Site Investigation Report

Heimes Garage - Former
Kenosha, WI

June 8, 2020

Prepared By:

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June 8, 2020

Ms. Jennifer Dorman
Wisconsin Department of Natural Resources
2300 N. Martin Luther King Dr.
Milwaukee, WI 53212

RE: Site Investigation Report
Heimes Garage - Former
3418 – 66th Street
Kenosha, WI
BRRTS#: 03-30-409382
FID#: 230058620
PECFA#: 53142-3443-18

Dear Ms. Dorman:

Please find enclosed the Site Investigation Report (SIR) for the above-referenced site. Midwest Environmental Consulting is not requesting that the Department review the SIR or take other action at this time.

Please let me know if you have any questions.

Sincerely,
MIDWEST ENVIRONMENTAL CONSULTING

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TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

Site Investigation Report

Heimes Garage - Former
3418 – 66th Street
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1.0 INTRODUCTION

Midwest Environmental Consulting (MEC) has completed site investigation activities at the Heimes Garage site at 3418 – 66th Street in Kenosha, Wisconsin. The site investigation is being conducted on behalf of Talman Ventures, LLC., the site owner. The site is located in the SW 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 purpose of the site investigation was to characterize and define the nature and extent soil and groundwater contamination associated with the past presence of petroleum storage tank systems at the site. The investigative activities also provided characterization of the stratigraphy and hydrogeology to facilitate a better understanding of contaminant transport at the site. And finally, screening was conducted in order assess the potential for vapor intrusion of buildings on and in the vicinity of the site.

This Site Investigation Report (SIR) documents the investigative activities conducted on, and in the vicinity of, the site by MEC and others, as well as Phase II Environmental Site Assessment (ESA) sampling conducted previously by PEP Environmental Services, Inc (PEP). 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 on, and in the vicinity of, the site.

Two 500-gallon underground storage tanks (USTs), one diesel and one gasoline, located along the eastern property line were removed in 1998. In addition, the property was used historically for the bulk storage and distribution of petroleum and six 15,000-gallon and one 20,000-gallon aboveground storage tanks (ASTs), three containing fuel oil, two gasoline, one kerosene and

one unknown solvent were located on the western portion of the property from the 1930's to the 1970's.

From 1988 to 1997 several spill incidents, an environmental site investigation and remedial soil excavation related to drum storage and petroleum ASTs occurred on the former Industrial Pumping (IP) site adjacent to the west of the Heimes site. Some of the investigation and soil excavation activities occurred on the Heimes site.

PEP Environmental Services, LLC notified the Wisconsin Department of Natural Resources (WDNR) on February 7, 2003, of the presence of petroleum soil and groundwater contamination identified as a result of a Phase II Environmental Site Assessment (ESA), resulting in the requirement to conduct an environmental site investigation of the Heimes site.

Environmental site investigation activities for the Yutka Storage site, across 66th Street to the south identified the presence of chlorinated volatile organic compound (CVOC) soil and groundwater contamination within the 66th Street right-of-way (ROW) exceeding soil and groundwater standards that is attributable to the former Industrial Pumping site adjacent to the west of the Heimes site.

On September 16, 2019, Midwest advanced eight direct-push soil borings (DP-1 through DP-8) at the site and on the Kenosha Steel Castings property adjacent to the east. Soil samples were collected from each boring for laboratory analysis of petroleum volatile organic compounds (PVOCs) and polynuclear aromatic hydrocarbons (PAHs). Petroleum soil contamination was identified at the on-site AST source area that exceeded residual contaminant levels (RCLs) for the protection of groundwater. No direct contact RCLs were exceeded. The soil boring locations are provided on Figure 2. The extent of soil contamination is illustrated on Figure 3 and in cross-sectional view on Figures 4, 5 and 6. The soil sample results are summarized on Table 1.

Temporary groundwater sampling points (DP-1W through DP-8W) were inserted into all of the direct-push soil borings and a groundwater grab sample was collected from each of these locations for analysis of volatile organic compounds (VOCs). Petroleum groundwater contamination exceeding enforcement standards (ESs) was identified at the site. In addition, chlorinated VOCs (CVOCs) were identified in groundwater at one location (DP-4), adjacent to 66th Street with vinyl chloride exceeding the ES. The extent of groundwater contamination is depicted on Figure 7 and in cross-sectional view on Figures 4, 5 and 6. The groundwater analytical results are summarized on Table 2.

CVOCS detected at DP-4 are believed to be from the former IP site adjacent to the west, where CVOCs were identified during site investigation and remediation activities. No non-petroleum related CVOCs were identified in the source areas on the Heimes Garage site. DP-4 is located downgradient from the locations of historical spills that occurred in 66th Street from the former IP site where CVOCs were identified and proximal to sampling locations in 66th Street conducted as part of the adjacent Yutka Storage site investigation where CVOCs were also identified and attributed to the former IP site.

In January 2020, MEC installed and sampled five NR141 compliant groundwater monitoring wells (MW-1 to MW-5). Based on the sample results, petroleum groundwater contamination was defined with the exception of methyl-tert-butyl-ether (MTBE), which exceeded the ES at two downgradient wells. As a consequence, three additional down-gradient monitoring wells (MW-6 to MW-8) were installed and sampled in March 2020. The five previously installed wells were also resampled at this time. The sample results confirmed that the extent of petroleum groundwater contamination exceeding groundwater quality standards (GQSs) had been defined. Groundwater flow in the vicinity of the site is toward the south and southeast. The monitoring well locations are illustrated on Figure 2. The monitoring well sample results are summarized on Table 2.

CVOCs were identified in samples from monitoring wells MW-2, MW-7 and MW-8, all located adjacent to 66th Street, with vinyl chloride exceeding the ES at MW-2 and tetrachloroethene (PCE) exceeding the preventive action limit (PAL) at MW-7 and MW-8. The CVOC groundwater contamination is not attributable to the Heimes Garage site.

Groundwater was not sampled for PAHs as the soil results showed that the only PAH compound exceeding groundwater protection RCLs was naphthalene, which was included in the VOC analysis. Historical lead results revealed all concentrations were below both the background threshold value (BTV) and RCLs.

Groundwater flow at the site is to the southeast and south as illustrated on Figures 8, 9 and 10. The depth to water measurements, groundwater elevations and well data are provided on Table 3.

In April 2020, MEC completed a vapor intrusion assessment for the buildings onsite and the Kenosha Steel pole barn immediately down gradient from the site. The assessment was conducted 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 with regard to the petroleum contamination that originated on the Heimes site.

