i>	Range <i>22</i>	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	or Gov't Lot #						Well Street Address <i>3301-60th St. Kenosha, WI</i>		Present Well Owner _____	
1/4 NE	1/4 NW	Section <i>1</i>	Township <i>1 N</i>	Range <i>22</i>	<input checked="" type="checkbox"/> E <input type="checkbox"/> W											
or Gov't Lot #																
Well City, Village or Town <i>Kenosha</i>		Well ZIP Code <i>53144</i>		Mailing Address of Present Owner _____												
Subdivision Name _____		Lot # _____		City of Present Owner State ZIP Code												

Reason For Removal From Service <i>Temporary</i>	WI Unique Well # of Replacement Well _____	4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information		Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <i>8/5/10</i>	Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Screen removed?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Casing left in place?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Construction Type:		Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Drilled	<input checked="" type="checkbox"/> Driven (Sandpoint)	<input type="checkbox"/> Dug	Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Other (specify): _____			Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Formation Type:		<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	If yes, was hole retopped?	
Total Well Depth From Ground Surface (ft.) <i>16'</i>		Casing Diameter (in.) <i>1"</i>		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) <i>2"</i>		Casing Depth (ft.) <i>11'</i>		If bentonite chips were used, were they hydrated with water from a known safe source?	
Was well annular space grouted?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
If yes, to what depth (feet)?		Depth to Water (feet) <i>12'</i>		Required Method of Placing Sealing Material	
				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
				<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): <i>Gravity</i>	

Sealing Materials		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "	
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite Chips	
<input type="checkbox"/> Concrete		For Monitoring Wells and Monitoring Well Boreholes Only:	
<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
<input checked="" type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<i>Concrete</i>	Surface	<i>6"</i>		
<i>Granular Bentonite</i>	<i>6"</i>	<i>16"</i>		

6. Comments

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Chem Report, Inc</i>	License # _____	Date of Filling & Sealing (mm/dd/yyyy) <i>8/5/10</i>	Date Received	Noted By	
Street or Route <i>4515 Washington Rd</i>		Telephone Number <i>(262) 654-7020</i>	Comments		
City <i>Kenosha</i>	State <i>WI</i>	ZIP Code <i>53144</i>	Signature of Person Doing Work <i>[Signature]</i>		Date Signed <i>8/5/10</i>

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

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information			2. Facility / Owner Information		
County <i>Kenosha</i>	WI Unique Well # of Removed Well _____	Hicap # <i>DP-2</i>	Facility Name <i>3301-60th St. Kenosha, WI</i>		
Latitude / Longitude (Degrees and Minutes) _____'N _____'W			Facility ID (FID or PWS) _____		
Method Code (see instructions) _____			License/Permit/Monitoring # _____		

1/4 NE	1/4 NW	Section <i>1</i>	Township <i>1 N</i>	Range <i>22</i>	<input checked="" type="checkbox"/> E <input type="checkbox"/> W
Original Well Owner _____					
Present Well Owner _____					

Well Street Address
3301-60th St Kenosha, WI

Well City, Village or Town
Kenosha

Well ZIP Code
53144

Subdivision Name

Lot #

Mailing Address of Present Owner

City of Present Owner State ZIP Code

Reason For Removal From Service
Temporary

WI Unique Well # of Replacement Well

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)
8/5/10

If a Well Construction Report is available, please attach.

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.)
16"

Casing Diameter (in.)
1"

Lower Drillhole Diameter (in.)
2"

Casing Depth (ft.)
11"

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? Depth to Water (feet)
12

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

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): *Gravity*

Sealing Materials
 Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<i>Asphalt</i>	Surface	<i>4"</i>		
<i>Granular Bentonite</i>	<i>4"</i>	<i>16"</i>		

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Chem Report, Inc</i>	License # _____	Date of Filling & Sealing (mm/dd/yyyy) <i>8/5/10</i>	Date Received _____	Noted By _____
Street or Route <i>4515 Washington Rd.</i>		Telephone Number <i>(262) 654-7020</i>	Comments _____	
City <i>Kenosha</i>	State <i>WI</i>	ZIP Code <i>53144</i>	Signature of Person Doing Work <i>[Signature]</i>	Date Signed <i>8/5/10</i>

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: DP-3 County: Kenosha

NE 1/4 of NW 1/4 of Sec. 1; T. 1 N. R. 22 E W

Grid Location: Gov't Lot _____ Grid Number _____

City, State, Zip Code: Kenosha, WI 53144

Civil Town Name: Kenosha

Street Address of Well: 3301 - 60th Street

(City) Village: Kenosha

(2) FACILITY NAME

Original Well Owner (If Known): Suggar Property

Present Well Owner: As above

Street or Route: 3301 - 60th Street

Facility Well No. and/or Name (If Applicable): DP-3W WI Unique Well No. _____

Reason For Abandonment: Borehole/Temp Well

Date of Abandonment: 12/12/16

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On: (Date) 12/12/16

Monitoring Well Water Well Drillhole Borehole

Construction Report Available? Yes No

Construction Type: Drilled Driven (Sandpoint) Dug Other (Specify) Direct Push

Formation Type: Unconsolidated Formation Bedrock

Total Well Depth (ft.) 15 Casing Diameter (in.) 1

(From ground surface) Casing Depth (ft.) 10

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? Yes No Unknown

If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet)

Pump & Piping Removed? Yes No Not Applicable

Lines(s) Removed? Yes No Not Applicable

Screen Removed? Yes No Not Applicable

Casing Left in Place? Yes No

If No, Explain: Temp Well

Was Casing Cut Off Below Surface? Yes No

Did Sealing Material Rise to Surface? Yes No

Did Material Settle After 24 Hours? Yes No

If Yes, Was Hole Retopped? Yes No

(5) Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped

Damp Bailer Other (Explain) _____

(6) Sealing Materials For monitoring wells and monitoring well boreholes only

Neat Cement Grout Bentonite Pellets

Sand-Cement (Concrete) Grout Granular Bentonite

Concrete Clay-Sand Slurry Bentonite-Cement Grout

Bentonite-Sand Slurry Chipped Bentonite

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	(Circle One)	Mfr. Ratio or Mud Weight
<u>Granular Bentonite</u>	<u>Surface</u>	<u>16</u>			

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work: Sean Cahley

Signature of Person Doing Work: Sean Cahley Date Signed: _____

Street or Route: N6395 E. Paradise Rd Telephone Number: 262 237-4351

City, State, Zip Code: Burlington, WI 53105

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>DP-4</u>	County <u>Kenosha</u>	Original Well Owner (If Known) <u>Sugar Property</u>	
(If applicable) <u>NE 1/4 of NW 1/4 of Sec. 1, T. 1 N. R. 22</u>		Present Well Owner <u>As above</u>	
Grid Location	Grid Number	Street or Route <u>3301 - 60th Street</u>	
City, State, Zip Code <u>Kenosha, WI 53144</u>		Facility Well No. and/or Name (If Applicable) <u>DP-4W</u>	
Civil Town Name <u>Kenosha</u>		Reason For Abandonment <u>Borehole/Temp Well</u>	
Street Address of Well <u>3301 - 60th Street</u>		Date of Abandonment <u>12/12/16</u>	
City/Village <u>Kenosha</u>		WI Unique Well No.	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>12/12/16</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>Temp Well</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Direct Push</u>		(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout	
Total Well Depth (ft.) <u>15</u> Casing Diameter (in.) <u>1</u> (From ground surface) Casing Depth (ft.) <u>10</u>			
Lower Drillhole Diameter (in.) <u>2</u>			
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet			

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Granular Bentonite</u>	<u>Surface</u>	<u>16</u>			

(8) Comments

(9) Name of Person or Firm Doing Sealing Work
Sean Crowley

Signature of Person Doing Work <u>Sean Crowley</u>	Date Signed
Street or Route <u>N6395 E. Paradise Rd</u>	Telephone Number <u>(262) 237-4351</u>
City, State, Zip Code <u>Burlington, WI 53105</u>	

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>DP-5</u>	County <u>Kenosha</u>	Original Well Owner (If Known) <u>Sugar Property</u>	
(If applicable) NE 1/4 of NW 1/4 of Sec. <u>1</u> ; T. <u>1</u> N.; R. <u>22</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner <u>As above</u>	
Gov't Lot _____ Grid Number _____		Street or Route <u>3301 - 60th Street</u>	
Grid Location ft. <input type="checkbox"/> N <input type="checkbox"/> S, <input type="checkbox"/> E <input type="checkbox"/> W.		City, State, Zip Code <u>Kenosha, WI 53144</u>	
Civil Town Name <u>Kenosha</u>		Facility Well No. and/or Name (If Applicable) <u>DP-5W</u>	WI Unique Well No. _____
Street Address of Well <u>3301 - 60th Street</u>		Reason For Abandonment <u>Borehole/Temp Well</u>	
(City) Village <u>Kenosha</u>		Date of Abandonment <u>1/10/17</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On: (Date) <u>1/10/17</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>Temp Well</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sumpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Direct Push</u>	(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____		
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite		
Total Well Depth (ft.) <u>15</u> Casing Diameter (in.) <u>1</u> (From ground surface) Casing Depth (ft.) <u>10</u>	Lower Drillhole Diameter (in.) <u>2</u>		
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet			

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Granular Bentonite</u>	<u>Surface</u>	<u>16</u>			

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work <u>Sean Cranley</u>	
Signature of Person Doing Work <u>Sean Cranley</u>	Date Signed _____
Street or Route <u>N6395 E. Paradise Rd</u>	Telephone Number <u>(262) 237-4351</u>
City, State, Zip Code <u>Burlington, WI 53105</u>	

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>DP-6</u>	County <u>Kenosha</u>	Original Well Owner (if known) <u>Suggar Property</u>	
(If applicable) <u>NE 1/4 of NW 1/4 of Sec. 1; T. 1 N. R. 22</u>		Present Well Owner <u>As above</u>	
Gov't Lot	Grid Number	Street or Route <u>3301 - 60th Street</u>	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>Kenosha, WI 53144</u>	
Civil Town Name <u>Kenosha</u>		Facility Well No. and/or Name (if applicable) <u>DP-6W</u>	WI Unique Well No.
Street Address of Well <u>3301 - 60th Street</u>		Reason For Abandonment <u>Borehole/Temp Well</u>	
(City) Village <u>Kenosha</u>		Date of Abandonment <u>1/10/17</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On: (Date) <u>1/10/17</u>	(4) Depth to Water (Feet)
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Line(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>Temp Well</u>
Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Direct Push</u>	(5) Required Method of Placing Sealing Material
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	<input checked="" type="checkbox"/> Conductor Pipe-Gravily <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)
Total Well Depth (ft.) <u>15</u> Casing Diameter (in.) <u>1</u> (From ground surface) Casing Depth (ft.) <u>12</u> Lower Drillhole Diameter (in.) <u>2</u>	(6) Sealing Materials
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bestonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Cement Grout

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Granular Bentonite</u>	<u>Surface</u>	<u>16</u>			

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work <u>Sean Crabley</u>	
Signature of Person Doing Work <u>Sean Crabley</u>	Date Signed
Street or Route <u>NG395 E. Paradise Rd</u>	Telephone Number <u>(262) 237-4351</u>
City, State, Zip Code <u>Burlington, WI 53105</u>	

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>DP-7</u>	County <u>Kenosha</u>	Original Well Owner (If Known) <u>Sugar Property</u>	
(If applicable) <u>NE 1/4 of NW 1/4 of Sec. 1, T. 1 N. R. 22</u>		Present Well Owner <u>As above</u>	
Grid Location Gov't Lot _____ Grid Number _____		Street or Route <u>3301 - 60th Street</u>	
City, State, Zip Code <u>Kenosha, WI 53144</u>		Facility Well No. and/or Name (If Applicable) <u>DP-7W</u>	
Civil Town Name <u>Kenosha</u>		Reason For Abandonment <u>Borehole/Temp Well</u>	
Street Address of Well <u>3301 - 60th Street</u>		Date of Abandonment <u>12/12/16</u>	
(City) Village <u>Kenosha</u>			

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On: (Date) <u>12/12/16</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>Temp Well</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Restopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Direct Push</u>	(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____		
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(6) Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite		
Total Well Depth (ft.) <u>15</u> Casing Diameter (in.) <u>1</u> (From ground surface) Casing Depth (ft.) <u>12</u>	For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout		
Lower Drillhole Diameter (in.) <u>2</u>	Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Granular Bentonite</u>	<u>Surface</u>	<u>16</u>			

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work	
<u>Sean Cranley</u>	
Signature of Person Doing Work <u>Sean Cranley</u>	Date Signed
Street or Route <u>NG395 E. Paradise Rd</u>	Telephone Number <u>(262) 237-4351</u>
City, State, Zip Code <u>Burlington, WI 53105</u>	

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>DP-8</u>	County <u>Kenosha</u>	Original Well Owner (if known) <u>Suggar Property</u>	
(If applicable) NE 1/4 of NW 1/4 of Sec. <u>1</u> ; T. <u>1</u> N.; R. <u>22</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner <u>As above</u>	
Gov't Lot	Grid Number	Street or Route <u>3301 - 60th Street</u>	
Grid Location R. <input type="checkbox"/> N. <input type="checkbox"/> S. R. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>Kenosha, WI 53144</u>	
Civil Town Name <u>Kenosha</u>		Facility Well No. and/or Name (if applicable) <u>DP-8W</u>	WI Unique Well No. _____
Street Address of Well <u>3301 - 60th Street</u>		Reason For Abandonment <u>Borehole/Temp Well</u>	
City/Village <u>Kenosha</u>		Date of Abandonment <u>1/10/17</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On: (Date) <u>1/10/17</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>Temp Well</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retapped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Direct Push</u>	Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
Total Well Depth (ft.) <u>15</u> Casing Diameter (in.) <u>1</u> (From ground surface) Casing Depth (ft.) <u>10</u> Lower Drillhole Diameter (in.) <u>2</u>	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input type="checkbox"/> Chipped Bentonite		
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet			

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Granular Bentonite</u>	<u>Surface</u>	<u>16</u>			

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work <u>Sean Crankley</u>	
Signature of Person Doing Work <u>Sean Crankley</u>	Date Signed _____
Street or Route <u>NG395 E. Paradise Rd</u>	Telephone Number <u>(262) 237-4351</u>
City, State, Zip Code <u>Burlington, WI 53105</u>	

WELL/DRILLHOLE/BORHOLE ABANDONMENT

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>DP-9</u>	County <u>Kenosha</u>	Original Well Owner (if known) <u>Suggar Property</u>	
(If applicable) <u>NE 1/4 of NW 1/4 of Sec. 1; T. 1 N. R. 22</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner <u>As above</u>	
Grid Location Gov't Lot _____ Grid Number _____	City, State, Zip Code <u>Kenosha, WI 53144</u>	Street or Route <u>3301 - 60th Street</u>	
ft. <input type="checkbox"/> N <input type="checkbox"/> S, ft. <input type="checkbox"/> E <input type="checkbox"/> W.	Facility Well No. and/or Name (if Applicable) <u>DP-9W</u>	WI Unique Well No. _____	
Civil Town Name <u>Kenosha</u>	Reason For Abandonment <u>Borehole/Temp Well</u>		
Street Address of Well <u>3301 - 60th Street</u>	Date of Abandonment <u>12/12/16</u>		
(City) Village <u>Kenosha</u>			

WELL/DRILLHOLE/BORHOLE INFORMATION	
<p>(3) Original Well/Drillhole/Borehole Construction Completed On: (Date) <u>12/12/16</u></p> <p> <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole </p> <p>Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </p> <p>Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Direct Push</u> </p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock </p> <p>Total Well Depth (ft.) <u>15</u> Casing Diameter (in.) <u>1</u> (From ground surface) Casing Depth (ft.) <u>10</u></p> <p>Lower Drillhole Diameter (in.) <u>2</u></p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet)</p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Line(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>Temp Well</u></p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material</p> <p><input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite</p> <p><input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout</p>

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Granular Bentonite</u>	<u>Surface</u>	<u>16</u>			

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work <u>Sean Crabley</u>	
Signature of Person Doing Work <u>Sean Crabley</u>	Date Signed _____
Street or Route <u>NG395 E. Paradise Rd</u>	Telephone Number <u>(262) 237-4351</u>
City, State, Zip Code <u>Burlington, WI 53105</u>	

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>DP-10</u>	County <u>Kenosha</u>	Original Well Owner (If Known) <u>Sugar Property</u>	
NE 1/4 of NW 1/4 of Sec. <u>1</u> ; T. <u>1</u> N. R. <u>22</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner <u>As above</u>	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route <u>3301 - 60th Street</u>	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ E. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>Kenosha, WI 53144</u>	
Civil Town Name <u>Kenosha</u>		Facility Well No. and/or Name (If Applicable) <u>DP-10W</u>	
Street Address of Well <u>3301 - 60th Street</u>		Reason For Abandonment <u>Borehole/Temp Well</u>	
(City) Village <u>Kenosha</u>		Date of Abandonment <u>12/12/16</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On: (Date) <u>12/12/16</u>	(4) Depth to Water (Feet)
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Line(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>Temp Well</u>
Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Restopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpilot) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Direct Push</u>	(5) Required Method of Placing Sealing Material
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)
Total Well Depth (ft.) <u>15</u> Casing Diameter (in.) <u>1</u> (From ground surface) Casing Depth (ft.) <u>12</u>	(6) Sealing Materials
Lower Drillhole Diameter (in.) <u>2</u>	For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	<input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Granular Bentonite</u>	<u>Surface</u>	<u>16</u>			

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Sean Crankley

Signature of Person Doing Work: Sean Crankley Date Signed: _____

Street or Route: N6395 E. Paradise Rd Telephone Number: 262 237-4351
City, State, Zip Code: Burlington, WI 53105

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>DP-11</u>	County <u>Kenosha</u>	Original Well Owner (If Known) <u>Sugar Property</u>	
NE 1/4 of NW 1/4 of Sec. <u>1</u> ; T. <u>1</u> N; R. <u>22</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner <u>As above</u>	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route <u>3301 - 60th Street</u>	
Grid Location ft. <input type="checkbox"/> N <input type="checkbox"/> S, <input type="checkbox"/> E <input type="checkbox"/> W		City, State, Zip Code <u>Kenosha, WI 53144</u>	
Civil Town Name <u>Kenosha</u>		Facility Well No. and/or Name (If Applicable) <u>DP-11W</u>	WI Unique Well No. _____
Street Address of Well <u>3301 - 60th Street</u>		Reason For Abandonment <u>Borehole/Temp Well</u>	
City/Village <u>Kenosha</u>		Date of Abandonment <u>1/10/17</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet)	
(3) Original Well/Drillhole/Borehole Construction Completed On: (Date) <u>1/10/17</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain: <u>Temp Well</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Direct Push</u>	(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____		
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input type="checkbox"/> Chipped Bentonite		
Total Well Depth (ft.) <u>15</u> Casing Diameter (in.) <u>1</u> (From ground surface) Casing Depth (ft.) <u>10</u> Lower Drillhole Diameter (in.) <u>2</u>	Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		

Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Granular Bentonite</u>	<u>Surface</u>	<u>16</u>			

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work <u>Sean Cranley</u>	
Signature of Person Doing Work <u>Sean Cranley</u>	Date Signed _____
Street or Route <u>N6395 E. Paradise Rd</u>	Telephone Number <u>262 237-4351</u>
City, State, Zip Code <u>Burlington, WI 53105</u>	

**Site Investigation Report
Suggar Property**



**APPENDIX B
Laboratory Reports**

December 23, 2016

Sean Cranley
Midwest Environmental Consulting
N6395 E. Paradise Rd
Burlington, WI 53105

RE: Project: SUGGAR PROPERTY
Pace Project No.: 40143522

Dear Sean Cranley:

Enclosed are the analytical results for sample(s) received by the laboratory on December 15, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40143522001	DP-3 (1.5-2)	Solid	12/12/16 09:50	12/15/16 11:10
40143522002	DP-3 (11.5-12)	Solid	12/12/16 10:15	12/15/16 11:10
40143522003	DP-3 W	Water	12/12/16 10:40	12/15/16 11:10
40143522004	DP-4 (3-4)	Solid	12/12/16 10:45	12/15/16 11:10
40143522005	DP-4 (11.5-12)	Solid	12/12/16 11:00	12/15/16 11:10
40143522006	DP-4 W	Water	12/12/16 11:15	12/15/16 11:10
40143522007	DP-7 W	Water	12/12/16 12:30	12/15/16 11:10
40143522008	DP-7 (3-4)	Solid	12/12/16 11:55	12/15/16 11:10
40143522009	DP-7 (8-9)	Solid	12/12/16 12:10	12/15/16 11:10
40143522010	DP-9 (3-4)	Solid	12/12/16 12:50	12/15/16 11:10
40143522011	DP-9 (12-13)	Solid	12/12/16 13:15	12/15/16 11:10
40143522012	DP-10 (3-4)	Solid	12/12/16 13:50	12/15/16 11:10
40143522013	DP-10 (11.5-12)	Solid	12/12/16 14:00	12/15/16 11:10
40143522014	DP-10 W	Water	12/12/16 14:15	12/15/16 11:10
40143522015	DP-9 W	Water	12/12/16 13:30	12/15/16 11:10
40143522016	TRIP BLANK	Water	12/12/16 00:00	12/15/16 11:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40143522001	DP-3 (1.5-2)	EPA 6010	DLB	2	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40143522002	DP-3 (11.5-12)	EPA 6010	DLB	2	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40143522003	DP-3 W	EPA 8260	MDS	64	PASI-G
40143522004	DP-4 (3-4)	EPA 6010	DLB	2	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40143522005	DP-4 (11.5-12)	EPA 6010	DLB	2	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40143522006	DP-4 W	EPA 8260	MDS	64	PASI-G
40143522007	DP-7 W	EPA 8260	MDS	64	PASI-G
40143522008	DP-7 (3-4)	EPA 6010	DLB	2	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
		EPA 6010	DLB	2	PASI-G
40143522009	DP-7 (8-9)	EPA 8270 by SIM	RJN	20	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
		EPA 6010	DLB	2	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
40143522010	DP-9 (3-4)	ASTM D2974-87	BTH	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40143522011	DP-9 (12-13)	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
		EPA 6010	DLB	1	PASI-G
40143522012	DP-10 (3-4)	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
40143522013	DP-10 (11.5-12)	ASTM D2974-87	BTH	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SUGGAR PROPERTY
Pace Project No.: 40143522

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40143522014	DP-10 W	EPA 8260	MDS	64	PASI-G
40143522015	DP-9 W	EPA 8260	MDS	64	PASI-G
40143522016	TRIP BLANK	EPA 8260	MDS	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40143522001	DP-3 (1.5-2)					
EPA 6010	Lead	28.3	mg/kg	1.4	12/20/16 16:35	
EPA 8270 by SIM	Benzo(b)fluoranthene	5.3J	ug/kg	11.7	12/22/16 02:42	
EPA 8260	1,2,4-Trimethylbenzene	105	ug/kg	74.8	12/16/16 13:19	
EPA 8260	1,3,5-Trimethylbenzene	50.1J	ug/kg	74.8	12/16/16 13:19	
EPA 8260	m&p-Xylene	187	ug/kg	150	12/16/16 13:19	
EPA 8260	o-Xylene	73.3J	ug/kg	74.8	12/16/16 13:19	
ASTM D2974-87	Percent Moisture	19.8	%	0.10	12/20/16 11:29	
40143522002	DP-3 (11.5-12)					
EPA 6010	Lead	7.5	mg/kg	1.5	12/20/16 16:42	
ASTM D2974-87	Percent Moisture	12.0	%	0.10	12/20/16 11:29	
40143522004	DP-4 (3-4)					
EPA 6010	Lead	8.3	mg/kg	1.4	12/20/16 16:44	
ASTM D2974-87	Percent Moisture	14.0	%	0.10	12/20/16 11:29	
40143522005	DP-4 (11.5-12)					
EPA 6010	Lead	3.8	mg/kg	1.4	12/20/16 16:47	
EPA 8270 by SIM	1-Methylnaphthalene	3020	ug/kg	125	12/21/16 08:58	
EPA 8270 by SIM	Naphthalene	462	ug/kg	262	12/21/16 08:58	
EPA 8260	1,2,4-Trimethylbenzene	14900	ug/kg	350	12/16/16 17:28	
EPA 8260	Ethylbenzene	521	ug/kg	350	12/16/16 17:28	
EPA 8260	Isopropylbenzene (Cumene)	1940	ug/kg	350	12/16/16 17:28	
EPA 8260	m&p-Xylene	513J	ug/kg	699	12/16/16 17:28	
EPA 8260	n-Butylbenzene	7040	ug/kg	350	12/16/16 17:28	
EPA 8260	n-Propylbenzene	11600	ug/kg	350	12/16/16 17:28	
EPA 8260	p-Isopropyltoluene	1340	ug/kg	350	12/16/16 17:28	
EPA 8260	sec-Butylbenzene	2210	ug/kg	350	12/16/16 17:28	
ASTM D2974-87	Percent Moisture	14.2	%	0.10	12/20/16 11:29	
40143522006	DP-4 W					
EPA 8260	n-Butylbenzene	183	ug/L	125	12/19/16 11:08	
EPA 8260	Ethylbenzene	5000	ug/L	125	12/19/16 11:08	
EPA 8260	Isopropylbenzene (Cumene)	219	ug/L	125	12/19/16 11:08	
EPA 8260	p-Isopropyltoluene	102J	ug/L	125	12/19/16 11:08	
EPA 8260	n-Propylbenzene	785	ug/L	125	12/19/16 11:08	
EPA 8260	1,2,4-Trimethylbenzene	5110	ug/L	125	12/19/16 11:08	
EPA 8260	m&p-Xylene	3980	ug/L	250	12/19/16 11:08	
EPA 8260	o-Xylene	82.5J	ug/L	125	12/19/16 11:08	
40143522007	DP-7 W					
EPA 8260	n-Butylbenzene	57.2	ug/L	20.0	12/16/16 17:50	
EPA 8260	Ethylbenzene	23.5	ug/L	20.0	12/16/16 17:50	
EPA 8260	Isopropylbenzene (Cumene)	75.5	ug/L	20.0	12/16/16 17:50	
EPA 8260	p-Isopropyltoluene	24.7	ug/L	20.0	12/16/16 17:50	
EPA 8260	n-Propylbenzene	282	ug/L	20.0	12/16/16 17:50	
EPA 8260	1,2,4-Trimethylbenzene	1310	ug/L	20.0	12/16/16 17:50	
EPA 8260	m&p-Xylene	27.4J	ug/L	40.0	12/16/16 17:50	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40143522008	DP-7 (3-4)					
EPA 6010	Lead	23.8	mg/kg	1.3	12/20/16 16:49	
EPA 8270 by SIM	1-Methylnaphthalene	7.7J	ug/kg	16.3	12/22/16 03:51	
EPA 8270 by SIM	2-Methylnaphthalene	10.8J	ug/kg	20.3	12/22/16 03:51	
EPA 8270 by SIM	Naphthalene	17.7J	ug/kg	34.1	12/22/16 03:51	
ASTM D2974-87	Percent Moisture	17.5	%	0.10	12/20/16 11:29	
40143522009	DP-7 (8-9)					
EPA 6010	Lead	2.9	mg/kg	1.5	12/20/16 16:29	
EPA 8270 by SIM	1-Methylnaphthalene	613	ug/kg	80.3	12/22/16 03:16	
EPA 8270 by SIM	2-Methylnaphthalene	1360	ug/kg	100	12/22/16 03:16	
EPA 8270 by SIM	Naphthalene	2040	ug/kg	168	12/22/16 03:16	
ASTM D2974-87	Percent Moisture	16.6	%	0.10	12/20/16 11:29	
40143522010	DP-9 (3-4)					
EPA 6010	Lead	6.8	mg/kg	1.5	12/20/16 16:51	
ASTM D2974-87	Percent Moisture	15.6	%	0.10	12/20/16 11:29	
40143522011	DP-9 (12-13)					
EPA 6010	Lead	8.0	mg/kg	1.3	12/20/16 16:54	
ASTM D2974-87	Percent Moisture	16.4	%	0.10	12/20/16 11:54	
40143522012	DP-10 (3-4)					
EPA 6010	Lead	10.7	mg/kg	1.4	12/20/16 16:56	
ASTM D2974-87	Percent Moisture	20.3	%	0.10	12/20/16 11:54	
40143522013	DP-10 (11.5-12)					
EPA 6010	Lead	5.0	mg/kg	1.4	12/20/16 16:59	
EPA 8260	sec-Butylbenzene	39.7J	ug/kg	67.3	12/16/16 15:35	
ASTM D2974-87	Percent Moisture	10.8	%	0.10	12/20/16 11:54	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-3 (1.5-2) Lab ID: 40143522001 Collected: 12/12/16 09:50 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Cadmium	<0.15	mg/kg	0.55	0.15	1	12/19/16 09:43	12/20/16 16:35	7440-43-9	
Lead	28.3	mg/kg	1.4	0.48	1	12/19/16 09:43	12/20/16 16:35	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.8	ug/kg	16.1	4.8	1	12/16/16 09:28	12/22/16 02:42	83-32-9	
Acenaphthylene	<4.1	ug/kg	13.7	4.1	1	12/16/16 09:28	12/22/16 02:42	208-96-8	
Anthracene	<7.1	ug/kg	23.7	7.1	1	12/16/16 09:28	12/22/16 02:42	120-12-7	
Benzo(a)anthracene	<4.0	ug/kg	13.2	4.0	1	12/16/16 09:28	12/22/16 02:42	56-55-3	
Benzo(a)pyrene	<3.1	ug/kg	10.4	3.1	1	12/16/16 09:28	12/22/16 02:42	50-32-8	
Benzo(b)fluoranthene	5.3J	ug/kg	11.7	3.5	1	12/16/16 09:28	12/22/16 02:42	205-99-2	
Benzo(g,h,i)perylene	<2.5	ug/kg	8.4	2.5	1	12/16/16 09:28	12/22/16 02:42	191-24-2	
Benzo(k)fluoranthene	<3.1	ug/kg	10.4	3.1	1	12/16/16 09:28	12/22/16 02:42	207-08-9	
Chrysene	<4.2	ug/kg	14.0	4.2	1	12/16/16 09:28	12/22/16 02:42	218-01-9	
Dibenz(a,h)anthracene	<2.8	ug/kg	9.3	2.8	1	12/16/16 09:28	12/22/16 02:42	53-70-3	
Fluoranthene	<6.5	ug/kg	21.7	6.5	1	12/16/16 09:28	12/22/16 02:42	206-44-0	
Fluorene	<5.2	ug/kg	17.2	5.2	1	12/16/16 09:28	12/22/16 02:42	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.7	ug/kg	9.1	2.7	1	12/16/16 09:28	12/22/16 02:42	193-39-5	
1-Methylnaphthalene	<5.0	ug/kg	16.7	5.0	1	12/16/16 09:28	12/22/16 02:42	90-12-0	
2-Methylnaphthalene	<6.2	ug/kg	20.8	6.2	1	12/16/16 09:28	12/22/16 02:42	91-57-6	
Naphthalene	<10.5	ug/kg	35.0	10.5	1	12/16/16 09:28	12/22/16 02:42	91-20-3	
Phenanthrene	<14.5	ug/kg	48.4	14.5	1	12/16/16 09:28	12/22/16 02:42	85-01-8	
Pyrene	<5.6	ug/kg	18.7	5.6	1	12/16/16 09:28	12/22/16 02:42	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	26-130		1	12/16/16 09:28	12/22/16 02:42	321-60-8	
Terphenyl-d14 (S)	74	%	10-130		1	12/16/16 09:28	12/22/16 02:42	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/16/16 07:15	12/16/16 13:19	120-82-1	W
1,2,4-Trimethylbenzene	105	ug/kg	74.8	31.2	1	12/16/16 07:15	12/16/16 13:19	95-63-6	
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/16/16 07:15	12/16/16 13:19	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	78-87-5	W
1,3,5-Trimethylbenzene	50.1J	ug/kg	74.8	31.2	1	12/16/16 07:15	12/16/16 13:19	108-67-8	
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	541-73-1	W

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-3 (1.5-2) Lab ID: 40143522001 Collected: 12/12/16 09:50 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/16/16 07:15	12/16/16 13:19	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/16/16 07:15	12/16/16 13:19	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/16/16 07:15	12/16/16 13:19	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/16/16 07:15	12/16/16 13:19	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	10061-01-5	W
m&p-Xylene	187	ug/kg	150	62.3	1	12/16/16 07:15	12/16/16 13:19	179601-23-1	
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	103-65-1	W
o-Xylene	73.3J	ug/kg	74.8	31.2	1	12/16/16 07:15	12/16/16 13:19	95-47-6	
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:19	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	99	%	53-165		1	12/16/16 07:15	12/16/16 13:19	1868-53-7	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-3 (1.5-2) **Lab ID: 40143522001** Collected: 12/12/16 09:50 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
Toluene-d8 (S)	88	%	54-163		1	12/16/16 07:15	12/16/16 13:19	2037-26-5	
4-Bromofluorobenzene (S)	78	%	48-138		1	12/16/16 07:15	12/16/16 13:19	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	19.8	%	0.10	0.10	1		12/20/16 11:29		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-3 (11.5-12) **Lab ID: 40143522002** Collected: 12/12/16 10:15 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Cadmium	<0.15	mg/kg	0.56	0.15	1	12/19/16 09:43	12/20/16 16:42	7440-43-9	
Lead	7.5	mg/kg	1.5	0.48	1	12/19/16 09:43	12/20/16 16:42	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.4	ug/kg	14.7	4.4	1	12/16/16 09:28	12/21/16 17:50	83-32-9	
Acenaphthylene	<3.7	ug/kg	12.5	3.7	1	12/16/16 09:28	12/21/16 17:50	208-96-8	
Anthracene	<6.5	ug/kg	21.6	6.5	1	12/16/16 09:28	12/21/16 17:50	120-12-7	
Benzo(a)anthracene	<3.6	ug/kg	12.0	3.6	1	12/16/16 09:28	12/21/16 17:50	56-55-3	
Benzo(a)pyrene	<2.9	ug/kg	9.5	2.9	1	12/16/16 09:28	12/21/16 17:50	50-32-8	
Benzo(b)fluoranthene	<3.2	ug/kg	10.7	3.2	1	12/16/16 09:28	12/21/16 17:50	205-99-2	
Benzo(g,h,i)perylene	<2.3	ug/kg	7.7	2.3	1	12/16/16 09:28	12/21/16 17:50	191-24-2	
Benzo(k)fluoranthene	<2.9	ug/kg	9.5	2.9	1	12/16/16 09:28	12/21/16 17:50	207-08-9	
Chrysene	<3.8	ug/kg	12.7	3.8	1	12/16/16 09:28	12/21/16 17:50	218-01-9	
Dibenz(a,h)anthracene	<2.5	ug/kg	8.5	2.5	1	12/16/16 09:28	12/21/16 17:50	53-70-3	
Fluoranthene	<5.9	ug/kg	19.8	5.9	1	12/16/16 09:28	12/21/16 17:50	206-44-0	
Fluorene	<4.7	ug/kg	15.7	4.7	1	12/16/16 09:28	12/21/16 17:50	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.5	ug/kg	8.3	2.5	1	12/16/16 09:28	12/21/16 17:50	193-39-5	
1-Methylnaphthalene	<4.6	ug/kg	15.2	4.6	1	12/16/16 09:28	12/21/16 17:50	90-12-0	
2-Methylnaphthalene	<5.7	ug/kg	19.0	5.7	1	12/16/16 09:28	12/21/16 17:50	91-57-6	
Naphthalene	<9.6	ug/kg	31.9	9.6	1	12/16/16 09:28	12/21/16 17:50	91-20-3	
Phenanthrene	<13.2	ug/kg	44.1	13.2	1	12/16/16 09:28	12/21/16 17:50	85-01-8	
Pyrene	<5.1	ug/kg	17.0	5.1	1	12/16/16 09:28	12/21/16 17:50	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	26-130		1	12/16/16 09:28	12/21/16 17:50	321-60-8	
Terphenyl-d14 (S)	79	%	10-130		1	12/16/16 09:28	12/21/16 17:50	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/16/16 07:15	12/16/16 13:42	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/16/16 07:15	12/16/16 13:42	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	541-73-1	W

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-3 (11.5-12) Lab ID: 40143522002 Collected: 12/12/16 10:15 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/16/16 07:15	12/16/16 13:42	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/16/16 07:15	12/16/16 13:42	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/16/16 07:15	12/16/16 13:42	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/16/16 07:15	12/16/16 13:42	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/16/16 07:15	12/16/16 13:42	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 13:42	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	53-165		1	12/16/16 07:15	12/16/16 13:42	1868-53-7	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-3 (11.5-12) **Lab ID: 40143522002** Collected: 12/12/16 10:15 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
Toluene-d8 (S)	99	%	54-163		1	12/16/16 07:15	12/16/16 13:42	2037-26-5	
4-Bromofluorobenzene (S)	90	%	48-138		1	12/16/16 07:15	12/16/16 13:42	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	12.0	%	0.10	0.10	1		12/20/16 11:29		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-3 W **Lab ID: 40143522003** Collected: 12/12/16 10:40 Received: 12/15/16 11:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/16/16 17:07	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/16/16 17:07	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/16/16 17:07	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/16/16 17:07	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/16/16 17:07	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		12/16/16 17:07	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/16/16 17:07	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/16/16 17:07	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/16/16 17:07	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/16/16 17:07	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/16/16 17:07	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/16/16 17:07	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/16/16 17:07	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		12/16/16 17:07	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/16/16 17:07	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/16/16 17:07	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/16/16 17:07	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/16/16 17:07	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/16/16 17:07	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/16/16 17:07	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/16/16 17:07	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/16/16 17:07	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/16/16 17:07	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/16/16 17:07	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/16/16 17:07	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/16/16 17:07	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		12/16/16 17:07	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-3 W **Lab ID: 40143522003** Collected: 12/12/16 10:40 Received: 12/15/16 11:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/16/16 17:07	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/16/16 17:07	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/16/16 17:07	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/16/16 17:07	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/16/16 17:07	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/16/16 17:07	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		12/16/16 17:07	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/16/16 17:07	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/16/16 17:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/16/16 17:07	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/16/16 17:07	1868-53-7	HS,pH
Toluene-d8 (S)	102	%	70-130		1		12/16/16 17:07	2037-26-5	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-4 (3-4) **Lab ID: 40143522004** Collected: 12/12/16 10:45 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Cadmium	<0.14	mg/kg	0.52	0.14	1	12/19/16 09:43	12/20/16 16:44	7440-43-9	
Lead	8.3	mg/kg	1.4	0.45	1	12/19/16 09:43	12/20/16 16:44	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.5	ug/kg	15.0	4.5	1	12/16/16 09:28	12/21/16 18:07	83-32-9	
Acenaphthylene	<3.8	ug/kg	12.8	3.8	1	12/16/16 09:28	12/21/16 18:07	208-96-8	
Anthracene	<6.6	ug/kg	22.1	6.6	1	12/16/16 09:28	12/21/16 18:07	120-12-7	
Benzo(a)anthracene	<3.7	ug/kg	12.3	3.7	1	12/16/16 09:28	12/21/16 18:07	56-55-3	
Benzo(a)pyrene	<2.9	ug/kg	9.7	2.9	1	12/16/16 09:28	12/21/16 18:07	50-32-8	
Benzo(b)fluoranthene	<3.3	ug/kg	10.9	3.3	1	12/16/16 09:28	12/21/16 18:07	205-99-2	
Benzo(g,h,i)perylene	<2.4	ug/kg	7.9	2.4	1	12/16/16 09:28	12/21/16 18:07	191-24-2	
Benzo(k)fluoranthene	<2.9	ug/kg	9.7	2.9	1	12/16/16 09:28	12/21/16 18:07	207-08-9	
Chrysene	<3.9	ug/kg	13.0	3.9	1	12/16/16 09:28	12/21/16 18:07	218-01-9	
Dibenz(a,h)anthracene	<2.6	ug/kg	8.7	2.6	1	12/16/16 09:28	12/21/16 18:07	53-70-3	
Fluoranthene	<6.1	ug/kg	20.2	6.1	1	12/16/16 09:28	12/21/16 18:07	206-44-0	
Fluorene	<4.8	ug/kg	16.0	4.8	1	12/16/16 09:28	12/21/16 18:07	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.6	ug/kg	8.5	2.6	1	12/16/16 09:28	12/21/16 18:07	193-39-5	
1-Methylnaphthalene	<4.7	ug/kg	15.6	4.7	1	12/16/16 09:28	12/21/16 18:07	90-12-0	
2-Methylnaphthalene	<5.8	ug/kg	19.4	5.8	1	12/16/16 09:28	12/21/16 18:07	91-57-6	
Naphthalene	<9.8	ug/kg	32.7	9.8	1	12/16/16 09:28	12/21/16 18:07	91-20-3	
Phenanthrene	<13.5	ug/kg	45.1	13.5	1	12/16/16 09:28	12/21/16 18:07	85-01-8	
Pyrene	<5.2	ug/kg	17.4	5.2	1	12/16/16 09:28	12/21/16 18:07	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	49	%	26-130		1	12/16/16 09:28	12/21/16 18:07	321-60-8	
Terphenyl-d14 (S)	61	%	10-130		1	12/16/16 09:28	12/21/16 18:07	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/16/16 07:15	12/16/16 14:04	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/16/16 07:15	12/16/16 14:04	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	541-73-1	W

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-4 (3-4) Lab ID: 40143522004 Collected: 12/12/16 10:45 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/16/16 07:15	12/16/16 14:04	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/16/16 07:15	12/16/16 14:04	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/16/16 07:15	12/16/16 14:04	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/16/16 07:15	12/16/16 14:04	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/16/16 07:15	12/16/16 14:04	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:04	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	119	%	53-165		1	12/16/16 07:15	12/16/16 14:04	1868-53-7	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-4 (3-4) **Lab ID: 40143522004** Collected: 12/12/16 10:45 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
Toluene-d8 (S)	110	%	54-163		1	12/16/16 07:15	12/16/16 14:04	2037-26-5	
4-Bromofluorobenzene (S)	91	%	48-138		1	12/16/16 07:15	12/16/16 14:04	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	14.0	%	0.10	0.10	1		12/20/16 11:29		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-4 (11.5-12) **Lab ID: 40143522005** Collected: 12/12/16 11:00 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Cadmium	<0.28	mg/kg	1.0	0.28	2	12/19/16 09:43	12/21/16 14:56	7440-43-9	D3
Lead	3.8	mg/kg	1.4	0.45	1	12/19/16 09:43	12/20/16 16:47	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<36.2	ug/kg	120	36.2	8	12/16/16 09:28	12/21/16 08:58	83-32-9	
Acenaphthylene	<30.7	ug/kg	103	30.7	8	12/16/16 09:28	12/21/16 08:58	208-96-8	
Anthracene	<53.2	ug/kg	177	53.2	8	12/16/16 09:28	12/21/16 08:58	120-12-7	
Benzo(a)anthracene	<29.6	ug/kg	98.8	29.6	8	12/16/16 09:28	12/21/16 08:58	56-55-3	
Benzo(a)pyrene	<23.4	ug/kg	78.0	23.4	8	12/16/16 09:28	12/21/16 08:58	50-32-8	
Benzo(b)fluoranthene	<26.3	ug/kg	87.7	26.3	8	12/16/16 09:28	12/21/16 08:58	205-99-2	
Benzo(g,h,i)perylene	<18.9	ug/kg	63.1	18.9	8	12/16/16 09:28	12/21/16 08:58	191-24-2	
Benzo(k)fluoranthene	<23.4	ug/kg	77.9	23.4	8	12/16/16 09:28	12/21/16 08:58	207-08-9	
Chrysene	<31.4	ug/kg	104	31.4	8	12/16/16 09:28	12/21/16 08:58	218-01-9	
Dibenz(a,h)anthracene	<20.8	ug/kg	69.5	20.8	8	12/16/16 09:28	12/21/16 08:58	53-70-3	
Fluoranthene	<48.6	ug/kg	162	48.6	8	12/16/16 09:28	12/21/16 08:58	206-44-0	
Fluorene	<38.6	ug/kg	129	38.6	8	12/16/16 09:28	12/21/16 08:58	86-73-7	
Indeno(1,2,3-cd)pyrene	<20.5	ug/kg	68.3	20.5	8	12/16/16 09:28	12/21/16 08:58	193-39-5	
1-Methylnaphthalene	3020	ug/kg	125	37.5	8	12/16/16 09:28	12/21/16 08:58	90-12-0	
2-Methylnaphthalene	<46.6	ug/kg	156	46.6	8	12/16/16 09:28	12/21/16 08:58	91-57-6	
Naphthalene	462	ug/kg	262	78.5	8	12/16/16 09:28	12/21/16 08:58	91-20-3	
Phenanthrene	<109	ug/kg	362	109	8	12/16/16 09:28	12/21/16 08:58	85-01-8	
Pyrene	<42.1	ug/kg	140	42.1	8	12/16/16 09:28	12/21/16 08:58	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	26-130		8	12/16/16 09:28	12/21/16 08:58	321-60-8	
Terphenyl-d14 (S)	71	%	10-130		8	12/16/16 09:28	12/21/16 08:58	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	630-20-6	W
1,1,1-Trichloroethane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	71-55-6	W
1,1,2,2-Tetrachloroethane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	79-34-5	W
1,1,2-Trichloroethane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	79-00-5	W
1,1-Dichloroethane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	75-34-3	W
1,1-Dichloroethene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	75-35-4	W
1,1-Dichloropropene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	563-58-6	W
1,2,3-Trichlorobenzene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	87-61-6	W
1,2,3-Trichloropropane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	96-18-4	W
1,2,4-Trichlorobenzene	<238	ug/kg	1250	238	5	12/16/16 07:15	12/16/16 17:28	120-82-1	W
1,2,4-Trimethylbenzene	14900	ug/kg	350	146	5	12/16/16 07:15	12/16/16 17:28	95-63-6	
1,2-Dibromo-3-chloropropane	<456	ug/kg	1250	456	5	12/16/16 07:15	12/16/16 17:28	96-12-8	W
1,2-Dibromoethane (EDB)	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	106-93-4	W
1,2-Dichlorobenzene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	95-50-1	W
1,2-Dichloroethane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	107-06-2	W
1,2-Dichloropropane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	78-87-5	W
1,3,5-Trimethylbenzene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	108-67-8	W
1,3-Dichlorobenzene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-4 (11.5-12) Lab ID: 40143522005 Collected: 12/12/16 11:00 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,3-Dichloropropane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	142-28-9	W
1,4-Dichlorobenzene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	106-46-7	W
2,2-Dichloropropane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	594-20-7	W
2-Chlorotoluene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	95-49-8	W
4-Chlorotoluene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	106-43-4	W
Benzene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	71-43-2	W
Bromobenzene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	108-86-1	W
Bromochloromethane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	74-97-5	W
Bromodichloromethane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	75-27-4	W
Bromoform	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	75-25-2	W
Bromomethane	<350	ug/kg	1250	350	5	12/16/16 07:15	12/16/16 17:28	74-83-9	W
Carbon tetrachloride	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	56-23-5	W
Chlorobenzene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	108-90-7	W
Chloroethane	<335	ug/kg	1250	335	5	12/16/16 07:15	12/16/16 17:28	75-00-3	W
Chloroform	<232	ug/kg	1250	232	5	12/16/16 07:15	12/16/16 17:28	67-66-3	W
Chloromethane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	74-87-3	W
Dibromochloromethane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	124-48-1	W
Dibromomethane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	74-95-3	W
Dichlorodifluoromethane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	75-71-8	W
Diisopropyl ether	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	108-20-3	W
Ethylbenzene	521	ug/kg	350	146	5	12/16/16 07:15	12/16/16 17:28	100-41-4	
Hexachloro-1,3-butadiene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	87-68-3	W
Isopropylbenzene (Cumene)	1940	ug/kg	350	146	5	12/16/16 07:15	12/16/16 17:28	98-82-8	
Methyl-tert-butyl ether	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	1634-04-4	W
Methylene Chloride	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	75-09-2	W
Naphthalene	<200	ug/kg	1250	200	5	12/16/16 07:15	12/16/16 17:28	91-20-3	W
Styrene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	100-42-5	W
Tetrachloroethene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	127-18-4	W
Toluene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	108-88-3	W
Trichloroethene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	79-01-6	W
Trichlorofluoromethane	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	75-69-4	W
Vinyl chloride	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	75-01-4	W
cis-1,2-Dichloroethene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	156-59-2	W
cis-1,3-Dichloropropene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	10061-01-5	W
m&p-Xylene	513J	ug/kg	699	291	5	12/16/16 07:15	12/16/16 17:28	179601-23-1	
n-Butylbenzene	7040	ug/kg	350	146	5	12/16/16 07:15	12/16/16 17:28	104-51-8	
n-Propylbenzene	11600	ug/kg	350	146	5	12/16/16 07:15	12/16/16 17:28	103-65-1	
o-Xylene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	95-47-6	W
p-Isopropyltoluene	1340	ug/kg	350	146	5	12/16/16 07:15	12/16/16 17:28	99-87-6	
sec-Butylbenzene	2210	ug/kg	350	146	5	12/16/16 07:15	12/16/16 17:28	135-98-8	
tert-Butylbenzene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	98-06-6	W
trans-1,2-Dichloroethene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	156-60-5	W
trans-1,3-Dichloropropene	<125	ug/kg	300	125	5	12/16/16 07:15	12/16/16 17:28	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	90	%	53-165		5	12/16/16 07:15	12/16/16 17:28	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-4 (11.5-12) **Lab ID: 40143522005** Collected: 12/12/16 11:00 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
Toluene-d8 (S)	99	%	54-163		5	12/16/16 07:15	12/16/16 17:28	2037-26-5	
4-Bromofluorobenzene (S)	108	%	48-138		5	12/16/16 07:15	12/16/16 17:28	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	14.2	%	0.10	0.10	1		12/20/16 11:29		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-4 W Lab ID: 40143522006 Collected: 12/12/16 11:15 Received: 12/15/16 11:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<62.5	ug/L	125	62.5	125		12/19/16 11:08	71-43-2	
Bromobenzene	<28.8	ug/L	125	28.8	125		12/19/16 11:08	108-86-1	
Bromochloromethane	<42.5	ug/L	125	42.5	125		12/19/16 11:08	74-97-5	
Bromodichloromethane	<62.5	ug/L	125	62.5	125		12/19/16 11:08	75-27-4	
Bromoform	<62.5	ug/L	125	62.5	125		12/19/16 11:08	75-25-2	
Bromomethane	<304	ug/L	625	304	125		12/19/16 11:08	74-83-9	
n-Butylbenzene	183	ug/L	125	62.5	125		12/19/16 11:08	104-51-8	
sec-Butylbenzene	<273	ug/L	625	273	125		12/19/16 11:08	135-98-8	
tert-Butylbenzene	<22.5	ug/L	125	22.5	125		12/19/16 11:08	98-06-6	
Carbon tetrachloride	<62.5	ug/L	125	62.5	125		12/19/16 11:08	56-23-5	
Chlorobenzene	<62.5	ug/L	125	62.5	125		12/19/16 11:08	108-90-7	
Chloroethane	<46.8	ug/L	125	46.8	125		12/19/16 11:08	75-00-3	
Chloroform	<312	ug/L	625	312	125		12/19/16 11:08	67-66-3	
Chloromethane	<62.5	ug/L	125	62.5	125		12/19/16 11:08	74-87-3	
2-Chlorotoluene	<62.5	ug/L	125	62.5	125		12/19/16 11:08	95-49-8	
4-Chlorotoluene	<26.7	ug/L	125	26.7	125		12/19/16 11:08	106-43-4	
1,2-Dibromo-3-chloropropane	<271	ug/L	625	271	125		12/19/16 11:08	96-12-8	
Dibromochloromethane	<62.5	ug/L	125	62.5	125		12/19/16 11:08	124-48-1	
1,2-Dibromoethane (EDB)	<22.2	ug/L	125	22.2	125		12/19/16 11:08	106-93-4	
Dibromomethane	<53.3	ug/L	125	53.3	125		12/19/16 11:08	74-95-3	
1,2-Dichlorobenzene	<62.5	ug/L	125	62.5	125		12/19/16 11:08	95-50-1	
1,3-Dichlorobenzene	<62.5	ug/L	125	62.5	125		12/19/16 11:08	541-73-1	
1,4-Dichlorobenzene	<62.5	ug/L	125	62.5	125		12/19/16 11:08	106-46-7	
Dichlorodifluoromethane	<28.0	ug/L	125	28.0	125		12/19/16 11:08	75-71-8	
1,1-Dichloroethane	<30.2	ug/L	125	30.2	125		12/19/16 11:08	75-34-3	
1,2-Dichloroethane	<21.0	ug/L	125	21.0	125		12/19/16 11:08	107-06-2	
1,1-Dichloroethene	<51.3	ug/L	125	51.3	125		12/19/16 11:08	75-35-4	
cis-1,2-Dichloroethene	<32.0	ug/L	125	32.0	125		12/19/16 11:08	156-59-2	
trans-1,2-Dichloroethene	<32.1	ug/L	125	32.1	125		12/19/16 11:08	156-60-5	
1,2-Dichloropropane	<29.1	ug/L	125	29.1	125		12/19/16 11:08	78-87-5	
1,3-Dichloropropane	<62.5	ug/L	125	62.5	125		12/19/16 11:08	142-28-9	
2,2-Dichloropropane	<60.5	ug/L	125	60.5	125		12/19/16 11:08	594-20-7	
1,1-Dichloropropene	<55.1	ug/L	125	55.1	125		12/19/16 11:08	563-58-6	
cis-1,3-Dichloropropene	<62.5	ug/L	125	62.5	125		12/19/16 11:08	10061-01-5	
trans-1,3-Dichloropropene	<28.7	ug/L	125	28.7	125		12/19/16 11:08	10061-02-6	
Diisopropyl ether	<62.5	ug/L	125	62.5	125		12/19/16 11:08	108-20-3	
Ethylbenzene	5000	ug/L	125	62.5	125		12/19/16 11:08	100-41-4	
Hexachloro-1,3-butadiene	<263	ug/L	625	263	125		12/19/16 11:08	87-68-3	
Isopropylbenzene (Cumene)	219	ug/L	125	17.9	125		12/19/16 11:08	98-82-8	
p-Isopropyltoluene	102J	ug/L	125	62.5	125		12/19/16 11:08	99-87-6	
Methylene Chloride	<29.1	ug/L	125	29.1	125		12/19/16 11:08	75-09-2	
Methyl-tert-butyl ether	<21.8	ug/L	125	21.8	125		12/19/16 11:08	1634-04-4	
Naphthalene	<312	ug/L	625	312	125		12/19/16 11:08	91-20-3	
n-Propylbenzene	785	ug/L	125	62.5	125		12/19/16 11:08	103-65-1	
Styrene	<62.5	ug/L	125	62.5	125		12/19/16 11:08	100-42-5	
1,1,1,2-Tetrachloroethane	<22.6	ug/L	125	22.6	125		12/19/16 11:08	630-20-6	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-4 W **Lab ID: 40143522006** Collected: 12/12/16 11:15 Received: 12/15/16 11:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<31.2	ug/L	125	31.2	125		12/19/16 11:08	79-34-5	
Tetrachloroethene	<62.5	ug/L	125	62.5	125		12/19/16 11:08	127-18-4	
Toluene	<62.5	ug/L	125	62.5	125		12/19/16 11:08	108-88-3	
1,2,3-Trichlorobenzene	<267	ug/L	625	267	125		12/19/16 11:08	87-61-6	
1,2,4-Trichlorobenzene	<276	ug/L	625	276	125		12/19/16 11:08	120-82-1	
1,1,1-Trichloroethane	<62.5	ug/L	125	62.5	125		12/19/16 11:08	71-55-6	
1,1,2-Trichloroethane	<24.7	ug/L	125	24.7	125		12/19/16 11:08	79-00-5	
Trichloroethene	<41.3	ug/L	125	41.3	125		12/19/16 11:08	79-01-6	
Trichlorofluoromethane	<23.1	ug/L	125	23.1	125		12/19/16 11:08	75-69-4	
1,2,3-Trichloropropane	<62.5	ug/L	125	62.5	125		12/19/16 11:08	96-18-4	
1,2,4-Trimethylbenzene	5110	ug/L	125	62.5	125		12/19/16 11:08	95-63-6	
1,3,5-Trimethylbenzene	<62.5	ug/L	125	62.5	125		12/19/16 11:08	108-67-8	
Vinyl chloride	<21.9	ug/L	125	21.9	125		12/19/16 11:08	75-01-4	
m&p-Xylene	3980	ug/L	250	125	125		12/19/16 11:08	179601-23-1	
o-Xylene	82.5J	ug/L	125	62.5	125		12/19/16 11:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		125		12/19/16 11:08	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		125		12/19/16 11:08	1868-53-7	pH
Toluene-d8 (S)	98	%	70-130		125		12/19/16 11:08	2037-26-5	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-7 W Lab ID: 40143522007 Collected: 12/12/16 12:30 Received: 12/15/16 11:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	71-43-2	
Bromobenzene	<4.6	ug/L	20.0	4.6	20		12/16/16 17:50	108-86-1	
Bromochloromethane	<6.8	ug/L	20.0	6.8	20		12/16/16 17:50	74-97-5	
Bromodichloromethane	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	75-27-4	
Bromoform	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	75-25-2	
Bromomethane	<48.7	ug/L	100	48.7	20		12/16/16 17:50	74-83-9	
n-Butylbenzene	57.2	ug/L	20.0	10.0	20		12/16/16 17:50	104-51-8	
sec-Butylbenzene	<43.7	ug/L	100	43.7	20		12/16/16 17:50	135-98-8	
tert-Butylbenzene	<3.6	ug/L	20.0	3.6	20		12/16/16 17:50	98-06-6	
Carbon tetrachloride	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	56-23-5	
Chlorobenzene	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	108-90-7	
Chloroethane	<7.5	ug/L	20.0	7.5	20		12/16/16 17:50	75-00-3	
Chloroform	<50.0	ug/L	100	50.0	20		12/16/16 17:50	67-66-3	
Chloromethane	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	74-87-3	
2-Chlorotoluene	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	95-49-8	
4-Chlorotoluene	<4.3	ug/L	20.0	4.3	20		12/16/16 17:50	106-43-4	
1,2-Dibromo-3-chloropropane	<43.3	ug/L	100	43.3	20		12/16/16 17:50	96-12-8	
Dibromochloromethane	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	124-48-1	
1,2-Dibromoethane (EDB)	<3.6	ug/L	20.0	3.6	20		12/16/16 17:50	106-93-4	
Dibromomethane	<8.5	ug/L	20.0	8.5	20		12/16/16 17:50	74-95-3	
1,2-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	95-50-1	
1,3-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	541-73-1	
1,4-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	106-46-7	
Dichlorodifluoromethane	<4.5	ug/L	20.0	4.5	20		12/16/16 17:50	75-71-8	
1,1-Dichloroethane	<4.8	ug/L	20.0	4.8	20		12/16/16 17:50	75-34-3	
1,2-Dichloroethane	<3.4	ug/L	20.0	3.4	20		12/16/16 17:50	107-06-2	
1,1-Dichloroethene	<8.2	ug/L	20.0	8.2	20		12/16/16 17:50	75-35-4	
cis-1,2-Dichloroethene	<5.1	ug/L	20.0	5.1	20		12/16/16 17:50	156-59-2	
trans-1,2-Dichloroethene	<5.1	ug/L	20.0	5.1	20		12/16/16 17:50	156-60-5	
1,2-Dichloropropane	<4.7	ug/L	20.0	4.7	20		12/16/16 17:50	78-87-5	
1,3-Dichloropropane	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	142-28-9	
2,2-Dichloropropane	<9.7	ug/L	20.0	9.7	20		12/16/16 17:50	594-20-7	
1,1-Dichloropropene	<8.8	ug/L	20.0	8.8	20		12/16/16 17:50	563-58-6	
cis-1,3-Dichloropropene	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	10061-01-5	
trans-1,3-Dichloropropene	<4.6	ug/L	20.0	4.6	20		12/16/16 17:50	10061-02-6	
Diisopropyl ether	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	108-20-3	
Ethylbenzene	23.5	ug/L	20.0	10.0	20		12/16/16 17:50	100-41-4	
Hexachloro-1,3-butadiene	<42.1	ug/L	100	42.1	20		12/16/16 17:50	87-68-3	
Isopropylbenzene (Cumene)	75.5	ug/L	20.0	2.9	20		12/16/16 17:50	98-82-8	
p-Isopropyltoluene	24.7	ug/L	20.0	10.0	20		12/16/16 17:50	99-87-6	
Methylene Chloride	<4.7	ug/L	20.0	4.7	20		12/16/16 17:50	75-09-2	
Methyl-tert-butyl ether	<3.5	ug/L	20.0	3.5	20		12/16/16 17:50	1634-04-4	
Naphthalene	<50.0	ug/L	100	50.0	20		12/16/16 17:50	91-20-3	
n-Propylbenzene	282	ug/L	20.0	10.0	20		12/16/16 17:50	103-65-1	
Styrene	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	100-42-5	
1,1,1,2-Tetrachloroethane	<3.6	ug/L	20.0	3.6	20		12/16/16 17:50	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-7 W **Lab ID: 40143522007** Collected: 12/12/16 12:30 Received: 12/15/16 11:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<5.0	ug/L	20.0	5.0	20		12/16/16 17:50	79-34-5	
Tetrachloroethene	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	127-18-4	
Toluene	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	108-88-3	
1,2,3-Trichlorobenzene	<42.7	ug/L	100	42.7	20		12/16/16 17:50	87-61-6	
1,2,4-Trichlorobenzene	<44.2	ug/L	100	44.2	20		12/16/16 17:50	120-82-1	
1,1,1-Trichloroethane	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	71-55-6	
1,1,2-Trichloroethane	<3.9	ug/L	20.0	3.9	20		12/16/16 17:50	79-00-5	
Trichloroethene	<6.6	ug/L	20.0	6.6	20		12/16/16 17:50	79-01-6	
Trichlorofluoromethane	<3.7	ug/L	20.0	3.7	20		12/16/16 17:50	75-69-4	
1,2,3-Trichloropropane	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	96-18-4	
1,2,4-Trimethylbenzene	1310	ug/L	20.0	10.0	20		12/16/16 17:50	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	108-67-8	
Vinyl chloride	<3.5	ug/L	20.0	3.5	20		12/16/16 17:50	75-01-4	
m&p-Xylene	27.4J	ug/L	40.0	20.0	20		12/16/16 17:50	179601-23-1	
o-Xylene	<10.0	ug/L	20.0	10.0	20		12/16/16 17:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		20		12/16/16 17:50	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		20		12/16/16 17:50	1868-53-7	pH
Toluene-d8 (S)	95	%	70-130		20		12/16/16 17:50	2037-26-5	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY
Pace Project No.: 40143522

Sample: DP-7 (3-4) **Lab ID: 40143522008** Collected: 12/12/16 11:55 Received: 12/15/16 11:10 Matrix: Solid
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Cadmium	<0.13	mg/kg	0.51	0.13	1	12/19/16 09:43	12/20/16 16:49	7440-43-9	
Lead	23.8	mg/kg	1.3	0.44	1	12/19/16 09:43	12/20/16 16:49	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.7	ug/kg	15.6	4.7	1	12/16/16 09:28	12/22/16 03:51	83-32-9	
Acenaphthylene	<4.0	ug/kg	13.3	4.0	1	12/16/16 09:28	12/22/16 03:51	208-96-8	
Anthracene	<6.9	ug/kg	23.0	6.9	1	12/16/16 09:28	12/22/16 03:51	120-12-7	
Benzo(a)anthracene	<3.8	ug/kg	12.9	3.8	1	12/16/16 09:28	12/22/16 03:51	56-55-3	
Benzo(a)pyrene	<3.0	ug/kg	10.2	3.0	1	12/16/16 09:28	12/22/16 03:51	50-32-8	
Benzo(b)fluoranthene	<3.4	ug/kg	11.4	3.4	1	12/16/16 09:28	12/22/16 03:51	205-99-2	
Benzo(g,h,i)perylene	<2.5	ug/kg	8.2	2.5	1	12/16/16 09:28	12/22/16 03:51	191-24-2	
Benzo(k)fluoranthene	<3.0	ug/kg	10.1	3.0	1	12/16/16 09:28	12/22/16 03:51	207-08-9	
Chrysene	<4.1	ug/kg	13.6	4.1	1	12/16/16 09:28	12/22/16 03:51	218-01-9	
Dibenz(a,h)anthracene	<2.7	ug/kg	9.0	2.7	1	12/16/16 09:28	12/22/16 03:51	53-70-3	
Fluoranthene	<6.3	ug/kg	21.1	6.3	1	12/16/16 09:28	12/22/16 03:51	206-44-0	
Fluorene	<5.0	ug/kg	16.7	5.0	1	12/16/16 09:28	12/22/16 03:51	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.7	ug/kg	8.9	2.7	1	12/16/16 09:28	12/22/16 03:51	193-39-5	
1-Methylnaphthalene	7.7J	ug/kg	16.3	4.9	1	12/16/16 09:28	12/22/16 03:51	90-12-0	
2-Methylnaphthalene	10.8J	ug/kg	20.3	6.1	1	12/16/16 09:28	12/22/16 03:51	91-57-6	
Naphthalene	17.7J	ug/kg	34.1	10.2	1	12/16/16 09:28	12/22/16 03:51	91-20-3	
Phenanthrene	<14.1	ug/kg	47.1	14.1	1	12/16/16 09:28	12/22/16 03:51	85-01-8	
Pyrene	<5.5	ug/kg	18.2	5.5	1	12/16/16 09:28	12/22/16 03:51	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	26-130		1	12/16/16 09:28	12/22/16 03:51	321-60-8	
Terphenyl-d14 (S)	79	%	10-130		1	12/16/16 09:28	12/22/16 03:51	1718-51-0	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	17.5	%	0.10	0.10	1		12/20/16 11:29		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-7 (8-9) **Lab ID: 40143522009** Collected: 12/12/16 12:10 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Cadmium	<0.16	mg/kg	0.60	0.16	1	12/19/16 09:43	12/20/16 16:29	7440-43-9	
Lead	2.9	mg/kg	1.5	0.52	1	12/19/16 09:43	12/20/16 16:29	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<23.3	ug/kg	77.3	23.3	5	12/16/16 09:28	12/22/16 03:16	83-32-9	
Acenaphthylene	<19.8	ug/kg	65.9	19.8	5	12/16/16 09:28	12/22/16 03:16	208-96-8	
Anthracene	<34.2	ug/kg	114	34.2	5	12/16/16 09:28	12/22/16 03:16	120-12-7	
Benzo(a)anthracene	<19.0	ug/kg	63.5	19.0	5	12/16/16 09:28	12/22/16 03:16	56-55-3	
Benzo(a)pyrene	<15.1	ug/kg	50.2	15.1	5	12/16/16 09:28	12/22/16 03:16	50-32-8	
Benzo(b)fluoranthene	<16.9	ug/kg	56.4	16.9	5	12/16/16 09:28	12/22/16 03:16	205-99-2	
Benzo(g,h,i)perylene	<12.2	ug/kg	40.6	12.2	5	12/16/16 09:28	12/22/16 03:16	191-24-2	
Benzo(k)fluoranthene	<15.0	ug/kg	50.1	15.0	5	12/16/16 09:28	12/22/16 03:16	207-08-9	
Chrysene	<20.2	ug/kg	67.1	20.2	5	12/16/16 09:28	12/22/16 03:16	218-01-9	
Dibenz(a,h)anthracene	<13.4	ug/kg	44.7	13.4	5	12/16/16 09:28	12/22/16 03:16	53-70-3	
Fluoranthene	<31.2	ug/kg	104	31.2	5	12/16/16 09:28	12/22/16 03:16	206-44-0	
Fluorene	<24.8	ug/kg	82.7	24.8	5	12/16/16 09:28	12/22/16 03:16	86-73-7	
Indeno(1,2,3-cd)pyrene	<13.2	ug/kg	43.9	13.2	5	12/16/16 09:28	12/22/16 03:16	193-39-5	
1-Methylnaphthalene	613	ug/kg	80.3	24.1	5	12/16/16 09:28	12/22/16 03:16	90-12-0	
2-Methylnaphthalene	1360	ug/kg	100	30.0	5	12/16/16 09:28	12/22/16 03:16	91-57-6	
Naphthalene	2040	ug/kg	168	50.5	5	12/16/16 09:28	12/22/16 03:16	91-20-3	
Phenanthrene	<69.8	ug/kg	233	69.8	5	12/16/16 09:28	12/22/16 03:16	85-01-8	
Pyrene	<27.0	ug/kg	89.9	27.0	5	12/16/16 09:28	12/22/16 03:16	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	26-130		5	12/16/16 09:28	12/22/16 03:16	321-60-8	
Terphenyl-d14 (S)	61	%	10-130		5	12/16/16 09:28	12/22/16 03:16	1718-51-0	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	16.6	%	0.10	0.10	1		12/20/16 11:29		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY
Pace Project No.: 40143522

Sample: DP-9 (3-4) Lab ID: 40143522010 Collected: 12/12/16 12:50 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	6.8	mg/kg	1.5	0.50	1	12/19/16 09:43	12/20/16 16:51	7439-92-1	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/16/16 07:15	12/16/16 14:27	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/16/16 07:15	12/16/16 14:27	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/16/16 07:15	12/16/16 14:27	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/16/16 07:15	12/16/16 14:27	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/16/16 07:15	12/16/16 14:27	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	1634-04-4	W

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-9 (3-4) **Lab ID: 40143522010** Collected: 12/12/16 12:50 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/16/16 07:15	12/16/16 14:27	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/16/16 07:15	12/16/16 14:27	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:27	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	118	%	53-165		1	12/16/16 07:15	12/16/16 14:27	1868-53-7	
Toluene-d8 (S)	108	%	54-163		1	12/16/16 07:15	12/16/16 14:27	2037-26-5	
4-Bromofluorobenzene (S)	95	%	48-138		1	12/16/16 07:15	12/16/16 14:27	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	15.6	%	0.10	0.10	1		12/20/16 11:29		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY
Pace Project No.: 40143522

Sample: DP-9 (12-13) Lab ID: 40143522011 Collected: 12/12/16 13:15 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	8.0	mg/kg	1.3	0.44	1	12/19/16 09:43	12/20/16 16:54	7439-92-1	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/16/16 07:15	12/16/16 14:50	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/16/16 07:15	12/16/16 14:50	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/16/16 07:15	12/16/16 14:50	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/16/16 07:15	12/16/16 14:50	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/16/16 07:15	12/16/16 14:50	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	1634-04-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY
Pace Project No.: 40143522

Sample: DP-9 (12-13) Lab ID: 40143522011 Collected: 12/12/16 13:15 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/16/16 07:15	12/16/16 14:50	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/16/16 07:15	12/16/16 14:50	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 14:50	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	53-165		1	12/16/16 07:15	12/16/16 14:50	1868-53-7	
Toluene-d8 (S)	102	%	54-163		1	12/16/16 07:15	12/16/16 14:50	2037-26-5	
4-Bromofluorobenzene (S)	92	%	48-138		1	12/16/16 07:15	12/16/16 14:50	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	16.4	%	0.10	0.10	1		12/20/16 11:54		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-10 (3-4) Lab ID: 40143522012 Collected: 12/12/16 13:50 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	10.7	mg/kg	1.4	0.47	1	12/19/16 09:43	12/20/16 16:56	7439-92-1	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/16/16 07:15	12/16/16 15:12	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/16/16 07:15	12/16/16 15:12	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/16/16 07:15	12/16/16 15:12	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/16/16 07:15	12/16/16 15:12	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/16/16 07:15	12/16/16 15:12	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	1634-04-4	W

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-10 (3-4) **Lab ID: 40143522012** Collected: 12/12/16 13:50 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/16/16 07:15	12/16/16 15:12	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/16/16 07:15	12/16/16 15:12	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:12	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	121	%	53-165		1	12/16/16 07:15	12/16/16 15:12	1868-53-7	
Toluene-d8 (S)	113	%	54-163		1	12/16/16 07:15	12/16/16 15:12	2037-26-5	
4-Bromofluorobenzene (S)	102	%	48-138		1	12/16/16 07:15	12/16/16 15:12	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	20.3	%	0.10	0.10	1		12/20/16 11:54		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-10 (11.5-12) Lab ID: 40143522013 Collected: 12/12/16 14:00 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	5.0	mg/kg	1.4	0.48	1	12/19/16 09:43	12/20/16 16:59	7439-92-1	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/16/16 07:15	12/16/16 15:35	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/16/16 07:15	12/16/16 15:35	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/16/16 07:15	12/16/16 15:35	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/16/16 07:15	12/16/16 15:35	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/16/16 07:15	12/16/16 15:35	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	1634-04-4	W

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-10 (11.5-12) **Lab ID: 40143522013** Collected: 12/12/16 14:00 Received: 12/15/16 11:10 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	12/16/16 07:15	12/16/16 15:35	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/16/16 07:15	12/16/16 15:35	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	99-87-6	W
sec-Butylbenzene	39.7J	ug/kg	67.3	28.0	1	12/16/16 07:15	12/16/16 15:35	135-98-8	
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/16/16 07:15	12/16/16 15:35	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	53-165		1	12/16/16 07:15	12/16/16 15:35	1868-53-7	
Toluene-d8 (S)	104	%	54-163		1	12/16/16 07:15	12/16/16 15:35	2037-26-5	
4-Bromofluorobenzene (S)	94	%	48-138		1	12/16/16 07:15	12/16/16 15:35	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	10.8	%	0.10	0.10	1		12/20/16 11:54		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-10 W **Lab ID: 40143522014** Collected: 12/12/16 14:15 Received: 12/15/16 11:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/19/16 10:47	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/19/16 10:47	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/19/16 10:47	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/19/16 10:47	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/19/16 10:47	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		12/19/16 10:47	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/19/16 10:47	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/19/16 10:47	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/19/16 10:47	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/19/16 10:47	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/19/16 10:47	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/19/16 10:47	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/19/16 10:47	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		12/19/16 10:47	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/19/16 10:47	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/19/16 10:47	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/19/16 10:47	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/19/16 10:47	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/19/16 10:47	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/19/16 10:47	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/19/16 10:47	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/19/16 10:47	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/19/16 10:47	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/19/16 10:47	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/19/16 10:47	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/19/16 10:47	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		12/19/16 10:47	630-20-6	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-10 W **Lab ID: 40143522014** Collected: 12/12/16 14:15 Received: 12/15/16 11:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/19/16 10:47	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/19/16 10:47	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/19/16 10:47	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/19/16 10:47	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/19/16 10:47	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/19/16 10:47	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		12/19/16 10:47	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/19/16 10:47	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/19/16 10:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		12/19/16 10:47	460-00-4	pH
Dibromofluoromethane (S)	100	%	70-130		1		12/19/16 10:47	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		12/19/16 10:47	2037-26-5	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-9 W **Lab ID: 40143522015** Collected: 12/12/16 13:30 Received: 12/15/16 11:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/16/16 16:46	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/16/16 16:46	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/16/16 16:46	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/16/16 16:46	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/16/16 16:46	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		12/16/16 16:46	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/16/16 16:46	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/16/16 16:46	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/16/16 16:46	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/16/16 16:46	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/16/16 16:46	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/16/16 16:46	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/16/16 16:46	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		12/16/16 16:46	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/16/16 16:46	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/16/16 16:46	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/16/16 16:46	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/16/16 16:46	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/16/16 16:46	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/16/16 16:46	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/16/16 16:46	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/16/16 16:46	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/16/16 16:46	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/16/16 16:46	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/16/16 16:46	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/16/16 16:46	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		12/16/16 16:46	630-20-6	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: DP-9 W **Lab ID: 40143522015** Collected: 12/12/16 13:30 Received: 12/15/16 11:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/16/16 16:46	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/16/16 16:46	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/16/16 16:46	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/16/16 16:46	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/16/16 16:46	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/16/16 16:46	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		12/16/16 16:46	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/16/16 16:46	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/16/16 16:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		12/16/16 16:46	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		12/16/16 16:46	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/16/16 16:46	2037-26-5	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: TRIP BLANK Lab ID: 40143522016 Collected: 12/12/16 00:00 Received: 12/15/16 11:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		12/16/16 12:32	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		12/16/16 12:32	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		12/16/16 12:32	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		12/16/16 12:32	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		12/16/16 12:32	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		12/16/16 12:32	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		12/16/16 12:32	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		12/16/16 12:32	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		12/16/16 12:32	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		12/16/16 12:32	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		12/16/16 12:32	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		12/16/16 12:32	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		12/16/16 12:32	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		12/16/16 12:32	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		12/16/16 12:32	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/16/16 12:32	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		12/16/16 12:32	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		12/16/16 12:32	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		12/16/16 12:32	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		12/16/16 12:32	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		12/16/16 12:32	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		12/16/16 12:32	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		12/16/16 12:32	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		12/16/16 12:32	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		12/16/16 12:32	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		12/16/16 12:32	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		12/16/16 12:32	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Sample: TRIP BLANK **Lab ID: 40143522016** Collected: 12/12/16 00:00 Received: 12/15/16 11:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		12/16/16 12:32	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		12/16/16 12:32	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		12/16/16 12:32	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		12/16/16 12:32	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		12/16/16 12:32	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		12/16/16 12:32	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		12/16/16 12:32	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		12/16/16 12:32	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		12/16/16 12:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/16/16 12:32	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/16/16 12:32	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/16/16 12:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

QC Batch: 244434 Analysis Method: EPA 6010

QC Batch Method: EPA 3050 Analysis Description: 6010 MET

Associated Lab Samples: 40143522001, 40143522002, 40143522004, 40143522005, 40143522008, 40143522009, 40143522010, 40143522011, 40143522012, 40143522013

METHOD BLANK: 1447474 Matrix: Solid

Associated Lab Samples: 40143522001, 40143522002, 40143522004, 40143522005, 40143522008, 40143522009, 40143522010, 40143522011, 40143522012, 40143522013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	mg/kg	<0.13	0.50	12/20/16 16:22	
Lead	mg/kg	<0.43	1.3	12/20/16 16:22	

LABORATORY CONTROL SAMPLE & LCSD: 1447475 1447498

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Cadmium	mg/kg	50	48.3	48.0	97	96	80-120	1	20	
Lead	mg/kg	50	45.8	45.7	92	91	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1447477 1447478

Parameter	Units	40143522009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium	mg/kg	<0.16	59.6	59.6	52.8	55.2	89	93	75-125	4	20	
Lead	mg/kg	2.9	59.6	59.6	53.6	56.8	85	90	75-125	6	20	

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

QC Batch: 244385

Analysis Method: EPA 8260

QC Batch Method: EPA 5035/5030B

Analysis Description: 8260 MSV Med Level Normal List

Associated Lab Samples: 40143522001, 40143522002, 40143522004, 40143522005, 40143522010, 40143522011, 40143522012, 40143522013