The vapor intrusion screening for the CVOCs detected on and adjacent to the site was less conclusive. It should be noted that due to the presence of CVOCs on the Yutka Storage site, a sub-slab vapor sample was collected from the building on that site on July 24, 2018 and analyzed for TO-15 VOCs as part of the Yutka Storage site investigation. The sample VOC concentrations were all below vapor risk screening levels (VRSLs) for both the residential and small commercial exposure scenarios.

Based on the age of the petroleum releases and the relatively low levels of petroleum contamination remaining present in both soil and groundwater with respect to historical levels, it is apparent that natural attenuation has been occurring since the ASTs were removed from the site prior to 1975 and the USTs were removed in 1998, and will bring the site into compliance over time. This conclusion is supported by the fact that PVOC groundwater contaminants exceeding GQSs are confined to the source areas with the exception of MTBE, which is more water soluble and persistent than the other compounds.

In light of the above, case closure is warranted based on notification of the owner of the adjacent Kenosha Steel Casting property, as well as the City of Kenosha that the property and the 66th Street ROW have been affected by contamination from the site. The site will be included on the geographic information system (GIS) registry of sites with residual soil and groundwater contamination.

2.0 GENERAL SITE INFORMATION

2.1 Site Location

The Heimes Garage site is located in the SW ¼, NW ¼, Sec. 1, T 1N R 22E in Kenosha County, Wisconsin (United States Geological Survey [USGS] 1958, 1971). The site is located at 3418 - 66th Street in Kenosha, Wisconsin. The site location is illustrated on Figure 1.

2.2 Site Description

The property is 0.43 acres in size and is occupied by two single story slab-on-grade buildings. The southern-most building is a concrete slab-on-grade garage of concrete block construction and houses one 20-foot by 40-foot room with two pedestrian doors and two overhead vehicle access doors. The building has a concrete floor and a wood frame roof.

The northern building has a concrete slab-on-grade foundation and is of concrete block and brick construction. The building houses a small work shop/office area and residence. A recessed truck ramp is present on the south side that accesses a former loading dock which was once served by a larger door. The dock is now a raised walkway which services the front door of the building. The western approximately 1/3 of the northern building is a small workshop. The residential portion of the building contains a kitchen, utility room, living room, bedroom and bathroom.

The site is bordered by a former railroad switching yard and site of a former bulk petroleum facility to the north, the Kenosha Steel Castings (formerly Arneson Foundry) property to the east, 66th Street to the south, and Interstate Cryogenics (formerly Industrial Pumping) to the west. The Yutka Storage site, for which MEC is also currently conducting an environmental site investigation is located to the south, across 66th street. The surrounding land use is a mixture of heavy industry, light industry, commercial, transportation and residential use.

The site surface is paved with concrete in the area between the two on-site buildings toward the eastern portion of the property. The remainder of the site is primarily gravel paved with some grassed areas around the perimeter. The site configuration is illustrated on Figure 2.

2.3 Site History & Preliminary Site Characterization

Midwest reviewed several reports that provided documentation of environmental activities and conditions at the site as discussed below. For a more detailed discussion and documentation, please refer to the Site Investigation Work Plan (MEC – August 2019).

CRI Phase I ESA – Heimes Garage 3418 66th Street: Midwest reviewed a Phase I ESA Report for the Heimes Garage site prepared by ChemReport, Inc. (CRI) in June 2006. The CRI Phase I ESA revealed that two USTs, were removed from subject property in December 1998.

The property was used historically for the bulk storage and distribution of petroleum and seven ASTs were located on the western portion of the property. Based on aerial photographs, the ASTs were present on site in 1937 and were still there in 1970. The ASTs were removed prior to the 1975 photograph. The potential for historical releases of petroleum from the UST and AST systems as well as during the delivery and transference of petroleum offsite constituted a recognized environmental condition (REC).

ChemReport conducted an interview with Mr. Jerry Heimes, the son of the owner at the time, Earl Heimes and nephew of the deceased former owner and operator of the Heimes Garage site, Richard Heimes. Mr. Jerry Heimes stated that in the early 1980's his uncle purchased the property from the Willkomm Oil Company which operated a Mobil Oil storage and distribution facility on site. Subsequently, several buildings were torn down including a shed on the north end of the property and a building in the northwest corner of the property, which were used to store 55-gallon drums of oil. A small shed which controlled the AST system along with a truck scale were also removed.

The ASTs were removed and Mr. Richard Heimes reportedly worked with the WDNR to remove contaminated soil from beneath the ASTs, which was replaced with gravel. Mr. Heimes stated that his uncle complied with all WDNR requirements, but that the surrounding area is contaminated so there was only so much that could be reasonably done. There was a bulk oil facility (former Industrial Pumping) immediately adjacent to the west side of the site and the former Arneson Foundry historically spread coke on the property adjacent to the east. Note: no records of these Heimes Garage site cleanup activities were identified in the online searches of regulatory databases or review of the WDNR file materials.

Mr. Heimes stated that the two former USTs on site were used to fuel vehicles and equipment for the solid waste hauling, excavating and landscaping business operated by Mr. Richard Heimes. The USTs were located along the central portion of the eastern fence line, just north of the garage building. These USTs were cleaned and removed in 1998, by John Cable, Inc. Contaminated soil was removed and replaced with gravel. To the best of Jerry's knowledge, no further investigation or cleanup activities had occurred with respect to these USTs. Note: The USTs are listed by the Wisconsin Department of Agriculture, trade and Consumer Protection (WDATCP) as "closed/removed as of December 31, 1998" with a facility ID of 639466 and tank IDs of 892996 and 893004.

According to Mr. Heimes, a historic spill occurred on the adjacent property, then owned by Conoco, during fuel delivery to the site. The spill ran down 66th Street and did not enter the Heimes Garage property. The Kenosha Fire Department responded to the incident and flushed the spill.

MEC File Review – Heimes Garage 3418 66th Street

MEC obtained and reviewed the WDNR file for the Heimes Garage site in August 2017 in preparation of the Site Investigation Work Plan (SIWP, MEC October 2017) for the adjacent Yutka Storage site at 6606 34th Avenue. The file contained only a hazardous substance release fax notification form and attachments. The form was submitted to the WDNR by PEP Environmental Services, LLC on February 7, 2003, due to petroleum soil and groundwater contamination identified as a result of a Phase II ESA performed by PEP in December 2002.