METHOD BLANK: 1447219

Matrix: Solid

Associated Lab Samples: 40143522001, 40143522002, 40143522004, 40143522005, 40143522010, 40143522011, 40143522012, 40143522013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	12/16/16 08:23	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	12/16/16 08:23	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	12/16/16 08:23	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	12/16/16 08:23	
1,1-Dichloroethane	ug/kg	<17.6	50.0	12/16/16 08:23	
1,1-Dichloroethene	ug/kg	<17.6	50.0	12/16/16 08:23	
1,1-Dichloropropene	ug/kg	<14.0	50.0	12/16/16 08:23	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	12/16/16 08:23	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	12/16/16 08:23	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	12/16/16 08:23	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	12/16/16 08:23	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	12/16/16 08:23	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	12/16/16 08:23	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	12/16/16 08:23	
1,2-Dichloroethane	ug/kg	<15.0	50.0	12/16/16 08:23	
1,2-Dichloropropane	ug/kg	<16.8	50.0	12/16/16 08:23	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	12/16/16 08:23	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	12/16/16 08:23	
1,3-Dichloropropane	ug/kg	<12.0	50.0	12/16/16 08:23	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	12/16/16 08:23	
2,2-Dichloropropane	ug/kg	<12.6	50.0	12/16/16 08:23	
2-Chlorotoluene	ug/kg	<15.8	50.0	12/16/16 08:23	
4-Chlorotoluene	ug/kg	<13.0	50.0	12/16/16 08:23	
Benzene	ug/kg	<9.2	20.0	12/16/16 08:23	
Bromobenzene	ug/kg	<20.6	50.0	12/16/16 08:23	
Bromochloromethane	ug/kg	<21.4	50.0	12/16/16 08:23	
Bromodichloromethane	ug/kg	<9.8	50.0	12/16/16 08:23	
Bromoform	ug/kg	<19.8	50.0	12/16/16 08:23	
Bromomethane	ug/kg	<69.9	250	12/16/16 08:23	
Carbon tetrachloride	ug/kg	<12.1	50.0	12/16/16 08:23	
Chlorobenzene	ug/kg	<14.8	50.0	12/16/16 08:23	
Chloroethane	ug/kg	<67.0	250	12/16/16 08:23	
Chloroform	ug/kg	<46.4	250	12/16/16 08:23	
Chloromethane	ug/kg	<20.4	50.0	12/16/16 08:23	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	12/16/16 08:23	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	12/16/16 08:23	
Dibromochloromethane	ug/kg	<17.9	50.0	12/16/16 08:23	
Dibromomethane	ug/kg	<19.3	50.0	12/16/16 08:23	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	12/16/16 08:23	
Diisopropyl ether	ug/kg	<17.7	50.0	12/16/16 08:23	

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

METHOD BLANK: 1447219

Matrix: Solid

Associated Lab Samples: 40143522001, 40143522002, 40143522004, 40143522005, 40143522010, 40143522011, 40143522012, 40143522013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<12.4	50.0	12/16/16 08:23	
Hexachloro-1,3-butadiene	ug/kg	35.6J	50.0	12/16/16 08:23	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	12/16/16 08:23	
m&p-Xylene	ug/kg	<34.4	100	12/16/16 08:23	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	12/16/16 08:23	
Methylene Chloride	ug/kg	<16.2	50.0	12/16/16 08:23	
n-Butylbenzene	ug/kg	<10.5	50.0	12/16/16 08:23	
n-Propylbenzene	ug/kg	<11.6	50.0	12/16/16 08:23	
Naphthalene	ug/kg	<40.0	250	12/16/16 08:23	
o-Xylene	ug/kg	<14.0	50.0	12/16/16 08:23	
p-Isopropyltoluene	ug/kg	<12.0	50.0	12/16/16 08:23	
sec-Butylbenzene	ug/kg	<11.9	50.0	12/16/16 08:23	
Styrene	ug/kg	<9.0	50.0	12/16/16 08:23	
tert-Butylbenzene	ug/kg	<9.5	50.0	12/16/16 08:23	
Tetrachloroethene	ug/kg	<12.9	50.0	12/16/16 08:23	
Toluene	ug/kg	<11.2	50.0	12/16/16 08:23	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	12/16/16 08:23	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	12/16/16 08:23	
Trichloroethene	ug/kg	<23.6	50.0	12/16/16 08:23	
Trichlorofluoromethane	ug/kg	<24.7	50.0	12/16/16 08:23	
Vinyl chloride	ug/kg	<21.1	50.0	12/16/16 08:23	
4-Bromofluorobenzene (S)	%	89	48-138	12/16/16 08:23	
Dibromofluoromethane (S)	%	109	53-165	12/16/16 08:23	
Toluene-d8 (S)	%	103	54-163	12/16/16 08:23	

LABORATORY CONTROL SAMPLE: 1447220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2570	103	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2490	100	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2330	93	70-130	
1,1-Dichloroethane	ug/kg	2500	2530	101	70-133	
1,1-Dichloroethene	ug/kg	2500	2050	82	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2470	99	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2280	91	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2430	97	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2570	103	70-130	
1,2-Dichloroethane	ug/kg	2500	2560	103	70-138	
1,2-Dichloropropane	ug/kg	2500	2580	103	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2450	98	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2420	97	70-130	
Benzene	ug/kg	2500	2490	100	70-130	
Bromodichloromethane	ug/kg	2500	2650	106	70-130	

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

LABORATORY CONTROL SAMPLE: 1447220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	1990	80	68-130	
Bromomethane	ug/kg	2500	2390	95	25-163	
Carbon tetrachloride	ug/kg	2500	2520	101	70-130	
Chlorobenzene	ug/kg	2500	2490	100	70-130	
Chloroethane	ug/kg	2500	2530	101	34-151	
Chloroform	ug/kg	2500	2500	100	70-130	
Chloromethane	ug/kg	2500	1810	72	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2430	97	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2580	103	70-130	
Dibromochloromethane	ug/kg	2500	2230	89	70-130	
Dichlorodifluoromethane	ug/kg	2500	1150	46	27-150	
Ethylbenzene	ug/kg	2500	2580	103	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2510	100	70-130	
m&p-Xylene	ug/kg	5000	5080	102	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2410	97	70-130	
Methylene Chloride	ug/kg	2500	2340	94	70-131	
o-Xylene	ug/kg	2500	2430	97	70-130	
Styrene	ug/kg	2500	2520	101	70-130	
Tetrachloroethene	ug/kg	2500	2420	97	70-130	
Toluene	ug/kg	2500	2480	99	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2340	93	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2220	89	70-130	
Trichloroethene	ug/kg	2500	2540	102	70-130	
Trichlorofluoromethane	ug/kg	2500	2280	91	50-150	
Vinyl chloride	ug/kg	2500	2130	85	57-130	
4-Bromofluorobenzene (S)	%			101	48-138	
Dibromofluoromethane (S)	%			104	53-165	
Toluene-d8 (S)	%			103	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1447221 1447222

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40143522002 Result	Spike Conc.	Spike Conc.	MSD Result								
1,1,1-Trichloroethane	ug/kg	<25.0	1420	1420	1360	1230	96	87	70-130	10	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1420	1420	1470	1600	104	113	70-130	8	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1420	1420	1480	1400	104	99	70-130	6	20		
1,1-Dichloroethane	ug/kg	<25.0	1420	1420	1460	1410	103	99	64-133	4	20		
1,1-Dichloroethene	ug/kg	<25.0	1420	1420	1030	1060	72	75	56-130	3	24		
1,2,4-Trichlorobenzene	ug/kg	<47.6	1420	1420	1730	1630	122	115	70-130	6	20		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1420	1420	1480	1540	104	108	50-150	4	20		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1420	1420	1430	1500	101	106	70-130	4	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1420	1420	1520	1510	107	107	70-130	1	20		
1,2-Dichloroethane	ug/kg	<25.0	1420	1420	1510	1490	106	105	70-138	2	20		
1,2-Dichloropropane	ug/kg	<25.0	1420	1420	1420	1460	100	103	70-130	3	20		

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1447221		1447222		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40143522002 Result	MS Spike Conc.	MSD Spike Conc.									
1,3-Dichlorobenzene	ug/kg	<25.0	1420	1420	1460	1390	103	98	70-130	5	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1420	1420	1400	1380	99	97	70-130	1	20		
Benzene	ug/kg	<25.0	1420	1420	1420	1390	100	98	70-130	2	20		
Bromodichloromethane	ug/kg	<25.0	1420	1420	1460	1510	102	107	70-130	4	20		
Bromoform	ug/kg	<25.0	1420	1420	1300	1340	92	94	65-130	3	20		
Bromomethane	ug/kg	<69.9	1420	1420	1470	1420	104	100	11-163	3	21		
Carbon tetrachloride	ug/kg	<25.0	1420	1420	1320	1260	93	88	70-130	5	20		
Chlorobenzene	ug/kg	<25.0	1420	1420	1410	1350	99	95	70-130	4	20		
Chloroethane	ug/kg	<67.0	1420	1420	1560	1450	110	102	17-151	7	20		
Chloroform	ug/kg	<46.4	1420	1420	1400	1400	99	99	70-130	0	20		
Chloromethane	ug/kg	<25.0	1420	1420	1270	1150	89	81	13-130	10	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1420	1420	1330	1330	94	93	70-130	0	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1420	1420	1370	1420	96	100	70-130	4	20		
Dibromochloromethane	ug/kg	<25.0	1420	1420	1380	1430	97	101	70-130	4	20		
Dichlorodifluoromethane	ug/kg	<25.0	1420	1420	824	713	58	50	10-150	14	21		
Ethylbenzene	ug/kg	<25.0	1420	1420	1390	1330	98	93	70-130	5	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1420	1420	1350	1310	95	92	70-130	3	20		
m&p-Xylene	ug/kg	<50.0	2840	2840	2830	2710	100	96	70-130	4	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1420	1420	1450	1590	102	112	70-130	9	20		
Methylene Chloride	ug/kg	<25.0	1420	1420	1320	1320	93	93	70-131	0	20		
o-Xylene	ug/kg	<25.0	1420	1420	1370	1310	97	92	70-130	5	20		
Styrene	ug/kg	<25.0	1420	1420	1420	1410	100	99	70-130	1	20		
Tetrachloroethene	ug/kg	<25.0	1420	1420	1390	1320	98	93	70-130	5	20		
Toluene	ug/kg	<25.0	1420	1420	1400	1390	99	98	70-130	1	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1420	1420	1300	1260	92	88	70-130	4	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1420	1420	1300	1350	92	95	70-130	4	20		
Trichloroethene	ug/kg	<25.0	1420	1420	1300	1300	92	92	70-130	0	20		
Trichlorofluoromethane	ug/kg	<25.0	1420	1420	1330	1190	93	84	40-150	11	31		
Vinyl chloride	ug/kg	<25.0	1420	1420	1240	1200	88	84	26-130	4	20		
4-Bromofluorobenzene (S)	%						93	85	48-138				
Dibromofluoromethane (S)	%						106	93	53-165				
Toluene-d8 (S)	%						101	91	54-163				

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

QC Batch: 244358 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40143522003, 40143522006, 40143522007, 40143522014, 40143522015, 40143522016

METHOD BLANK: 1447141 Matrix: Water
 Associated Lab Samples: 40143522003, 40143522006, 40143522007, 40143522014, 40143522015, 40143522016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	12/16/16 09:43	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	12/16/16 09:43	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	12/16/16 09:43	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	12/16/16 09:43	
1,1-Dichloroethane	ug/L	<0.24	1.0	12/16/16 09:43	
1,1-Dichloroethene	ug/L	<0.41	1.0	12/16/16 09:43	
1,1-Dichloropropene	ug/L	<0.44	1.0	12/16/16 09:43	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	12/16/16 09:43	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	12/16/16 09:43	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	12/16/16 09:43	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	12/16/16 09:43	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	12/16/16 09:43	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	12/16/16 09:43	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	12/16/16 09:43	
1,2-Dichloroethane	ug/L	<0.17	1.0	12/16/16 09:43	
1,2-Dichloropropane	ug/L	<0.23	1.0	12/16/16 09:43	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	12/16/16 09:43	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	12/16/16 09:43	
1,3-Dichloropropane	ug/L	<0.50	1.0	12/16/16 09:43	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	12/16/16 09:43	
2,2-Dichloropropane	ug/L	<0.48	1.0	12/16/16 09:43	
2-Chlorotoluene	ug/L	<0.50	1.0	12/16/16 09:43	
4-Chlorotoluene	ug/L	<0.21	1.0	12/16/16 09:43	
Benzene	ug/L	<0.50	1.0	12/16/16 09:43	
Bromobenzene	ug/L	<0.23	1.0	12/16/16 09:43	
Bromochloromethane	ug/L	<0.34	1.0	12/16/16 09:43	
Bromodichloromethane	ug/L	<0.50	1.0	12/16/16 09:43	
Bromoform	ug/L	<0.50	1.0	12/16/16 09:43	
Bromomethane	ug/L	<2.4	5.0	12/16/16 09:43	
Carbon tetrachloride	ug/L	<0.50	1.0	12/16/16 09:43	
Chlorobenzene	ug/L	<0.50	1.0	12/16/16 09:43	
Chloroethane	ug/L	<0.37	1.0	12/16/16 09:43	
Chloroform	ug/L	<2.5	5.0	12/16/16 09:43	
Chloromethane	ug/L	<0.50	1.0	12/16/16 09:43	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	12/16/16 09:43	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	12/16/16 09:43	
Dibromochloromethane	ug/L	<0.50	1.0	12/16/16 09:43	
Dibromomethane	ug/L	<0.43	1.0	12/16/16 09:43	
Dichlorodifluoromethane	ug/L	<0.22	1.0	12/16/16 09:43	
Diisopropyl ether	ug/L	<0.50	1.0	12/16/16 09:43	
Ethylbenzene	ug/L	<0.50	1.0	12/16/16 09:43	

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

METHOD BLANK: 1447141

Matrix: Water

Associated Lab Samples: 40143522003, 40143522006, 40143522007, 40143522014, 40143522015, 40143522016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	12/16/16 09:43	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	12/16/16 09:43	
m&p-Xylene	ug/L	<1.0	2.0	12/16/16 09:43	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	12/16/16 09:43	
Methylene Chloride	ug/L	<0.23	1.0	12/16/16 09:43	
n-Butylbenzene	ug/L	<0.50	1.0	12/16/16 09:43	
n-Propylbenzene	ug/L	<0.50	1.0	12/16/16 09:43	
Naphthalene	ug/L	<2.5	5.0	12/16/16 09:43	
o-Xylene	ug/L	<0.50	1.0	12/16/16 09:43	
p-Isopropyltoluene	ug/L	<0.50	1.0	12/16/16 09:43	
sec-Butylbenzene	ug/L	<2.2	5.0	12/16/16 09:43	
Styrene	ug/L	<0.50	1.0	12/16/16 09:43	
tert-Butylbenzene	ug/L	<0.18	1.0	12/16/16 09:43	
Tetrachloroethene	ug/L	<0.50	1.0	12/16/16 09:43	
Toluene	ug/L	<0.50	1.0	12/16/16 09:43	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	12/16/16 09:43	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	12/16/16 09:43	
Trichloroethene	ug/L	<0.33	1.0	12/16/16 09:43	
Trichlorofluoromethane	ug/L	<0.18	1.0	12/16/16 09:43	
Vinyl chloride	ug/L	<0.18	1.0	12/16/16 09:43	
4-Bromofluorobenzene (S)	%	90	70-130	12/16/16 09:43	
Dibromofluoromethane (S)	%	101	70-130	12/16/16 09:43	
Toluene-d8 (S)	%	97	70-130	12/16/16 09:43	

LABORATORY CONTROL SAMPLE: 1447142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	59.6	68.2	114	70-131	
1,1,1,2-Tetrachloroethane	ug/L	59.6	59.7	100	67-130	
1,1,2-Trichloroethane	ug/L	59.6	61.9	104	70-130	
1,1-Dichloroethane	ug/L	59.6	61.9	104	70-133	
1,1-Dichloroethene	ug/L	59.6	59.0	99	70-130	
1,2,4-Trichlorobenzene	ug/L	59.6	61.6	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	59.6	60.6	102	50-150	
1,2-Dibromoethane (EDB)	ug/L	59.6	64.8	109	70-130	
1,2-Dichlorobenzene	ug/L	59.6	61.0	102	70-130	
1,2-Dichloroethane	ug/L	59.6	66.4	111	70-130	
1,2-Dichloropropane	ug/L	59.6	63.7	107	70-130	
1,3-Dichlorobenzene	ug/L	59.6	59.8	100	70-130	
1,4-Dichlorobenzene	ug/L	59.6	59.9	101	70-130	
Benzene	ug/L	59.6	61.9	104	60-135	
Bromodichloromethane	ug/L	59.6	63.2	106	70-130	
Bromoform	ug/L	59.6	76.2	128	70-130	
Bromomethane	ug/L	59.6	48.6	82	33-130	

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

LABORATORY CONTROL SAMPLE: 1447142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	59.6	71.6	120	70-138	
Chlorobenzene	ug/L	59.6	63.2	106	70-130	
Chloroethane	ug/L	59.6	63.7	107	51-130	
Chloroform	ug/L	59.6	60.7	102	70-130	
Chloromethane	ug/L	59.6	63.2	106	25-132	
cis-1,2-Dichloroethene	ug/L	59.6	59.5	100	69-130	
cis-1,3-Dichloropropene	ug/L	59.6	64.7	109	70-130	
Dibromochloromethane	ug/L	59.6	65.6	110	70-130	
Dichlorodifluoromethane	ug/L	59.6	60.7	102	23-130	
Ethylbenzene	ug/L	59.6	66.7	112	70-136	
Isopropylbenzene (Cumene)	ug/L	59.6	70.5	118	70-140	
m&p-Xylene	ug/L	119	134	112	70-138	
Methyl-tert-butyl ether	ug/L	59.6	65.6	110	66-138	
Methylene Chloride	ug/L	59.6	58.8	99	70-130	
o-Xylene	ug/L	59.6	67.9	114	70-134	
Styrene	ug/L	59.6	65.3	110	70-133	
Tetrachloroethene	ug/L	59.6	63.8	107	70-138	
Toluene	ug/L	59.6	63.5	107	70-130	
trans-1,2-Dichloroethene	ug/L	59.6	59.6	100	70-131	
trans-1,3-Dichloropropene	ug/L	59.6	62.7	105	69-130	
Trichloroethene	ug/L	59.6	62.5	105	70-130	
Trichlorofluoromethane	ug/L	59.6	73.0	122	50-150	
Vinyl chloride	ug/L	59.6	64.9	109	49-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Dibromofluoromethane (S)	%			104	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1447248 1447249

Parameter	Units	40143484002		MSD		MSD		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1-Trichloroethane	ug/L	<0.50	59.6	59.6	62.3	64.8	105	109	70-134	4	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	59.6	59.6	55.9	55.3	94	93	67-130	1	20		
1,1,2-Trichloroethane	ug/L	<0.20	59.6	59.6	58.2	57.8	98	97	70-130	1	20		
1,1-Dichloroethane	ug/L	<0.24	59.6	59.6	54.5	57.4	91	96	70-134	5	20		
1,1-Dichloroethene	ug/L	<0.41	59.6	59.6	53.1	56.5	89	95	68-136	6	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	59.6	59.6	60.2	61.7	101	103	62-139	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	59.6	59.6	54.9	52.3	92	88	50-150	5	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	59.6	59.6	59.2	58.4	99	98	70-130	1	20		
1,2-Dichlorobenzene	ug/L	<0.50	59.6	59.6	58.1	60.3	98	101	70-130	4	20		
1,2-Dichloroethane	ug/L	<0.17	59.6	59.6	58.6	57.8	98	97	70-130	1	20		
1,2-Dichloropropane	ug/L	<0.23	59.6	59.6	60.1	60.1	101	101	70-130	0	20		
1,3-Dichlorobenzene	ug/L	<0.50	59.6	59.6	56.5	59.5	95	100	70-131	5	20		
1,4-Dichlorobenzene	ug/L	<0.50	59.6	59.6	57.4	59.0	96	99	70-130	3	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1447248		1447249		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40143484002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Benzene	ug/L	<0.50	59.6	59.6	59.9	59.4	101	100	57-138	1	20	
Bromodichloromethane	ug/L	<0.50	59.6	59.6	60.4	60.6	101	102	70-130	0	20	
Bromoform	ug/L	<0.50	59.6	59.6	70.3	68.9	118	116	70-130	2	20	
Bromomethane	ug/L	<2.4	59.6	59.6	48.4	52.8	81	89	33-130	9	27	
Carbon tetrachloride	ug/L	<0.50	59.6	59.6	64.2	67.1	108	113	70-138	4	20	
Chlorobenzene	ug/L	<0.50	59.6	59.6	59.1	60.6	99	102	70-130	3	20	
Chloroethane	ug/L	<0.37	59.6	59.6	56.9	59.4	95	100	51-130	4	20	
Chloroform	ug/L	<2.5	59.6	59.6	53.0	60.5	89	102	70-130	13	20	
Chloromethane	ug/L	<0.50	59.6	59.6	57.7	57.1	97	96	25-132	1	20	
cis-1,2-Dichloroethene	ug/L	<0.26	59.6	59.6	52.8	62.8	89	105	61-140	17	20	
cis-1,3-Dichloropropene	ug/L	<0.50	59.6	59.6	63.7	61.1	107	103	70-130	4	20	
Dibromochloromethane	ug/L	<0.50	59.6	59.6	59.2	60.0	99	101	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.22	59.6	59.6	54.6	57.0	92	96	23-130	4	20	
Ethylbenzene	ug/L	<0.50	59.6	59.6	64.3	64.3	108	108	70-138	0	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	59.6	59.6	68.0	68.4	114	115	70-152	1	20	
m&p-Xylene	ug/L	<1.0	119	119	128	129	107	108	70-140	1	20	
Methyl-tert-butyl ether	ug/L	<0.17	59.6	59.6	55.6	56.2	93	94	66-139	1	20	
Methylene Chloride	ug/L	<0.23	59.6	59.6	50.8	52.7	85	88	70-130	4	20	
o-Xylene	ug/L	<0.50	59.6	59.6	65.0	65.5	109	110	70-134	1	20	
Styrene	ug/L	<0.50	59.6	59.6	61.5	61.8	103	104	70-138	1	20	
Tetrachloroethene	ug/L	<0.50	59.6	59.6	61.1	62.3	103	105	70-148	2	20	
Toluene	ug/L	<0.50	59.6	59.6	60.5	60.9	101	102	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	<0.26	59.6	59.6	53.9	56.7	90	95	70-133	5	20	
trans-1,3-Dichloropropene	ug/L	<0.23	59.6	59.6	59.5	57.8	100	97	69-130	3	20	
Trichloroethene	ug/L	<0.33	59.6	59.6	59.8	61.8	100	104	70-131	3	20	
Trichlorofluoromethane	ug/L	<0.18	59.6	59.6	66.1	69.3	111	116	50-150	5	20	
Vinyl chloride	ug/L	<0.18	59.6	59.6	59.3	61.6	99	103	49-133	4	20	
4-Bromofluorobenzene (S)	%						108	105	70-130			
Dibromofluoromethane (S)	%						105	106	70-130			
Toluene-d8 (S)	%						101	98	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

QC Batch: 244388 Analysis Method: EPA 8270 by SIM
 QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
 Associated Lab Samples: 40143522001, 40143522002, 40143522004, 40143522005, 40143522008, 40143522009

METHOD BLANK: 1447228 Matrix: Solid
 Associated Lab Samples: 40143522001, 40143522002, 40143522004, 40143522005, 40143522008, 40143522009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	12/20/16 11:24	
2-Methylnaphthalene	ug/kg	<5.0	16.7	12/20/16 11:24	
Acenaphthene	ug/kg	<3.9	12.9	12/20/16 11:24	
Acenaphthylene	ug/kg	<3.3	11.0	12/20/16 11:24	
Anthracene	ug/kg	<5.7	19.0	12/20/16 11:24	
Benzo(a)anthracene	ug/kg	<3.2	10.6	12/20/16 11:24	
Benzo(a)pyrene	ug/kg	<2.5	8.4	12/20/16 11:24	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	12/20/16 11:24	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	12/20/16 11:24	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	12/20/16 11:24	
Chrysene	ug/kg	<3.4	11.2	12/20/16 11:24	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	12/20/16 11:24	
Fluoranthene	ug/kg	<5.2	17.4	12/20/16 11:24	
Fluorene	ug/kg	<4.1	13.8	12/20/16 11:24	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	12/20/16 11:24	
Naphthalene	ug/kg	<8.4	28.1	12/20/16 11:24	
Phenanthrene	ug/kg	<11.6	38.8	12/20/16 11:24	
Pyrene	ug/kg	<4.5	15.0	12/20/16 11:24	
2-Fluorobiphenyl (S)	%	78	26-130	12/20/16 11:24	
Terphenyl-d14 (S)	%	93	10-130	12/20/16 11:24	

LABORATORY CONTROL SAMPLE: 1447229

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	252	76	48-130	
2-Methylnaphthalene	ug/kg	333	250	75	49-130	
Acenaphthene	ug/kg	333	274	82	54-130	
Acenaphthylene	ug/kg	333	274	82	56-130	
Anthracene	ug/kg	333	302	91	70-130	
Benzo(a)anthracene	ug/kg	333	300	90	58-130	
Benzo(a)pyrene	ug/kg	333	324	97	58-130	
Benzo(b)fluoranthene	ug/kg	333	334	100	50-130	
Benzo(g,h,i)perylene	ug/kg	333	300	90	39-130	
Benzo(k)fluoranthene	ug/kg	333	335	100	57-130	
Chrysene	ug/kg	333	343	103	64-130	
Dibenz(a,h)anthracene	ug/kg	333	299	90	44-130	
Fluoranthene	ug/kg	333	295	88	59-130	
Fluorene	ug/kg	333	279	84	56-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	310	93	45-130	
Naphthalene	ug/kg	333	248	75	46-130	

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

LABORATORY CONTROL SAMPLE: 1447229

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	295	88	56-130	
Pyrene	ug/kg	333	311	93	59-130	
2-Fluorobiphenyl (S)	%			76	26-130	
Terphenyl-d14 (S)	%			89	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1447230 1447231

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40143477009 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1-Methylnaphthalene	ug/kg	<4.8	399	399	273	287	68	72	41-130	5	24	
2-Methylnaphthalene	ug/kg	<6.0	399	399	272	286	68	71	42-130	5	25	
Acenaphthene	ug/kg	<4.7	399	399	274	288	69	72	49-130	5	27	
Acenaphthylene	ug/kg	<4.0	399	399	274	290	69	72	52-130	6	26	
Anthracene	ug/kg	<6.9	399	399	279	303	70	76	61-130	8	29	
Benzo(a)anthracene	ug/kg	<3.8	399	399	286	295	71	74	45-130	3	28	
Benzo(a)pyrene	ug/kg	<3.0	399	399	295	310	74	77	39-130	5	34	
Benzo(b)fluoranthene	ug/kg	<3.4	399	399	297	307	74	77	30-130	3	43	
Benzo(g,h,i)perylene	ug/kg	<2.4	399	399	295	288	74	72	24-130	3	34	
Benzo(k)fluoranthene	ug/kg	<3.0	399	399	297	315	74	79	41-130	6	32	
Chrysene	ug/kg	<4.0	399	399	313	324	78	81	46-130	3	37	
Dibenz(a,h)anthracene	ug/kg	<2.7	399	399	290	292	72	73	33-130	1	34	
Fluoranthene	ug/kg	<6.2	399	399	266	285	67	71	41-130	7	25	
Fluorene	ug/kg	<5.0	399	399	272	292	68	73	49-130	7	30	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.6	399	399	302	304	75	76	30-130	1	28	
Naphthalene	ug/kg	<10.1	399	399	247	265	62	66	39-130	7	26	
Phenanthrene	ug/kg	<14.0	399	399	276	299	69	75	47-130	8	26	
Pyrene	ug/kg	<5.4	399	399	295	309	74	77	37-130	5	30	
2-Fluorobiphenyl (S)	%						61	59	26-130			
Terphenyl-d14 (S)	%						73	70	10-130			

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY
Pace Project No.: 40143522

QC Batch: 244655 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40143522001, 40143522002, 40143522004, 40143522005, 40143522008, 40143522009, 40143522010

SAMPLE DUPLICATE: 1448460

Parameter	Units	40143494008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.1	21.9	1	10	

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

QC Batch: 244660

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40143522011, 40143522012, 40143522013

SAMPLE DUPLICATE: 1448477

Parameter	Units	40143656001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.9	9.0	1	10	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

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

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

W Non-detect results are reported on a wet weight basis.

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUGGAR PROPERTY

Pace Project No.: 40143522

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40143522001	DP-3 (1.5-2)	EPA 3050	244434	EPA 6010	244580
40143522002	DP-3 (11.5-12)	EPA 3050	244434	EPA 6010	244580
40143522004	DP-4 (3-4)	EPA 3050	244434	EPA 6010	244580
40143522005	DP-4 (11.5-12)	EPA 3050	244434	EPA 6010	244580
40143522008	DP-7 (3-4)	EPA 3050	244434	EPA 6010	244580
40143522009	DP-7 (8-9)	EPA 3050	244434	EPA 6010	244580
40143522010	DP-9 (3-4)	EPA 3050	244434	EPA 6010	244580
40143522011	DP-9 (12-13)	EPA 3050	244434	EPA 6010	244580
40143522012	DP-10 (3-4)	EPA 3050	244434	EPA 6010	244580
40143522013	DP-10 (11.5-12)	EPA 3050	244434	EPA 6010	244580
40143522001	DP-3 (1.5-2)	EPA 3546	244388	EPA 8270 by SIM	244413
40143522002	DP-3 (11.5-12)	EPA 3546	244388	EPA 8270 by SIM	244413
40143522004	DP-4 (3-4)	EPA 3546	244388	EPA 8270 by SIM	244413
40143522005	DP-4 (11.5-12)	EPA 3546	244388	EPA 8270 by SIM	244413
40143522008	DP-7 (3-4)	EPA 3546	244388	EPA 8270 by SIM	244413
40143522009	DP-7 (8-9)	EPA 3546	244388	EPA 8270 by SIM	244413
40143522001	DP-3 (1.5-2)	EPA 5035/5030B	244385	EPA 8260	244386
40143522002	DP-3 (11.5-12)	EPA 5035/5030B	244385	EPA 8260	244386
40143522004	DP-4 (3-4)	EPA 5035/5030B	244385	EPA 8260	244386
40143522005	DP-4 (11.5-12)	EPA 5035/5030B	244385	EPA 8260	244386
40143522010	DP-9 (3-4)	EPA 5035/5030B	244385	EPA 8260	244386
40143522011	DP-9 (12-13)	EPA 5035/5030B	244385	EPA 8260	244386
40143522012	DP-10 (3-4)	EPA 5035/5030B	244385	EPA 8260	244386
40143522013	DP-10 (11.5-12)	EPA 5035/5030B	244385	EPA 8260	244386
40143522003	DP-3 W	EPA 8260	244358		
40143522006	DP-4 W	EPA 8260	244358		
40143522007	DP-7 W	EPA 8260	244358		
40143522014	DP-10 W	EPA 8260	244358		
40143522015	DP-9 W	EPA 8260	244358		
40143522016	TRIP BLANK	EPA 8260	244358		
40143522001	DP-3 (1.5-2)	ASTM D2974-87	244655		
40143522002	DP-3 (11.5-12)	ASTM D2974-87	244655		
40143522004	DP-4 (3-4)	ASTM D2974-87	244655		
40143522005	DP-4 (11.5-12)	ASTM D2974-87	244655		
40143522008	DP-7 (3-4)	ASTM D2974-87	244655		
40143522009	DP-7 (8-9)	ASTM D2974-87	244655		
40143522010	DP-9 (3-4)	ASTM D2974-87	244655		
40143522011	DP-9 (12-13)	ASTM D2974-87	244660		
40143522012	DP-10 (3-4)	ASTM D2974-87	244660		
40143522013	DP-10 (11.5-12)	ASTM D2974-87	244660		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Midwest Env. Consulting
 Branch/Location: Burlington, WI
 Project Contact: Sean Cranley
 Phone: 262-237-4351
 Project Number: _____
 Project Name: Sugar Property
 Project State: Kenosha, WI
 Sampled By (Print): Sean Cranley
 Sampled By (Sign): [Signature]
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-489-2436

Page 1 of 2
 40143522
 Page 57 of 60

CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)

DATE	TIME	MATRIX	VOCs	PAHs	Lead	Cadmium
12/14/16	0950	S	X	X	X	X
12/14/16	1015	S		X	X	X
12/14/16	1040	GW				
12/14/16	1045	S		X	X	X
12/14/16	1100	S		X	X	X
12/14/16	1115	GW				
12/14/16	1230	GW				
12/14/16	1155	S		X	X	X
12/14/16	1210			X		X
12/14/16	1250		X			
12/14/16	1315					
12/14/16	1350					
12/14/16	1400					

Quote #: PECF A U & C
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
001	DP-3 (1.5-2)	12/14/16	0950	S
002	DP-3 (11.5-12)		1015	S
003	DP-3 W		1040	GW
004	DP-4 (3-4)		1045	S
005	DP-4 (11.5-12)		1100	S
006	DP-4 W		1115	GW
007	DP-7 W		1230	GW
008	DP-7 (3-4)		1155	S
009	DP-7 (8-9)		1210	
010	DP-9 (3-4)		1250	
011	DP-9 (12-13)		1315	
012	DP-10 (3-4)		1350	
013	DP-10 (11.5-12)		1400	

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
1-4oz ag ^A	1-4oz p ^A	1-40ml v ^F
		3-40ml v ^B
		3-40ml v ^B
1-4oz ag ^A	1-4oz p ^A	
		1-40ml v ^F

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):
 Email #1: mwanvickson@gmail.com
 Email #2: _____
 Telephone: _____
 Fax: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: [Signature] Date/Time: 12/14/16 10:40
 Relinquished By: Mary Fanning Date/Time: 12/14/16 13:30
 Relinquished By: [Signature] Date/Time: 12-15-16 1110
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: Mary Fanning Date/Time: 12/14/16 10:40
 Received By: _____ Date/Time: _____
 Received By: [Signature] Date/Time: 12-15-16 1110
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. 40143522
 Receipt Temp = ROT °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal
 Present Not Present
 Intact Not Intact

Sample Condition Upon Receipt

Pace Analytical Services, LLC. - Green Bay WI
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Client Name: Midwest Env.

Project #

WO#: **40143522**

Courier: Fed Ex UPS Client Pace Other: CS Logistics



40143522

Tracking #: _____
Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Custody Seal on Samples Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: N/A Type of Ice: Ice Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: ROT / ICorr: Biological Tissue is Frozen: Yes No

Temp Blank Present: Yes No No

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C.