The attachments to the notification form included a map illustrating the site features, as well as the Phase II soil boring and temporary well locations. Also attached were analytical results tables for the soil and groundwater samples. The file did not contain the Phase II ESA Report, the associated soil boring logs or laboratory report. In preparation of the Heimes Site Investigation Work Plan (SIWP), MEC contacted Mr. Peter Pavalko of PEP Environmental in an attempt to obtain these documents. However, the company had gone out of business and most of the records are no longer available. Mr. Pavalko was able to locate computer files of the soil and groundwater laboratory results tables and the Phase II ESA Report narrative, but not the supporting documents.

As part of the PEP Phase II ESA, a total of six soil borings (B-1 to B-6) were advanced to depths of 12 feet below land surface (bls) and six soil samples were analyzed for gasoline range organics (GRO), diesel range organics (DRO), PVOCs and naphthalene. Well screens were temporarily placed in three of the soil borings (B-1, B-5 and B-6) and groundwater samples (WB-1, WB-5 and WB-6) were collected from each well and analyzed for GRO, PVOCs and naphthalene.

PVOCs and/or naphthalene were detected in all six of the soil samples analyzed, with five of the samples exhibiting one or more compounds exceeding groundwater protection RCLs current as of December 2018. All of the soil samples were collected from below the upper four-foot zone where direct contact RCLs are applicable.

PVOCs were detected in all three PEP Phase II ESA groundwater samples, with one or more current GQSs exceeded in two of the samples and ES exceedances only present in the sample collected from within the UST basin. The PEP Phase II ESA soil and groundwater sampling locations and results are illustrated on Figures 11 and 12, respectively. The soil and groundwater analytical results are summarized on Tables 4 and 5, respectively.

PEP attributed contamination at the site to the former USTs and to the bulk petroleum facility on the former Industrial Pumping property adjacent to the west of the Heimes site. It appears that PEP was unaware of the bulk petroleum facility previously located on the western portion of the Heimes site as it was not mentioned in the report or discussed as a potential source of the contamination on the western portion of the Heimes site.

3.0 SITE AND LOCAL CHARACTERISTICS

3.1 Site and Local Geology

The western site surface on the Heimes Garage site consists of 0.5 to 0.75 feet of gravel with sand. Concrete pavement is present between the two on-site buildings, with grass to the north of the office/residence and to the south of the garage. The site surface on the Kenosha Steel Castings property near the property lines and the pole barn exhibits 3 to 5 inches of clay topsoil where grass is present, with foundry sand present elsewhere. Fill materials, consisting of foundry sand with variable amounts of clay, bricks and clinkers is present across the site and much of the surrounding area extending to depths ranging from 1.25 to 6 feet bls.

Native soils observed beneath the fill materials consisted of a clay layer with variable amounts of silt, sand and/or gravel extending to depths of up to 10 feet bls. A silt and fine sand layer is present beneath the clay and extends to at least 15 feet bls, the termination depth of the deepest soil borings. Soil observations indicative of saturated conditions were encountered at depths ranging from approximately 5 to 8 feet bls. Geological cross-sections A-A', B-B' and C-C' are illustrated on Figures 4 to 6.

Logs for the six borings advance onsite for the Phase II ESA conducted in 2002 at the site by PEP Environmental were not available to assess the site geology. Four soil borings (B-11, B-13, B-14 and B-18) were advanced on the Heimes site to depths between 10 and 15 feet bls as part of the site investigation for the adjacent former Industrial Pumping site. Borings B-11, B-13 and

B-14 were located along the western portion of the Heimes property, where the ASTs were formerly located on site. All three of these borings exhibited 4 to 5 feet of fill material consisting of sand and gravel with some silt, likely foundry sand. This appears to corroborate Jerry Heimes statement to ChemReport as part of the CRI Phase I ESA process regarding the excavation of contaminated soils from the location of the AST farm and backfilling with gravel. Soil boring B-18, located in the southeastern portion of the Heimes site exhibited about 2 feet of the sand and gravel fill material. This fill material was described as black at borings B-11, B-13 and B-18, with the material at B-11 additionally described as moist with organics.

With the exception of boring B-14 native clay was present beneath the fill material. B-14 exhibited a silt layer described as loose and yellowish beneath the fill at 5 feet bls with medium to coarse grained sand present from 9 feet to the termination depth of the boring at 15 feet. The clay layer at boring B-13 exhibited the presence of some ¼-inch diameter pieces of material, noted as probable foundry slag, indicating that this layer may be fill or disturbed material. Borings B-11, B-13 and B-18 all exhibited a silt layer below the clay at depths between 5.5 and 9 feet bls and extending to the termination depths of the borings. The Industrial Pumping logs for borings on the Heimes site are provided in Appendix A.

Review of boring logs for the former Industrial Pumping site adjacent to the west revealed 1.5 to 7.0 feet of fill material comprised primarily of foundry sand. Approximately 2 to 6 feet of fill material consisting of foundry sand with clay, sand and gravel is present at the Yutka Storage site to the south, overlying native clay and a silt and fine sand layer. Native soils in the vicinity of the site consist of a clay layer over a silt and fine sand layer. It appears that historic filling with materials predominated by foundry sand occurred in the general area surrounding the site.

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 Ordivician 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

3.2 Site and Local Hydrogeology

Groundwater at the site is primarily present within the near subsurface native clay layer. Saturated conditions were observed in the direct-push soil borings at depths ranging from approximately 5 to 8 feet bls. Water depths in the monitoring wells range from approximately 1.4 to 5.0 feet bls. It should be noted that unusually wet conditions were prevalent during the months in which the site investigation field activities were conducted, potentially leading to water perched on top of the native clay layer and more shallow saturated conditions than may have occurred historically.

Gray soil conditions were noted at a depth of 5 feet bls at boring B-11, advanced onsite as part of the Industrial Pumping site investigation, with MW-7, also installed as part of the Industrial Pumping investigation exhibiting depths to water of approximately 4 feet bls. MW-7 was constructed with a screened interval from 5.0 to 15.0 feet bls and was not purgeable to a dry condition. The well construction and development forms for MW-7 are provided in Appendix A.

Saturated conditions were encountered at approximately 5 to 7 feet bls at the Yutka Storage site located to the south of the site, across 66th Street during Phase II ESA and site investigation activities. Review of boring logs for the former Industrial Pumping site to the west indicated that saturated conditions were encountered between approximately 5 and 8 feet bls.

Groundwater flow was determined to be toward the east-southeast at the adjacent Industrial Pumping site. The greatest potential for significant groundwater flow at the Heimes site is likely associated with the silt and fine sand layer present at depth across the area. It is possible that the overlying silty clay layer may act to inhibit infiltration of water from the site surface and limit contaminant migration to the silt and sand layer.

Shallow aquifers are not typically used for water supply purposes, but may act as a conduit for groundwater contaminant migration. Significant groundwater flow in the unconsolidated deposits is typically within higher permeability deposits of sands and silts. Locally, groundwater in unconsolidated deposits is anticipated to flow to the east toward Lake Michigan. Groundwater in the regional bedrock aquifer generally flows eastward to Lake Michigan.

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 Industrial Pumping site adjacent to the west of the subject site is toward the east-southeast. Groundwater flow is potentially influenced by utility trenches nearby that may be intersecting the water table.

3.3 Local Contaminant Pathways and Receptors

The potential for utilities on, and adjacent to the site, to act as preferred pathways for contaminant migration has been assessed as part of the site investigation and it is possible that sanitary sewer laterals and/or municipal water lines may provide preferred conduits for groundwater contaminant migration. The Kenosha Water Utility did not have information on the depths of these utility trenches however, they are likely relatively shallow. As a consequence, it is unknown if they intersect the water table under typical depth to water conditions at the site. Based on the fact that the utility trenches are likely shallow and the immediately surrounding areas are unpaved, it is deemed unlikely that the utilities provide preferred conduits for significant volatile organic vapor migration. The nearest storm sewers in the area are located beneath 34th Avenue and 67th Street and are unlikely to intersect with contamination from the Heimes site. The utility locations are illustrated on Figures 13 and14.

The pond in Lincoln Park on 22nd Avenue, approximately one mile to the east of the site is the nearest potentially affected surface water body. Lake Michigan is located two miles to the east of the site.

It should be noted that 66th Street is paved with gravel as it presumably was at the time of a number of the historic oil spills that occurred there. The gravel pavement provides a porous surface into which petroleum could easily infiltrate. Several feet of permeable fill materials are present at, and in the area surrounding, the site that may provide a pathway for near-surface contamination to migrate laterally above the less permeable native clay. The native silt layer in the area may allow for significant migration if contaminants penetrate the overlying native clay.

Municipal water and sanitary sewer lines are present at the site. The sanitary sewer and municipal water lines traverse the Heimes Garage site, the former Industrial Pumping site, 66th Street and the Yutka Storage site. These subsurface utilities present a potential preferred conduit for contaminant migration. The depths of these utility trenches were not available the Kenosha Water utility. As a consequence, it is not known if the trenches may also intersect the water table, potentially intercepting contaminated groundwater. However, due to shallow groundwater in the area, it is possible that the utility trenches intersect with the water table.

Groundwater flow at the Heimes site is to the southeast and south. The groundwater flow at the Industrial Pumping site was determined to be toward the east-southeast.

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 is extremely remote.

3.4 Local Contaminant Sources Assessment

Based on general knowledge of the area surrounding the site, along with a review of the WDNR Bureau of Remediation and Redevelopment Tracking System (BRRTS) database, there are several contaminated sites located in the vicinity of the Heimes site. One site, the former Industrial Pumping property is located adjacent to the west and generally up-gradient hydraulically from the Heimes site. Historical contamination from the former Industrial pumping site presents the greatest potential for off-site impacts to the Heimes site. The WDNR RR Sites Map illustrating the locations of sites with known contamination in the surrounding area is provided as Figure 15.

During development of the SIWP (MEC October 2019) for the Yutka Storage site adjacent across 66th Street to the south of the Heimes Garage site, MEC conducted an onsite review of the WDNR files for four sites located in the vicinity of the Heimes site and selected relevant excerpts for copying and further review. In addition, MEC evaluated data from the Yutka Storage site, which is currently under investigation by MEC. In particular, site investigation data from within the 66th Street right-of-way immediately adjacent to the Heimes site that was obtained as part of the Yutka investigation was evaluated. The pertinent findings of these reviews are summarized below. For a more detailed discussion of the findings with regard to the other sources of contamination in the vicinity of the site, please refer to the Heimes Garage SIWP (MEC – August 2019).

It should also be noted that although there is no WDNR file associated with the location, there was a large bulk petroleum facility on the railroad right-of-way (ROW) immediately adjacent to the north of the Heimes site and potentially upgradient. Based on the Sanborn Fire Insurance maps for the area, there appears to have been a pipeline connecting the bulk facility on the railroad ROW to the tank farm on the Heimes site, supplying the Heimes site. There is a potential that petroleum contamination is present associated with the railroad bulk facility is present on the ROW. However, based on the Heimes site investigation data, there is no indication of impacts to the site from the railroad ROW. The 1950 Sanborn map is provided on Figure 16.

MEC File Review Spill Incidents – 3500 Block 66th Street: MEC reviewed and obtained excerpts of the WDNR file regarding spill incidents that occurred in the 66th Street ROW immediately adjacent to the Heimes Garage site and former Industrial Pumping site, adjacent to west of Heimes.

In February 1988, the Kenosha Fire Department hazardous materials team responded to an oil spill in the 3500 block of 66th Street. The location was listed as the alley (66th Street) adjacent to Industrial Pump, Inc. The source of the spill was variously listed as leaking tanker/leaking storage tanks located at the Industrial Pumping, Inc. facility at 3502 66th Street. The material spilled was listed as both unknown and cutting oil. The volume of the spill was listed as approximately 100 gallons. Sampling and analysis of the spilled material revealed the presence of lead at 590 mg/kg and an absence of the other metals tested. A field test indicated polychlorinated biphenyls (PCBs) were less than 50 ppm.

An April 1988 follow up letter from the WDNR made recommendations regarding security of the oil storage and transfer system at the Industrial Pumping site and noted the presence of an area of leaked oil where hoses are coupled/uncoupled that required secondary containment.

In August 1990, the Kenosha County Department of Emergency Government responded to another oil spill in the 3500 block of 66th Street, also emanating from the Industrial Pump facility. The spill volume was estimated at 100 gallons and was cleaned up by Industrial Pumping. Sampling and analysis of the spilled material revealed the presence of polychlorinated biphenyls (PCBs) and VOCs, including CVOCs. The material was deemed by the WDNR not to constitute a hazardous waste.

In September 1991 an incident occurred involving material leaking from drums located inside a truck at the Industrial Pumping site. The Kenosha County Department of Emergency Government contacted the WDNR with concerns that the material may be hazardous waste, that it should be identified as soon as possible and that it may not be handled properly.