Person examining contents:

Date: 12-15-16
Initials: SKW

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>016 - In shipment Lab added to COC (trip blank)</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>12-15-16 SKW</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
- Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
- Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>No collect date + time on all samples</u>
- Includes date/time/ID/Analysis Matrix: <u>S+W</u>		<u>12-15-16</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct <u>SKW</u>
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: (VOA) coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>003-3 vials; 006-3 vials; 007-2 vials</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>012-1 vial; 013-2 vials</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>12-15-16 SKW</u>
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: 1/2 inch sediment in all water vials 12-15-16 SKW

Project Manager Review:

SKW

Date: 12-15-16

January 30, 2017

Sean Cranley
Midwest Environmental Consulting
N6395 E. Paradise Rd
Burlington, WI 53105

RE: Project: SUGGAR PROPERTY
Pace Project No.: 40144399

Dear Sean Cranley:

Enclosed are the analytical results for sample(s) received by the laboratory on January 12, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40144399001	DP-8 (1.5-2)	Solid	01/10/17 10:20	01/12/17 10:40
40144399002	DP-8 (11.5-12)	Solid	01/10/17 10:35	01/12/17 10:40
40144399003	DP-8W	Water	01/10/17 10:50	01/12/17 10:40
40144399004	DP-11 (3-4)	Solid	01/10/17 11:45	01/12/17 10:40
40144399005	DP-11 (11.5-12)	Solid	01/10/17 11:55	01/12/17 10:40
40144399006	DP-11W	Water	01/10/17 12:10	01/12/17 10:40
40144399007	DP-7 (3-4)	Solid	01/10/17 12:30	01/12/17 10:40
40144399008	DP-7 (7-8)	Solid	01/10/17 12:40	01/12/17 10:40
40144399009	DP-5 (3-4)	Solid	01/10/17 12:50	01/12/17 10:40
40144399010	DP-5 (7-8)	Solid	01/10/17 13:00	01/12/17 10:40
40144399011	DP-5W	Water	01/10/17 13:15	01/12/17 10:40
40144399012	DP-6 (3-4)	Solid	01/10/17 13:50	01/12/17 10:40
40144399013	DP-6 (11-12)	Solid	01/10/17 14:15	01/12/17 10:40
40144399014	DP-6W	Water	01/10/17 14:25	01/12/17 10:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40144399001	DP-8 (1.5-2)	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40144399002	DP-8 (11.5-12)	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40144399003	DP-8W	EPA 8260	HNW	64	PASI-G
40144399004	DP-11 (3-4)	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40144399005	DP-11 (11.5-12)	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40144399006	DP-11W	EPA 8260	HNW	64	PASI-G
40144399007	DP-7 (3-4)	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
		EPA 8260	SMT	64	PASI-G
40144399008	DP-7 (7-8)	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
		EPA 6010	DLB	2	PASI-G
40144399009	DP-5 (3-4)	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40144399010	DP-5 (7-8)	EPA 6010	DLB	2	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
40144399011	DP-5W	ASTM D2974-87	TEL	1	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 6010	DLB	2	PASI-G
40144399012	DP-6 (3-4)	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40144399013	DP-6 (11-12)	EPA 6010	DLB	2	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
40144399014	DP-6W	ASTM D2974-87	TEL	1	PASI-G
		EPA 8260	HNW	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-8 (1.5-2) **Lab ID: 40144399001** Collected: 01/10/17 10:20 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	28.5	mg/kg	1.7	0.55	1	01/13/17 09:02	01/13/17 17:12	7439-92-1	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	630-20-6	W
1,1,1-Trichloroethane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	71-55-6	W
1,1,2,2-Tetrachloroethane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	79-34-5	W
1,1,2-Trichloroethane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	79-00-5	W
1,1-Dichloroethane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	75-34-3	W
1,1-Dichloroethene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	75-35-4	W
1,1-Dichloropropene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	563-58-6	W
1,2,3-Trichlorobenzene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	87-61-6	W
1,2,3-Trichloropropane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	96-18-4	W
1,2,4-Trichlorobenzene	< 47.6	ug/kg	250	47.6	1	01/13/17 13:04	01/17/17 17:13	120-82-1	W
1,2,4-Trimethylbenzene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	95-63-6	W
1,2-Dibromo-3-chloropropane	< 91.2	ug/kg	250	91.2	1	01/13/17 13:04	01/17/17 17:13	96-12-8	W
1,2-Dibromoethane (EDB)	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	106-93-4	W
1,2-Dichlorobenzene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	95-50-1	W
1,2-Dichloroethane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	107-06-2	W
1,2-Dichloropropane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	78-87-5	W
1,3,5-Trimethylbenzene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	108-67-8	W
1,3-Dichlorobenzene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	541-73-1	W
1,3-Dichloropropane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	142-28-9	W
1,4-Dichlorobenzene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	106-46-7	W
2,2-Dichloropropane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	594-20-7	W
2-Chlorotoluene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	95-49-8	W
4-Chlorotoluene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	106-43-4	W
Benzene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	71-43-2	W
Bromobenzene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	108-86-1	W
Bromochloromethane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	74-97-5	W
Bromodichloromethane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	75-27-4	W
Bromoform	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	75-25-2	W
Bromomethane	< 69.9	ug/kg	250	69.9	1	01/13/17 13:04	01/17/17 17:13	74-83-9	W
Carbon tetrachloride	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	56-23-5	L2,W
Chlorobenzene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	108-90-7	W
Chloroethane	< 67.0	ug/kg	250	67.0	1	01/13/17 13:04	01/17/17 17:13	75-00-3	W
Chloroform	< 46.4	ug/kg	250	46.4	1	01/13/17 13:04	01/17/17 17:13	67-66-3	W
Chloromethane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	74-87-3	W
Dibromochloromethane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	124-48-1	W
Dibromomethane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	74-95-3	W
Dichlorodifluoromethane	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	75-71-8	W
Diisopropyl ether	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	108-20-3	W
Ethylbenzene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	100-41-4	W
Hexachloro-1,3-butadiene	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	87-68-3	W
Isopropylbenzene (Cumene)	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	98-82-8	W
Methyl-tert-butyl ether	< 25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	1634-04-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-8 (1.5-2) **Lab ID: 40144399001** Collected: 01/10/17 10:20 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	01/13/17 13:04	01/17/17 17:13	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	01/13/17 13:04	01/17/17 17:13	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:13	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	86	%	53-165		1	01/13/17 13:04	01/17/17 17:13	1868-53-7	
Toluene-d8 (S)	92	%	54-163		1	01/13/17 13:04	01/17/17 17:13	2037-26-5	
4-Bromofluorobenzene (S)	86	%	48-138		1	01/13/17 13:04	01/17/17 17:13	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	24.3	%	0.10	0.10	1		01/16/17 13:42		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-8 (11.5-12) Lab ID: 40144399002 Collected: 01/10/17 10:35 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	17.7	mg/kg	1.4	0.46	1	01/13/17 09:02	01/13/17 17:18	7439-92-1	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	01/13/17 13:04	01/18/17 10:53	120-82-1	W
1,2,4-Trimethylbenzene	399	ug/kg	66.9	27.9	1	01/13/17 13:04	01/18/17 10:53	95-63-6	
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	01/13/17 13:04	01/18/17 10:53	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	78-87-5	W
1,3,5-Trimethylbenzene	44.2J	ug/kg	66.9	27.9	1	01/13/17 13:04	01/18/17 10:53	108-67-8	
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	01/13/17 13:04	01/18/17 10:53	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	56-23-5	L2,W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	01/13/17 13:04	01/18/17 10:53	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	01/13/17 13:04	01/18/17 10:53	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	87-68-3	W
Isopropylbenzene (Cumene)	443	ug/kg	66.9	27.9	1	01/13/17 13:04	01/18/17 10:53	98-82-8	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	1634-04-4	W

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-8 (11.5-12) **Lab ID: 40144399002** Collected: 01/10/17 10:35 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	01/13/17 13:04	01/18/17 10:53	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	01/13/17 13:04	01/18/17 10:53	179601-23-1	W
n-Butylbenzene	438	ug/kg	66.9	27.9	1	01/13/17 13:04	01/18/17 10:53	104-51-8	
n-Propylbenzene	403	ug/kg	66.9	27.9	1	01/13/17 13:04	01/18/17 10:53	103-65-1	
o-Xylene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	99-87-6	W
sec-Butylbenzene	533	ug/kg	66.9	27.9	1	01/13/17 13:04	01/18/17 10:53	135-98-8	
tert-Butylbenzene	39.6J	ug/kg	66.9	27.9	1	01/13/17 13:04	01/18/17 10:53	98-06-6	
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/18/17 10:53	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	86	%	53-165		1	01/13/17 13:04	01/18/17 10:53	1868-53-7	
Toluene-d8 (S)	93	%	54-163		1	01/13/17 13:04	01/18/17 10:53	2037-26-5	
4-Bromofluorobenzene (S)	88	%	48-138		1	01/13/17 13:04	01/18/17 10:53	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	10.4	%	0.10	0.10	1		01/16/17 13:42		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-8W Lab ID: 40144399003 Collected: 01/10/17 10:50 Received: 01/12/17 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		01/13/17 17:04	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		01/13/17 17:04	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		01/13/17 17:04	74-83-9	
n-Butylbenzene	42.1	ug/L	10.0	5.0	10		01/13/17 17:04	104-51-8	
sec-Butylbenzene	22.7J	ug/L	50.0	21.9	10		01/13/17 17:04	135-98-8	
tert-Butylbenzene	3.1J	ug/L	10.0	1.8	10		01/13/17 17:04	98-06-6	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		01/13/17 17:04	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		01/13/17 17:04	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	74-87-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		01/13/17 17:04	106-43-4	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		01/13/17 17:04	96-12-8	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	124-48-1	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		01/13/17 17:04	106-93-4	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		01/13/17 17:04	74-95-3	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	95-50-1	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	541-73-1	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	106-46-7	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		01/13/17 17:04	75-71-8	
1,1-Dichloroethane	<2.4	ug/L	10.0	2.4	10		01/13/17 17:04	75-34-3	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		01/13/17 17:04	107-06-2	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		01/13/17 17:04	75-35-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		01/13/17 17:04	156-59-2	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		01/13/17 17:04	156-60-5	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		01/13/17 17:04	78-87-5	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	142-28-9	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		01/13/17 17:04	594-20-7	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		01/13/17 17:04	563-58-6	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	10061-01-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		01/13/17 17:04	10061-02-6	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	108-20-3	
Ethylbenzene	16.4	ug/L	10.0	5.0	10		01/13/17 17:04	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		01/13/17 17:04	87-68-3	
Isopropylbenzene (Cumene)	62.1	ug/L	10.0	1.4	10		01/13/17 17:04	98-82-8	
p-Isopropyltoluene	9.0J	ug/L	10.0	5.0	10		01/13/17 17:04	99-87-6	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		01/13/17 17:04	75-09-2	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		01/13/17 17:04	1634-04-4	
Naphthalene	<25.0	ug/L	50.0	25.0	10		01/13/17 17:04	91-20-3	
n-Propylbenzene	182	ug/L	10.0	5.0	10		01/13/17 17:04	103-65-1	
Styrene	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	100-42-5	
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		01/13/17 17:04	630-20-6	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-8W **Lab ID: 40144399003** Collected: 01/10/17 10:50 Received: 01/12/17 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		01/13/17 17:04	79-34-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	127-18-4	
Toluene	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	108-88-3	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		01/13/17 17:04	87-61-6	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		01/13/17 17:04	120-82-1	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	71-55-6	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		01/13/17 17:04	79-00-5	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		01/13/17 17:04	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		01/13/17 17:04	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	96-18-4	
1,2,4-Trimethylbenzene	520	ug/L	10.0	5.0	10		01/13/17 17:04	95-63-6	
1,3,5-Trimethylbenzene	21.2	ug/L	10.0	5.0	10		01/13/17 17:04	108-67-8	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		01/13/17 17:04	75-01-4	
m&p-Xylene	20.6	ug/L	20.0	10.0	10		01/13/17 17:04	179601-23-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		01/13/17 17:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		01/13/17 17:04	460-00-4	pH
Dibromofluoromethane (S)	91	%	70-130		10		01/13/17 17:04	1868-53-7	
Toluene-d8 (S)	97	%	70-130		10		01/13/17 17:04	2037-26-5	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-11 (3-4) **Lab ID: 40144399004** Collected: 01/10/17 11:45 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	3.1	mg/kg	1.2	0.41	1	01/13/17 09:02	01/13/17 17:21	7439-92-1	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	01/13/17 13:04	01/17/17 17:36	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	01/13/17 13:04	01/17/17 17:36	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	01/13/17 13:04	01/17/17 17:36	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	56-23-5	L2,W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	01/13/17 13:04	01/17/17 17:36	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	01/13/17 13:04	01/17/17 17:36	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	1634-04-4	W

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-11 (3-4) **Lab ID: 40144399004** Collected: 01/10/17 11:45 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	01/13/17 13:04	01/17/17 17:36	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	01/13/17 13:04	01/17/17 17:36	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 17:36	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	84	%	53-165		1	01/13/17 13:04	01/17/17 17:36	1868-53-7	
Toluene-d8 (S)	90	%	54-163		1	01/13/17 13:04	01/17/17 17:36	2037-26-5	
4-Bromofluorobenzene (S)	85	%	48-138		1	01/13/17 13:04	01/17/17 17:36	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	3.6	%	0.10	0.10	1		01/16/17 13:42		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-11 (11.5-12) **Lab ID: 40144399005** Collected: 01/10/17 11:55 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	7.7	mg/kg	1.3	0.43	1	01/13/17 09:02	01/13/17 17:23	7439-92-1	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	01/13/17 13:04	01/17/17 18:22	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	01/13/17 13:04	01/17/17 18:22	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	01/13/17 13:04	01/17/17 18:22	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	56-23-5	L2,W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	01/13/17 13:04	01/17/17 18:22	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	01/13/17 13:04	01/17/17 18:22	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	1634-04-4	W

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-11 (11.5-12) **Lab ID: 40144399005** Collected: 01/10/17 11:55 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	01/13/17 13:04	01/17/17 18:22	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	01/13/17 13:04	01/17/17 18:22	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:22	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	81	%	53-165		1	01/13/17 13:04	01/17/17 18:22	1868-53-7	
Toluene-d8 (S)	86	%	54-163		1	01/13/17 13:04	01/17/17 18:22	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-138		1	01/13/17 13:04	01/17/17 18:22	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.5	%	0.10	0.10	1		01/16/17 13:42		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-11W Lab ID: 40144399006 Collected: 01/10/17 12:10 Received: 01/12/17 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		01/13/17 14:50	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		01/13/17 14:50	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		01/13/17 14:50	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		01/13/17 14:50	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		01/13/17 14:50	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		01/13/17 14:50	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		01/13/17 14:50	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		01/13/17 14:50	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		01/13/17 14:50	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		01/13/17 14:50	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		01/13/17 14:50	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		01/13/17 14:50	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		01/13/17 14:50	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		01/13/17 14:50	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		01/13/17 14:50	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		01/13/17 14:50	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		01/13/17 14:50	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		01/13/17 14:50	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		01/13/17 14:50	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		01/13/17 14:50	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		01/13/17 14:50	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		01/13/17 14:50	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		01/13/17 14:50	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		01/13/17 14:50	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		01/13/17 14:50	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		01/13/17 14:50	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		01/13/17 14:50	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-11W **Lab ID: 40144399006** Collected: 01/10/17 12:10 Received: 01/12/17 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		01/13/17 14:50	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		01/13/17 14:50	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		01/13/17 14:50	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		01/13/17 14:50	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		01/13/17 14:50	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		01/13/17 14:50	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		01/13/17 14:50	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		01/13/17 14:50	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		01/13/17 14:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		01/13/17 14:50	460-00-4	pH
Dibromofluoromethane (S)	93	%	70-130		1		01/13/17 14:50	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		01/13/17 14:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-7 (3-4) Lab ID: 40144399007 Collected: 01/10/17 12:30 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	01/13/17 13:04	01/17/17 18:46	120-82-1	W
1,2,4-Trimethylbenzene	52.0J	ug/kg	76.4	31.8	1	01/13/17 13:04	01/17/17 18:46	95-63-6	
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	01/13/17 13:04	01/17/17 18:46	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	01/13/17 13:04	01/17/17 18:46	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	56-23-5	L2,W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	01/13/17 13:04	01/17/17 18:46	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	01/13/17 13:04	01/17/17 18:46	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	01/13/17 13:04	01/17/17 18:46	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-7 (3-4) **Lab ID: 40144399007** Collected: 01/10/17 12:30 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	10061-01-5	W
m&p-Xylene	64.5J	ug/kg	153	63.7	1	01/13/17 13:04	01/17/17 18:46	179601-23-1	
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 18:46	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	80	%	53-165		1	01/13/17 13:04	01/17/17 18:46	1868-53-7	
Toluene-d8 (S)	87	%	54-163		1	01/13/17 13:04	01/17/17 18:46	2037-26-5	
4-Bromofluorobenzene (S)	82	%	48-138		1	01/13/17 13:04	01/17/17 18:46	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	21.5	%	0.10	0.10	1		01/16/17 13:42		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-7 (7-8) Lab ID: 40144399008 Collected: 01/10/17 12:40 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	630-20-6	W
1,1,1-Trichloroethane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	71-55-6	W
1,1,2,2-Tetrachloroethane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	79-34-5	W
1,1,2-Trichloroethane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	79-00-5	W
1,1-Dichloroethane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	75-34-3	W
1,1-Dichloroethene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	75-35-4	W
1,1-Dichloropropene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	563-58-6	W
1,2,3-Trichlorobenzene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	87-61-6	W
1,2,3-Trichloropropane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	96-18-4	W
1,2,4-Trichlorobenzene	<594	ug/kg	3120	594	12.5	01/13/17 13:04	01/18/17 11:16	120-82-1	W
1,2,4-Trimethylbenzene	62600	ug/kg	844	352	12.5	01/13/17 13:04	01/18/17 11:16	95-63-6	
1,2-Dibromo-3-chloropropane	<1140	ug/kg	3120	1140	12.5	01/13/17 13:04	01/18/17 11:16	96-12-8	W
1,2-Dibromoethane (EDB)	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	106-93-4	W
1,2-Dichlorobenzene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	95-50-1	W
1,2-Dichloroethane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	107-06-2	W
1,2-Dichloropropane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	78-87-5	W
1,3,5-Trimethylbenzene	17500	ug/kg	844	352	12.5	01/13/17 13:04	01/18/17 11:16	108-67-8	
1,3-Dichlorobenzene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	541-73-1	W
1,3-Dichloropropane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	142-28-9	W
1,4-Dichlorobenzene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	106-46-7	W
2,2-Dichloropropane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	594-20-7	W
2-Chlorotoluene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	95-49-8	W
4-Chlorotoluene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	106-43-4	W
Benzene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	71-43-2	W
Bromobenzene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	108-86-1	W
Bromochloromethane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	74-97-5	W
Bromodichloromethane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	75-27-4	W
Bromoform	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	75-25-2	W
Bromomethane	<874	ug/kg	3120	874	12.5	01/13/17 13:04	01/18/17 11:16	74-83-9	W
Carbon tetrachloride	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	56-23-5	L2,W
Chlorobenzene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	108-90-7	W
Chloroethane	<838	ug/kg	3120	838	12.5	01/13/17 13:04	01/18/17 11:16	75-00-3	W
Chloroform	<581	ug/kg	3120	581	12.5	01/13/17 13:04	01/18/17 11:16	67-66-3	W
Chloromethane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	74-87-3	W
Dibromochloromethane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	124-48-1	W
Dibromomethane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	74-95-3	W
Dichlorodifluoromethane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	75-71-8	W
Diisopropyl ether	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	108-20-3	W
Ethylbenzene	11800	ug/kg	844	352	12.5	01/13/17 13:04	01/18/17 11:16	100-41-4	
Hexachloro-1,3-butadiene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	87-68-3	W
Isopropylbenzene (Cumene)	3260	ug/kg	844	352	12.5	01/13/17 13:04	01/18/17 11:16	98-82-8	
Methyl-tert-butyl ether	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	1634-04-4	W
Methylene Chloride	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	75-09-2	W
Naphthalene	17200	ug/kg	3520	563	12.5	01/13/17 13:04	01/18/17 11:16	91-20-3	
Styrene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	100-42-5	W

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-7 (7-8) **Lab ID: 40144399008** Collected: 01/10/17 12:40 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Tetrachloroethene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	127-18-4	W
Toluene	1140	ug/kg	844	352	12.5	01/13/17 13:04	01/18/17 11:16	108-88-3	
Trichloroethene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	79-01-6	W
Trichlorofluoromethane	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	75-69-4	W
Vinyl chloride	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	75-01-4	W
cis-1,2-Dichloroethene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	156-59-2	W
cis-1,3-Dichloropropene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	10061-01-5	W
m&p-Xylene	34700	ug/kg	1690	703	12.5	01/13/17 13:04	01/18/17 11:16	179601-23-1	
n-Butylbenzene	10100	ug/kg	844	352	12.5	01/13/17 13:04	01/18/17 11:16	104-51-8	
n-Propylbenzene	12300	ug/kg	844	352	12.5	01/13/17 13:04	01/18/17 11:16	103-65-1	
o-Xylene	10700	ug/kg	844	352	12.5	01/13/17 13:04	01/18/17 11:16	95-47-6	
p-Isopropyltoluene	1480	ug/kg	844	352	12.5	01/13/17 13:04	01/18/17 11:16	99-87-6	
sec-Butylbenzene	2050	ug/kg	844	352	12.5	01/13/17 13:04	01/18/17 11:16	135-98-8	
tert-Butylbenzene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	98-06-6	W
trans-1,2-Dichloroethene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	156-60-5	W
trans-1,3-Dichloropropene	<312	ug/kg	750	312	12.5	01/13/17 13:04	01/18/17 11:16	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	53-165		12.5	01/13/17 13:04	01/18/17 11:16	1868-53-7	S4
Toluene-d8 (S)	0	%	54-163		12.5	01/13/17 13:04	01/18/17 11:16	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	48-138		12.5	01/13/17 13:04	01/18/17 11:16	460-00-4	S4
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.1	%	0.10	0.10	1		01/16/17 13:42		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-5 (3-4) Lab ID: 40144399009 Collected: 01/10/17 12:50 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Cadmium	<0.15	mg/kg	0.58	0.15	1	01/13/17 09:02	01/13/17 17:25	7440-43-9	
Lead	13.8	mg/kg	1.5	0.50	1	01/13/17 09:02	01/13/17 17:25	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.8	ug/kg	15.8	4.8	1	01/24/17 09:22	01/24/17 12:27	83-32-9	
Acenaphthylene	<4.0	ug/kg	13.5	4.0	1	01/24/17 09:22	01/24/17 12:27	208-96-8	
Anthracene	<7.0	ug/kg	23.3	7.0	1	01/24/17 09:22	01/24/17 12:27	120-12-7	
Benzo(a)anthracene	<3.9	ug/kg	13.0	3.9	1	01/24/17 09:22	01/24/17 12:27	56-55-3	
Benzo(a)pyrene	<3.1	ug/kg	10.3	3.1	1	01/24/17 09:22	01/24/17 12:27	50-32-8	
Benzo(b)fluoranthene	<3.5	ug/kg	11.5	3.5	1	01/24/17 09:22	01/24/17 12:27	205-99-2	
Benzo(g,h,i)perylene	<2.5	ug/kg	8.3	2.5	1	01/24/17 09:22	01/24/17 12:27	191-24-2	
Benzo(k)fluoranthene	<3.1	ug/kg	10.3	3.1	1	01/24/17 09:22	01/24/17 12:27	207-08-9	
Chrysene	<4.1	ug/kg	13.7	4.1	1	01/24/17 09:22	01/24/17 12:27	218-01-9	
Dibenz(a,h)anthracene	<2.7	ug/kg	9.1	2.7	1	01/24/17 09:22	01/24/17 12:27	53-70-3	
Fluoranthene	<6.4	ug/kg	21.4	6.4	1	01/24/17 09:22	01/24/17 12:27	206-44-0	
Fluorene	<5.1	ug/kg	16.9	5.1	1	01/24/17 09:22	01/24/17 12:27	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.7	ug/kg	9.0	2.7	1	01/24/17 09:22	01/24/17 12:27	193-39-5	
1-Methylnaphthalene	<4.9	ug/kg	16.4	4.9	1	01/24/17 09:22	01/24/17 12:27	90-12-0	
2-Methylnaphthalene	<6.1	ug/kg	20.5	6.1	1	01/24/17 09:22	01/24/17 12:27	91-57-6	
Naphthalene	<10.3	ug/kg	34.5	10.3	1	01/24/17 09:22	01/24/17 12:27	91-20-3	
Phenanthrene	<14.3	ug/kg	47.6	14.3	1	01/24/17 09:22	01/24/17 12:27	85-01-8	
Pyrene	<5.5	ug/kg	18.4	5.5	1	01/24/17 09:22	01/24/17 12:27	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	47	%	26-130		1	01/24/17 09:22	01/24/17 12:27	321-60-8	
Terphenyl-d14 (S)	58	%	10-130		1	01/24/17 09:22	01/24/17 12:27	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	01/13/17 13:04	01/17/17 19:09	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	01/13/17 13:04	01/17/17 19:09	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	541-73-1	W

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-5 (3-4) Lab ID: 40144399009 Collected: 01/10/17 12:50 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	01/13/17 13:04	01/17/17 19:09	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	56-23-5	L2,W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	01/13/17 13:04	01/17/17 19:09	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	01/13/17 13:04	01/17/17 19:09	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	01/13/17 13:04	01/17/17 19:09	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	01/13/17 13:04	01/17/17 19:09	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:09	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	92	%	53-165		1	01/13/17 13:04	01/17/17 19:09	1868-53-7	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-5 (3-4) **Lab ID: 40144399009** Collected: 01/10/17 12:50 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
Toluene-d8 (S)	99	%	54-163		1	01/13/17 13:04	01/17/17 19:09	2037-26-5	
4-Bromofluorobenzene (S)	91	%	48-138		1	01/13/17 13:04	01/17/17 19:09	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	18.5	%	0.10	0.10	1		01/16/17 13:42		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-5 (7-8) Lab ID: 40144399010 Collected: 01/10/17 13:00 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Cadmium	<0.15	mg/kg	0.56	0.15	1	01/13/17 09:02	01/13/17 17:28	7440-43-9	
Lead	21.9	mg/kg	1.5	0.48	1	01/13/17 09:02	01/13/17 17:28	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	18.1J	ug/kg	57.6	17.3	4	01/24/17 09:22	01/24/17 18:10	83-32-9	
Acenaphthylene	<14.7	ug/kg	49.1	14.7	4	01/24/17 09:22	01/24/17 18:10	208-96-8	
Anthracene	<25.5	ug/kg	84.8	25.5	4	01/24/17 09:22	01/24/17 18:10	120-12-7	
Benzo(a)anthracene	34.6J	ug/kg	47.3	14.2	4	01/24/17 09:22	01/24/17 18:10	56-55-3	
Benzo(a)pyrene	<11.2	ug/kg	37.4	11.2	4	01/24/17 09:22	01/24/17 18:10	50-32-8	
Benzo(b)fluoranthene	13.1J	ug/kg	42.0	12.6	4	01/24/17 09:22	01/24/17 18:10	205-99-2	
Benzo(g,h,i)perylene	11.5J	ug/kg	30.2	9.1	4	01/24/17 09:22	01/24/17 18:10	191-24-2	
Benzo(k)fluoranthene	<11.2	ug/kg	37.3	11.2	4	01/24/17 09:22	01/24/17 18:10	207-08-9	
Chrysene	22.4J	ug/kg	50.0	15.1	4	01/24/17 09:22	01/24/17 18:10	218-01-9	
Dibenz(a,h)anthracene	<10	ug/kg	33.3	10	4	01/24/17 09:22	01/24/17 18:10	53-70-3	
Fluoranthene	<23.3	ug/kg	77.7	23.3	4	01/24/17 09:22	01/24/17 18:10	206-44-0	
Fluorene	22.4J	ug/kg	61.6	18.5	4	01/24/17 09:22	01/24/17 18:10	86-73-7	
Indeno(1,2,3-cd)pyrene	<9.8	ug/kg	32.7	9.8	4	01/24/17 09:22	01/24/17 18:10	193-39-5	
1-Methylnaphthalene	675	ug/kg	59.8	18.0	4	01/24/17 09:22	01/24/17 18:10	90-12-0	
2-Methylnaphthalene	1310	ug/kg	74.6	22.3	4	01/24/17 09:22	01/24/17 18:10	91-57-6	
Naphthalene	1100	ug/kg	125	37.6	4	01/24/17 09:22	01/24/17 18:10	91-20-3	
Phenanthrene	58.0J	ug/kg	173	52.0	4	01/24/17 09:22	01/24/17 18:10	85-01-8	
Pyrene	41.1J	ug/kg	67.0	20.1	4	01/24/17 09:22	01/24/17 18:10	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	26-130		4	01/24/17 09:22	01/24/17 18:10	321-60-8	
Terphenyl-d14 (S)	51	%	10-130		4	01/24/17 09:22	01/24/17 18:10	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	630-20-6	W
1,1,1-Trichloroethane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	71-55-6	W
1,1,2,2-Tetrachloroethane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	79-34-5	W
1,1,2-Trichloroethane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	79-00-5	W
1,1-Dichloroethane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	75-34-3	W
1,1-Dichloroethene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	75-35-4	W
1,1-Dichloropropene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	563-58-6	W
1,2,3-Trichlorobenzene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	87-61-6	W
1,2,3-Trichloropropane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	96-18-4	W
1,2,4-Trichlorobenzene	<190	ug/kg	1000	190	4	01/13/17 13:04	01/18/17 11:39	120-82-1	W
1,2,4-Trimethylbenzene	21500	ug/kg	268	112	4	01/13/17 13:04	01/18/17 11:39	95-63-6	
1,2-Dibromo-3-chloropropane	<365	ug/kg	1000	365	4	01/13/17 13:04	01/18/17 11:39	96-12-8	W
1,2-Dibromoethane (EDB)	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	106-93-4	W
1,2-Dichlorobenzene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	95-50-1	W
1,2-Dichloroethane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	107-06-2	W
1,2-Dichloropropane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	78-87-5	W
1,3,5-Trimethylbenzene	6060	ug/kg	268	112	4	01/13/17 13:04	01/18/17 11:39	108-67-8	
1,3-Dichlorobenzene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-5 (7-8) Lab ID: 40144399010 Collected: 01/10/17 13:00 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,3-Dichloropropane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	142-28-9	W
1,4-Dichlorobenzene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	106-46-7	W
2,2-Dichloropropane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	594-20-7	W
2-Chlorotoluene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	95-49-8	W
4-Chlorotoluene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	106-43-4	W
Benzene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	71-43-2	W
Bromobenzene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	108-86-1	W
Bromochloromethane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	74-97-5	W
Bromodichloromethane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	75-27-4	W
Bromoform	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	75-25-2	W
Bromomethane	<280	ug/kg	1000	280	4	01/13/17 13:04	01/18/17 11:39	74-83-9	W
Carbon tetrachloride	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	56-23-5	L2,W
Chlorobenzene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	108-90-7	W
Chloroethane	<268	ug/kg	1000	268	4	01/13/17 13:04	01/18/17 11:39	75-00-3	W
Chloroform	<186	ug/kg	1000	186	4	01/13/17 13:04	01/18/17 11:39	67-66-3	W
Chloromethane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	74-87-3	W
Dibromochloromethane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	124-48-1	W
Dibromomethane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	74-95-3	W
Dichlorodifluoromethane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	75-71-8	W
Diisopropyl ether	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	108-20-3	W
Ethylbenzene	290	ug/kg	268	112	4	01/13/17 13:04	01/18/17 11:39	100-41-4	
Hexachloro-1,3-butadiene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	87-68-3	W
Isopropylbenzene (Cumene)	514	ug/kg	268	112	4	01/13/17 13:04	01/18/17 11:39	98-82-8	
Methyl-tert-butyl ether	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	1634-04-4	W
Methylene Chloride	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	75-09-2	W
Naphthalene	8520	ug/kg	1120	179	4	01/13/17 13:04	01/18/17 11:39	91-20-3	
Styrene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	100-42-5	W
Tetrachloroethene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	127-18-4	W
Toluene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	108-88-3	W
Trichloroethene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	79-01-6	W
Trichlorofluoromethane	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	75-69-4	W
Vinyl chloride	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	75-01-4	W
cis-1,2-Dichloroethene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	156-59-2	W
cis-1,3-Dichloropropene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	10061-01-5	W
m&p-Xylene	12000	ug/kg	536	223	4	01/13/17 13:04	01/18/17 11:39	179601-23-1	
n-Butylbenzene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	104-51-8	W
n-Propylbenzene	2270	ug/kg	268	112	4	01/13/17 13:04	01/18/17 11:39	103-65-1	
o-Xylene	5820	ug/kg	268	112	4	01/13/17 13:04	01/18/17 11:39	95-47-6	
p-Isopropyltoluene	230J	ug/kg	268	112	4	01/13/17 13:04	01/18/17 11:39	99-87-6	
sec-Butylbenzene	402	ug/kg	268	112	4	01/13/17 13:04	01/18/17 11:39	135-98-8	
tert-Butylbenzene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	98-06-6	W
trans-1,2-Dichloroethene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	156-60-5	W
trans-1,3-Dichloropropene	<100	ug/kg	240	100	4	01/13/17 13:04	01/18/17 11:39	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	79	%	53-165		4	01/13/17 13:04	01/18/17 11:39	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-5 (7-8) **Lab ID: 40144399010** Collected: 01/10/17 13:00 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
Toluene-d8 (S)	86	%	54-163		4	01/13/17 13:04	01/18/17 11:39	2037-26-5	
4-Bromofluorobenzene (S)	89	%	48-138		4	01/13/17 13:04	01/18/17 11:39	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	10.4	%	0.10	0.10	1		01/16/17 13:42		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-5W Lab ID: 40144399011 Collected: 01/10/17 13:15 Received: 01/12/17 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<50.0	ug/L	100	50.0	100		01/13/17 17:27	71-43-2	
Bromobenzene	<23.0	ug/L	100	23.0	100		01/13/17 17:27	108-86-1	
Bromochloromethane	<34.0	ug/L	100	34.0	100		01/13/17 17:27	74-97-5	
Bromodichloromethane	<50.0	ug/L	100	50.0	100		01/13/17 17:27	75-27-4	
Bromoform	<50.0	ug/L	100	50.0	100		01/13/17 17:27	75-25-2	
Bromomethane	<243	ug/L	500	243	100		01/13/17 17:27	74-83-9	
n-Butylbenzene	387	ug/L	100	50.0	100		01/13/17 17:27	104-51-8	
sec-Butylbenzene	<219	ug/L	500	219	100		01/13/17 17:27	135-98-8	
tert-Butylbenzene	<18.0	ug/L	100	18.0	100		01/13/17 17:27	98-06-6	
Carbon tetrachloride	<50.0	ug/L	100	50.0	100		01/13/17 17:27	56-23-5	
Chlorobenzene	<50.0	ug/L	100	50.0	100		01/13/17 17:27	108-90-7	
Chloroethane	<37.5	ug/L	100	37.5	100		01/13/17 17:27	75-00-3	
Chloroform	<250	ug/L	500	250	100		01/13/17 17:27	67-66-3	
Chloromethane	<50.0	ug/L	100	50.0	100		01/13/17 17:27	74-87-3	
2-Chlorotoluene	<50.0	ug/L	100	50.0	100		01/13/17 17:27	95-49-8	
4-Chlorotoluene	<21.4	ug/L	100	21.4	100		01/13/17 17:27	106-43-4	
1,2-Dibromo-3-chloropropane	<216	ug/L	500	216	100		01/13/17 17:27	96-12-8	
Dibromochloromethane	<50.0	ug/L	100	50.0	100		01/13/17 17:27	124-48-1	
1,2-Dibromoethane (EDB)	<17.8	ug/L	100	17.8	100		01/13/17 17:27	106-93-4	
Dibromomethane	<42.7	ug/L	100	42.7	100		01/13/17 17:27	74-95-3	
1,2-Dichlorobenzene	<50.0	ug/L	100	50.0	100		01/13/17 17:27	95-50-1	
1,3-Dichlorobenzene	<50.0	ug/L	100	50.0	100		01/13/17 17:27	541-73-1	
1,4-Dichlorobenzene	<50.0	ug/L	100	50.0	100		01/13/17 17:27	106-46-7	
Dichlorodifluoromethane	<22.4	ug/L	100	22.4	100		01/13/17 17:27	75-71-8	
1,1-Dichloroethane	<24.2	ug/L	100	24.2	100		01/13/17 17:27	75-34-3	
1,2-Dichloroethane	<16.8	ug/L	100	16.8	100		01/13/17 17:27	107-06-2	
1,1-Dichloroethene	<41.0	ug/L	100	41.0	100		01/13/17 17:27	75-35-4	
cis-1,2-Dichloroethene	<25.6	ug/L	100	25.6	100		01/13/17 17:27	156-59-2	
trans-1,2-Dichloroethene	<25.7	ug/L	100	25.7	100		01/13/17 17:27	156-60-5	
1,2-Dichloropropane	<23.3	ug/L	100	23.3	100		01/13/17 17:27	78-87-5	
1,3-Dichloropropane	<50.0	ug/L	100	50.0	100		01/13/17 17:27	142-28-9	
2,2-Dichloropropane	<48.4	ug/L	100	48.4	100		01/13/17 17:27	594-20-7	
1,1-Dichloropropene	<44.1	ug/L	100	44.1	100		01/13/17 17:27	563-58-6	
cis-1,3-Dichloropropene	<50.0	ug/L	100	50.0	100		01/13/17 17:27	10061-01-5	
trans-1,3-Dichloropropene	<23.0	ug/L	100	23.0	100		01/13/17 17:27	10061-02-6	
Diisopropyl ether	<50.0	ug/L	100	50.0	100		01/13/17 17:27	108-20-3	
Ethylbenzene	1130	ug/L	100	50.0	100		01/13/17 17:27	100-41-4	
Hexachloro-1,3-butadiene	<211	ug/L	500	211	100		01/13/17 17:27	87-68-3	
Isopropylbenzene (Cumene)	326	ug/L	100	14.3	100		01/13/17 17:27	98-82-8	
p-Isopropyltoluene	63.4J	ug/L	100	50.0	100		01/13/17 17:27	99-87-6	
Methylene Chloride	<23.3	ug/L	100	23.3	100		01/13/17 17:27	75-09-2	
Methyl-tert-butyl ether	<17.4	ug/L	100	17.4	100		01/13/17 17:27	1634-04-4	
Naphthalene	<250	ug/L	500	250	100		01/13/17 17:27	91-20-3	
n-Propylbenzene	1350	ug/L	100	50.0	100		01/13/17 17:27	103-65-1	
Styrene	<50.0	ug/L	100	50.0	100		01/13/17 17:27	100-42-5	
1,1,1,2-Tetrachloroethane	<18.1	ug/L	100	18.1	100		01/13/17 17:27	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-5W **Lab ID: 40144399011** Collected: 01/10/17 13:15 Received: 01/12/17 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<24.9	ug/L	100	24.9	100		01/13/17 17:27	79-34-5	
Tetrachloroethene	<50.0	ug/L	100	50.0	100		01/13/17 17:27	127-18-4	
Toluene	<50.0	ug/L	100	50.0	100		01/13/17 17:27	108-88-3	
1,2,3-Trichlorobenzene	<213	ug/L	500	213	100		01/13/17 17:27	87-61-6	
1,2,4-Trichlorobenzene	<221	ug/L	500	221	100		01/13/17 17:27	120-82-1	
1,1,1-Trichloroethane	<50.0	ug/L	100	50.0	100		01/13/17 17:27	71-55-6	
1,1,2-Trichloroethane	<19.7	ug/L	100	19.7	100		01/13/17 17:27	79-00-5	
Trichloroethene	<33.1	ug/L	100	33.1	100		01/13/17 17:27	79-01-6	
Trichlorofluoromethane	<18.5	ug/L	100	18.5	100		01/13/17 17:27	75-69-4	
1,2,3-Trichloropropane	<50.0	ug/L	100	50.0	100		01/13/17 17:27	96-18-4	
1,2,4-Trimethylbenzene	6860	ug/L	100	50.0	100		01/13/17 17:27	95-63-6	
1,3,5-Trimethylbenzene	65.4J	ug/L	100	50.0	100		01/13/17 17:27	108-67-8	
Vinyl chloride	<17.6	ug/L	100	17.6	100		01/13/17 17:27	75-01-4	
m&p-Xylene	1250	ug/L	200	100	100		01/13/17 17:27	179601-23-1	
o-Xylene	<50.0	ug/L	100	50.0	100		01/13/17 17:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		100		01/13/17 17:27	460-00-4	pH
Dibromofluoromethane (S)	90	%	70-130		100		01/13/17 17:27	1868-53-7	
Toluene-d8 (S)	97	%	70-130		100		01/13/17 17:27	2037-26-5	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-6 (3-4) **Lab ID: 40144399012** Collected: 01/10/17 13:50 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Cadmium	<0.17	mg/kg	0.65	0.17	1	01/13/17 09:02	01/13/17 17:30	7440-43-9	
Lead	19.4	mg/kg	1.7	0.56	1	01/13/17 09:02	01/13/17 17:30	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<5.2	ug/kg	17.1	5.2	1	01/24/17 09:22	01/24/17 12:44	83-32-9	
Acenaphthylene	5.3J	ug/kg	14.6	4.4	1	01/24/17 09:22	01/24/17 12:44	208-96-8	
Anthracene	57.8	ug/kg	25.2	7.6	1	01/24/17 09:22	01/24/17 12:44	120-12-7	
Benzo(a)anthracene	23.1	ug/kg	14.1	4.2	1	01/24/17 09:22	01/24/17 12:44	56-55-3	
Benzo(a)pyrene	4.7J	ug/kg	11.1	3.3	1	01/24/17 09:22	01/24/17 12:44	50-32-8	
Benzo(b)fluoranthene	11.4J	ug/kg	12.5	3.7	1	01/24/17 09:22	01/24/17 12:44	205-99-2	
Benzo(g,h,i)perylene	4.8J	ug/kg	9.0	2.7	1	01/24/17 09:22	01/24/17 12:44	191-24-2	
Benzo(k)fluoranthene	<3.3	ug/kg	11.1	3.3	1	01/24/17 09:22	01/24/17 12:44	207-08-9	
Chrysene	25.5	ug/kg	14.9	4.5	1	01/24/17 09:22	01/24/17 12:44	218-01-9	
Dibenz(a,h)anthracene	3.0J	ug/kg	9.9	3.0	1	01/24/17 09:22	01/24/17 12:44	53-70-3	
Fluoranthene	26.1	ug/kg	23.1	6.9	1	01/24/17 09:22	01/24/17 12:44	206-44-0	
Fluorene	<5.5	ug/kg	18.3	5.5	1	01/24/17 09:22	01/24/17 12:44	86-73-7	
Indeno(1,2,3-cd)pyrene	3.1J	ug/kg	9.7	2.9	1	01/24/17 09:22	01/24/17 12:44	193-39-5	
1-Methylnaphthalene	221	ug/kg	17.8	5.3	1	01/24/17 09:22	01/24/17 12:44	90-12-0	
2-Methylnaphthalene	278	ug/kg	22.2	6.6	1	01/24/17 09:22	01/24/17 12:44	91-57-6	
Naphthalene	54.2	ug/kg	37.3	11.2	1	01/24/17 09:22	01/24/17 12:44	91-20-3	
Phenanthrene	69.7	ug/kg	51.5	15.5	1	01/24/17 09:22	01/24/17 12:44	85-01-8	
Pyrene	50.8	ug/kg	19.9	6.0	1	01/24/17 09:22	01/24/17 12:44	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	62	%	26-130		1	01/24/17 09:22	01/24/17 12:44	321-60-8	
Terphenyl-d14 (S)	65	%	10-130		1	01/24/17 09:22	01/24/17 12:44	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	01/13/17 13:04	01/17/17 19:32	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	01/13/17 13:04	01/17/17 19:32	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-6 (3-4) Lab ID: 40144399012 Collected: 01/10/17 13:50 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	01/13/17 13:04	01/17/17 19:32	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	56-23-5	L2,W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	01/13/17 13:04	01/17/17 19:32	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	01/13/17 13:04	01/17/17 19:32	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	01/13/17 13:04	01/17/17 19:32	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	100-42-5	W
Tetrachloroethene	50.5J	ug/kg	79.7	33.2	1	01/13/17 13:04	01/17/17 19:32	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	01/13/17 13:04	01/17/17 19:32	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:32	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	81	%	53-165		1	01/13/17 13:04	01/17/17 19:32	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-6 (3-4) **Lab ID: 40144399012** Collected: 01/10/17 13:50 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
Toluene-d8 (S)	85	%	54-163		1	01/13/17 13:04	01/17/17 19:32	2037-26-5	
4-Bromofluorobenzene (S)	78	%	48-138		1	01/13/17 13:04	01/17/17 19:32	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	24.7	%	0.10	0.10	1		01/16/17 13:42		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-6 (11-12) **Lab ID: 40144399013** Collected: 01/10/17 14:15 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Cadmium	0.64	mg/kg	0.51	0.14	1	01/13/17 09:02	01/13/17 17:33	7440-43-9	
Lead	7.4	mg/kg	1.3	0.44	1	01/13/17 09:02	01/13/17 17:33	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.1	ug/kg	13.6	4.1	1	01/24/17 09:22	01/24/17 13:02	83-32-9	
Acenaphthylene	<3.5	ug/kg	11.6	3.5	1	01/24/17 09:22	01/24/17 13:02	208-96-8	
Anthracene	<6.0	ug/kg	20.1	6.0	1	01/24/17 09:22	01/24/17 13:02	120-12-7	
Benzo(a)anthracene	<3.3	ug/kg	11.2	3.3	1	01/24/17 09:22	01/24/17 13:02	56-55-3	
Benzo(a)pyrene	<2.7	ug/kg	8.8	2.7	1	01/24/17 09:22	01/24/17 13:02	50-32-8	
Benzo(b)fluoranthene	<3.0	ug/kg	9.9	3.0	1	01/24/17 09:22	01/24/17 13:02	205-99-2	
Benzo(g,h,i)perylene	4.1J	ug/kg	7.2	2.1	1	01/24/17 09:22	01/24/17 13:02	191-24-2	
Benzo(k)fluoranthene	<2.7	ug/kg	8.8	2.7	1	01/24/17 09:22	01/24/17 13:02	207-08-9	
Chrysene	5.8J	ug/kg	11.8	3.6	1	01/24/17 09:22	01/24/17 13:02	218-01-9	
Dibenz(a,h)anthracene	<2.4	ug/kg	7.9	2.4	1	01/24/17 09:22	01/24/17 13:02	53-70-3	
Fluoranthene	<5.5	ug/kg	18.4	5.5	1	01/24/17 09:22	01/24/17 13:02	206-44-0	
Fluorene	<4.4	ug/kg	14.6	4.4	1	01/24/17 09:22	01/24/17 13:02	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.3	ug/kg	7.7	2.3	1	01/24/17 09:22	01/24/17 13:02	193-39-5	
1-Methylnaphthalene	<4.2	ug/kg	14.2	4.2	1	01/24/17 09:22	01/24/17 13:02	90-12-0	
2-Methylnaphthalene	<5.3	ug/kg	17.6	5.3	1	01/24/17 09:22	01/24/17 13:02	91-57-6	
Naphthalene	<8.9	ug/kg	29.7	8.9	1	01/24/17 09:22	01/24/17 13:02	91-20-3	
Phenanthrene	<12.3	ug/kg	41.0	12.3	1	01/24/17 09:22	01/24/17 13:02	85-01-8	
Pyrene	<4.8	ug/kg	15.8	4.8	1	01/24/17 09:22	01/24/17 13:02	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	62	%	26-130		1	01/24/17 09:22	01/24/17 13:02	321-60-8	
Terphenyl-d14 (S)	68	%	10-130		1	01/24/17 09:22	01/24/17 13:02	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	01/13/17 13:04	01/17/17 19:55	120-82-1	W
1,2,4-Trimethylbenzene	49.0J	ug/kg	63.4	26.4	1	01/13/17 13:04	01/17/17 19:55	95-63-6	
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	01/13/17 13:04	01/17/17 19:55	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	78-87-5	W
1,3,5-Trimethylbenzene	47.7J	ug/kg	63.4	26.4	1	01/13/17 13:04	01/17/17 19:55	108-67-8	
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-6 (11-12) Lab ID: 40144399013 Collected: 01/10/17 14:15 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	01/13/17 13:04	01/17/17 19:55	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	56-23-5	L2,W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	01/13/17 13:04	01/17/17 19:55	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	01/13/17 13:04	01/17/17 19:55	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	01/13/17 13:04	01/17/17 19:55	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	100-42-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	01/13/17 13:04	01/17/17 19:55	179601-23-1	W
n-Butylbenzene	56.6J	ug/kg	63.4	26.4	1	01/13/17 13:04	01/17/17 19:55	104-51-8	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/13/17 13:04	01/17/17 19:55	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	53-165		1	01/13/17 13:04	01/17/17 19:55	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-6 (11-12) **Lab ID: 40144399013** Collected: 01/10/17 14:15 Received: 01/12/17 10:40 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
Toluene-d8 (S)	112	%	54-163		1	01/13/17 13:04	01/17/17 19:55	2037-26-5	
4-Bromofluorobenzene (S)	106	%	48-138		1	01/13/17 13:04	01/17/17 19:55	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	5.3	%	0.10	0.10	1		01/16/17 13:43		