It should be noted that 66th Street is paved with gravel. The gravel pavement provides a porous surface into which petroleum could easily infiltrate, and then potentially migrate through permeable fill in the near subsurface and possibly to the silt and fine sand layer at depth.

Municipal water and sanitary sewer lines running north-south are present beneath 66th Street in the vicinity of the spills. The sanitary sewer and municipal water lines traverse the Heimes Garage site, the Industrial Pumping site, 66th Street and the Yutka Storage site on the south side of 66th Street. These subsurface utilities present a potential preferred conduit for contaminant migration.

DNR File Review – Former Industrial Pumping 3502 66th Street: In May 1992, the WDNR issued a responsible party letter to Mr. Kenneth Smith, the owner of Industrial Pumping, requiring an environmental site investigation and cleanup. Mr. Smith retained K. Singh and Associates as the environmental consultant for the project.

In June 1992, investigation activities began and were continued through July 1997. Eighteen soil borings (B-1 to B-18) were advanced on and adjacent to the Industrial Pumping site, seven of which were completed as groundwater monitoring wells (MW-1 to MW-7).

Soil samples collected from the borings were analyzed for some combination of the following; GRO, DRO, VOCs, PVOCs, total recoverable petroleum hydrocarbons (TRPH) and the eight RCRA metals. Groundwater samples collected from the wells were analyzed for some combination of the following; GRO, DRO, VOCs/PVOCs, PAHs, PCBs and the eight RCRA metals during several rounds of sampling.

Soil and groundwater contamination was identified both onsite and offsite to the east on the Heimes Garage property. Based on the contaminant distribution, it appears likely that contamination was also present beneath 66th Street, however this was not investigated. The former Industrial Pumping AST system configuration, soil boring and monitoring well locations, along with the distribution of soil and groundwater contamination and geologic cross-sections are illustrated on Figures 17 through 23.

Numerous soil samples were collected immediately adjacent to the Heimes western property line on the adjacent Industrial Pumping site. A total of five soil samples were collected from four soil borings (B-2, B-3, B-4 and B-8) located just across the property line from Heimes. Petroleum contamination was detected in all five samples however, three of the samples were collected from within the saturated zone where current groundwater protection RCLs do not apply. Two samples from borings B-4 and B-8, both located in the southeast corner of the Industrial Pumping site, were collected from the 3.5 to 5.0 depth interval and therefore, current groundwater protection RCLs may be applicable. Both samples exhibited trimethylbenzenes that would have exceeded the current groundwater protection RCLs. Soil boring B-4 was completed as groundwater monitoring well MW-4, which exhibited the highest degree of groundwater contamination at the Industrial Pumping site. The locations of all four of these borings were over-excavated during site remediation conducted at Industrial Pumping by K. Singh & Associates. The soil sample results are summarized on Table 6.

Six groundwater monitoring wells (MW-1 to MW-6) were installed on the Industrial Pumping site as part of the investigation. Three rounds of groundwater monitoring were conducted for monitoring wells MW-1 to MW-6 from June 1992 through June 1994. Only monitoring well MW-4, located in the southeast corner of the site exhibited GQS exceedances with contaminant concentrations increasing over time at the well. As a consequence, monitoring well MW-7 was installed by K. Singh on the Heimes site, down-gradient from MW-4. Monitoring well MW-7 was also sampled in June 1994. Similar to MW-4, MW-7 also exhibited benzene exceeding the ES.

Four soil borings (B-11, B-13, B-14 and B-18) were advanced on the Heimes site to depths between 10 and 15 feet bls as part of the site investigation for the adjacent Industrial Pumping site. Borings B-11, B-13 and B-14 were located along the western portion of the Heimes property, where the ASTs were formerly located on site. All three of these borings exhibited 4 to 5 feet of fill material consisting of sand and gravel with some silt, likely foundry sand. Soil boring B-18, located in the southeastern portion of the Heimes site exhibited about 2 feet of the sand and gravel fill material. This fill material was described as black at borings B-11, B-13 and B-18, with the material at B-11 additionally described as moist with organics. The fill materials did not exhibit elevated PID readings.

The soil samples collected by K. Singh were analyzed for a combination of VOCS, PAHS, PCBS, RCRA metals, GRO and/or DRO

With the exception of boring B-14, native clay was present beneath the fill material. B-14 exhibited a silty sand layer described as loose and yellowish beneath the fill at 5 feet bls with

medium to coarse grained sand present from 9 feet to the termination depth of the boring at 15 feet. The clay layer at boring B-13 exhibited the presence of some ¼-inch diameter pieces of material, noted as probable foundry slag, indicating that this layer may be fill or disturbed material. Borings B-11, B-13 and B-18 all exhibited a silt layer below the clay, encountered at depths between 5.5 and 9 feet bls and extending to the termination depths of the borings.

Samples from the silt and fine sand layer within the saturated zone in borings B-11 and B-14 exhibited the only PID readings above background levels at 4 ppm and 15 ppm, respectively. This would appear to indicate that the contamination is related to groundwater transport from upgradient, rather than vertical migration from above, or that contaminated soils at the surface were removed subsequent to removal of the ASTs at the Heimes site by the former owner Earl Heimes as indicated by his nephew Jerry Heimes during an interview in preparation of the ChemReport Phase I ESA Report for the Heimes site in 2006.

Gray soil conditions were noted at a depth of 5 feet bls at Boring B-11, advanced onsite as part of the Industrial Pumping site investigation, with MW-7, also installed as part of the Industrial Pumping investigation exhibiting depths to water of approximately 4 feet bls. MW-7 was constructed with a screened interval from 5.0 to 15.0 feet bls and was not purgeable to a dry condition. Boring logs and the monitoring well construction detail for the above borings are provided in Appendix A.

The soil sample from B-11 was analyzed for DRO and TRPH. Soil samples collected from borings B-13, B-14 and B-18 were analyzed for GRO, DRO, VOCs, PAHs, PCBs and RCRA metals. No PCBs were detected in any of the samples. The only PAH constituent detected was a low-level detection of naphthalene. None of the metals concentrations exceeded current BTVs. No chlorinated VOCs (CVOCs) were detected with the exception of chlorobenzene at borings B-14 and B-18.

Petroleum related contamination was present in all five of the soil samples collected and analyzed from Heimes. However, all of the soil samples appear to have been collected within the saturated zone and below the four-foot bls direct contact exposure zone. As a consequence, current RCLs cannot be applied to these samples. The contaminants were generally low level, with only benzene (B-13) and Chlorobenzene (B-14 and B-18) exceeding current groundwater protection RCLs, which as discussed above are not applicable to the saturated zone. The analytical results for the soil samples collected on the Heimes site as part of the Industrial Pumping site investigation are summarized on Table 7 and Figure 24, which also depicts the boring locations.

Monitoring well MW-7 was installed by K. Singh on the Heimes site, down-gradient from MW-4, which was the only well on the Industrial Pumping site that exhibited GQS exceedances. MW-7 was sampled seven times from July 1992 to February 1997. The samples were variously analyzed during those sampling events for a combination of the following; GRO, DRO, VOCs/PVOCs, PAHs, PCBs and one or more RCRA metals. Results for MW-7 revealed the presence of petroleum groundwater contamination but no CVOCs, PAHs, PCBs or RCRA metals, with the exception of dissolved cadmium during the July 1992 sampling round and arsenic during the August 1994 sampling round. Both the cadmium and the arsenic concentrations exceeded the respective preventive action limits PALs however, there is no indication if the arsenic sample was filtered to represent a dissolved concentration and therefore, the PAL may not have been applicable.

Benzene exceeding the ES and MTBE exceeding the PAL were the only petroleum related compounds exceeding GQSs at MW-7. Sampling rounds conducted subsequent to the March 1995 contaminated soil excavation at the Industrial pumping site exhibited decreasing benzene concentrations and stable to decreasing MTBE concentrations with both compounds being below ESs, but above PALs during the last sample round. The groundwater sample results for MW-7 are summarized on Table 8.

A WDNR hazardous waste field inspection of the Industrial Pumping facility was conducted in March 1994. Approximately 75 drums of waste oil and PCBs were observed on site. Waste profiles were submitted to Chemical Waste Management based on samples collected in September 1993, prior to clean out and removal of the Industrial Pumping oil processing facility. The estimated volume was 50 drums each of oily liquids and oily solids. The oily solids were indicated to have a PCB concentration of 533 ppm. The copies were faxed to the DNR Waste Management Bureau, noting that as of April 1994, the materials had not been removed.

In March 1995, K. Singh directed the excavation and disposal of 5,338 tons of contaminated soil from the Industrial Pumping site and from the northwest portion of the Heimes Garage site onto which the excavation was extended based on elevated PID readings and strong gasoline odors. In addition, 24,000 gallons of contaminated groundwater were pumped out of the excavation and transported offsite for treatment/disposal. Approximately 300 cubic yards of contaminated soil was excavated to a depth of about nine feet from the northwestern portion of the Heimes Garage site as part of the Industrial Pumping cleanup. The area of excavation is illustrated on Figure 25.

Note: Although only minor detections of CVOCs were identified during the Industrial Pumping investigation and cleanup, one of the soil stockpile samples collected during the remedial soil excavation (SP#2) exhibited a significant PCE concentration of 1430 ug/kg, three orders of magnitude higher than the current groundwater protection RCL.

With the exception of that portion of the excavation that extended onto the Heimes site, the southern and eastern extents of the excavation were located at the southern and eastern property lines of the industrial pumping property. Forty-two soil samples were collected from the final limits (base and walls) of the excavation. Twelve of these soil samples were collected immediately adjacent to the western Heimes property line. Two of the samples were collected on the Heimes property where the excavation extended onto the northwest corner of the site. The samples were analyzed for some combination of the following analytes: GRO, DRO, PAHs, PVOCs plus 1,2-Dichlorothane and lead.

PAHs were analyzed in only one excavation soil sample and were not detected. None of the lead concentrations exceeded the current backgound threshold value or RCLs. All but three of the samples exhibited the presence of petroleum contamination. The seven samples collected from the base of the excavation at depths ranging from 8 to 10 feet bls were all below the zone of saturation and therefore, current RCLs are not applicable. The wall samples, collected at depths ranging from 4 to 5.5 feet bls appear to be within the unsaturated zone and therefore, current groundwater protection RCLs would be applicable. However, none of these wall samples exhibited concentrations exceeding current groundwater protection RCLs.

Two wall samples (A-4W and A-3W) collected near the southeast corner of the excavation and at the adjacent property lines exhibited DRO concentrations exceeding the generic RCL in place at that time, indicating additional offsite contamination to the south (66th Street right-of-way) and east (Heimes Garage). Wall sample F-2W collected on the northwest portion on the Heimes site exhibited GRO and DRO concentrations exceeding the generic RCLs in place at the time. The laboratory results for the excavation soil samples collected on, or immediately adjacent to, the Heimes site are summarized on Table 9. The excavation soil sample locations are illustrated on Figure 25.

K. Singh excavated three test pits to depths of six feet on the Heimes site in March 1995. Soil samples were collected from each of the test pits and field screened for the presence of volatile organic vapors with a PID. PID readings ranged for no detection to 195 ppm. No soil samples from the test pits were submitted for laboratory analysis. K. Singh concluded that apparent contamination in the test pits was higher than the soil samples collected from the eastern wall of

the remedial soil excavation at the property line between the two sites and that therefore, contamination at the test pit locations originated from sources on the Heimes site and not from Interstate Pumping. As a consequence, Singh halted further excavation to the east on the Heimes site, which had previously been planned. In an April 1995 letter to the WDNR, Singh and Associates cited the test pit results and attributed the contamination on the Heimes Garage property to bulk petroleum aboveground storage tanks formerly located at the Heimes site. The test pit locations are illustrated on Figure 25.

In 1995, subsequent to the remedial soil excavation, additional wells (MW-1R, MW-2R and MW4R to MW-6R) were installed beyond the limits of excavation to replace monitoring wells MW-1, MW-2 and MW-4 to MW-6 which were removed or destroyed as a result of the excavation. The replacement wells were all located on the Industrial Pumping property. MW-3, also destroyed during the excavation was not replaced. The replacement wells and MW-7, located on the Heimes property, were sampled twice between July/August 1995 and January 1996, with the exception of MW-1R and MW-2R which could not be located during the January 1996 sampling event. All results were below MDLs with the exception of MW-7, located on the Heimes property, which exhibited benzene concentrations exceeding the PAL, but no longer exceeding the ES.