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-6W Lab ID: 40144399014 Collected: 01/10/17 14:25 Received: 01/12/17 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		01/13/17 16:20	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		01/13/17 16:20	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		01/13/17 16:20	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		01/13/17 16:20	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		01/13/17 16:20	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		01/13/17 16:20	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		01/13/17 16:20	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		01/13/17 16:20	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		01/13/17 16:20	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		01/13/17 16:20	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		01/13/17 16:20	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		01/13/17 16:20	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		01/13/17 16:20	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		01/13/17 16:20	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		01/13/17 16:20	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		01/13/17 16:20	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		01/13/17 16:20	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		01/13/17 16:20	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		01/13/17 16:20	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		01/13/17 16:20	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		01/13/17 16:20	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		01/13/17 16:20	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		01/13/17 16:20	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		01/13/17 16:20	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		01/13/17 16:20	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		01/13/17 16:20	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		01/13/17 16:20	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Sample: DP-6W **Lab ID: 40144399014** Collected: 01/10/17 14:25 Received: 01/12/17 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		01/13/17 16:20	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		01/13/17 16:20	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		01/13/17 16:20	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		01/13/17 16:20	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		01/13/17 16:20	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		01/13/17 16:20	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		01/13/17 16:20	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		01/13/17 16:20	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		01/13/17 16:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		01/13/17 16:20	460-00-4	pH
Dibromofluoromethane (S)	99	%	70-130		1		01/13/17 16:20	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		01/13/17 16:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

QC Batch: 246259 Analysis Method: EPA 6010
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET
 Associated Lab Samples: 40144399001, 40144399002, 40144399004, 40144399005, 40144399009, 40144399010, 40144399012, 40144399013

METHOD BLANK: 1456325 Matrix: Solid
 Associated Lab Samples: 40144399001, 40144399002, 40144399004, 40144399005, 40144399009, 40144399010, 40144399012, 40144399013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	mg/kg	<0.13	0.50	01/13/17 16:58	
Lead	mg/kg	<0.43	1.3	01/13/17 16:58	

LABORATORY CONTROL SAMPLE: 1456326

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	mg/kg	50	48.4	97	80-120	
Lead	mg/kg	50	48.2	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1456327 1456328

Parameter	Units	40144375001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result						
Cadmium	mg/kg	<0.17	62.8	62.5	56.4	57.7	90	92	75-125	2	20	
Lead	mg/kg	9.2	62.8	62.5	61.6	63.4	83	87	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

QC Batch: 246387 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
 Associated Lab Samples: 40144399001, 40144399002, 40144399004, 40144399005, 40144399007, 40144399008, 40144399009,
 40144399010, 40144399012, 40144399013

METHOD BLANK: 1457306 Matrix: Solid
 Associated Lab Samples: 40144399001, 40144399002, 40144399004, 40144399005, 40144399007, 40144399008, 40144399009,
 40144399010, 40144399012, 40144399013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	01/17/17 15:17	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	01/17/17 15:17	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	01/17/17 15:17	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	01/17/17 15:17	
1,1-Dichloroethane	ug/kg	<17.6	50.0	01/17/17 15:17	
1,1-Dichloroethene	ug/kg	<17.6	50.0	01/17/17 15:17	
1,1-Dichloropropene	ug/kg	<14.0	50.0	01/17/17 15:17	
1,2,3-Trichlorobenzene	ug/kg	18.8J	50.0	01/17/17 15:17	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	01/17/17 15:17	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	01/17/17 15:17	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	01/17/17 15:17	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	01/17/17 15:17	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	01/17/17 15:17	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	01/17/17 15:17	
1,2-Dichloroethane	ug/kg	<15.0	50.0	01/17/17 15:17	
1,2-Dichloropropane	ug/kg	<16.8	50.0	01/17/17 15:17	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	01/17/17 15:17	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	01/17/17 15:17	
1,3-Dichloropropane	ug/kg	<12.0	50.0	01/17/17 15:17	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	01/17/17 15:17	
2,2-Dichloropropane	ug/kg	<12.6	50.0	01/17/17 15:17	
2-Chlorotoluene	ug/kg	<15.8	50.0	01/17/17 15:17	
4-Chlorotoluene	ug/kg	<13.0	50.0	01/17/17 15:17	
Benzene	ug/kg	<9.2	20.0	01/17/17 15:17	
Bromobenzene	ug/kg	<20.6	50.0	01/17/17 15:17	
Bromochloromethane	ug/kg	<21.4	50.0	01/17/17 15:17	
Bromodichloromethane	ug/kg	<9.8	50.0	01/17/17 15:17	
Bromoform	ug/kg	<19.8	50.0	01/17/17 15:17	
Bromomethane	ug/kg	<69.9	250	01/17/17 15:17	
Carbon tetrachloride	ug/kg	<12.1	50.0	01/17/17 15:17	
Chlorobenzene	ug/kg	<14.8	50.0	01/17/17 15:17	
Chloroethane	ug/kg	<67.0	250	01/17/17 15:17	
Chloroform	ug/kg	<46.4	250	01/17/17 15:17	
Chloromethane	ug/kg	<20.4	50.0	01/17/17 15:17	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	01/17/17 15:17	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	01/17/17 15:17	
Dibromochloromethane	ug/kg	<17.9	50.0	01/17/17 15:17	
Dibromomethane	ug/kg	<19.3	50.0	01/17/17 15:17	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	01/17/17 15:17	
Diisopropyl ether	ug/kg	<17.7	50.0	01/17/17 15:17	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

METHOD BLANK: 1457306

Matrix: Solid

Associated Lab Samples: 40144399001, 40144399002, 40144399004, 40144399005, 40144399007, 40144399008, 40144399009, 40144399010, 40144399012, 40144399013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<12.4	50.0	01/17/17 15:17	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	01/17/17 15:17	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	01/17/17 15:17	
m&p-Xylene	ug/kg	<34.4	100	01/17/17 15:17	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	01/17/17 15:17	
Methylene Chloride	ug/kg	<16.2	50.0	01/17/17 15:17	
n-Butylbenzene	ug/kg	16.4J	50.0	01/17/17 15:17	
n-Propylbenzene	ug/kg	<11.6	50.0	01/17/17 15:17	
Naphthalene	ug/kg	<40.0	250	01/17/17 15:17	
o-Xylene	ug/kg	<14.0	50.0	01/17/17 15:17	
p-Isopropyltoluene	ug/kg	<12.0	50.0	01/17/17 15:17	
sec-Butylbenzene	ug/kg	<11.9	50.0	01/17/17 15:17	
Styrene	ug/kg	<9.0	50.0	01/17/17 15:17	
tert-Butylbenzene	ug/kg	<9.5	50.0	01/17/17 15:17	
Tetrachloroethene	ug/kg	<12.9	50.0	01/17/17 15:17	
Toluene	ug/kg	<11.2	50.0	01/17/17 15:17	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	01/17/17 15:17	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	01/17/17 15:17	
Trichloroethene	ug/kg	<23.6	50.0	01/17/17 15:17	
Trichlorofluoromethane	ug/kg	<24.7	50.0	01/17/17 15:17	
Vinyl chloride	ug/kg	<21.1	50.0	01/17/17 15:17	
4-Bromofluorobenzene (S)	%	93	48-138	01/17/17 15:17	
Dibromofluoromethane (S)	%	95	53-165	01/17/17 15:17	
Toluene-d8 (S)	%	103	54-163	01/17/17 15:17	

LABORATORY CONTROL SAMPLE: 1457307

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	1820	73	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2430	97	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2480	99	70-130	
1,1-Dichloroethane	ug/kg	2500	1950	78	70-133	
1,1-Dichloroethene	ug/kg	2500	1810	72	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2470	99	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1710	68	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2500	100	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2530	101	70-130	
1,2-Dichloroethane	ug/kg	2500	1920	77	70-138	
1,2-Dichloropropane	ug/kg	2500	2510	100	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2480	99	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2450	98	70-130	
Benzene	ug/kg	2500	2460	98	70-130	
Bromodichloromethane	ug/kg	2500	2060	83	70-130	

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

LABORATORY CONTROL SAMPLE: 1457307

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2460	98	68-130	
Bromomethane	ug/kg	2500	1750	70	25-163	
Carbon tetrachloride	ug/kg	2500	1730	69	70-130	L0
Chlorobenzene	ug/kg	2500	2610	104	70-130	
Chloroethane	ug/kg	2500	1810	73	34-151	
Chloroform	ug/kg	2500	2120	85	70-130	
Chloromethane	ug/kg	2500	1440	58	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2370	95	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2300	92	70-130	
Dibromochloromethane	ug/kg	2500	2210	88	70-130	
Dichlorodifluoromethane	ug/kg	2500	818	33	27-150	
Ethylbenzene	ug/kg	2500	2400	96	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2490	100	70-130	
m&p-Xylene	ug/kg	5000	5170	103	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2020	81	70-130	
Methylene Chloride	ug/kg	2500	1990	79	70-131	
o-Xylene	ug/kg	2500	2610	105	70-130	
Styrene	ug/kg	2500	2670	107	70-130	
Tetrachloroethene	ug/kg	2500	2440	98	70-130	
Toluene	ug/kg	2500	2560	102	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2100	84	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2060	82	70-130	
Trichloroethene	ug/kg	2500	2320	93	70-130	
Trichlorofluoromethane	ug/kg	2500	1570	63	50-150	
Vinyl chloride	ug/kg	2500	1650	66	57-130	
4-Bromofluorobenzene (S)	%			92	48-138	
Dibromofluoromethane (S)	%			97	53-165	
Toluene-d8 (S)	%			99	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1457308 1457309

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40144408008 Result	Spike Conc.	Spike Conc.	MSD Result							
1,1,1-Trichloroethane	ug/kg	<25.0	1480	1480	1020	1020	69	69	70-130	0	20	M1
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1480	1480	1480	1460	100	99	70-130	2	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1480	1480	1520	1480	103	100	70-130	3	20	
1,1-Dichloroethane	ug/kg	<25.0	1480	1480	1150	1090	78	74	64-133	5	20	
1,1-Dichloroethene	ug/kg	<25.0	1480	1480	1070	1060	72	72	56-130	1	24	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1480	1480	1580	1570	107	106	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1480	1480	966	1020	66	69	50-150	5	20	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1480	1480	1540	1490	105	101	70-130	4	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1480	1480	1620	1600	110	108	70-130	1	20	
1,2-Dichloroethane	ug/kg	<25.0	1480	1480	1180	1160	80	79	70-138	2	20	
1,2-Dichloropropane	ug/kg	<25.0	1480	1480	1500	1480	102	100	70-130	1	20	

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Parameter	Units	40144408008		1457308		1457309		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,3-Dichlorobenzene	ug/kg	<25.0	1480	1480	1570	1540	106	104	70-130	2	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1480	1480	1560	1540	106	105	70-130	1	20		
Benzene	ug/kg	<25.0	1480	1480	1460	1420	99	97	70-130	3	20		
Bromodichloromethane	ug/kg	<25.0	1480	1480	1200	1190	81	81	70-130	1	20		
Bromoform	ug/kg	<25.0	1480	1480	1390	1330	94	90	65-130	4	20		
Bromomethane	ug/kg	<69.9	1480	1480	1200	1240	82	84	11-163	3	21		
Carbon tetrachloride	ug/kg	<25.0	1480	1480	950	950	64	64	70-130	0	20	MO	
Chlorobenzene	ug/kg	<25.0	1480	1480	1610	1570	109	107	70-130	2	20		
Chloroethane	ug/kg	<67.0	1480	1480	1260	1200	85	81	17-151	5	20		
Chloroform	ug/kg	<46.4	1480	1480	1270	1220	86	83	70-130	4	20		
Chloromethane	ug/kg	<25.0	1480	1480	1100	1100	75	74	13-130	0	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1480	1480	1470	1380	99	94	70-130	6	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1480	1480	1330	1280	90	87	70-130	3	20		
Dibromochloromethane	ug/kg	<25.0	1480	1480	1350	1270	91	86	70-130	6	20		
Dichlorodifluoromethane	ug/kg	<25.0	1480	1480	632	654	43	44	10-150	3	21		
Ethylbenzene	ug/kg	<25.0	1480	1480	1450	1400	99	95	70-130	4	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1480	1480	1510	1460	102	99	70-130	3	20		
m&p-Xylene	ug/kg	<50.0	2950	2950	3140	2990	106	101	70-130	5	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1480	1480	1170	1140	79	78	70-130	2	20		
Methylene Chloride	ug/kg	<25.0	1480	1480	1210	1230	81	82	70-131	2	20		
o-Xylene	ug/kg	<25.0	1480	1480	1600	1530	108	104	70-130	4	20		
Styrene	ug/kg	<25.0	1480	1480	1670	1600	113	109	70-130	4	20		
Tetrachloroethene	ug/kg	<25.0	1480	1480	1400	1380	95	94	70-130	1	20		
Toluene	ug/kg	<25.0	1480	1480	1530	1520	104	103	70-130	1	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1480	1480	1260	1200	86	81	70-130	5	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1480	1480	1240	1210	84	82	70-130	2	20		
Trichloroethene	ug/kg	<25.0	1480	1480	1320	1290	89	87	70-130	2	20		
Trichlorofluoromethane	ug/kg	<25.0	1480	1480	925	916	63	62	40-150	1	31		
Vinyl chloride	ug/kg	<25.0	1480	1480	1100	1110	75	75	26-130	0	20		
4-Bromofluorobenzene (S)	%						88	87	48-138				
Dibromofluoromethane (S)	%						91	90	53-165				
Toluene-d8 (S)	%						93	94	54-163				

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

QC Batch: 246249 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40144399003, 40144399006, 40144399011, 40144399014

METHOD BLANK: 1456286 Matrix: Water
Associated Lab Samples: 40144399003, 40144399006, 40144399011, 40144399014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	01/13/17 09:36	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	01/13/17 09:36	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	01/13/17 09:36	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	01/13/17 09:36	
1,1-Dichloroethane	ug/L	<0.24	1.0	01/13/17 09:36	
1,1-Dichloroethene	ug/L	<0.41	1.0	01/13/17 09:36	
1,1-Dichloropropene	ug/L	<0.44	1.0	01/13/17 09:36	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	01/13/17 09:36	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	01/13/17 09:36	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	01/13/17 09:36	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	01/13/17 09:36	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	01/13/17 09:36	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	01/13/17 09:36	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	01/13/17 09:36	
1,2-Dichloroethane	ug/L	<0.17	1.0	01/13/17 09:36	
1,2-Dichloropropane	ug/L	<0.23	1.0	01/13/17 09:36	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	01/13/17 09:36	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	01/13/17 09:36	
1,3-Dichloropropane	ug/L	<0.50	1.0	01/13/17 09:36	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	01/13/17 09:36	
2,2-Dichloropropane	ug/L	<0.48	1.0	01/13/17 09:36	
2-Chlorotoluene	ug/L	<0.50	1.0	01/13/17 09:36	
4-Chlorotoluene	ug/L	<0.21	1.0	01/13/17 09:36	
Benzene	ug/L	<0.50	1.0	01/13/17 09:36	
Bromobenzene	ug/L	<0.23	1.0	01/13/17 09:36	
Bromochloromethane	ug/L	<0.34	1.0	01/13/17 09:36	
Bromodichloromethane	ug/L	<0.50	1.0	01/13/17 09:36	
Bromoform	ug/L	<0.50	1.0	01/13/17 09:36	
Bromomethane	ug/L	<2.4	5.0	01/13/17 09:36	
Carbon tetrachloride	ug/L	<0.50	1.0	01/13/17 09:36	
Chlorobenzene	ug/L	<0.50	1.0	01/13/17 09:36	
Chloroethane	ug/L	<0.37	1.0	01/13/17 09:36	
Chloroform	ug/L	<2.5	5.0	01/13/17 09:36	
Chloromethane	ug/L	<0.50	1.0	01/13/17 09:36	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	01/13/17 09:36	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	01/13/17 09:36	
Dibromochloromethane	ug/L	<0.50	1.0	01/13/17 09:36	
Dibromomethane	ug/L	<0.43	1.0	01/13/17 09:36	
Dichlorodifluoromethane	ug/L	<0.22	1.0	01/13/17 09:36	
Diisopropyl ether	ug/L	<0.50	1.0	01/13/17 09:36	
Ethylbenzene	ug/L	<0.50	1.0	01/13/17 09:36	

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

METHOD BLANK: 1456286

Matrix: Water

Associated Lab Samples: 40144399003, 40144399006, 40144399011, 40144399014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	01/13/17 09:36	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	01/13/17 09:36	
m&p-Xylene	ug/L	<1.0	2.0	01/13/17 09:36	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	01/13/17 09:36	
Methylene Chloride	ug/L	<0.23	1.0	01/13/17 09:36	
n-Butylbenzene	ug/L	<0.50	1.0	01/13/17 09:36	
n-Propylbenzene	ug/L	<0.50	1.0	01/13/17 09:36	
Naphthalene	ug/L	<2.5	5.0	01/13/17 09:36	
o-Xylene	ug/L	<0.50	1.0	01/13/17 09:36	
p-Isopropyltoluene	ug/L	<0.50	1.0	01/13/17 09:36	
sec-Butylbenzene	ug/L	<2.2	5.0	01/13/17 09:36	
Styrene	ug/L	<0.50	1.0	01/13/17 09:36	
tert-Butylbenzene	ug/L	<0.18	1.0	01/13/17 09:36	
Tetrachloroethene	ug/L	<0.50	1.0	01/13/17 09:36	
Toluene	ug/L	<0.50	1.0	01/13/17 09:36	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	01/13/17 09:36	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	01/13/17 09:36	
Trichloroethene	ug/L	<0.33	1.0	01/13/17 09:36	
Trichlorofluoromethane	ug/L	<0.18	1.0	01/13/17 09:36	
Vinyl chloride	ug/L	<0.18	1.0	01/13/17 09:36	
4-Bromofluorobenzene (S)	%	98	70-130	01/13/17 09:36	
Dibromofluoromethane (S)	%	104	70-130	01/13/17 09:36	
Toluene-d8 (S)	%	99	70-130	01/13/17 09:36	

LABORATORY CONTROL SAMPLE: 1456287

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	17.1	86	70-131	
1,1,2,2-Tetrachloroethane	ug/L	20	17.4	87	67-130	
1,1,2-Trichloroethane	ug/L	20	17.8	89	70-130	
1,1-Dichloroethane	ug/L	20	16.9	84	70-133	
1,1-Dichloroethene	ug/L	20	15.8	79	70-130	
1,2,4-Trichlorobenzene	ug/L	20	17.5	88	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	15.9	80	50-150	
1,2-Dibromoethane (EDB)	ug/L	20	18.0	90	70-130	
1,2-Dichlorobenzene	ug/L	20	19.3	97	70-130	
1,2-Dichloroethane	ug/L	20	17.2	86	70-130	
1,2-Dichloropropane	ug/L	20	17.7	88	70-130	
1,3-Dichlorobenzene	ug/L	20	18.5	93	70-130	
1,4-Dichlorobenzene	ug/L	20	19.5	97	70-130	
Benzene	ug/L	20	17.5	87	60-135	
Bromodichloromethane	ug/L	20	17.1	86	70-130	
Bromoform	ug/L	20	17.7	88	70-130	
Bromomethane	ug/L	20	10.7	53	33-130	

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

LABORATORY CONTROL SAMPLE: 1456287

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	20	17.4	87	70-138	
Chlorobenzene	ug/L	20	18.2	91	70-130	
Chloroethane	ug/L	20	16.2	81	51-130	
Chloroform	ug/L	20	17.4	87	70-130	
Chloromethane	ug/L	20	13.9	70	25-132	
cis-1,2-Dichloroethene	ug/L	20	16.6	83	69-130	
cis-1,3-Dichloropropene	ug/L	20	14.5	73	70-130	
Dibromochloromethane	ug/L	20	17.6	88	70-130	
Dichlorodifluoromethane	ug/L	20	10.0	50	23-130	
Ethylbenzene	ug/L	20	17.9	90	70-136	
Isopropylbenzene (Cumene)	ug/L	20	18.4	92	70-140	
m&p-Xylene	ug/L	40	37.2	93	70-138	
Methyl-tert-butyl ether	ug/L	20	15.5	77	66-138	
Methylene Chloride	ug/L	20	15.5	78	70-130	
o-Xylene	ug/L	20	18.3	92	70-134	
Styrene	ug/L	20	18.4	92	70-133	
Tetrachloroethene	ug/L	20	18.0	90	70-138	
Toluene	ug/L	20	18.1	90	70-130	
trans-1,2-Dichloroethene	ug/L	20	16.3	82	70-131	
trans-1,3-Dichloropropene	ug/L	20	14.2	71	69-130	
Trichloroethene	ug/L	20	17.6	88	70-130	
Trichlorofluoromethane	ug/L	20	18.3	92	50-150	
Vinyl chloride	ug/L	20	15.6	78	49-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1456357 1456358

Parameter	Units	40144402001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1-Trichloroethane	ug/L	131	500	500	540	611	82	96	70-134	12	20		
1,1,2,2-Tetrachloroethane	ug/L	<2.5	500	500	449	472	90	94	67-130	5	20		
1,1,2-Trichloroethane	ug/L	<2.0	500	500	487	498	97	100	70-130	2	20		
1,1-Dichloroethane	ug/L	314	500	500	683	775	74	92	70-134	13	20		
1,1-Dichloroethene	ug/L	57.2	500	500	443	498	77	88	68-136	12	20		
1,2,4-Trichlorobenzene	ug/L	<22.1	500	500	506	524	101	105	62-139	3	20		
1,2-Dibromo-3-chloropropane	ug/L	<21.6	500	500	426	445	85	89	50-150	4	20		
1,2-Dibromoethane (EDB)	ug/L	<1.8	500	500	499	510	100	102	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<5.0	500	500	504	518	101	104	70-130	3	20		
1,2-Dichloroethane	ug/L	2.4J	500	500	404	459	80	91	70-130	13	20		
1,2-Dichloropropane	ug/L	<2.3	500	500	493	486	99	97	70-130	1	20		
1,3-Dichlorobenzene	ug/L	<5.0	500	500	514	526	103	105	70-131	2	20		
1,4-Dichlorobenzene	ug/L	<5.0	500	500	500	514	100	103	70-130	3	20		

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Parameter	Units	40144402001		1456357		1456358		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Benzene	ug/L	<5.0	500	500	434	492	87	98	57-138	12	20		
Bromodichloromethane	ug/L	<5.0	500	500	494	495	99	99	70-130	0	20		
Bromoform	ug/L	<5.0	500	500	462	474	92	95	70-130	3	20		
Bromomethane	ug/L	<24.3	500	500	296	345	59	69	33-130	15	27		
Carbon tetrachloride	ug/L	<5.0	500	500	517	569	103	114	70-138	10	20		
Chlorobenzene	ug/L	<5.0	500	500	515	523	103	105	70-130	1	20		
Chloroethane	ug/L	118	500	500	489	554	74	87	51-130	12	20		
Chloroform	ug/L	<25.0	500	500	429	487	86	97	70-130	13	20		
Chloromethane	ug/L	<5.0	500	500	337	379	67	76	25-132	12	20		
cis-1,2-Dichloroethene	ug/L	976	500	500	1230	1410	51	87	61-140	14	20	M1	
cis-1,3-Dichloropropene	ug/L	<5.0	500	500	465	471	93	94	70-130	1	20		
Dibromochloromethane	ug/L	<5.0	500	500	513	524	103	105	70-130	2	20		
Dichlorodifluoromethane	ug/L	<2.2	500	500	241	271	48	54	23-130	11	20		
Ethylbenzene	ug/L	22.7	500	500	539	542	103	104	70-138	1	20		
Isopropylbenzene (Cumene)	ug/L	<1.4	500	500	524	527	105	105	70-152	1	20		
m&p-Xylene	ug/L	80.0	1000	1000	1150	1130	107	105	70-140	2	20		
Methyl-tert-butyl ether	ug/L	<1.7	500	500	368	425	74	85	66-139	14	20		
Methylene Chloride	ug/L	13.2	500	500	387	442	75	86	70-130	13	20		
o-Xylene	ug/L	24.1	500	500	542	548	104	105	70-134	1	20		
Styrene	ug/L	<5.0	500	500	518	524	104	105	70-138	1	20		
Tetrachloroethene	ug/L	7.3J	500	500	536	542	106	107	70-148	1	20		
Toluene	ug/L	195	500	500	704	720	102	105	70-130	2	20		
trans-1,2-Dichloroethene	ug/L	6.2J	500	500	401	456	79	90	70-133	13	20		
trans-1,3-Dichloropropene	ug/L	<2.3	500	500	470	480	94	96	69-130	2	20		
Trichloroethene	ug/L	27.2	500	500	523	528	99	100	70-131	1	20		
Trichlorofluoromethane	ug/L	<1.8	500	500	453	505	91	101	50-150	11	20		
Vinyl chloride	ug/L	56.5	500	500	428	484	74	86	49-133	12	20		
4-Bromofluorobenzene (S)	%						100	99	70-130				
Dibromofluoromethane (S)	%						90	100	70-130				
Toluene-d8 (S)	%						100	100	70-130				

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

QC Batch: 246913

Analysis Method: EPA 8270 by SIM

QC Batch Method: EPA 3546

Analysis Description: 8270/3546 MSSV PAH by SIM

Associated Lab Samples: 40144399009, 40144399010, 40144399012, 40144399013

METHOD BLANK: 1459732

Matrix: Solid

Associated Lab Samples: 40144399009, 40144399010, 40144399012, 40144399013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	01/24/17 11:01	
2-Methylnaphthalene	ug/kg	<5.0	16.7	01/24/17 11:01	
Acenaphthene	ug/kg	<3.9	12.9	01/24/17 11:01	
Acenaphthylene	ug/kg	<3.3	11.0	01/24/17 11:01	
Anthracene	ug/kg	<5.7	19.0	01/24/17 11:01	
Benzo(a)anthracene	ug/kg	<3.2	10.6	01/24/17 11:01	
Benzo(a)pyrene	ug/kg	<2.5	8.4	01/24/17 11:01	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	01/24/17 11:01	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	01/24/17 11:01	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	01/24/17 11:01	
Chrysene	ug/kg	<3.4	11.2	01/24/17 11:01	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	01/24/17 11:01	
Fluoranthene	ug/kg	<5.2	17.4	01/24/17 11:01	
Fluorene	ug/kg	<4.1	13.8	01/24/17 11:01	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	01/24/17 11:01	
Naphthalene	ug/kg	<8.4	28.1	01/24/17 11:01	
Phenanthrene	ug/kg	<11.6	38.8	01/24/17 11:01	
Pyrene	ug/kg	<4.5	15.0	01/24/17 11:01	
2-Fluorobiphenyl (S)	%	73	26-130	01/24/17 11:01	
Terphenyl-d14 (S)	%	89	10-130	01/24/17 11:01	

LABORATORY CONTROL SAMPLE: 1459733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	195	59	48-130	
2-Methylnaphthalene	ug/kg	333	207	62	49-130	
Acenaphthene	ug/kg	333	241	72	54-130	
Acenaphthylene	ug/kg	333	244	73	56-130	
Anthracene	ug/kg	333	270	81	70-130	
Benzo(a)anthracene	ug/kg	333	266	80	58-130	
Benzo(a)pyrene	ug/kg	333	284	85	58-130	
Benzo(b)fluoranthene	ug/kg	333	267	80	50-130	
Benzo(g,h,i)perylene	ug/kg	333	281	84	39-130	
Benzo(k)fluoranthene	ug/kg	333	277	83	57-130	
Chrysene	ug/kg	333	307	92	64-130	
Dibenz(a,h)anthracene	ug/kg	333	281	84	44-130	
Fluoranthene	ug/kg	333	266	80	59-130	
Fluorene	ug/kg	333	259	78	56-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	287	86	45-130	
Naphthalene	ug/kg	333	213	64	46-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

LABORATORY CONTROL SAMPLE: 1459733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	254	76	56-130	
Pyrene	ug/kg	333	274	82	59-130	
2-Fluorobiphenyl (S)	%			75	26-130	
Terphenyl-d14 (S)	%			81	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1459734 1459735

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40144645015 Result	Spike Conc.	Spike Conc.	Conc.								
1-Methylnaphthalene	ug/kg	<4.6	382	382	382	233	243	61	63	41-130	4	24	
2-Methylnaphthalene	ug/kg	<5.7	382	382	382	252	242	66	63	42-130	4	25	
Acenaphthene	ug/kg	<0.0045 mg/kg	382	382	382	271	265	71	69	49-130	2	27	
Acenaphthylene	ug/kg	<0.0038 mg/kg	382	382	382	277	271	72	71	52-130	2	26	
Anthracene	ug/kg	<0.0066 mg/kg	382	382	382	290	294	76	77	61-130	1	29	
Benzo(a)anthracene	ug/kg	<0.0036 mg/kg	382	382	382	279	285	73	75	45-130	2	28	
Benzo(a)pyrene	ug/kg	<0.0029 mg/kg	382	382	382	294	305	77	80	39-130	3	34	
Benzo(b)fluoranthene	ug/kg	<0.0032 mg/kg	382	382	382	297	309	78	81	30-130	4	43	
Benzo(g,h,i)perylene	ug/kg	<0.0023 mg/kg	382	382	382	278	276	73	72	24-130	1	34	
Benzo(k)fluoranthene	ug/kg	<0.0029 mg/kg	382	382	382	302	309	79	81	41-130	2	32	
Chrysene	ug/kg	<0.0039 mg/kg	382	382	382	316	331	83	86	46-130	5	37	
Dibenz(a,h)anthracene	ug/kg	<0.0026 mg/kg	382	382	382	297	295	78	77	33-130	1	34	
Fluoranthene	ug/kg	<0.0060 mg/kg	382	382	382	293	290	76	76	41-130	1	25	
Fluorene	ug/kg	<0.0048 mg/kg	382	382	382	267	280	70	73	49-130	5	30	
Indeno(1,2,3-cd)pyrene	ug/kg	<0.0025 mg/kg	382	382	382	295	297	77	78	30-130	1	28	
Naphthalene	ug/kg	<0.0097 mg/kg	382	382	382	258	243	67	64	39-130	6	26	
Phenanthrene	ug/kg	<0.013 mg/kg	382	382	382	275	278	72	73	47-130	1	26	
Pyrene	ug/kg	<0.0052 mg/kg	382	382	382	302	296	79	77	37-130	2	30	
2-Fluorobiphenyl (S)	%							68	64	26-130			
Terphenyl-d14 (S)	%							75	70	10-130			

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

QC Batch:	246401	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40144399001, 40144399002, 40144399004, 40144399005, 40144399007, 40144399008, 40144399009, 40144399010, 40144399012, 40144399013		

SAMPLE DUPLICATE: 1457340

Parameter	Units	40144399009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.5	19.5	5	10	

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QUALIFIERS

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

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

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

W Non-detect results are reported on a wet weight basis.

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUGGAR PROPERTY

Pace Project No.: 40144399

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40144399001	DP-8 (1.5-2)	EPA 3050	246259	EPA 6010	246294
40144399002	DP-8 (11.5-12)	EPA 3050	246259	EPA 6010	246294
40144399004	DP-11 (3-4)	EPA 3050	246259	EPA 6010	246294
40144399005	DP-11 (11.5-12)	EPA 3050	246259	EPA 6010	246294
40144399009	DP-5 (3-4)	EPA 3050	246259	EPA 6010	246294
40144399010	DP-5 (7-8)	EPA 3050	246259	EPA 6010	246294
40144399012	DP-6 (3-4)	EPA 3050	246259	EPA 6010	246294
40144399013	DP-6 (11-12)	EPA 3050	246259	EPA 6010	246294
40144399009	DP-5 (3-4)	EPA 3546	246913	EPA 8270 by SIM	246930
40144399010	DP-5 (7-8)	EPA 3546	246913	EPA 8270 by SIM	246930
40144399012	DP-6 (3-4)	EPA 3546	246913	EPA 8270 by SIM	246930
40144399013	DP-6 (11-12)	EPA 3546	246913	EPA 8270 by SIM	246930
40144399001	DP-8 (1.5-2)	EPA 5035/5030B	246387	EPA 8260	246388
40144399002	DP-8 (11.5-12)	EPA 5035/5030B	246387	EPA 8260	246388
40144399004	DP-11 (3-4)	EPA 5035/5030B	246387	EPA 8260	246388
40144399005	DP-11 (11.5-12)	EPA 5035/5030B	246387	EPA 8260	246388
40144399007	DP-7 (3-4)	EPA 5035/5030B	246387	EPA 8260	246388
40144399008	DP-7 (7-8)	EPA 5035/5030B	246387	EPA 8260	246388
40144399009	DP-5 (3-4)	EPA 5035/5030B	246387	EPA 8260	246388
40144399010	DP-5 (7-8)	EPA 5035/5030B	246387	EPA 8260	246388
40144399012	DP-6 (3-4)	EPA 5035/5030B	246387	EPA 8260	246388
40144399013	DP-6 (11-12)	EPA 5035/5030B	246387	EPA 8260	246388
40144399003	DP-8W	EPA 8260	246249		
40144399006	DP-11W	EPA 8260	246249		
40144399011	DP-5W	EPA 8260	246249		
40144399014	DP-6W	EPA 8260	246249		
40144399001	DP-8 (1.5-2)	ASTM D2974-87	246401		
40144399002	DP-8 (11.5-12)	ASTM D2974-87	246401		
40144399004	DP-11 (3-4)	ASTM D2974-87	246401		
40144399005	DP-11 (11.5-12)	ASTM D2974-87	246401		
40144399007	DP-7 (3-4)	ASTM D2974-87	246401		
40144399008	DP-7 (7-8)	ASTM D2974-87	246401		
40144399009	DP-5 (3-4)	ASTM D2974-87	246401		
40144399010	DP-5 (7-8)	ASTM D2974-87	246401		
40144399012	DP-6 (3-4)	ASTM D2974-87	246401		
40144399013	DP-6 (11-12)	ASTM D2974-87	246401		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Project # WO#: 40144399

Client Name: Midwest Env.

Courier: Fed Ex UPS Client Pace Other: CS Logistics
Tracking #: _____



Custody Seal on Cooler/Box Present: Yes no Seals intact: Yes no

Custody Seal on Samples Present: Yes no Seals intact: Yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: RDT Corr: _____ Biological Tissue Is Frozen: Yes

Temp Blank Present: Yes no

Person examining contents:
Date: 1-12-17
Initials: [Signature]

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Table with 15 rows of checklist items and checkboxes. Includes items like 'Chain of Custody Present', 'Short Hold Time Analysis', 'Containers Intact', and 'Headspace in VOA Vials'. Includes handwritten notes such as 'Heavy Sediment in all 40 vials' and 'No collect date & time on all samples'.