In June 1996, K. Singh requested case closure, which was denied by the WDNR in September 1996, citing groundwater contamination at MW-7, located on the Heimes property and the need to provide documentation of a separate contaminant source on that property. Singh subsequently provided a map obtained from the Kenosha Fire Department (See Figure 26) documenting the former presence of petroleum bulk ASTs on the Heimes property, conducted additional sampling of MW-7 yielding an absence of ES exceedances and again requested closure in February 1997. The WDNR granted closure in May 1997, conditioned on documentation of the proper abandonment of all groundwater monitoring wells at the site being provided. By accepting K. Singh's argument for a second source of petroleum contamination from the former Heimes ASTs and granting closure to the Industrial Pumping site, the WDNR essentially acknowledged that a petroleum release had occurred from the bulk petroleum storage system on the Heimes property. However, no Responsible Party letter was issued for the Heimes site. In February 2007, Singh provided the well abandonment documentation to the WDNR, resulting in final case closure.

Based on MEC's review of the WDNR files, multiple releases of petroleum that included CVOCs from the Industrial Pumping site occurred in, and immediately adjacent to, 66th Street. However, investigation of soil and groundwater contamination within the right-of-way, including

underground utilities which may have provided preferred contaminant migration pathways was never conducted during the Industrial Pumping site investigation. As discussed below, site investigation activities for the adjacent Yutka Storage site have identified petroleum and non-petroleum soil and groundwater contamination within the 66th Street ROW, with CVOCs exceeding both soil RCLs and GQSs. The CVOC contamination has impacted the Heimes site at locations adjacent to the 66th Street ROW.

MEC Environmental Site Investigation Activities – Yutka Storage: As of the date of this SIR, MEC is currently conducting an environmental site investigation at the Yutka Storage site, across 66th Street to the south of Heimes. The investigation included advancing four direct-push soil borings (HP-1 to HP-4), in December 2017, within the 66th Street ROW adjacent to the Yutka, Heimes and Industrial Pumping sites to facilitate the collection and analysis of soil and groundwater grab samples. The soil boring locations within the 66th Street ROW, adjacent to the Heimes site are illustrated on Figure 27.

One soil sample was collected from each of the soil borings within the 66th Street ROW and analyzed for VOCs and PAHs. The soil sample collected from boring HP-1 exhibited detections of all the PAH compounds analyzed, but at concentrations below RCLs. One VOC, PCE, was detected in the soil sample from HP-1. The PCE concentration exceeded the groundwater protection RCL. Soil boring HP-1 was located immediately adjacent to the southern property line of the former Industrial Pump site, which is likely the source of the soil contamination. The Yutka site 66th Street ROW soil sample results are summarized on Table 10.

The three remaining soil borings in the 66th Street ROW were advanced further to the east of HP-1, to the south of the Heimes Garage and Kenosha Steel Castings property lines. One PAH compound and no VOCs were detected in the three remaining soil samples collected within the 66th Street ROW, with no RCLs exceeded.

Groundwater grab samples were collected from all four of the borings advanced within the 66th Street ROW and analyzed for VOCs. VOCs were detected in the samples from HP-1W, HP-2W and HP-3W. MTBE, present in samples HP-2W and HP-3W, was the only petroleum related VOC detected, with no GQS exceedances. CVOCs were detected in both HP-1W and HP-3W, with vinyl chloride exceeding the ES in sample HP-3W. The CVOCs detected are all breakdown products of PCE, which was present in the soil sample from boring HP-1 exceeding the groundwater protection RCL. The Yutka site 66th Street ROW groundwater sample results are summarized on Table 11.

Due to a laboratory error, the groundwater samples discussed above were left unrefrigerated for several days, requiring that the analytical results to be flagged. As a consequence, four soil borings (HP-1R to HP-4R) were advanced in the same locations as HP-1 to HP-4 in January 2018, to collect additional groundwater samples for VOC analysis.

The results were similar to those from the first set of groundwater samples, with MTBE in three of the samples (HP-2WR to HP-4WR) being the only petroleum related compound detected, with no GWQ exeedances. CVOCs were detected in all four of the groundwater samples, with vinyl chloride exceeding the ES in samples HP-3WR and HP-4WR. Once again, the CVOCs present were all breakdown products of PCE, which exceeded the groundwater protection RCL in the soil sample from boring HP-1 located adjacent to the Industrial Pumping site. The Yutka groundwater sampling locations within the 66th Street right-of-way are illustrated on Figure 28.

Contamination within the 66th Street ROW has impacted the Heimes Garage site. Based on the apparent down-gradient location of the Yutka Storage site and generally low-level contamination identified on that site by the site investigation thus far, it is considered unlikely that the Heimes site will be impacted by contamination from the Yutka site.

The Yutka Storage site investigation observations tend to confirm the prevalence of historical filling in the general area around the Heimes site, predominated by foundry sand fill.

4.0 SOIL INVESTIGATION

4.1 Field Activities

On September 16, 2019, Midwest Environmental Consulting advanced 8 direct-push soil borings (DP-1 through DP-8) at the site. The direct-push soil boring locations are illustrated on Figures 2.

The borings were advanced to depths of 10 to 15 feet bls. Soil cores were retrieved from the direct-push soil borings at 5-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 PID. PID readings ranged from no detect to 977 ppm. Strong petroleum odors and or staining were observed at borings DP-2 and DP-3. Based

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

On January 21 and 22, 2020, five hollow-stem auger (HSA) soil borings (MW-1 to MW-5) were advanced at the site for the purpose of installing groundwater monitoring wells. The borings were all advanced to depths of 12 to 14 feet bls. Due to the proximity of many of these borings to previously advanced direct push borings, four of the borings were for the most part blind drilled, with split-spoon samples collected at the borehole bottoms. The exception was boring MW-5, located on the Kenosha Steel Castings property. Split-spoon samples were collected from boring MW-5 at standard two-foot intervals to the termination depth of the boring. No elevated PID readings were observed at any of the borings. No soil sample were collected for laboratory analysis.

On March 26, 2020, three HSA borings (MW-6 to MW-8) were advanced further down-gradient from the site on the Kenosha Steel Castings property and Yutka Storage site for the purpose of installing additional groundwater monitoring wells. No elevated PID readings were observed and no soil samples were collected for laboratory analysis.

The western site surface on the Heimes Garage site consists of 0.5 to 0.75 feet of gravel with sand. Concrete pavement is present between the two on-site buildings, with grass to the north of the office/residence and to the south of the garage and around the perimeter. The site surface on the Kenosha Steel Castings property near the property line and the pole barn exhibits 3 to 5 inches of clay topsoil where grass is present, with foundry sand present elsewhere. Fill materials, consisting of foundry sand with variable amounts of clay, bricks and clinkers is present across the site and much of the surrounding area extending to depths ranging from 1.25 to 6 feet bls.