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

[Signature]

Date: 1-12-17

May 22, 2018

Sean Cranley
Midwest Environmental Consulting
N6395 E. Paradise Rd
Burlington, WI 53105

RE: Project: SUGGAR PROPERTY
Pace Project No.: 40169195

Dear Sean Cranley:

Enclosed are the analytical results for sample(s) received by the laboratory on May 16, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: SUGGAR PROPERTY

Pace Project No.: 40169195

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: SUGGAR PROPERTY

Pace Project No.: 40169195

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40169195001	SB-1 (9.5'-11')	Solid	05/14/18 09:45	05/16/18 10:05

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SUGGAR PROPERTY

Pace Project No.: 40169195

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40169195001	SB-1 (9.5'-11')	WI MOD GRO	ALD	10	PASI-G
		ASTM D2974-87	TEL	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: SUGGAR PROPERTY

Pace Project No.: 40169195

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40169195001	SB-1 (9.5'-11')					
WI MOD GRO	1,2,4-Trimethylbenzene	0.029J	mg/kg	0.067	05/21/18 11:46	
ASTM D2974-87	Percent Moisture	10.2	%	0.10	05/21/18 11:04	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40169195

Sample: SB-1 (9.5'-11') **Lab ID: 40169195001** Collected: 05/14/18 09:45 Received: 05/16/18 10:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<0.025	mg/kg	0.060	0.025	1	05/21/18 08:30	05/21/18 11:46	71-43-2	W
Ethylbenzene	<0.025	mg/kg	0.060	0.025	1	05/21/18 08:30	05/21/18 11:46	100-41-4	W
Methyl-tert-butyl ether	<0.025	mg/kg	0.060	0.025	1	05/21/18 08:30	05/21/18 11:46	1634-04-4	W
Naphthalene	<0.025	mg/kg	0.060	0.025	1	05/21/18 08:30	05/21/18 11:46	91-20-3	W
Toluene	<0.025	mg/kg	0.060	0.025	1	05/21/18 08:30	05/21/18 11:46	108-88-3	W
1,2,4-Trimethylbenzene	0.029J	mg/kg	0.067	0.028	1	05/21/18 08:30	05/21/18 11:46	95-63-6	
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	05/21/18 08:30	05/21/18 11:46	108-67-8	W
m&p-Xylene	<0.050	mg/kg	0.12	0.050	1	05/21/18 08:30	05/21/18 11:46	179601-23-1	W
o-Xylene	<0.025	mg/kg	0.060	0.025	1	05/21/18 08:30	05/21/18 11:46	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	109	%	80-120		1	05/21/18 08:30	05/21/18 11:46	98-08-8	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	10.2	%	0.10	0.10	1		05/21/18 11:04		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40169195

QC Batch: 289431	Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext.	Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40169195001	

METHOD BLANK: 1694136 Matrix: Solid
Associated Lab Samples: 40169195001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	mg/kg	<0.025	0.050	05/21/18 10:04	
1,3,5-Trimethylbenzene	mg/kg	<0.025	0.050	05/21/18 10:04	
Benzene	mg/kg	<0.025	0.050	05/21/18 10:04	
Ethylbenzene	mg/kg	<0.025	0.050	05/21/18 10:04	
m&p-Xylene	mg/kg	<0.050	0.10	05/21/18 10:04	
Methyl-tert-butyl ether	mg/kg	<0.025	0.050	05/21/18 10:04	
Naphthalene	mg/kg	<0.025	0.050	05/21/18 10:04	
o-Xylene	mg/kg	<0.025	0.050	05/21/18 10:04	
Toluene	mg/kg	<0.025	0.050	05/21/18 10:04	
a,a,a-Trifluorotoluene (S)	%	100	80-120	05/21/18 10:04	

LABORATORY CONTROL SAMPLE & LCSD: 1694137 1694138

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	mg/kg	1	1.0	1.0	102	105	80-120	3	20	
1,3,5-Trimethylbenzene	mg/kg	1	0.98	1.0	98	102	80-120	4	20	
Benzene	mg/kg	1	0.97	1.0	97	100	80-120	3	20	
Ethylbenzene	mg/kg	1	1.0	1.0	101	104	80-120	3	20	
m&p-Xylene	mg/kg	2	2.0	2.1	100	103	80-120	3	20	
Methyl-tert-butyl ether	mg/kg	1	0.92	0.92	92	92	80-120	0	20	
Naphthalene	mg/kg	1	1.1	1.1	106	107	80-120	1	20	
o-Xylene	mg/kg	1	1.0	1.0	100	102	80-120	2	20	
Toluene	mg/kg	1	0.99	1.0	99	101	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				100	99	80-120			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40169195

QC Batch: 289465

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40169195001

SAMPLE DUPLICATE: 1694231

Parameter	Units	40169145008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.6	21.5	0	10	

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QUALIFIERS

Project: SUGGAR PROPERTY

Pace Project No.: 40169195

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

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

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUGGAR PROPERTY

Pace Project No.: 40169195

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40169195001	SB-1 (9.5'-11')	TPH GRO/PVOC WI ext.	289431	WI MOD GRO	289493
40169195001	SB-1 (9.5'-11')	ASTM D2974-87	289465		

REPORT OF LABORATORY ANALYSIS

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Sample Preservation Receipt Form

Client Name: Midwest Env

Project # 40169195

Page 1 of 1

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:


Pace Lab #	Glass							Plastic							Vials					Jars			General			VOA Vials (>6mm) *	H2SO4 pH 52	NaOH+Zn Act pH 28	NaOH pH 212	HNO3 pH 52	pH after adjusted	Volume (mL)						
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC								GN					
001																																						2.5 / 5 / 10
002																																						2.5 / 5 / 10
003																																						2.5 / 5 / 10
004																																						2.5 / 5 / 10
005																																						2.5 / 5 / 10
006																																						2.5 / 5 / 10
007																																						2.5 / 5 / 10
008																																						2.5 / 5 / 10
009																																						2.5 / 5 / 10
010																																						2.5 / 5 / 10
011																																						2.5 / 5 / 10
012																																						2.5 / 5 / 10
013																																						2.5 / 5 / 10
014																																						2.5 / 5 / 10
015																																						2.5 / 5 / 10
016																																						2.5 / 5 / 10
017																																						2.5 / 5 / 10
018																																						2.5 / 5 / 10
019																																						2.5 / 5 / 10
020																																						2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:

Headspace in VOA Vials (>6mm) : Yes No N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Sample Condition Upon Receipt Form (SCUR)

Project #: **WO#: 40169195**

40169195

Client Name: Midwest Env. Consulting
Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

Tracking #: _____
Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
Custody Seal on Samples Present: yes no Seals intact: yes no
Packing Material: Bubble Wrap Bubble Bags None Other _____
Thermometer Used SR - N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature Uncorr: 102 / Corr: _____

Temp Blank Present: yes no Biological Tissue Is Frozen: yes no
Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 5/16/18
Initials: NS

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>no collect date/time on label</u>
-Includes date/time/ID/Analysis Matrix:		<u>NS 5/16/18</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____
If checked, see attached form for additional comments

Project Manager Review: *[Signature]* Date: 5/16/18

June 12, 2018

Sean Cranley
Midwest Environmental Consulting
N6395 E. Paradise Rd
Burlington, WI 53105

RE: Project: SUGGAR PROPERTY
Pace Project No.: 40170549

Dear Sean Cranley:

Enclosed are the analytical results for sample(s) received by the laboratory on June 09, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Tod Noltemeyer for
Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: SUGGAR PROPERTY

Pace Project No.: 40170549

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: SUGGAR PROPERTY

Pace Project No.: 40170549

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40170549001	MW-1	Water	06/06/18 11:50	06/09/18 08:20
40170549002	MW-2	Water	06/06/18 12:40	06/09/18 08:20
40170549003	MW-3	Water	06/06/18 13:30	06/09/18 08:20
40170549004	MW-4	Water	06/06/18 14:00	06/09/18 08:20
40170549005	MW-5	Water	06/06/18 15:25	06/09/18 08:20
40170549006	MW-8	Water	06/06/18 14:45	06/09/18 08:20

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SAMPLE ANALYTE COUNT

Project: SUGGAR PROPERTY

Pace Project No.: 40170549

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40170549001	MW-1	WI MOD GRO	ALD	10	PASI-G
40170549002	MW-2	WI MOD GRO	ALD	10	PASI-G
40170549003	MW-3	WI MOD GRO	ALD	10	PASI-G
40170549004	MW-4	WI MOD GRO	ALD	10	PASI-G
40170549005	MW-5	WI MOD GRO	ALD	10	PASI-G
40170549006	MW-8	WI MOD GRO	ALD	10	PASI-G

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SUMMARY OF DETECTION

Project: SUGGAR PROPERTY

Pace Project No.: 40170549

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40170549001	MW-1					
WI MOD GRO	Benzene	3.9J	ug/L	10.2	06/11/18 16:13	
WI MOD GRO	Ethylbenzene	2800	ug/L	11.0	06/11/18 16:13	M1
WI MOD GRO	Methyl-tert-butyl ether	9.6J	ug/L	10.7	06/11/18 16:13	
WI MOD GRO	Naphthalene	17.9	ug/L	16.8	06/11/18 16:13	
WI MOD GRO	Toluene	14.6J	ug/L	16.3	06/11/18 16:13	
WI MOD GRO	1,2,4-Trimethylbenzene	231	ug/L	11.4	06/11/18 16:13	
WI MOD GRO	1,3,5-Trimethylbenzene	5.4J	ug/L	10.9	06/11/18 16:13	
WI MOD GRO	m&p-Xylene	940	ug/L	21.8	06/11/18 16:13	
WI MOD GRO	o-Xylene	68.7	ug/L	10.5	06/11/18 16:13	
40170549003	MW-3					
WI MOD GRO	Ethylbenzene	1250	ug/L	11.0	06/11/18 15:48	
WI MOD GRO	Methyl-tert-butyl ether	5.7J	ug/L	10.7	06/11/18 15:48	
WI MOD GRO	Naphthalene	7.9J	ug/L	16.8	06/11/18 15:48	
WI MOD GRO	Toluene	5.1J	ug/L	16.3	06/11/18 15:48	
WI MOD GRO	1,2,4-Trimethylbenzene	1080	ug/L	11.4	06/11/18 15:48	
WI MOD GRO	1,3,5-Trimethylbenzene	76.2	ug/L	10.9	06/11/18 15:48	
WI MOD GRO	m&p-Xylene	920	ug/L	21.8	06/11/18 15:48	
WI MOD GRO	o-Xylene	16.9	ug/L	10.5	06/11/18 15:48	
40170549006	MW-8					
WI MOD GRO	Benzene	2.4	ug/L	2.0	06/11/18 16:39	
WI MOD GRO	Ethylbenzene	455	ug/L	2.2	06/11/18 16:39	
WI MOD GRO	Methyl-tert-butyl ether	6.6	ug/L	2.1	06/11/18 16:39	
WI MOD GRO	Naphthalene	3.1J	ug/L	3.4	06/11/18 16:39	
WI MOD GRO	Toluene	2.7J	ug/L	3.3	06/11/18 16:39	
WI MOD GRO	1,2,4-Trimethylbenzene	99.9	ug/L	2.3	06/11/18 16:39	
WI MOD GRO	m&p-Xylene	32.2	ug/L	4.4	06/11/18 16:39	
WI MOD GRO	o-Xylene	15.2	ug/L	2.1	06/11/18 16:39	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40170549

Sample: MW-1 **Lab ID: 40170549001** Collected: 06/06/18 11:50 Received: 06/09/18 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	3.9J	ug/L	10.2	3.1	10		06/11/18 16:13	71-43-2	
Ethylbenzene	2800	ug/L	11.0	3.3	10		06/11/18 16:13	100-41-4	M1
Methyl-tert-butyl ether	9.6J	ug/L	10.7	3.2	10		06/11/18 16:13	1634-04-4	
Naphthalene	17.9	ug/L	16.8	5.1	10		06/11/18 16:13	91-20-3	
Toluene	14.6J	ug/L	16.3	4.9	10		06/11/18 16:13	108-88-3	
1,2,4-Trimethylbenzene	231	ug/L	11.4	3.4	10		06/11/18 16:13	95-63-6	
1,3,5-Trimethylbenzene	5.4J	ug/L	10.9	3.3	10		06/11/18 16:13	108-67-8	
m&p-Xylene	940	ug/L	21.8	6.6	10		06/11/18 16:13	179601-23-1	
o-Xylene	68.7	ug/L	10.5	3.2	10		06/11/18 16:13	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		10		06/11/18 16:13	98-08-8	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40170549

Sample: MW-2 **Lab ID: 40170549002** Collected: 06/06/18 12:40 Received: 06/09/18 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	<0.31	ug/L	1.0	0.31	1		06/11/18 14:31	71-43-2	
Ethylbenzene	<0.33	ug/L	1.1	0.33	1		06/11/18 14:31	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.1	0.32	1		06/11/18 14:31	1634-04-4	
Naphthalene	<0.51	ug/L	1.7	0.51	1		06/11/18 14:31	91-20-3	
Toluene	<0.49	ug/L	1.6	0.49	1		06/11/18 14:31	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.1	0.34	1		06/11/18 14:31	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.1	0.33	1		06/11/18 14:31	108-67-8	
m&p-Xylene	<0.66	ug/L	2.2	0.66	1		06/11/18 14:31	179601-23-1	
o-Xylene	<0.32	ug/L	1.0	0.32	1		06/11/18 14:31	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		06/11/18 14:31	98-08-8	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40170549

Sample: MW-3 **Lab ID: 40170549003** Collected: 06/06/18 13:30 Received: 06/09/18 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	<3.1	ug/L	10.2	3.1	10		06/11/18 15:48	71-43-2	
Ethylbenzene	1250	ug/L	11.0	3.3	10		06/11/18 15:48	100-41-4	
Methyl-tert-butyl ether	5.7J	ug/L	10.7	3.2	10		06/11/18 15:48	1634-04-4	
Naphthalene	7.9J	ug/L	16.8	5.1	10		06/11/18 15:48	91-20-3	
Toluene	5.1J	ug/L	16.3	4.9	10		06/11/18 15:48	108-88-3	
1,2,4-Trimethylbenzene	1080	ug/L	11.4	3.4	10		06/11/18 15:48	95-63-6	
1,3,5-Trimethylbenzene	76.2	ug/L	10.9	3.3	10		06/11/18 15:48	108-67-8	
m&p-Xylene	920	ug/L	21.8	6.6	10		06/11/18 15:48	179601-23-1	
o-Xylene	16.9	ug/L	10.5	3.2	10		06/11/18 15:48	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		10		06/11/18 15:48	98-08-8	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40170549

Sample: MW-4 **Lab ID: 40170549004** Collected: 06/06/18 14:00 Received: 06/09/18 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	<0.31	ug/L	1.0	0.31	1		06/11/18 14:56	71-43-2	
Ethylbenzene	<0.33	ug/L	1.1	0.33	1		06/11/18 14:56	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.1	0.32	1		06/11/18 14:56	1634-04-4	
Naphthalene	<0.51	ug/L	1.7	0.51	1		06/11/18 14:56	91-20-3	
Toluene	<0.49	ug/L	1.6	0.49	1		06/11/18 14:56	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.1	0.34	1		06/11/18 14:56	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.1	0.33	1		06/11/18 14:56	108-67-8	
m&p-Xylene	<0.66	ug/L	2.2	0.66	1		06/11/18 14:56	179601-23-1	
o-Xylene	<0.32	ug/L	1.0	0.32	1		06/11/18 14:56	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		06/11/18 14:56	98-08-8	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40170549

Sample: MW-5 **Lab ID: 40170549005** Collected: 06/06/18 15:25 Received: 06/09/18 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	<0.31	ug/L	1.0	0.31	1		06/11/18 15:22	71-43-2	
Ethylbenzene	<0.33	ug/L	1.1	0.33	1		06/11/18 15:22	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.1	0.32	1		06/11/18 15:22	1634-04-4	
Naphthalene	<0.51	ug/L	1.7	0.51	1		06/11/18 15:22	91-20-3	
Toluene	<0.49	ug/L	1.6	0.49	1		06/11/18 15:22	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.1	0.34	1		06/11/18 15:22	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.1	0.33	1		06/11/18 15:22	108-67-8	
m&p-Xylene	<0.66	ug/L	2.2	0.66	1		06/11/18 15:22	179601-23-1	
o-Xylene	<0.32	ug/L	1.0	0.32	1		06/11/18 15:22	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		06/11/18 15:22	98-08-8	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40170549

Sample: MW-8 **Lab ID: 40170549006** Collected: 06/06/18 14:45 Received: 06/09/18 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	2.4	ug/L	2.0	0.61	2		06/11/18 16:39	71-43-2	
Ethylbenzene	455	ug/L	2.2	0.66	2		06/11/18 16:39	100-41-4	
Methyl-tert-butyl ether	6.6	ug/L	2.1	0.64	2		06/11/18 16:39	1634-04-4	
Naphthalene	3.1J	ug/L	3.4	1.0	2		06/11/18 16:39	91-20-3	
Toluene	2.7J	ug/L	3.3	0.98	2		06/11/18 16:39	108-88-3	
1,2,4-Trimethylbenzene	99.9	ug/L	2.3	0.68	2		06/11/18 16:39	95-63-6	
1,3,5-Trimethylbenzene	<0.66	ug/L	2.2	0.66	2		06/11/18 16:39	108-67-8	
m&p-Xylene	32.2	ug/L	4.4	1.3	2		06/11/18 16:39	179601-23-1	
o-Xylene	15.2	ug/L	2.1	0.63	2		06/11/18 16:39	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		2		06/11/18 16:39	98-08-8	

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY
Pace Project No.: 40170549

QC Batch: 291457 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40170549001, 40170549002, 40170549003, 40170549004, 40170549005, 40170549006

METHOD BLANK: 1704648 Matrix: Water
Associated Lab Samples: 40170549001, 40170549002, 40170549003, 40170549004, 40170549005, 40170549006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.34	1.1	06/11/18 09:41	
1,3,5-Trimethylbenzene	ug/L	<0.33	1.1	06/11/18 09:41	
Benzene	ug/L	<0.31	1.0	06/11/18 09:41	
Ethylbenzene	ug/L	<0.33	1.1	06/11/18 09:41	
m&p-Xylene	ug/L	<0.66	2.2	06/11/18 09:41	
Methyl-tert-butyl ether	ug/L	<0.32	1.1	06/11/18 09:41	
Naphthalene	ug/L	<0.51	1.7	06/11/18 09:41	
o-Xylene	ug/L	<0.32	1.0	06/11/18 09:41	
Toluene	ug/L	<0.49	1.6	06/11/18 09:41	
a,a,a-Trifluorotoluene (S)	%	101	80-120	06/11/18 09:41	

LABORATORY CONTROL SAMPLE & LCSD: 1704649 1704650

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	22.2	22.2	111	111	80-120	0	20	
1,3,5-Trimethylbenzene	ug/L	20	21.8	21.8	109	109	80-120	0	20	
Benzene	ug/L	20	21.8	21.6	109	108	80-120	1	20	
Ethylbenzene	ug/L	20	22.3	22.2	111	111	80-120	0	20	
m&p-Xylene	ug/L	40	44.0	44.0	110	110	80-120	0	20	
Methyl-tert-butyl ether	ug/L	20	20.7	20.9	103	104	80-120	1	20	
Naphthalene	ug/L	20	20.8	20.3	104	102	80-120	2	20	
o-Xylene	ug/L	20	21.8	21.7	109	108	80-120	1	20	
Toluene	ug/L	20	22.2	22.0	111	110	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				102	102	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1704827 1704828

Parameter	Units	40170549001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
1,2,4-Trimethylbenzene	ug/L	231	200	200	440	417	104	93	51-160	5	20		
1,3,5-Trimethylbenzene	ug/L	5.4J	200	200	210	207	102	101	56-146	2	20		
Benzene	ug/L	3.9J	200	200	199	194	97	95	71-137	3	20		
Ethylbenzene	ug/L	2800	200	200	3040	2840	117	19	71-141	7	20	M1	
m&p-Xylene	ug/L	940	400	400	1350	1280	102	84	66-141	6	20		
Methyl-tert-butyl ether	ug/L	9.6J	200	200	202	198	96	94	80-120	2	20		
Naphthalene	ug/L	17.9	200	200	204	205	93	94	67-138	1	20		
o-Xylene	ug/L	68.7	200	200	275	265	103	98	75-133	4	20		
Toluene	ug/L	14.6J	200	200	215	211	100	98	76-134	2	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40170549

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1704827		1704828									
Parameter	Units	40170549001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
a,a,a-Trifluorotoluene (S)	%						101	101	80-120				

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QUALIFIERS

Project: SUGGAR PROPERTY
Pace Project No.: 40170549

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

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

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUGGAR PROPERTY

Pace Project No.: 40170549

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40170549001	MW-1	WI MOD GRO	291457		
40170549002	MW-2	WI MOD GRO	291457		
40170549003	MW-3	WI MOD GRO	291457		
40170549004	MW-4	WI MOD GRO	291457		
40170549005	MW-5	WI MOD GRO	291457		
40170549006	MW-8	WI MOD GRO	291457		

REPORT OF LABORATORY ANALYSIS

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Sample Preservation Receipt Form

Client Name: 21614118 Midwest Project ENU

Project # 40170549

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper: _____ Lab Std #ID of preservation (if pH adjusted): _____ Initial when completed: _____ Date/Time: _____

Pace Lab #	Glass							Plastic						Vials					Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)					
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T								ZPLC	GN			
001																																				2.5 / 5 / 10
002																																				2.5 / 5 / 10
003																																				2.5 / 5 / 10
004																																				2.5 / 5 / 10
005																																				2.5 / 5 / 10
006																																				2.5 / 5 / 10
007																																				2.5 / 5 / 10
008																																				2.5 / 5 / 10
009																																				2.5 / 5 / 10
010																																				2.5 / 5 / 10
011																																				2.5 / 5 / 10
012																																				2.5 / 5 / 10
013																																				2.5 / 5 / 10
014																																				2.5 / 5 / 10
015																																				2.5 / 5 / 10
016																																				2.5 / 5 / 10
017																																				2.5 / 5 / 10
018																																				2.5 / 5 / 10
019																																				2.5 / 5 / 10
020																																				2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : Yes No N/A *If yes look in headspace column

AG1U 1 liter amber glass	BP1U 1 liter plastic unpres	DG9A 40 mL amber ascorbic	JGFU 4 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP2N 500 mL plastic HNO3	DG9T 40 mL amber Na Thio	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP2Z 500 mL plastic NaOH, Znact	VG9U 40 mL clear vial unpres	WPFU 4 oz plastic jar unpres
AG4U 120 mL amber glass unpres	BP3U 250 mL plastic unpres	VG9H 40 mL clear vial HCL	
AG5U 100 mL amber glass unpres	BP3C 250 mL plastic NaOH	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG2S 500 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9D 40 mL clear vial DI	ZPLC ziploc bag
BG3U 250 mL clear glass unpres	BP3S 250 mL plastic H2SO4		GN:

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40170549



Client Name: Midwest Env.

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used SR - N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: R05 Corr: _____

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:

Date: 6/19/18

Initials: [Signature]

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>mail to, invoice info. 6/19/18</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>no collect fines 6/19/18</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: RMR for CH Date: 6/19/18

December 28, 2018

Sean Cranley
Midwest Environmental Consulting
N6395 E. Paradise Rd
Burlington, WI 53105

RE: Project: SUGGAR PROPERTY
Pace Project No.: 40181397

Dear Sean Cranley:

Enclosed are the analytical results for sample(s) received by the laboratory on December 21, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: SUGGAR PROPERTY

Pace Project No.: 40181397

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: SUGGAR PROPERTY

Pace Project No.: 40181397

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40181397001	MW-6	Water	12/20/18 11:50	12/21/18 14:05
40181397002	MW-7	Water	12/20/18 11:30	12/21/18 14:05

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SUGGAR PROPERTY
Pace Project No.: 40181397

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40181397001	MW-6	WI MOD GRO	ALD	10	PASI-G
40181397002	MW-7	WI MOD GRO	ALD	10	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: SUGGAR PROPERTY

Pace Project No.: 40181397

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40181397001	MW-6					
WI MOD GRO	Benzene	5.2	ug/L	5.1	12/28/18 09:00	
WI MOD GRO	Ethylbenzene	552	ug/L	5.5	12/28/18 09:00	
WI MOD GRO	Methyl-tert-butyl ether	20.7	ug/L	5.4	12/28/18 09:00	
WI MOD GRO	Naphthalene	80.5	ug/L	8.4	12/28/18 09:00	
WI MOD GRO	Toluene	12.7	ug/L	8.2	12/28/18 09:00	
WI MOD GRO	1,2,4-Trimethylbenzene	10.9	ug/L	5.7	12/28/18 09:00	
WI MOD GRO	1,3,5-Trimethylbenzene	45.0	ug/L	5.4	12/28/18 09:00	
WI MOD GRO	m&p-Xylene	28.9	ug/L	10.9	12/28/18 09:00	
WI MOD GRO	o-Xylene	5.9	ug/L	5.2	12/28/18 09:00	
40181397002	MW-7					
WI MOD GRO	Benzene	79.2	ug/L	25.5	12/27/18 19:04	
WI MOD GRO	Ethylbenzene	2690	ug/L	27.5	12/27/18 19:04	
WI MOD GRO	Methyl-tert-butyl ether	51.2	ug/L	26.8	12/27/18 19:04	
WI MOD GRO	Naphthalene	277	ug/L	42.0	12/27/18 19:04	
WI MOD GRO	Toluene	648	ug/L	40.8	12/27/18 19:04	
WI MOD GRO	1,2,4-Trimethylbenzene	1250	ug/L	28.5	12/27/18 19:04	
WI MOD GRO	1,3,5-Trimethylbenzene	304	ug/L	27.2	12/27/18 19:04	
WI MOD GRO	m&p-Xylene	2170	ug/L	54.5	12/27/18 19:04	
WI MOD GRO	o-Xylene	395	ug/L	26.2	12/27/18 19:04	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40181397

Sample: MW-6 **Lab ID: 40181397001** Collected: 12/20/18 11:50 Received: 12/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	5.2	ug/L	5.1	1.5	5		12/28/18 09:00	71-43-2	
Ethylbenzene	552	ug/L	5.5	1.6	5		12/28/18 09:00	100-41-4	
Methyl-tert-butyl ether	20.7	ug/L	5.4	1.6	5		12/28/18 09:00	1634-04-4	
Naphthalene	80.5	ug/L	8.4	2.5	5		12/28/18 09:00	91-20-3	
Toluene	12.7	ug/L	8.2	2.4	5		12/28/18 09:00	108-88-3	
1,2,4-Trimethylbenzene	10.9	ug/L	5.7	1.7	5		12/28/18 09:00	95-63-6	
1,3,5-Trimethylbenzene	45.0	ug/L	5.4	1.6	5		12/28/18 09:00	108-67-8	
m&p-Xylene	28.9	ug/L	10.9	3.3	5		12/28/18 09:00	179601-23-1	
o-Xylene	5.9	ug/L	5.2	1.6	5		12/28/18 09:00	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		5		12/28/18 09:00	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40181397

Sample: MW-7 **Lab ID: 40181397002** Collected: 12/20/18 11:30 Received: 12/21/18 14:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	79.2	ug/L	25.5	7.6	25		12/27/18 19:04	71-43-2	
Ethylbenzene	2690	ug/L	27.5	8.2	25		12/27/18 19:04	100-41-4	
Methyl-tert-butyl ether	51.2	ug/L	26.8	8.0	25		12/27/18 19:04	1634-04-4	
Naphthalene	277	ug/L	42.0	12.6	25		12/27/18 19:04	91-20-3	
Toluene	648	ug/L	40.8	12.2	25		12/27/18 19:04	108-88-3	
1,2,4-Trimethylbenzene	1250	ug/L	28.5	8.6	25		12/27/18 19:04	95-63-6	
1,3,5-Trimethylbenzene	304	ug/L	27.2	8.2	25		12/27/18 19:04	108-67-8	
m&p-Xylene	2170	ug/L	54.5	16.4	25		12/27/18 19:04	179601-23-1	
o-Xylene	395	ug/L	26.2	7.9	25		12/27/18 19:04	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		25		12/27/18 19:04	98-08-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40181397

QC Batch: 310176 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40181397001, 40181397002

METHOD BLANK: 1811276 Matrix: Water

Associated Lab Samples: 40181397001, 40181397002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.34	1.1	12/27/18 13:07	
1,3,5-Trimethylbenzene	ug/L	<0.33	1.1	12/27/18 13:07	
Benzene	ug/L	<0.31	1.0	12/27/18 13:07	
Ethylbenzene	ug/L	<0.33	1.1	12/27/18 13:07	
m&p-Xylene	ug/L	<0.66	2.2	12/27/18 13:07	
Methyl-tert-butyl ether	ug/L	<0.32	1.1	12/27/18 13:07	
Naphthalene	ug/L	<0.51	1.7	12/27/18 13:07	
o-Xylene	ug/L	<0.32	1.0	12/27/18 13:07	
Toluene	ug/L	<0.49	1.6	12/27/18 13:07	
a,a,a-Trifluorotoluene (S)	%	97	80-120	12/27/18 13:07	

LABORATORY CONTROL SAMPLE & LCSD: 1811277 1811278

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.3	20.5	101	102	80-120	1	20	
1,3,5-Trimethylbenzene	ug/L	20	19.8	19.9	99	100	80-120	1	20	
Benzene	ug/L	20	19.8	19.8	99	99	80-120	0	20	
Ethylbenzene	ug/L	20	20.3	20.2	101	101	80-120	0	20	
m&p-Xylene	ug/L	40	39.7	39.9	99	100	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	20.4	20.3	102	101	80-120	1	20	
Naphthalene	ug/L	20	20.7	21.1	103	106	80-120	2	20	
o-Xylene	ug/L	20	19.8	19.9	99	100	80-120	0	20	
Toluene	ug/L	20	19.9	19.8	99	99	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				98	98	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1811721 1811722

Parameter	Units	40181285001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	2.0	20	20	22.9	22.2	105	101	51-160	3	20	
1,3,5-Trimethylbenzene	ug/L	0.48J	20	20	21.1	20.1	103	98	56-146	5	20	
Benzene	ug/L	13.7	20	20	32.9	34.5	96	104	71-137	5	20	
Ethylbenzene	ug/L	18.2	20	20	38.8	40.8	103	113	71-141	5	20	
m&p-Xylene	ug/L	2.5	40	40	43.9	43.3	103	102	66-141	1	20	
Methyl-tert-butyl ether	ug/L	<0.32	20	20	20.4	20.5	102	103	80-120	0	20	
Naphthalene	ug/L	67.1	20	20	88.1	91.8	105	123	67-138	4	20	
o-Xylene	ug/L	6.3	20	20	26.7	26.8	102	103	75-133	0	20	
Toluene	ug/L	0.85J	20	20	21.5	21.4	103	103	76-134	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40181397

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1811721												1811722			
Parameter	Units	40181285001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.		Result		Result							
a,a,a-Trifluorotoluene (S)	%								97	97	80-120				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: SUGGAR PROPERTY

Pace Project No.: 40181397

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUGGAR PROPERTY

Pace Project No.: 40181397

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40181397001	MW-6	WI MOD GRO	310176		
40181397002	MW-7	WI MOD GRO	310176		

REPORT OF LABORATORY ANALYSIS

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Sample Preservation Receipt Form

Client Name: MEC

Project # 40181397

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

Pace Lab #	Glass						Plastic						Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH 52	NaOH+Zn Act pH 28	NaOH pH 212	HNO3 pH 52	pH after adjusted	Volume (mL)						
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU								WPFU	SP5T	ZPLC	GN		
001																																			2.5 / 5 / 10
002																																			2.5 / 5 / 10
003																																			2.5 / 5 / 10
004																																			2.5 / 5 / 10
005																																			2.5 / 5 / 10
006																																			2.5 / 5 / 10
007																																			2.5 / 5 / 10
008																																			2.5 / 5 / 10
009																																			2.5 / 5 / 10
010																																			2.5 / 5 / 10
011																																			2.5 / 5 / 10
012																																			2.5 / 5 / 10
013																																			2.5 / 5 / 10
014																																			2.5 / 5 / 10
015																																			2.5 / 5 / 10
016																																			2.5 / 5 / 10
017																																			2.5 / 5 / 10
018																																			2.5 / 5 / 10
019																																			2.5 / 5 / 10
020																																			2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:

Headspace in VOA Vials (>6mm) : Yes No N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	



1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document Revised: 25Apr2018

Document No.:
F-GB-C-031-Rev.07

Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: MEC

WO#: **40181397**

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____



Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR-NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: _____ / Corr: 20

Temp Blank Present: yes no Biological Tissue Is Frozen: yes no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 12/21/18
Initials: [Signature]

Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>invoice to project #</u> <u>[Signature]</u>
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt <input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: <input type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>ID'S only</u> <u>[Signature]</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>	
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____	

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 12-21-18

June 19, 2019

Sean Cranley
Midwest Environmental Consulting
N6395 E. Paradise Rd
Burlington, WI 53105

RE: Project: SUGGAR PROPERTY
Pace Project No.: 40189543

Dear Sean Cranley:

Enclosed are the analytical results for sample(s) received by the laboratory on June 15, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40189543001	MW-1	Water	06/13/19 15:05	06/15/19 08:10
40189543002	MW-2	Water	06/13/19 15:00	06/15/19 08:10
40189543003	MW-3	Water	06/13/19 14:30	06/15/19 08:10
40189543004	MW-4	Water	06/13/19 14:15	06/15/19 08:10
40189543005	MW-5	Water	06/13/19 14:20	06/15/19 08:10
40189543006	MW-6	Water	06/13/19 15:40	06/15/19 08:10
40189543007	MW-7	Water	06/13/19 15:30	06/15/19 08:10

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SAMPLE ANALYTE COUNT

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40189543001	MW-1	WI MOD GRO	ALD	10	PASI-G
40189543002	MW-2	WI MOD GRO	ALD	10	PASI-G
40189543003	MW-3	WI MOD GRO	ALD	10	PASI-G
40189543004	MW-4	WI MOD GRO	ALD	10	PASI-G
40189543005	MW-5	WI MOD GRO	ALD	10	PASI-G
40189543006	MW-6	WI MOD GRO	ALD	10	PASI-G
40189543007	MW-7	WI MOD GRO	ALD	10	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189543001	MW-1					
WI MOD GRO	Benzene	1.9J	ug/L	2.0	06/18/19 17:17	
WI MOD GRO	Ethylbenzene	1680	ug/L	22.0	06/19/19 10:53	
WI MOD GRO	Methyl-tert-butyl ether	6.1	ug/L	2.1	06/18/19 17:17	
WI MOD GRO	Naphthalene	4.9	ug/L	3.4	06/18/19 17:17	
WI MOD GRO	Toluene	5.5	ug/L	3.3	06/18/19 17:17	
WI MOD GRO	1,2,4-Trimethylbenzene	84.6	ug/L	2.3	06/18/19 17:17	
WI MOD GRO	1,3,5-Trimethylbenzene	1.5J	ug/L	2.2	06/18/19 17:17	
WI MOD GRO	m&p-Xylene	329	ug/L	4.4	06/18/19 17:17	
WI MOD GRO	o-Xylene	36.1	ug/L	2.1	06/18/19 17:17	
40189543003	MW-3					
WI MOD GRO	Benzene	1.8J	ug/L	5.1	06/18/19 14:43	
WI MOD GRO	Ethylbenzene	1170	ug/L	5.5	06/18/19 14:43	
WI MOD GRO	Methyl-tert-butyl ether	6.2	ug/L	5.4	06/18/19 14:43	
WI MOD GRO	Naphthalene	4.8J	ug/L	8.4	06/18/19 14:43	
WI MOD GRO	Toluene	4.6J	ug/L	8.2	06/18/19 14:43	
WI MOD GRO	1,2,4-Trimethylbenzene	809	ug/L	5.7	06/18/19 14:43	
WI MOD GRO	1,3,5-Trimethylbenzene	15.2	ug/L	5.4	06/18/19 14:43	
WI MOD GRO	m&p-Xylene	814	ug/L	10.9	06/18/19 14:43	
WI MOD GRO	o-Xylene	16.1	ug/L	5.2	06/18/19 14:43	
40189543006	MW-6					
WI MOD GRO	Benzene	1.7J	ug/L	2.0	06/19/19 11:19	
WI MOD GRO	Ethylbenzene	153	ug/L	2.2	06/19/19 11:19	
WI MOD GRO	Methyl-tert-butyl ether	5.2	ug/L	2.1	06/19/19 11:19	
WI MOD GRO	Naphthalene	19.6	ug/L	3.4	06/19/19 11:19	
WI MOD GRO	Toluene	4.8	ug/L	3.3	06/19/19 11:19	
WI MOD GRO	1,2,4-Trimethylbenzene	2.3	ug/L	2.3	06/19/19 11:19	
WI MOD GRO	1,3,5-Trimethylbenzene	16.0	ug/L	2.2	06/19/19 11:19	
WI MOD GRO	m&p-Xylene	7.9	ug/L	4.4	06/19/19 11:19	
WI MOD GRO	o-Xylene	1.9J	ug/L	2.1	06/19/19 11:19	
40189543007	MW-7					
WI MOD GRO	Benzene	42.6	ug/L	5.1	06/18/19 15:09	
WI MOD GRO	Ethylbenzene	1440	ug/L	5.5	06/18/19 15:09	
WI MOD GRO	Methyl-tert-butyl ether	21.2	ug/L	5.4	06/18/19 15:09	
WI MOD GRO	Naphthalene	127	ug/L	8.4	06/18/19 15:09	
WI MOD GRO	Toluene	475	ug/L	8.2	06/18/19 15:09	
WI MOD GRO	1,2,4-Trimethylbenzene	663	ug/L	5.7	06/18/19 15:09	
WI MOD GRO	1,3,5-Trimethylbenzene	166	ug/L	5.4	06/18/19 15:09	
WI MOD GRO	m&p-Xylene	1110	ug/L	10.9	06/18/19 15:09	
WI MOD GRO	o-Xylene	295	ug/L	5.2	06/18/19 15:09	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

Sample: MW-1 **Lab ID: 40189543001** Collected: 06/13/19 15:05 Received: 06/15/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	1.9J	ug/L	2.0	0.61	2		06/18/19 17:17	71-43-2	
Ethylbenzene	1680	ug/L	22.0	6.6	20		06/19/19 10:53	100-41-4	
Methyl-tert-butyl ether	6.1	ug/L	2.1	0.64	2		06/18/19 17:17	1634-04-4	
Naphthalene	4.9	ug/L	3.4	1.0	2		06/18/19 17:17	91-20-3	
Toluene	5.5	ug/L	3.3	0.98	2		06/18/19 17:17	108-88-3	
1,2,4-Trimethylbenzene	84.6	ug/L	2.3	0.68	2		06/18/19 17:17	95-63-6	
1,3,5-Trimethylbenzene	1.5J	ug/L	2.2	0.66	2		06/18/19 17:17	108-67-8	
m&p-Xylene	329	ug/L	4.4	1.3	2		06/18/19 17:17	179601-23-1	
o-Xylene	36.1	ug/L	2.1	0.63	2		06/18/19 17:17	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		2		06/18/19 17:17	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

Sample: MW-2 **Lab ID: 40189543002** Collected: 06/13/19 15:00 Received: 06/15/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	<0.31	ug/L	1.0	0.31	1		06/18/19 10:00	71-43-2	
Ethylbenzene	<0.33	ug/L	1.1	0.33	1		06/18/19 10:00	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.1	0.32	1		06/18/19 10:00	1634-04-4	
Naphthalene	<0.51	ug/L	1.7	0.51	1		06/18/19 10:00	91-20-3	
Toluene	<0.49	ug/L	1.6	0.49	1		06/18/19 10:00	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.1	0.34	1		06/18/19 10:00	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.1	0.33	1		06/18/19 10:00	108-67-8	
m&p-Xylene	<0.66	ug/L	2.2	0.66	1		06/18/19 10:00	179601-23-1	
o-Xylene	<0.32	ug/L	1.0	0.32	1		06/18/19 10:00	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		06/18/19 10:00	98-08-8	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

Sample: MW-3 **Lab ID: 40189543003** Collected: 06/13/19 14:30 Received: 06/15/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	1.8J	ug/L	5.1	1.5	5		06/18/19 14:43	71-43-2	
Ethylbenzene	1170	ug/L	5.5	1.6	5		06/18/19 14:43	100-41-4	
Methyl-tert-butyl ether	6.2	ug/L	5.4	1.6	5		06/18/19 14:43	1634-04-4	
Naphthalene	4.8J	ug/L	8.4	2.5	5		06/18/19 14:43	91-20-3	
Toluene	4.6J	ug/L	8.2	2.4	5		06/18/19 14:43	108-88-3	
1,2,4-Trimethylbenzene	809	ug/L	5.7	1.7	5		06/18/19 14:43	95-63-6	
1,3,5-Trimethylbenzene	15.2	ug/L	5.4	1.6	5		06/18/19 14:43	108-67-8	
m&p-Xylene	814	ug/L	10.9	3.3	5		06/18/19 14:43	179601-23-1	
o-Xylene	16.1	ug/L	5.2	1.6	5		06/18/19 14:43	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		5		06/18/19 14:43	98-08-8	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

Sample: MW-4 **Lab ID: 40189543004** Collected: 06/13/19 14:15 Received: 06/15/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	<0.31	ug/L	1.0	0.31	1		06/18/19 10:26	71-43-2	
Ethylbenzene	<0.33	ug/L	1.1	0.33	1		06/18/19 10:26	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.1	0.32	1		06/18/19 10:26	1634-04-4	
Naphthalene	<0.51	ug/L	1.7	0.51	1		06/18/19 10:26	91-20-3	
Toluene	<0.49	ug/L	1.6	0.49	1		06/18/19 10:26	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.1	0.34	1		06/18/19 10:26	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.1	0.33	1		06/18/19 10:26	108-67-8	
m&p-Xylene	<0.66	ug/L	2.2	0.66	1		06/18/19 10:26	179601-23-1	
o-Xylene	<0.32	ug/L	1.0	0.32	1		06/18/19 10:26	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		06/18/19 10:26	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

Sample: MW-5 **Lab ID: 40189543005** Collected: 06/13/19 14:20 Received: 06/15/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	<0.31	ug/L	1.0	0.31	1		06/18/19 10:52	71-43-2	
Ethylbenzene	<0.33	ug/L	1.1	0.33	1		06/18/19 10:52	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.1	0.32	1		06/18/19 10:52	1634-04-4	
Naphthalene	<0.51	ug/L	1.7	0.51	1		06/18/19 10:52	91-20-3	
Toluene	<0.49	ug/L	1.6	0.49	1		06/18/19 10:52	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.1	0.34	1		06/18/19 10:52	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.1	0.33	1		06/18/19 10:52	108-67-8	
m&p-Xylene	<0.66	ug/L	2.2	0.66	1		06/18/19 10:52	179601-23-1	
o-Xylene	<0.32	ug/L	1.0	0.32	1		06/18/19 10:52	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		06/18/19 10:52	98-08-8	

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

Sample: MW-6 **Lab ID: 40189543006** Collected: 06/13/19 15:40 Received: 06/15/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	1.7J	ug/L	2.0	0.61	2		06/19/19 11:19	71-43-2	
Ethylbenzene	153	ug/L	2.2	0.66	2		06/19/19 11:19	100-41-4	
Methyl-tert-butyl ether	5.2	ug/L	2.1	0.64	2		06/19/19 11:19	1634-04-4	
Naphthalene	19.6	ug/L	3.4	1.0	2		06/19/19 11:19	91-20-3	
Toluene	4.8	ug/L	3.3	0.98	2		06/19/19 11:19	108-88-3	
1,2,4-Trimethylbenzene	2.3	ug/L	2.3	0.68	2		06/19/19 11:19	95-63-6	
1,3,5-Trimethylbenzene	16.0	ug/L	2.2	0.66	2		06/19/19 11:19	108-67-8	
m&p-Xylene	7.9	ug/L	4.4	1.3	2		06/19/19 11:19	179601-23-1	
o-Xylene	1.9J	ug/L	2.1	0.63	2		06/19/19 11:19	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	107	%	80-120		2		06/19/19 11:19	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

Sample: MW-7 **Lab ID: 40189543007** Collected: 06/13/19 15:30 Received: 06/15/19 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Benzene	42.6	ug/L	5.1	1.5	5		06/18/19 15:09	71-43-2	
Ethylbenzene	1440	ug/L	5.5	1.6	5		06/18/19 15:09	100-41-4	
Methyl-tert-butyl ether	21.2	ug/L	5.4	1.6	5		06/18/19 15:09	1634-04-4	
Naphthalene	127	ug/L	8.4	2.5	5		06/18/19 15:09	91-20-3	
Toluene	475	ug/L	8.2	2.4	5		06/18/19 15:09	108-88-3	
1,2,4-Trimethylbenzene	663	ug/L	5.7	1.7	5		06/18/19 15:09	95-63-6	
1,3,5-Trimethylbenzene	166	ug/L	5.4	1.6	5		06/18/19 15:09	108-67-8	
m&p-Xylene	1110	ug/L	10.9	3.3	5		06/18/19 15:09	179601-23-1	
o-Xylene	295	ug/L	5.2	1.6	5		06/18/19 15:09	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	109	%	80-120		5		06/18/19 15:09	98-08-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

QC Batch: 324751

Analysis Method: WI MOD GRO

QC Batch Method: WI MOD GRO

Analysis Description: WIGRO GCV Water

Associated Lab Samples: 40189543001, 40189543002, 40189543003, 40189543004, 40189543005, 40189543006, 40189543007

METHOD BLANK: 1885139

Matrix: Water

Associated Lab Samples: 40189543001, 40189543002, 40189543003, 40189543004, 40189543005, 40189543006, 40189543007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.34	1.1	06/18/19 08:18	
1,3,5-Trimethylbenzene	ug/L	<0.33	1.1	06/18/19 08:18	
Benzene	ug/L	<0.31	1.0	06/18/19 08:18	
Ethylbenzene	ug/L	<0.33	1.1	06/18/19 08:18	
m&p-Xylene	ug/L	<0.66	2.2	06/18/19 08:18	
Methyl-tert-butyl ether	ug/L	<0.32	1.1	06/18/19 08:18	
Naphthalene	ug/L	<0.51	1.7	06/18/19 08:18	
o-Xylene	ug/L	<0.32	1.0	06/18/19 08:18	
Toluene	ug/L	<0.49	1.6	06/18/19 08:18	
a,a,a-Trifluorotoluene (S)	%	104	80-120	06/18/19 08:18	

LABORATORY CONTROL SAMPLE & LCSD: 1885140

1885141

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	19.5	19.5	97	98	80-120	0	20	
1,3,5-Trimethylbenzene	ug/L	20	19.6	19.7	98	99	80-120	1	20	
Benzene	ug/L	20	20.4	20.4	102	102	80-120	0	20	
Ethylbenzene	ug/L	20	19.8	20.0	99	100	80-120	1	20	
m&p-Xylene	ug/L	40	39.6	39.9	99	100	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	19.0	19.2	95	96	80-120	1	20	
Naphthalene	ug/L	20	18.2	18.6	91	93	80-120	2	20	
o-Xylene	ug/L	20	19.9	19.9	99	99	80-120	0	20	
Toluene	ug/L	20	20.2	20.3	101	101	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				102	103	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1885471

1885472

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40189543002 Result	Spike Conc.	Spike Conc.	MS Result						
1,2,4-Trimethylbenzene	ug/L	<0.34	20	20	17.1	17.1	86	85	72-135	0	20
1,3,5-Trimethylbenzene	ug/L	<0.33	20	20	17.7	17.6	88	88	67-134	0	20
Benzene	ug/L	<0.31	20	20	21.2	21.0	106	105	80-122	1	20
Ethylbenzene	ug/L	<0.33	20	20	20.1	19.7	101	98	80-129	2	20
m&p-Xylene	ug/L	<0.66	40	40	38.9	38.2	97	96	80-124	2	20
Methyl-tert-butyl ether	ug/L	<0.32	20	20	19.9	19.4	100	97	80-120	3	20
Naphthalene	ug/L	<0.51	20	20	18.1	17.5	90	87	78-132	3	20
o-Xylene	ug/L	<0.32	20	20	19.8	19.6	99	98	80-124	1	20
Toluene	ug/L	<0.49	20	20	20.8	20.7	104	103	80-122	1	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1885471 1885472												
Parameter	Units	40189543002 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
a,a,a-Trifluorotoluene (S)	%						102	101	80-120			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUGGAR PROPERTY

Pace Project No.: 40189543

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189543001	MW-1	WI MOD GRO	324751		
40189543002	MW-2	WI MOD GRO	324751		
40189543003	MW-3	WI MOD GRO	324751		
40189543004	MW-4	WI MOD GRO	324751		
40189543005	MW-5	WI MOD GRO	324751		
40189543006	MW-6	WI MOD GRO	324751		
40189543007	MW-7	WI MOD GRO	324751		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Midwest Env. Consulting
 Branch/Location: Burlington, WI
 Project Contact: Sean Cranley
 Phone: 262-237-4351
 Project Number: _____
 Project Name: Sugar Property
 Project State: WI
 Sampled By (Print): Sean Cranley
 Sampled By (Sign): [Signature]
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1
 40189543
 Page 17 of 19

CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE):

DATE	TIME	MATRIX	INITIALS	DATE	TIME	MATRIX	INITIALS
6/13/19	1505	GW	X				
	1500						
	1430						
	1415						
	1420						
	1540						
	1530						

FILTERED? YES
 PRESERVATION CODE: PVOCS, NapH
 X
 ✓

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biot B = Drinking Water
 C = Charcoal DW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

FACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-1	6/13/19	1505	GW
002	MW-2		1500	
003	MW-3		1430	
004	MW-4		1415	
005	MW-5		1420	
006	MW-6		1540	
007	MW-7		1530	

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	ps	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed: _____ Transmit Prelim Rush Results by (complete what you want): _____ Email #1: <u>mwenvirocon@gmail.com</u> Email #2: _____ Telephone: _____ Fax: _____ Samples on HOLD are subject to special pricing and release of liability	Relinquished By: <u>[Signature]</u> Date/Time: <u>6/14/19 11:28</u>	Received By: <u>Mary Janni</u> Date/Time: <u>6/14/19 11:28</u>	PACE Project No. <u>40189543</u> Receipt Temp = <u>DAF</u> °C Sample Receipt pH <u>OK / Adjusted</u> Chain Custody Seal <u>Present / Not Present</u> <u>Intact / Not Intact</u>
	Relinquished By: <u>Mary Janni</u> Date/Time: <u>6/14/19 13:10</u>	Received By: _____ Date/Time: _____	
	Relinquished By: <u>CS Logistics</u> Date/Time: <u>6/15/19 8:10</u>	Received By: <u>Jose Puce</u> Date/Time: <u>6/15/19 8:10</u>	
	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	

January 29, 2020

Sean Cranley
Midwest Environmental Consulting
N6395 E. Paradise Dr
Burlington, WI 53105

RE: Project: SUGGAR PROPERTY
Pace Project No.: 40202389

Dear Sean Cranley:

Enclosed are the analytical results for sample(s) received by the laboratory on January 24, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: SUGGAR PROPERTY

Pace Project No.: 40202389

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: SUGGAR PROPERTY

Pace Project No.: 40202389

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40202389001	MW-9	Water	01/22/20 13:15	01/24/20 08:35

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SUGGAR PROPERTY

Pace Project No.: 40202389

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40202389001	MW-9	EPA 8260	LAP	13	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SUGGAR PROPERTY
Pace Project No.: 40202389

Sample: MW-9 **Lab ID: 40202389001** Collected: 01/22/20 13:15 Received: 01/24/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		01/28/20 20:28	71-43-2	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		01/28/20 20:28	100-41-4	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		01/28/20 20:28	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		01/28/20 20:28	91-20-3	
Toluene	<0.17	ug/L	5.0	0.17	1		01/28/20 20:28	108-88-3	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		01/28/20 20:28	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		01/28/20 20:28	108-67-8	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		01/28/20 20:28	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		01/28/20 20:28	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		01/28/20 20:28	95-47-6	
Surrogates									
Dibromofluoromethane (S)	112	%	70-130		1		01/28/20 20:28	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		01/28/20 20:28	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130		1		01/28/20 20:28	460-00-4	

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY
Pace Project No.: 40202389

QC Batch: 346321 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 40202389001

METHOD BLANK: 2009102 Matrix: Water
Associated Lab Samples: 40202389001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	01/28/20 14:57	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	01/28/20 14:57	
Benzene	ug/L	<0.25	1.0	01/28/20 14:57	
Ethylbenzene	ug/L	<0.22	1.0	01/28/20 14:57	
m&p-Xylene	ug/L	<0.47	2.0	01/28/20 14:57	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	01/28/20 14:57	
Naphthalene	ug/L	<1.2	5.0	01/28/20 14:57	
o-Xylene	ug/L	<0.26	1.0	01/28/20 14:57	
Toluene	ug/L	<0.17	5.0	01/28/20 14:57	
Xylene (Total)	ug/L	<1.5	3.0	01/28/20 14:57	
4-Bromofluorobenzene (S)	%	83	70-130	01/28/20 14:57	
Dibromofluoromethane (S)	%	105	70-130	01/28/20 14:57	
Toluene-d8 (S)	%	106	70-130	01/28/20 14:57	

LABORATORY CONTROL SAMPLE: 2009103

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	54.3	109	70-130	
Ethylbenzene	ug/L	50	54.0	108	80-124	
m&p-Xylene	ug/L	100	110	110	70-130	
Methyl-tert-butyl ether	ug/L	50	36.1	72	54-137	
o-Xylene	ug/L	50	54.3	109	70-130	
Toluene	ug/L	50	55.6	111	80-126	
Xylene (Total)	ug/L	150	165	110	70-130	
4-Bromofluorobenzene (S)	%			92	70-130	
Dibromofluoromethane (S)	%			91	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2009191 2009192

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40202472004	Result	Spike Conc.	MSD Spike Conc.								
Benzene	ug/L	<0.25	50	50	54.8	53.7	110	107	70-130	2	20		
Ethylbenzene	ug/L	<0.22	50	50	53.4	54.1	107	108	80-125	1	20		
m&p-Xylene	ug/L	<0.47	100	100	109	108	109	108	70-130	1	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	36.3	36.5	73	73	51-145	1	20		
o-Xylene	ug/L	<0.26	50	50	53.6	53.5	107	107	70-130	0	20		
Toluene	ug/L	0.58J	50	50	54.0	55.4	107	110	80-131	3	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SUGGAR PROPERTY

Pace Project No.: 40202389

Parameter	Units	2009191		2009192		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40202472004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Xylene (Total)	ug/L	<1.5	150	150	163	161	108	107	70-130	1	20		
4-Bromofluorobenzene (S)	%						95	95	70-130				
Dibromofluoromethane (S)	%						95	97	70-130				
Toluene-d8 (S)	%						105	106	70-130				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: SUGGAR PROPERTY

Pace Project No.: 40202389

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SUGGAR PROPERTY

Pace Project No.: 40202389

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40202389001	MW-9	EPA 8260	346321		

REPORT OF LABORATORY ANALYSIS

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Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: M. J. S. F. Environmental Consultants Project # 40200889

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:


Date/ Time:

Pace Lab #	Glass						Plastic						Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤	pH after adjusted	Volume (mL)									
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU								WPFU	SP5T	ZPLC	GN					
001																																						2.5 / 5 / 10
002																																						2.5 / 5 / 10
003																																						2.5 / 5 / 10
004																																						2.5 / 5 / 10
005																																						2.5 / 5 / 10
006																																						2.5 / 5 / 10
007																																						2.5 / 5 / 10
008																																						2.5 / 5 / 10
009																																						2.5 / 5 / 10
010																																						2.5 / 5 / 10
011																																						2.5 / 5 / 10
012																																						2.5 / 5 / 10
013																																						2.5 / 5 / 10
014																																						2.5 / 5 / 10
015																																						2.5 / 5 / 10
016																																						2.5 / 5 / 10
017																																						2.5 / 5 / 10
018																																						2.5 / 5 / 10
019																																						2.5 / 5 / 10
020																																						2.5 / 5 / 10

129-20 BR

Exceptions to preservation check: VOA, Soliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm): Yes No N/A *If yes look in headspace column

AG1U 1 liter amber glass	BP1U 1 liter plastic unpres	DG9A 40 mL amber ascorbic	JGFU 4 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP2N 500 mL plastic HNO3	DG9T 40 mL amber Na Thio	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP2Z 500 mL plastic NaOH, Znact	VG9U 40 mL clear vial unpres	WPFU 4 oz plastic jar unpres
AG4U 120 mL amber glass unpres	BP3U 250 mL plastic unpres	VG9H 40 mL clear vial HCL	
AG5U 100 mL amber glass unpres	BP3B 250 mL plastic NaOH	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG2S 500 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9D 40 mL clear vial DI	ZPLC ziploc bag
BG3U 250 mL clear glass unpres	BP3S 250 mL plastic H2SO4		GN:

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: _____

Client Name: M. J. West Env. Consulting
 Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

WO#: **40202389**



Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR-96 Type of Ice: Blue Dry None

Samples on Ice, cooling process has begun

Cooler Temperature Uncorr: 1.0 / Corr: 1.5

Temp Blank Present: yes no

Biological Tissue Is Frozen: yes no

Person examining contents:
 Date: 1-24-20
 Initials: BK

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>1-24-20 BK</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>email, Invoice, information</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
- Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
- Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>NO dates or times sample 001.</u>
- Includes date/time/ID/Analysis Matrix:	<u>W/ 1-24-20 BK</u>	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments


Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

BK

Date: 1/24/20

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Midwest Consulting Project #: WO#: 40189543
 Courier: CS Logistics Fed Ex Speedee UPS Walto
 Client Pace Other: _____
 Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
 Custody Seal on Samples Present: yes no Seals intact: yes no
 Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer Used: SR - N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
 Cooler Temperature: Uncorr: N/A /Corr: _____
 Temp Blank Present: yes no Biological Tissue is Frozen: yes no
 Temp should be above freezing to 6°C. Blota Samples may be received at ≤ 0°C.

Person examining contents:
 Date: 6/15/2019
 Initials: JL

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>NO MAIL / INVOICE 6/15/2019</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>only sample ID and Project name 6/15/19</u>
-Includes date/time/ID/Analysis Matrix	<u>W</u>	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: use project name to identify project 6/15/19 JL

Project Manager Review: [Signature] Date: 6/17/19
 Page 2 of 2
Page 19 of 19

June 14, 2018

Sean Cranley
Midwest Environmental Consulting
N6395 E Paradise Road
Burlington, WI 53105

RE: Project: Suggar Property
Pace Project No.: 10434400

Dear Sean Cranley:

Enclosed are the analytical results for sample(s) received by the laboratory on June 07, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: Suggar Property

Pace Project No.: 10434400

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: MN00064

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DW Certification #: 9952 C

West Virginia DEP Certification #: 382

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Suggar Property

Pace Project No.: 10434400

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10434400001	VP-1	Air	06/06/18 11:33	06/07/18 13:05

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Suggar Property

Pace Project No.: 10434400

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10434400001	VP-1	TO-15	MJL	61

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Suggar Property

Pace Project No.: 10434400

Sample: VP-1 Lab ID: 10434400001 Collected: 06/06/18 11:33 Received: 06/07/18 13:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	150	ug/m3	4.2	2.6	1.75		06/11/18 07:26	67-64-1	
Benzene	3.7	ug/m3	0.57	0.26	1.75		06/11/18 07:26	71-43-2	
Benzyl chloride	<0.41	ug/m3	4.6	0.41	1.75		06/11/18 07:26	100-44-7	
Bromodichloromethane	<0.62	ug/m3	2.4	0.62	1.75		06/11/18 07:26	75-27-4	
Bromoform	<1.2	ug/m3	9.2	1.2	1.75		06/11/18 07:26	75-25-2	
Bromomethane	<0.36	ug/m3	1.4	0.36	1.75		06/11/18 07:26	74-83-9	
1,3-Butadiene	<0.36	ug/m3	0.79	0.36	1.75		06/11/18 07:26	106-99-0	
2-Butanone (MEK)	16.8	ug/m3	5.2	0.36	1.75		06/11/18 07:26	78-93-3	
Carbon disulfide	3.1	ug/m3	1.1	0.31	1.75		06/11/18 07:26	75-15-0	
Carbon tetrachloride	0.69J	ug/m3	1.1	0.56	1.75		06/11/18 07:26	56-23-5	
Chlorobenzene	<0.31	ug/m3	1.6	0.31	1.75		06/11/18 07:26	108-90-7	
Chloroethane	<0.36	ug/m3	0.94	0.36	1.75		06/11/18 07:26	75-00-3	
Chloroform	5.1	ug/m3	0.87	0.40	1.75		06/11/18 07:26	67-66-3	
Chloromethane	1.1	ug/m3	0.74	0.23	1.75		06/11/18 07:26	74-87-3	
Cyclohexane	<0.40	ug/m3	1.2	0.40	1.75		06/11/18 07:26	110-82-7	
Dibromochloromethane	<0.77	ug/m3	3.0	0.77	1.75		06/11/18 07:26	124-48-1	
1,2-Dibromoethane (EDB)	<0.58	ug/m3	2.7	0.58	1.75		06/11/18 07:26	106-93-4	
1,2-Dichlorobenzene	<0.57	ug/m3	2.1	0.57	1.75		06/11/18 07:26	95-50-1	
1,3-Dichlorobenzene	<0.82	ug/m3	2.1	0.82	1.75		06/11/18 07:26	541-73-1	
1,4-Dichlorobenzene	<0.38	ug/m3	2.1	0.38	1.75		06/11/18 07:26	106-46-7	
Dichlorodifluoromethane	2.7	ug/m3	1.8	0.73	1.75		06/11/18 07:26	75-71-8	
1,1-Dichloroethane	<0.37	ug/m3	1.4	0.37	1.75		06/11/18 07:26	75-34-3	
1,2-Dichloroethane	<0.35	ug/m3	0.72	0.35	1.75		06/11/18 07:26	107-06-2	
1,1-Dichloroethene	<0.41	ug/m3	1.4	0.41	1.75		06/11/18 07:26	75-35-4	
cis-1,2-Dichloroethene	<0.60	ug/m3	1.4	0.60	1.75		06/11/18 07:26	156-59-2	
trans-1,2-Dichloroethene	<0.52	ug/m3	1.4	0.52	1.75		06/11/18 07:26	156-60-5	
1,2-Dichloropropane	<0.54	ug/m3	1.6	0.54	1.75		06/11/18 07:26	78-87-5	
cis-1,3-Dichloropropene	<0.43	ug/m3	1.6	0.43	1.75		06/11/18 07:26	10061-01-5	
trans-1,3-Dichloropropene	<0.74	ug/m3	1.6	0.74	1.75		06/11/18 07:26	10061-02-6	
Dichlorotetrafluoroethane	<0.77	ug/m3	2.5	0.77	1.75		06/11/18 07:26	76-14-2	
Ethanol	455	ug/m3	50.3	24.4	52.5		06/11/18 15:40	64-17-5	
Ethyl acetate	<0.34	ug/m3	1.3	0.34	1.75		06/11/18 07:26	141-78-6	
Ethylbenzene	3.8	ug/m3	1.5	0.30	1.75		06/11/18 07:26	100-41-4	
4-Ethyltoluene	3.3	ug/m3	1.7	0.37	1.75		06/11/18 07:26	622-96-8	
n-Heptane	17.8	ug/m3	1.5	0.37	1.75		06/11/18 07:26	142-82-5	
Hexachloro-1,3-butadiene	<1.5	ug/m3	3.8	1.5	1.75		06/11/18 07:26	87-68-3	
n-Hexane	6.2	ug/m3	1.3	0.58	1.75		06/11/18 07:26	110-54-3	
2-Hexanone	<1.1	ug/m3	7.3	1.1	1.75		06/11/18 07:26	591-78-6	
Methylene Chloride	3.1J	ug/m3	6.2	2.7	1.75		06/11/18 07:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.62	ug/m3	7.3	0.62	1.75		06/11/18 07:26	108-10-1	
Methyl-tert-butyl ether	<1.2	ug/m3	6.4	1.2	1.75		06/11/18 07:26	1634-04-4	
Naphthalene	28.6	ug/m3	4.7	1.0	1.75		06/11/18 07:26	91-20-3	
2-Propanol	17.4	ug/m3	4.4	2.2	1.75		06/11/18 07:26	67-63-0	
Propylene	77.4	ug/m3	18.4	8.2	52.5		06/11/18 15:40	115-07-1	
Styrene	<0.29	ug/m3	1.5	0.29	1.75		06/11/18 07:26	100-42-5	
1,1,2,2-Tetrachloroethane	<0.51	ug/m3	1.2	0.51	1.75		06/11/18 07:26	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Suggar Property

Pace Project No.: 10434400

Sample: VP-1 **Lab ID: 10434400001** Collected: 06/06/18 11:33 Received: 06/07/18 13:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Tetrachloroethene	918	ug/m3	36.2	15.1	52.5		06/11/18 15:40	127-18-4	
Tetrahydrofuran	<0.48	ug/m3	1.0	0.48	1.75		06/11/18 07:26	109-99-9	
Toluene	28.3	ug/m3	1.3	0.28	1.75		06/11/18 07:26	108-88-3	
1,2,4-Trichlorobenzene	<1.7	ug/m3	6.6	1.7	1.75		06/11/18 07:26	120-82-1	
1,1,1-Trichloroethane	<0.60	ug/m3	1.9	0.60	1.75		06/11/18 07:26	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/m3	0.97	0.39	1.75		06/11/18 07:26	79-00-5	
Trichloroethene	1.1	ug/m3	0.96	0.47	1.75		06/11/18 07:26	79-01-6	
Trichlorofluoromethane	3.2	ug/m3	2.0	0.73	1.75		06/11/18 07:26	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.72J	ug/m3	2.7	0.65	1.75		06/11/18 07:26	76-13-1	
1,2,4-Trimethylbenzene	10.9	ug/m3	1.7	0.30	1.75		06/11/18 07:26	95-63-6	
1,3,5-Trimethylbenzene	7.3	ug/m3	1.7	0.72	1.75		06/11/18 07:26	108-67-8	
Vinyl acetate	1.3	ug/m3	1.3	0.29	1.75		06/11/18 07:26	108-05-4	
Vinyl chloride	<0.22	ug/m3	0.46	0.22	1.75		06/11/18 07:26	75-01-4	
m&p-Xylene	15.6	ug/m3	3.1	0.61	1.75		06/11/18 07:26	179601-23-1	
o-Xylene	8.8	ug/m3	1.5	0.65	1.75		06/11/18 07:26	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Suggar Property
Pace Project No.: 10434400

QC Batch: 543629 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10434400001

METHOD BLANK: 2956768 Matrix: Air
Associated Lab Samples: 10434400001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.34	1.1	06/10/18 18:24	
1,1,2,2-Tetrachloroethane	ug/m3	<0.29	0.70	06/10/18 18:24	
1,1,2-Trichloroethane	ug/m3	<0.22	0.56	06/10/18 18:24	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.37	1.6	06/10/18 18:24	
1,1-Dichloroethane	ug/m3	<0.21	0.82	06/10/18 18:24	
1,1-Dichloroethene	ug/m3	<0.24	0.81	06/10/18 18:24	
1,2,4-Trichlorobenzene	ug/m3	<0.96	3.8	06/10/18 18:24	
1,2,4-Trimethylbenzene	ug/m3	<0.17	1.0	06/10/18 18:24	
1,2-Dibromoethane (EDB)	ug/m3	<0.33	1.6	06/10/18 18:24	
1,2-Dichlorobenzene	ug/m3	<0.33	1.2	06/10/18 18:24	
1,2-Dichloroethane	ug/m3	<0.20	0.41	06/10/18 18:24	
1,2-Dichloropropane	ug/m3	<0.31	0.94	06/10/18 18:24	
1,3,5-Trimethylbenzene	ug/m3	<0.41	1.0	06/10/18 18:24	
1,3-Butadiene	ug/m3	<0.21	0.45	06/10/18 18:24	
1,3-Dichlorobenzene	ug/m3	<0.47	1.2	06/10/18 18:24	
1,4-Dichlorobenzene	ug/m3	<0.22	1.2	06/10/18 18:24	
2-Butanone (MEK)	ug/m3	<0.20	3.0	06/10/18 18:24	
2-Hexanone	ug/m3	<0.61	4.2	06/10/18 18:24	
2-Propanol	ug/m3	<1.2	2.5	06/10/18 18:24	
4-Ethyltoluene	ug/m3	<0.21	1.0	06/10/18 18:24	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.36	4.2	06/10/18 18:24	
Acetone	ug/m3	<1.5	2.4	06/10/18 18:24	
Benzene	ug/m3	<0.15	0.32	06/10/18 18:24	
Benzyl chloride	ug/m3	<0.24	2.6	06/10/18 18:24	MN
Bromodichloromethane	ug/m3	<0.36	1.4	06/10/18 18:24	
Bromoform	ug/m3	<0.69	5.3	06/10/18 18:24	MN
Bromomethane	ug/m3	<0.21	0.79	06/10/18 18:24	
Carbon disulfide	ug/m3	<0.18	0.63	06/10/18 18:24	
Carbon tetrachloride	ug/m3	<0.32	0.64	06/10/18 18:24	
Chlorobenzene	ug/m3	<0.18	0.94	06/10/18 18:24	
Chloroethane	ug/m3	<0.20	0.54	06/10/18 18:24	
Chloroform	ug/m3	<0.23	0.50	06/10/18 18:24	
Chloromethane	ug/m3	<0.13	0.42	06/10/18 18:24	
cis-1,2-Dichloroethene	ug/m3	<0.34	0.81	06/10/18 18:24	
cis-1,3-Dichloropropene	ug/m3	<0.24	0.92	06/10/18 18:24	
Cyclohexane	ug/m3	<0.23	0.70	06/10/18 18:24	
Dibromochloromethane	ug/m3	<0.44	1.7	06/10/18 18:24	
Dichlorodifluoromethane	ug/m3	<0.42	1.0	06/10/18 18:24	
Dichlorotetrafluoroethane	ug/m3	<0.44	1.4	06/10/18 18:24	
Ethanol	ug/m3	<0.46	0.96	06/10/18 18:24	
Ethyl acetate	ug/m3	<0.20	0.73	06/10/18 18:24	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Suggar Property

Pace Project No.: 10434400

METHOD BLANK: 2956768

Matrix: Air

Associated Lab Samples: 10434400001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/m3	<0.17	0.88	06/10/18 18:24	
Hexachloro-1,3-butadiene	ug/m3	<0.87	2.2	06/10/18 18:24	
m&p-Xylene	ug/m3	<0.35	1.8	06/10/18 18:24	
Methyl-tert-butyl ether	ug/m3	<0.67	3.7	06/10/18 18:24	
Methylene Chloride	ug/m3	<1.5	3.5	06/10/18 18:24	
n-Heptane	ug/m3	<0.21	0.83	06/10/18 18:24	
n-Hexane	ug/m3	<0.33	0.72	06/10/18 18:24	
Naphthalene	ug/m3	<0.60	2.7	06/10/18 18:24	
o-Xylene	ug/m3	<0.37	0.88	06/10/18 18:24	
Propylene	ug/m3	<0.16	0.35	06/10/18 18:24	
Styrene	ug/m3	<0.17	0.87	06/10/18 18:24	
Tetrachloroethene	ug/m3	<0.29	0.69	06/10/18 18:24	
Tetrahydrofuran	ug/m3	<0.27	0.60	06/10/18 18:24	
Toluene	ug/m3	<0.16	0.77	06/10/18 18:24	
trans-1,2-Dichloroethene	ug/m3	<0.30	0.81	06/10/18 18:24	
trans-1,3-Dichloropropene	ug/m3	<0.42	0.92	06/10/18 18:24	
Trichloroethene	ug/m3	<0.27	0.55	06/10/18 18:24	
Trichlorofluoromethane	ug/m3	<0.42	1.1	06/10/18 18:24	
Vinyl acetate	ug/m3	<0.17	0.72	06/10/18 18:24	
Vinyl chloride	ug/m3	<0.13	0.26	06/10/18 18:24	

LABORATORY CONTROL SAMPLE: 2956769

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	59.3	54.6	92	70-135	
1,1,2,2-Tetrachloroethane	ug/m3	76.1	81.6	107	70-146	
1,1,2-Trichloroethane	ug/m3	61	60.5	99	70-135	
1,1,2-Trichlorotrifluoroethane	ug/m3	80.2	67.3	84	63-139	
1,1-Dichloroethane	ug/m3	43.6	39.3	90	70-134	
1,1-Dichloroethene	ug/m3	39.9	34.5	86	70-137	
1,2,4-Trichlorobenzene	ug/m3	81.5	71.0	87	60-133	
1,2,4-Trimethylbenzene	ug/m3	53.5	50.9	95	70-137	
1,2-Dibromoethane (EDB)	ug/m3	85.1	85.7	101	70-140	
1,2-Dichlorobenzene	ug/m3	66	63.1	96	70-137	
1,2-Dichloroethane	ug/m3	44	42.0	95	70-136	
1,2-Dichloropropane	ug/m3	51.2	47.4	93	70-136	
1,3,5-Trimethylbenzene	ug/m3	53.5	50.8	95	70-133	
1,3-Butadiene	ug/m3	22.9	23.1	101	64-141	
1,3-Dichlorobenzene	ug/m3	63.6	63.0	99	70-137	
1,4-Dichlorobenzene	ug/m3	66	65.9	100	70-134	
2-Butanone (MEK)	ug/m3	33	34.5	105	65-143	
2-Hexanone	ug/m3	45.8	49.6	108	60-148	
2-Propanol	ug/m3	26.7	30.9	116	65-135	
4-Ethyltoluene	ug/m3	54	53.8	100	70-132	

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QUALITY CONTROL DATA

Project: Suggar Property

Pace Project No.: 10434400

LABORATORY CONTROL SAMPLE: 2956769

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	45.8	46.7	102	70-135	
Acetone	ug/m3	25.8	26.2	101	59-132	
Benzene	ug/m3	35.1	30.9	88	70-134	
Benzyl chloride	ug/m3	54.7	55.6	102	56-150	
Bromodichloromethane	ug/m3	72.9	77.6	106	70-142	
Bromoform	ug/m3	111	106	96	69-150	
Bromomethane	ug/m3	40.3	36.3	90	61-141	
Carbon disulfide	ug/m3	33.2	24.6	74	66-134	
Carbon tetrachloride	ug/m3	65.2	60.8	93	60-145	
Chlorobenzene	ug/m3	51.5	48.2	94	70-130	
Chloroethane	ug/m3	26.6	26.6	100	65-143	
Chloroform	ug/m3	50.6	48.6	96	70-132	
Chloromethane	ug/m3	22.9	19.9	87	58-140	
cis-1,2-Dichloroethene	ug/m3	42.7	39.7	93	70-136	
cis-1,3-Dichloropropene	ug/m3	50.7	55.2	109	70-136	
Cyclohexane	ug/m3	35	35.2	101	70-133	
Dibromochloromethane	ug/m3	90.9	111	122	68-149	
Dichlorodifluoromethane	ug/m3	53.8	50.1	93	69-130	
Dichlorotetrafluoroethane	ug/m3	75.3	68.0	90	68-130	
Ethanol	ug/m3	20.3	26.5	131	65-146	
Ethyl acetate	ug/m3	37.4	33.0	88	68-136	
Ethylbenzene	ug/m3	47.7	45.4	95	70-133	
Hexachloro-1,3-butadiene	ug/m3	119	82.6	69	59-140	
m&p-Xylene	ug/m3	92.7	94.0	101	70-133	
Methyl-tert-butyl ether	ug/m3	38.5	36.3	94	70-132	
Methylene Chloride	ug/m3	38.8	40.0	103	67-132	
n-Heptane	ug/m3	45.8	41.4	90	64-136	
n-Hexane	ug/m3	35.8	30.9	86	70-130	
Naphthalene	ug/m3	58.6	47.8	82	55-136	
o-Xylene	ug/m3	48.1	45.5	95	70-132	
Propylene	ug/m3	18.9	17.4	92	37-150	
Styrene	ug/m3	47.2	49.8	106	70-139	
Tetrachloroethene	ug/m3	73.8	68.1	92	70-133	
Tetrahydrofuran	ug/m3	32.1	32.1	100	62-141	
Toluene	ug/m3	41.4	38.8	94	70-130	
trans-1,2-Dichloroethene	ug/m3	36.3	35.9	99	70-132	
trans-1,3-Dichloropropene	ug/m3	47.5	54.7	115	70-135	
Trichloroethene	ug/m3	58.4	54.9	94	70-135	
Trichlorofluoromethane	ug/m3	60.5	52.4	86	59-140	
Vinyl acetate	ug/m3	36.9	37.2	101	57-150	
Vinyl chloride	ug/m3	25.7	25.1	98	70-141	

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QUALITY CONTROL DATA

Project: Suggar Property

Pace Project No.: 10434400

SAMPLE DUPLICATE: 2956922

Parameter	Units	92387629001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.61		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.52		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.40		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	<0.66		25	
1,1-Dichloroethane	ug/m3	ND	<0.38		25	
1,1-Dichloroethene	ug/m3	ND	<0.42		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<1.7		25	
1,2,4-Trimethylbenzene	ug/m3	28.2	27.0	4	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.60		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.58		25	
1,2-Dichloroethane	ug/m3	ND	<0.35		25	
1,2-Dichloropropane	ug/m3	ND	<0.55		25	
1,3,5-Trimethylbenzene	ug/m3	7.1	7.0	1	25	
1,3-Butadiene	ug/m3	ND	<0.37		25	
1,3-Dichlorobenzene	ug/m3	ND	<0.83		25	
1,4-Dichlorobenzene	ug/m3	ND	<0.39		25	
2-Butanone (MEK)	ug/m3	95.7	94.3	1	25	
2-Hexanone	ug/m3	15.5	15.0	3	25	
2-Propanol	ug/m3	7.2	7.4	2	25	
4-Ethyltoluene	ug/m3	6.4	6.7	4	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	1.6J		25	
Acetone	ug/m3	1050	1180	12	25	A3
Benzene	ug/m3	0.93	0.88	5	25	
Benzyl chloride	ug/m3	ND	<0.42		25	
Bromodichloromethane	ug/m3	ND	<0.64		25	
Bromoform	ug/m3	ND	<1.2		25	
Bromomethane	ug/m3	ND	<0.37		25	
Carbon disulfide	ug/m3	1.3	1.3	2	25	
Carbon tetrachloride	ug/m3	ND	<0.57		25	
Chlorobenzene	ug/m3	ND	<0.32		25	
Chloroethane	ug/m3	ND	<0.37		25	
Chloroform	ug/m3	3.8	3.7	4	25	
Chloromethane	ug/m3	0.95	0.93	2	25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.61		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.44		25	
Cyclohexane	ug/m3	1.7	1.6	2	25	
Dibromochloromethane	ug/m3	ND	<0.79		25	
Dichlorodifluoromethane	ug/m3	2.5	2.7	7	25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.79		25	
Ethanol	ug/m3	19.9	18.6	7	25	
Ethyl acetate	ug/m3	ND	<0.35		25	
Ethylbenzene	ug/m3	3.6	3.5	2	25	
Hexachloro-1,3-butadiene	ug/m3	ND	<1.6		25	
m&p-Xylene	ug/m3	15.8	15.2	4	25	
Methyl-tert-butyl ether	ug/m3	ND	<1.2		25	
Methylene Chloride	ug/m3	ND	5.0J		25	
n-Heptane	ug/m3	ND	<0.38		25	

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QUALITY CONTROL DATA

Project: Suggar Property

Pace Project No.: 10434400

SAMPLE DUPLICATE: 2956922

Parameter	Units	92387629001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	ND	<0.60		25	
Naphthalene	ug/m3	14.8	14.7	0	25	
o-Xylene	ug/m3	7.3	7.1	3	25	
Propylene	ug/m3	11.8	11.6	2	25	
Styrene	ug/m3	ND	1.1J		25	
Tetrachloroethene	ug/m3	2450	2930	18	25	A3
Tetrahydrofuran	ug/m3	1.4	1.1J		25	
Toluene	ug/m3	9.7	9.5	2	25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.53		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.75		25	
Trichloroethene	ug/m3	13.7	13.2	4	25	
Trichlorofluoromethane	ug/m3	ND	1.7J		25	
Vinyl acetate	ug/m3	6.6	6.0	10	25	
Vinyl chloride	ug/m3	ND	<0.23		25	

SAMPLE DUPLICATE: 2956923

Parameter	Units	10434607001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.48		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.40		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.31		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	0.65J		25	
1,1-Dichloroethane	ug/m3	ND	<0.29		25	
1,1-Dichloroethene	ug/m3	ND	<0.33		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<1.3		25	
1,2,4-Trimethylbenzene	ug/m3	26.6	27.7	4	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.46		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.45		25	
1,2-Dichloroethane	ug/m3	ND	<0.28		25	
1,2-Dichloropropane	ug/m3	ND	<0.43		25	
1,3,5-Trimethylbenzene	ug/m3	7.6	7.8	3	25	
1,3-Butadiene	ug/m3	ND	<0.29		25	
1,3-Dichlorobenzene	ug/m3	ND	<0.65		25	
1,4-Dichlorobenzene	ug/m3	73.1	75.8	4	25	
2-Butanone (MEK)	ug/m3	22.2	22.1	0	25	
2-Hexanone	ug/m3	ND	<0.85		25	
2-Propanol	ug/m3	7.3	7.5	3	25	
4-Ethyltoluene	ug/m3	7.3	8.0	10	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	5.4J		25	
Acetone	ug/m3	54.0	55.6	3	25	
Benzene	ug/m3	4.1	4.3	5	25	
Benzyl chloride	ug/m3	ND	<0.33		25	
Bromodichloromethane	ug/m3	ND	<0.49		25	
Bromoform	ug/m3	ND	<0.96		25	
Bromomethane	ug/m3	ND	<0.29		25	

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QUALITY CONTROL DATA

Project: Suggar Property

Pace Project No.: 10434400

SAMPLE DUPLICATE: 2956923

Parameter	Units	10434607001 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	3.8	3.9	3	25	
Carbon tetrachloride	ug/m3	ND	0.51J		25	
Chlorobenzene	ug/m3	ND	<0.25		25	
Chloroethane	ug/m3	ND	<0.28		25	
Chloroform	ug/m3	ND	<0.32		25	
Chloromethane	ug/m3	ND	<0.19		25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.47		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.34		25	
Cyclohexane	ug/m3	4.6	4.5	3	25	
Dibromochloromethane	ug/m3	ND	<0.61		25	
Dichlorodifluoromethane	ug/m3	2.7	2.6	1	25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.61		25	
Ethanol	ug/m3	143	151	5	25	
Ethyl acetate	ug/m3	8.2	8.3	1	25	
Ethylbenzene	ug/m3	11.4	11.7	2	25	
Hexachloro-1,3-butadiene	ug/m3	ND	<1.2		25	
m&p-Xylene	ug/m3	42.0	43.8	4	25	
Methyl-tert-butyl ether	ug/m3	ND	<0.93		25	
Methylene Chloride	ug/m3	ND	<2.1		25	
n-Heptane	ug/m3	6.2	6.2	0	25	
n-Hexane	ug/m3	6.5	6.6	1	25	
Naphthalene	ug/m3	10.7	10.4	3	25	
o-Xylene	ug/m3	16.0	16.2	1	25	
Propylene	ug/m3	47.5	48.4	2	25	
Styrene	ug/m3	3.1	3.2	5	25	
Tetrachloroethene	ug/m3	3.8	4.0	5	25	
Tetrahydrofuran	ug/m3	11.5	11.9	4	25	
Toluene	ug/m3	42.6	42.6	0	25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.41		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.58		25	
Trichloroethene	ug/m3	ND	<0.37		25	
Trichlorofluoromethane	ug/m3	2.5	2.7	9	25	
Vinyl acetate	ug/m3	2.4	2.7	9	25	
Vinyl chloride	ug/m3	ND	<0.18		25	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Suggar Property

Pace Project No.: 10434400

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

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

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Suggar Property

Pace Project No.: 10434400

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10434400001	VP-1	TO-15	543629		

REPORT OF LABORATORY ANALYSIS

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AIR: CHAIN-OF-CUSTODY
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant

WO#: 10434400



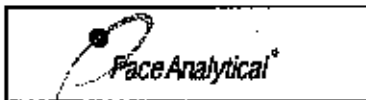
Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	33686	Page: 1 of 1
Company: <u>Midwest Env. Consulting</u>	Report To: <u>Sean Crowley</u>	Attention: <u>Sean Crowley</u>	Program	
Address: <u>116395 E. Paradise Rd</u>	Copy To:	Company Name: <u>Midwest Env. Consulting</u>	<input checked="" type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act	
<u>Burlington WI 53105</u>		Address: <u>Same</u>	<input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other	
Email To: <u>mwenviro@comcast.net</u>	Purchase Order No.:	Pace Quote Reference:	Location of Sampling by State: <u>WI</u>	
Phone: <u>262-272-4357</u>	Project Name: <u>Sugar Property</u>	Pace Project Manager/Sales Rep.:	Reporting Units ugm? mgm? ppm? ppbv? Other	
Remanded Due Date (A):	Project Number:	Pace Profile #: <u>3070</u>	Report Level: <u>II</u> <input type="checkbox"/> <u>III</u> <input type="checkbox"/> <u>IV</u> <input type="checkbox"/> Other	

ITEM #	Section D Required Client Information		MEDIA CODE	PID Reading (Client only)	COLLECTED				Container Pressure (Initial Field - in Hg)	Container Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method:								Face Lab ID	
	AIR SAMPLE ID				COMPOSITE START		COMPOSITE - SUSPENSE						TO-15 (Method)	TO-15 (Flow Line 100%)	TO-15 (Flow Line 100%)	TO-15 (Flow Line 100%)	TO-15 (Flow Line 100%)	TO-15 (Flow Line 100%)	TO-15 (Flow Line 100%)	TO-15 (Flow Line 100%)		
	Sample ID# MUST BE UNIQUE				DATE	TIME	DATE	TIME														
VP-1			61C5		6/6/19	103	6/6/19	1133	29.5	0	0033	1242										001

Comments:	BILLING USE ONLY (FIELD USE ONLY)	DATE	TIME	ANALYST'S SIGNATURE	DATE	TIME	SAMPLE CONDITIONS																
	<u>Sugar Property/MEC</u>	<u>6/6/19</u>	<u>01600</u>	<u>[Signature]</u>	<u>6-2-18</u>	<u>1305</u>																	

PRINT NAME OF SAMPLER: SEAN CROWLEY
SIGNATURE OF SAMPLER: [Signature]
DATE: 6/6/19

ORIGINAL



Document Name:
Air Sample Condition Upon Receipt
Document No.:
F-MN-A-206-rev.15

Document Revised: 02May2018
Page 1 of 1
Issuing Authority:
Pace Minnesota Quality Office

Air Sample Condition
User Receipt

Client Name: Midwest Env. Consulting Project #: WO# : 10434400

Courier: Fed Ex UPS Speedee Client
 Commercial Pace Other: _____

PM: CT1 Due Date: 06/14/18
CLIENT: MIDWEST-AIR

Tracking Number: 7476 3007 5266

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Optional: Proj. Due Date: Proj. Name:

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): X Corrected Temp (°C): X Thermom. Used: GE7A9170600254 GE7A9155100842
Temp should be above freezing to 6°C Correction Factor: X Date & Initials of Person Examining Contents: 6-7-18 EA

Type of Ice Received Blue Wet None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11. Individually Certified Cans Y <u>EA</u> (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.

Samples Received:					Pressure Gauge # 10AIR26				
Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
VP-1			-7	+5					

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Carolynne Hunt

Date: 6/7/18

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



Media Order # 1032291

Sent to Can Room 05/22/18 08:30 AM CT
Report Printed 5/22/2018 08:31 AM

Ordered By:

Ship To:

Return To:

Contact: Sean Cranley Company: Midwest Environmental Address: N6395 East Paradise Rd. City, St, ZIP: Burlington, WI, 53105 Phone: 262-237-4351	Contact: Sean Cranley Company: Midwest Environmental Address: N6395 East Paradise Rd. City, St, ZIP: Burlington, WI, 53105 Phone: 262-237-4351	Contact: Sample Receiving Lab Name: PACE - MN Address: 1700 Elm Street Ste 200 City, St, ZIP: Minneapolis, MN, 55414 Phone: 612-607-1700
---	---	--

Initiator: Carolynne Trout **PM:** Carolynne Trout **Profile Number:** 38388
Proj. Description: TO15 **Quote Number:** **Shipping Method:** FedEx
Needs Bottles By: 5/24/2018 PM **Expected Return Date:** 6/31/2018 **Tracking #:**

Return Shipping Labels <input type="checkbox"/> No Shipper Number <input checked="" type="checkbox"/> With Shipper Number	CoC's <input checked="" type="checkbox"/> Blank # 1 <input type="checkbox"/> Preprinted	Bottle Labels <input type="checkbox"/> Blank <input type="checkbox"/> Pre-Printed - With Sample IDs <input type="checkbox"/> Pre-Printed - No Sample IDs	Bottles <input type="checkbox"/> Boxed Cases <input type="checkbox"/> Individually Wrapped <input type="checkbox"/> Grouped By Sample ID/Matrix
--	--	--	---

Miscellaneous <input checked="" type="checkbox"/> Sampling Instructions <input type="checkbox"/> Custody Seal <input type="checkbox"/> Temperature Blanks	<input type="checkbox"/> Coolers <input type="checkbox"/> Extra Bubble Wrap <input type="checkbox"/> 10 mL Cut-Off Syringes	<input type="checkbox"/> Short Hold/Rush Stickers <input type="checkbox"/> DI Water	<input type="checkbox"/> Trip Blank
---	---	--	-------------------------------------

Notes:

Qty	Method	Media Specification	Certification Level	Notes
1	TO-15	6 L Canister	Low Level (0.1 - 0.2 ppbv)	
1	Canister Attachments	Restricted Flow Sampler		200mL/min
1	Other Misc.	Fitting/Ferrule/Tubing/Filter		

Hazard Shipping Placard In Place:

- *Sample receiving hours are Monday through Friday 8:00 am to 6:00 pm and Saturday from 9:00 am to 12:00 pm unless special arrangements are made with you project manager.
- *Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.
- *Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage and disposal.
- *Payment term are net 30 days.
- *Please include the proposal number on the chain of custody to insure proper billing

52213
D

June 14, 2019

Sean Cranley
Midwest Environmental Consulting
N6395 E Paradise Road
Burlington, WI 53105

RE: Project: Suggar Property Site
Pace Project No.: 10477951

Dear Sean Cranley:

Enclosed are the analytical results for sample(s) received by the laboratory on June 06, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Kirsten Hogberg
kirsten.hogberg@pacelabs.com
(612)607-1700
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Suggar Property Site

Pace Project No.: 10477951

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Suggar Property Site
Pace Project No.: 10477951

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10477951001	SPV-1	Air	06/05/19 11:28	06/06/19 11:15
10477951002	MAV-1	Air	06/05/19 12:06	06/06/19 11:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Suggar Property Site

Pace Project No.: 10477951

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10477951001	SPV-1	TO-15	CH1	61

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Suggar Property Site

Pace Project No.: 10477951

Sample: SPV-1 **Lab ID: 10477951001** Collected: 06/05/19 11:28 Received: 06/06/19 11:15 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	29.0	ug/m3	4.4	2.2	1.83		06/12/19 23:30	67-64-1	
Benzene	1.1	ug/m3	0.59	0.28	1.83		06/12/19 23:30	71-43-2	
Benzyl chloride	<2.2	ug/m3	4.8	2.2	1.83		06/12/19 23:30	100-44-7	
Bromodichloromethane	<0.67	ug/m3	2.5	0.67	1.83		06/12/19 23:30	75-27-4	
Bromoform	<2.6	ug/m3	9.6	2.6	1.83		06/12/19 23:30	75-25-2	
Bromomethane	<0.42	ug/m3	1.4	0.42	1.83		06/12/19 23:30	74-83-9	
1,3-Butadiene	<0.23	ug/m3	0.82	0.23	1.83		06/12/19 23:30	106-99-0	
2-Butanone (MEK)	3.0J	ug/m3	5.5	0.68	1.83		06/12/19 23:30	78-93-3	
Carbon disulfide	<0.40	ug/m3	1.2	0.40	1.83		06/12/19 23:30	75-15-0	
Carbon tetrachloride	<0.79	ug/m3	2.3	0.79	1.83		06/12/19 23:30	56-23-5	
Chlorobenzene	<0.50	ug/m3	1.7	0.50	1.83		06/12/19 23:30	108-90-7	
Chloroethane	<0.48	ug/m3	0.98	0.48	1.83		06/12/19 23:30	75-00-3	
Chloroform	<0.36	ug/m3	0.91	0.36	1.83		06/12/19 23:30	67-66-3	
Chloromethane	<0.29	ug/m3	0.77	0.29	1.83		06/12/19 23:30	74-87-3	
Cyclohexane	<0.65	ug/m3	3.2	0.65	1.83		06/12/19 23:30	110-82-7	
Dibromochloromethane	<1.3	ug/m3	3.2	1.3	1.83		06/12/19 23:30	124-48-1	
1,2-Dibromoethane (EDB)	<0.67	ug/m3	1.4	0.67	1.83		06/12/19 23:30	106-93-4	
1,2-Dichlorobenzene	<0.91	ug/m3	2.2	0.91	1.83		06/12/19 23:30	95-50-1	
1,3-Dichlorobenzene	<1.1	ug/m3	2.2	1.1	1.83		06/12/19 23:30	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/m3	5.6	1.8	1.83		06/12/19 23:30	106-46-7	
Dichlorodifluoromethane	2.6	ug/m3	1.8	0.54	1.83		06/12/19 23:30	75-71-8	
1,1-Dichloroethane	<0.41	ug/m3	1.5	0.41	1.83		06/12/19 23:30	75-34-3	
1,2-Dichloroethane	<0.27	ug/m3	0.75	0.27	1.83		06/12/19 23:30	107-06-2	
1,1-Dichloroethene	<0.50	ug/m3	1.5	0.50	1.83		06/12/19 23:30	75-35-4	
cis-1,2-Dichloroethene	<0.40	ug/m3	1.5	0.40	1.83		06/12/19 23:30	156-59-2	
trans-1,2-Dichloroethene	<0.52	ug/m3	1.5	0.52	1.83		06/12/19 23:30	156-60-5	
1,2-Dichloropropane	<0.42	ug/m3	1.7	0.42	1.83		06/12/19 23:30	78-87-5	
cis-1,3-Dichloropropene	<0.56	ug/m3	1.7	0.56	1.83		06/12/19 23:30	10061-01-5	
trans-1,3-Dichloropropene	<0.81	ug/m3	1.7	0.81	1.83		06/12/19 23:30	10061-02-6	
Dichlorotetrafluoroethane	<0.80	ug/m3	2.6	0.80	1.83		06/12/19 23:30	76-14-2	
Ethanol	23.6	ug/m3	3.5	1.5	1.83		06/12/19 23:30	64-17-5	
Ethyl acetate	<0.35	ug/m3	1.3	0.35	1.83		06/12/19 23:30	141-78-6	
Ethylbenzene	1.2J	ug/m3	1.6	0.56	1.83		06/12/19 23:30	100-41-4	
4-Ethyltoluene	<1.0	ug/m3	4.6	1.0	1.83		06/12/19 23:30	622-96-8	
n-Heptane	3.7	ug/m3	1.5	0.70	1.83		06/12/19 23:30	142-82-5	
Hexachloro-1,3-butadiene	<3.6	ug/m3	9.9	3.6	1.83		06/12/19 23:30	87-68-3	
n-Hexane	2.9	ug/m3	1.3	0.57	1.83		06/12/19 23:30	110-54-3	
2-Hexanone	<1.4	ug/m3	7.6	1.4	1.83		06/12/19 23:30	591-78-6	
Methylene Chloride	5.2J	ug/m3	6.5	1.7	1.83		06/12/19 23:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.95	ug/m3	7.6	0.95	1.83		06/12/19 23:30	108-10-1	
Methyl-tert-butyl ether	<1.2	ug/m3	6.7	1.2	1.83		06/12/19 23:30	1634-04-4	
Naphthalene	<2.4	ug/m3	4.9	2.4	1.83		06/12/19 23:30	91-20-3	
2-Propanol	4.1J	ug/m3	4.6	1.3	1.83		06/12/19 23:30	67-63-0	
Propylene	<0.26	ug/m3	0.64	0.26	1.83		06/12/19 23:30	115-07-1	
Styrene	<0.63	ug/m3	1.6	0.63	1.83		06/12/19 23:30	100-42-5	
1,1,2,2-Tetrachloroethane	<0.53	ug/m3	1.3	0.53	1.83		06/12/19 23:30	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Suggar Property Site

Pace Project No.: 10477951

Sample: SPV-1 **Lab ID: 10477951001** Collected: 06/05/19 11:28 Received: 06/06/19 11:15 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Tetrachloroethene	3.5	ug/m3	1.3	0.57	1.83		06/12/19 23:30	127-18-4	
Tetrahydrofuran	<0.48	ug/m3	1.1	0.48	1.83		06/12/19 23:30	109-99-9	
Toluene	3.9	ug/m3	1.4	0.64	1.83		06/12/19 23:30	108-88-3	
1,2,4-Trichlorobenzene	<6.8	ug/m3	13.8	6.8	1.83		06/12/19 23:30	120-82-1	
1,1,1-Trichloroethane	<0.57	ug/m3	2.0	0.57	1.83		06/12/19 23:30	71-55-6	
1,1,2-Trichloroethane	<0.46	ug/m3	1.0	0.46	1.83		06/12/19 23:30	79-00-5	
Trichloroethene	<0.47	ug/m3	1.0	0.47	1.83		06/12/19 23:30	79-01-6	
Trichlorofluoromethane	1.6J	ug/m3	2.1	0.67	1.83		06/12/19 23:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/m3	2.9	1.0	1.83		06/12/19 23:30	76-13-1	
1,2,4-Trimethylbenzene	3.6	ug/m3	1.8	0.83	1.83		06/12/19 23:30	95-63-6	
1,3,5-Trimethylbenzene	0.87J	ug/m3	1.8	0.73	1.83		06/12/19 23:30	108-67-8	
Vinyl acetate	<0.49	ug/m3	1.3	0.49	1.83		06/12/19 23:30	108-05-4	
Vinyl chloride	<0.23	ug/m3	0.48	0.23	1.83		06/12/19 23:30	75-01-4	
m&p-Xylene	3.4	ug/m3	3.2	1.3	1.83		06/12/19 23:30	179601-23-1	
o-Xylene	1.4J	ug/m3	1.6	0.63	1.83		06/12/19 23:30	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Suggar Property Site
Pace Project No.: 10477951

QC Batch: 612382 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10477951001

METHOD BLANK: 3308800 Matrix: Air
Associated Lab Samples: 10477951001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.31	1.1	06/12/19 10:41	
1,1,2,2-Tetrachloroethane	ug/m3	<0.29	0.70	06/12/19 10:41	
1,1,2-Trichloroethane	ug/m3	<0.25	0.56	06/12/19 10:41	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.56	1.6	06/12/19 10:41	
1,1-Dichloroethane	ug/m3	<0.22	0.82	06/12/19 10:41	
1,1-Dichloroethene	ug/m3	<0.27	0.81	06/12/19 10:41	
1,2,4-Trichlorobenzene	ug/m3	<3.7	7.5	06/12/19 10:41	
1,2,4-Trimethylbenzene	ug/m3	<0.45	1.0	06/12/19 10:41	
1,2-Dibromoethane (EDB)	ug/m3	<0.37	0.78	06/12/19 10:41	
1,2-Dichlorobenzene	ug/m3	<0.50	1.2	06/12/19 10:41	
1,2-Dichloroethane	ug/m3	<0.15	0.41	06/12/19 10:41	
1,2-Dichloropropane	ug/m3	<0.23	0.94	06/12/19 10:41	
1,3,5-Trimethylbenzene	ug/m3	<0.40	1.0	06/12/19 10:41	
1,3-Butadiene	ug/m3	<0.13	0.45	06/12/19 10:41	
1,3-Dichlorobenzene	ug/m3	<0.58	1.2	06/12/19 10:41	
1,4-Dichlorobenzene	ug/m3	<1.0	3.1	06/12/19 10:41	
2-Butanone (MEK)	ug/m3	<0.37	3.0	06/12/19 10:41	
2-Hexanone	ug/m3	<0.74	4.2	06/12/19 10:41	
2-Propanol	ug/m3	<0.70	2.5	06/12/19 10:41	
4-Ethyltoluene	ug/m3	<0.57	2.5	06/12/19 10:41	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.52	4.2	06/12/19 10:41	
Acetone	ug/m3	<1.2	2.4	06/12/19 10:41	
Benzene	ug/m3	<0.15	0.32	06/12/19 10:41	
Benzyl chloride	ug/m3	<1.2	2.6	06/12/19 10:41	
Bromodichloromethane	ug/m3	<0.37	1.4	06/12/19 10:41	
Bromoform	ug/m3	<1.4	5.2	06/12/19 10:41	
Bromomethane	ug/m3	<0.23	0.79	06/12/19 10:41	
Carbon disulfide	ug/m3	<0.22	0.63	06/12/19 10:41	
Carbon tetrachloride	ug/m3	<0.43	1.3	06/12/19 10:41	
Chlorobenzene	ug/m3	<0.28	0.94	06/12/19 10:41	
Chloroethane	ug/m3	<0.26	0.54	06/12/19 10:41	
Chloroform	ug/m3	<0.20	0.50	06/12/19 10:41	
Chloromethane	ug/m3	<0.16	0.42	06/12/19 10:41	
cis-1,2-Dichloroethene	ug/m3	<0.22	0.81	06/12/19 10:41	
cis-1,3-Dichloropropene	ug/m3	<0.30	0.92	06/12/19 10:41	
Cyclohexane	ug/m3	<0.35	1.8	06/12/19 10:41	
Dibromochloromethane	ug/m3	<0.72	1.7	06/12/19 10:41	
Dichlorodifluoromethane	ug/m3	<0.29	1.0	06/12/19 10:41	
Dichlorotetrafluoroethane	ug/m3	<0.44	1.4	06/12/19 10:41	
Ethanol	ug/m3	<0.81	1.9	06/12/19 10:41	
Ethyl acetate	ug/m3	<0.19	0.73	06/12/19 10:41	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Suggar Property Site
Pace Project No.: 10477951

METHOD BLANK: 3308800

Matrix: Air

Associated Lab Samples: 10477951001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/m3	<0.30	0.88	06/12/19 10:41	
Hexachloro-1,3-butadiene	ug/m3	<2.0	5.4	06/12/19 10:41	
m&p-Xylene	ug/m3	<0.70	1.8	06/12/19 10:41	
Methyl-tert-butyl ether	ug/m3	<0.66	3.7	06/12/19 10:41	
Methylene Chloride	ug/m3	<0.94	3.5	06/12/19 10:41	
n-Heptane	ug/m3	<0.38	0.83	06/12/19 10:41	
n-Hexane	ug/m3	<0.31	0.72	06/12/19 10:41	
Naphthalene	ug/m3	<1.3	2.7	06/12/19 10:41	
o-Xylene	ug/m3	<0.34	0.88	06/12/19 10:41	
Propylene	ug/m3	<0.14	0.35	06/12/19 10:41	
Styrene	ug/m3	<0.34	0.87	06/12/19 10:41	
Tetrachloroethene	ug/m3	<0.31	0.69	06/12/19 10:41	
Tetrahydrofuran	ug/m3	<0.26	0.60	06/12/19 10:41	
Toluene	ug/m3	<0.35	0.77	06/12/19 10:41	
trans-1,2-Dichloroethene	ug/m3	<0.28	0.81	06/12/19 10:41	
trans-1,3-Dichloropropene	ug/m3	<0.44	0.92	06/12/19 10:41	
Trichloroethene	ug/m3	<0.26	0.55	06/12/19 10:41	
Trichlorofluoromethane	ug/m3	<0.37	1.1	06/12/19 10:41	
Vinyl acetate	ug/m3	<0.27	0.72	06/12/19 10:41	
Vinyl chloride	ug/m3	<0.13	0.26	06/12/19 10:41	

LABORATORY CONTROL SAMPLE: 3308801

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	57.5	104	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	80.6	116	70-132	
1,1,2-Trichloroethane	ug/m3	55.5	65.7	118	70-130	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	79.4	102	70-130	
1,1-Dichloroethane	ug/m3	41.1	45.7	111	70-130	
1,1-Dichloroethene	ug/m3	40.3	44.0	109	70-130	
1,2,4-Trichlorobenzene	ug/m3	75.4	67.3	89	56-130	
1,2,4-Trimethylbenzene	ug/m3	50	57.5	115	70-134	
1,2-Dibromoethane (EDB)	ug/m3	78.1	87.4	112	70-130	
1,2-Dichlorobenzene	ug/m3	61.1	72.5	119	70-132	
1,2-Dichloroethane	ug/m3	41.1	44.4	108	70-130	
1,2-Dichloropropane	ug/m3	47	54.3	116	70-130	
1,3,5-Trimethylbenzene	ug/m3	50	52.5	105	70-132	
1,3-Butadiene	ug/m3	22.5	26.3	117	65-130	
1,3-Dichlorobenzene	ug/m3	61.1	71.6	117	70-137	
1,4-Dichlorobenzene	ug/m3	61.1	71.9	118	70-134	
2-Butanone (MEK)	ug/m3	30	30.1	100	70-130	
2-Hexanone	ug/m3	41.6	47.9	115	70-135	
2-Propanol	ug/m3	125	137	110	68-130	
4-Ethyltoluene	ug/m3	50	55.9	112	70-138	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Suggar Property Site

Pace Project No.: 10477951

LABORATORY CONTROL SAMPLE: 3308801

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	41.6	48.4	116	70-131	
Acetone	ug/m3	121	117	97	67-130	
Benzene	ug/m3	32.5	33.3	103	70-130	
Benzyl chloride	ug/m3	52.6	58.7	111	70-130	
Bromodichloromethane	ug/m3	68.1	73.7	108	70-130	
Bromoform	ug/m3	105	119	113	70-132	
Bromomethane	ug/m3	39.5	42.7	108	69-130	
Carbon disulfide	ug/m3	31.6	34.8	110	56-137	
Carbon tetrachloride	ug/m3	64	70.3	110	66-131	
Chlorobenzene	ug/m3	46.8	52.2	112	70-130	
Chloroethane	ug/m3	26.8	30.4	113	70-130	
Chloroform	ug/m3	49.6	51.9	105	70-130	
Chloromethane	ug/m3	21	24.0	114	66-130	
cis-1,2-Dichloroethene	ug/m3	40.3	44.9	111	70-130	
cis-1,3-Dichloropropene	ug/m3	46.1	52.4	114	70-133	
Cyclohexane	ug/m3	35	37.9	108	68-132	
Dibromochloromethane	ug/m3	86.6	95.1	110	70-130	
Dichlorodifluoromethane	ug/m3	50.3	55.4	110	70-130	
Dichlorotetrafluoroethane	ug/m3	71	78.6	111	70-130	
Ethanol	ug/m3	95.8	111	116	68-133	
Ethyl acetate	ug/m3	36.6	41.7	114	69-130	
Ethylbenzene	ug/m3	44.1	47.4	107	67-131	
Hexachloro-1,3-butadiene	ug/m3	108	110	101	66-137	
m&p-Xylene	ug/m3	88.3	88.6	100	70-132	
Methyl-tert-butyl ether	ug/m3	36.6	40.2	110	70-130	
Methylene Chloride	ug/m3	177	189	107	65-130	
n-Heptane	ug/m3	41.7	45.1	108	65-130	
n-Hexane	ug/m3	35.8	37.2	104	66-130	
Naphthalene	ug/m3	53.3	49.2	92	56-130	
o-Xylene	ug/m3	44.1	44.6	101	70-130	
Propylene	ug/m3	17.5	22.4	128	67-130	
Styrene	ug/m3	43.3	49.7	115	69-136	
Tetrachloroethene	ug/m3	68.9	71.6	104	70-130	
Tetrahydrofuran	ug/m3	30	37.0	123	68-131	
Toluene	ug/m3	38.3	38.6	101	70-130	
trans-1,2-Dichloroethene	ug/m3	40.3	45.7	113	70-130	
trans-1,3-Dichloropropene	ug/m3	46.1	53.4	116	70-134	
Trichloroethene	ug/m3	54.6	58.9	108	70-130	
Trichlorofluoromethane	ug/m3	57.1	56.2	98	65-130	
Vinyl acetate	ug/m3	35.8	41.7	116	61-133	
Vinyl chloride	ug/m3	26	31.9	123	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Suggar Property Site

Pace Project No.: 10477951

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Suggar Property Site
Pace Project No.: 10477951

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10477951001	SPV-1	TO-15	612382		

REPORT OF LABORATORY ANALYSIS

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Document Name:
Air Sample Condition Upon Receipt
Document No.:
F-MN-A-106-rev.18

Document Revised: 31Jan2019
Page 1 of 1
Issuing Authority:
Pace Minnesota Quality Care

Air Sample Condition Upon Receipt

Client Name: Midwest Env.

Project #: **WO# : 10477951**

Courier: Fed Ex UPS USPS Client
 Pace Speedee Commercial See Exception

PM: KNH Due Date: 06/13/19
CLIENT: MIDWEST-AIR

Tracking Number: 4545 9912 5463

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No
Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ Temp Blank rec: Yes No
Temp. (T017 and T013 samples only) (°C): _____ Corrected Temp (°C): _____ Thermometer Used: GB7A9170600254
 GB7A9155100842
Temp should be above freezing to 6°C Correction Factor: _____ Date & Initials of Person Examining Contents: 06/06/19 KNH
Type of Ice Received Blue Wet None

Chain of Custody Present?			1.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			2.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			3.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			4.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			5.
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			6.
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			7.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			8.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			9.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			10.
Media: <u>Air Can</u> Airbag Filter TDT Passive			11. Individually Certified Cans <input checked="" type="checkbox"/> (list which samples)
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			12. <u>no sample info on tags, marked by can #</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			13.

Samples Received: Pressure Gauge # 10AIR34 10AIR35

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
<u>SPV</u>	<u>0315</u>	<u>1171</u>	<u>-8.0</u>	<u>75.0</u>					
<u>MAV</u>	<u>3394</u>	<u>1728</u>	<u>"</u>	<u>"</u>					

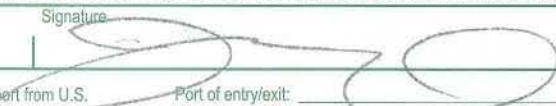
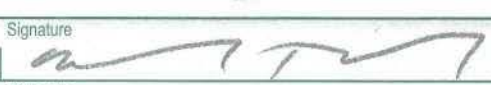

CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No
Person Contacted: _____ Date/Time: _____
Comments/Resolution: Sampled in WI.

Project Manager Review: Kirsten Hofer Date: 6/6/2019
Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



**APPENDIX C
Waste Disposal Manifests**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 800-424-9300	4. Waste Tracking Number 022117A1
5. Generator's Name and Mailing Address A-1 Auto Repair 3301 80th Street Kenosha WI 53144			Generator's Site Address (if different than mailing address) Att: Jose Ochoa		
6. Transporter 1 Company Name Badger Disposal of WI, Inc.			U.S. EPA ID Number WID988580056		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address Badger Disposal of WI, Inc. 5811 West Hemlock Street Milwaukee WI 53223			U.S. EPA ID Number WID988580056		
Facility's Phone: 414 760-9175					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
	1 Non-regulated material	1	DM	55	G
					NONE
13. Special Handling Instructions and Additional Information 1(S) WS048387-LF Site Investigation Soil Boring Emergency Contact: CHEMTREC #CCN708044					
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Generator's/Officer's Printed/Typed Name JOSE OCHOA			Signature 		Month Day Year 2 21 17
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Mario Pambisani			Signature 		Month Day Year 2 21 17
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number:					
17b. Alternate Facility (or Generator) U.S. EPA ID Number					
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)					Month Day Year
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name Nina Smith			Signature 		Month Day Year 02 22 17

BILL OF LADING	1. Shipper ID Number	2. Page 1 of 1	3. Emergency Response Phone 800-842-9792	4. Tracking Number CES 123761			
5. Shipper's Name and Mailing Address A1 Auto Repair 3301 60th St.							
Shipper's Site Address (if different than mailing address) Sean Cranley (262)237-4351							
6. Transporter 1 Company Name Covanta Environmental Solutions Carriers II, LLC			U.S. EPA ID Number WVR000165399				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Consignee Name and Site Address Covanta Environmental Solutions LLC 5300 N. 33rd St							
Facility's Phone: Milwaukee WI 53208 800-842-9792			U.S. EPA ID Number WID006085781				
SHIPPER	9. Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	PLACARD? YES <input type="checkbox"/> NO <input type="checkbox"/>	
	1. Non-Regulated Material	No.	Type				NONE
		5	DM	275	G		YES <input type="checkbox"/> NO <input type="checkbox"/>
	2. Non-Regulated Material	5	DM	275	G		NONE
							YES <input type="checkbox"/> NO <input type="checkbox"/>
3.						PLACARD? YES <input type="checkbox"/> NO <input type="checkbox"/>	
4.						PLACARD? YES <input type="checkbox"/> NO <input type="checkbox"/>	
13. Special Handling Instructions and Additional Information 1)1000181269, Purge Water 2)1000181270, Soil Cuttings							
14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.							
Shipper's/Officer's Printed/Typed Name Sean Cranley/Consultant							
Signature <i>[Signature]</i>							
Month Day Year 10 26 18							
TRANSPORTER INT'L	15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____						
	Transporter Signature (for exports only): _____ Date leaving U.S.: _____						
	16. Transporter Acknowledgment of Receipt of Materials						
TRANSPORTER	Transporter 1 Printed/Typed Name Scott Jensen						
	Signature <i>[Signature]</i>						
	Month Day Year 10 26 18						
DESIGNATED CONSIGNEE	17. Discrepancy						
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Bill of Lading Reference Number: _____						
17b. Alternate Consignee (or Shipper) U.S. EPA ID Number							
Facility's Phone: _____							
17c. Signature of Alternate Consignee (or Shipper)							
Month Day Year							
18. Designated Receiving Facility Owner or Operator; Certification of receipt of materials covered by the bill of lading except as noted in item 17a							
Printed/Typed Name Scott Jensen							
Signature <i>[Signature]</i>							
Month Day Year 10 26 18							

BILL OF LADING	1. Shipper ID Number	2. Page 1 of 1	3. Emergency Response Phone 800-842-9792	4. Tracking Number CES 121349
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5. Shipper's Name and Mailing Address AI Auto Repair 3301 60th St. Kenosha WI 53144	Shipper's Site Address (if different than mailing address) Sean Cranley (262)237-4351
---	---

6. Transporter 1 Company Name Covanta Environmental Solutions Carriers II, LLC	U.S. EPA ID Number WIR000165399
--	---

7. Transporter 2 Company Name	U.S. EPA ID Number
-------------------------------	--------------------

8. Consignee Name and Site Address Covanta Environmental Solutions LLC 5300 N. 33rd St Milwaukee WI 53208	U.S. EPA ID Number 800-842-9792 WID006085781
---	--

HM	9. Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	PLACARD? YES <input type="checkbox"/> NO <input type="checkbox"/>
		No.	Type			
1.	Non-Regulated Material	1	DM	55	G	NONE YES <input type="checkbox"/> NO <input type="checkbox"/>
2.	Non-Regulated Material	2	DM	110	G	NONE YES <input type="checkbox"/> NO <input type="checkbox"/>
3.						PLACARD? YES <input type="checkbox"/> NO <input type="checkbox"/>
4.						PLACARD? YES <input type="checkbox"/> NO <input type="checkbox"/>

13. Special Handling Instructions and Additional Information

1)1000181269, Purge Water

2)1000181270, Soil Cutting

14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.

Shipper's/Officer's Printed/Typed Name Sean Cranley	Signature <i>[Signature]</i>	Month Day Year 1 7 19
---	---------------------------------	---------------------------------

15. International Shipments: Import to U.S. Export from U.S.

Port of entry/exit: _____ Date leaving U.S.: _____

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name Scott Berner	Signature <i>[Signature]</i>	Month Day Year 1 7 19
Transporter 2 Printed/Typed Name	Signature	Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

Bill of Lading Reference Number: _____

17b. Alternate Consignee (or Shipper)

U.S. EPA ID Number: _____

Facility's Phone: _____

17c. Signature of Alternate Consignee (or Shipper)

Month Day Year

18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in Item 17a

Printed/Typed Name Tony Sumner	Signature <i>[Signature]</i>	Month Day Year 01 07 19
--	---------------------------------	-----------------------------------

SHIPPER

INT'L

TRANSPORTER

DESIGNATED CONSIGNEE

50106016

BILL OF LADING		1. Shipper ID Number	2. Page 1 of 1	3. Emergency Response Phone 800-842-9792	4. Tracking Number CES 141920	
5. Shipper's Name and Mailing Address AI Auto Repair 3301 60th St			Shipper's Site Address (if different than mailing address) Sean Cranley Kenosha WI 53144 262-267-4351			
6. Transporter 1 Company Name Covanta Environmental Solutions Carriers II, LLC			U.S. EPA ID Number WIR000165398			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Consignee Name and Site Address Covanta Environmental Solutions LLC 5300 N. 33rd St			U.S. EPA ID Number WID006085781			
Facility's Phone: Milwaukee WI 53208 800-842-9792						
HM	9. Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	PLACARD? YES <input type="checkbox"/> NO <input type="checkbox"/>
		No.	Type			
	1. Non-Regulated Material	1	DM	55	G	PLACARD? YES <input type="checkbox"/> NO <input type="checkbox"/>
	2.					PLACARD? YES <input type="checkbox"/> NO <input type="checkbox"/>
	3.					PLACARD? YES <input type="checkbox"/> NO <input type="checkbox"/>
	4.					PLACARD? YES <input type="checkbox"/> NO <input type="checkbox"/>
13. Special Handling Instructions and Additional Information 1)1000181270, IDW Soil Drum						
14. SHIPPER'S CERTIFICATION: I certify the materials are accurately described.						
Shipper's/Officer's Printed/Typed Name Sean Cranley			Signature <i>[Signature]</i>		Month Day Year 7 7 20	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Scott G... [Signature]			Signature <i>[Signature]</i>		Month Day Year 7 7 20	
Transporter 2 Printed/Typed Name			Signature		Month Day Year	
17. Discrepancy						
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
17b. Alternate Consignee (or Shipper) Bill of Lading Reference Number: U.S. EPA ID Number						
Facility's Phone:						
17c. Signature of Alternate Consignee (or Shipper) Month Day Year						
18. Designated Receiving Facility Owner or Operator: Certification of receipt of materials covered by the bill of lading except as noted in item 17a.						
Printed/Typed Name Michael D...			Signature <i>[Signature]</i>		Month Day Year 02 09 20	

SHIPPER
INT'L
TRANSPORTER
DESIGNATED CONSIGNEE