Native soils observed beneath the fill materials consisted of a clay layer with variable amounts of silt, sand and/or gravel extending to depths of up to 10 feet bls. A silt and fine sand layer is present beneath the clay and extends to at least 15 feet bls, the termination depth of the deepest soil borings. Soil observations indicative of saturated conditions were encountered at depths ranging from approximately 5 to 8 feet bls. Geological cross-sections A-A', B-B' and C-C' are illustrated on Figures 4 to 6.

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 a total of ten 55-gallon drums for proper disposal. The waste disposal manifests are provided in Appendix B.

4.2 Soil Sample Laboratory Analysis

A total of nine soil samples were submitted to a state-certified laboratory for analysis. The samples were analyzed for PVOCs and PAHs.

One or more PVOCs were present in three of the nine soil samples analyzed. PAHs were detected in all but one of the nine samples analyzed. The laboratory results are summarized on Table 1. The laboratory report is provided in Appendix C.

4.3 Discussion

MEC evaluated the Phase II ESA, site investigation and remedial soil excavation soil sample results for samples collected on, or adjacent to, the site using the most recent (December 2018) WDNR spreadsheet for determining RCL exceedances for both direct contact and groundwater protection.

None of the eight soil samples collected by MEC from within the direct contact exposure zone (0 to 4 feet bls) exhibited contaminant concentrations exceeding direct contact RCLs. The site is zoned G-2, Commercial and therefore, non-industrial direct contact RCLs would apply at the site.

Of the nine soil samples collected from the unsaturated zone only three samples from two boring locations (DP-2 and DP-3) exhibited contaminant concentrations of exceeding RCLs protective of groundwater. Naphthalene exceeded the RCL for protection of groundwater in all three samples and was the only compound to exceed a groundwater protection RCL at the site.

The distribution of petroleum soil contamination exceeding groundwater protection RCLs is limited to the area of the former AST farm as illustrated on Figure 3 and in cross-sectional view on Figures 4, 5, and 6.

The PCE concentration exceeded the groundwater protection RCL in a soil sample collected from the 66th Street ROW as part of the Yutka Storage site investigation. Soil boring HP-1 was

located immediately adjacent to the southern property line of the former Industrial Pump site, which is likely the source of the soil contamination, where historic spills containing CVOCs and a remedial soil excavation stockpile sample (SP#2) exhibited a significant PCE concentration of 1430 ug/kg. No CVOCs have been detected in soil onsite with the exception of chlorobenzene at low levels in samples from former Industrial Pumping borings B-14 and B-18.

PVOCs and/or naphthalene were detected in all six of the PEP soil samples analyzed, with five of the samples exhibiting one or more compounds exceeding groundwater protection RCLs current as of December 2018. The levels observed in the PEP borings were considerably higher than those observed in soil samples from the MEC borings located at or nearby the same locations, indicating the occurrence of significant degradation in the seventeen intervening years. Although current industrial direct contact RCLs were exceeded in two of the samples, all of the soil samples were collected from below the upper four-foot direct contact zone and are therefore, the direct contact RCLs are not applicable. The site is zoned G-2 Commercial. As a consequence, non-industrial direct contact RCLs apply at the site.

It is uncertain if, or the extent to which, petroleum soil contamination from the former Industrial pumping and Heimes site comingled. However, soil samples collected at the eastern extent of the Industrial Pumping remedial soil excavation appears to indicate that it was not substantial. None of the lead concentrations from K. Singh exceeded the current background threshold value or RCLs.

Whether due to the type of material released from the tank farm, the soil removal reportedly performed when the ASTs were removed or the age and weathering of the release, there is a general absence of lighter end compounds, such as benzene and the prevalence of heavier end compounds, such as naphthalene and trimethylbenzenes, in the low levels of petroleum soil contamination remaining at the site, as documented by the samples collected by MEC. Petroleum soil contamination exceeding RCLs has been defined and does not extend offsite.

5.0 GROUNDWATER INVESTIGATION

5.1 Field Activities

On September 16, 2019, temporary groundwater sampling points were installed in all eight of the direct-push soil borings advanced on, and in the vicinity of, the site. Soil observations

indicative of saturated conditions were encountered at depths ranging from approximately 5 to 8 feet bls. The direct-push soil boring and temporary groundwater sampling locations are illustrated on Figures 2.

Groundwater samples (DP-1W to DP-8W) were collected from each of these temporary sampling locations. The temporary sampling points consisted of 1-inch PVC riser and 5 to 10 feet of screen.

On January 21 and 22, 2020, five groundwater monitoring wells (MW-1 to MW-5) were installed on, and adjacent to, the site. The screened sections for the wells extended from either 2 to 12 or 4 to 14 feet bls. The wells were developed on January 22, 2020.

All five of the site monitoring wells were purged and sampled on January 29, 2020. 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 February 17, 2020. The wells were surveyed relative to a fire hydrant located on the east side of 34th Avenue, approximately 50 feet south of the intersection with 66th Street with an elevation of 633.45 feet above mean sea level (MSL) according to the Kenosha Water utility.

On March 26, 2020, three monitoring wells (MW-6 to MW-8) were installed further downgradient from the site to provide additional definition of the extent of groundwater contamination. The screened sections for all three wells were from 2 to 12 feet bls. The new wells were also developed on March 26, 2020.

On March 31, 2020, the three newly installed wells were purged and sampled with the five previously existing wells sampled for a second time. The elevations of the new wells were surveyed on April 14, 2020.

Seven 55-gallon drums of development and purge water were generated by the groundwater investigation activities. The waste manifests are provided in Appendix B.

5.2 Groundwater Sample Laboratory Analysis

A total of eight groundwater samples from the temporary groundwater sampling points were submitted to a state-certified laboratory and analyzed for VOCs. The groundwater samples

collected during the first sampling event for each of the eight monitoring wells were also analyzed for VOCs. The second set of groundwater samples collected from monitoring wells MW-1 to MW-5 were analyzed for PVOCs and naphthalene. Groundwater samples were not analyzed for PAHs as the soil results showed that the only PAH compound that exceeded a groundwater protection RCL was naphthalene, which was included in the VOC analysis.

One or more contaminants were found to be present in five of the eight temporary groundwater sampling point samples collected from the site and analyzed. One or more contaminants were detected at six of eight groundwater monitoring locations. The laboratory results are summarized on Table 2. The laboratory report is provided in Appendix C.

5.3 Discussion

Groundwater sampling results revealed GQS exceedances were present in five of the eight groundwater grab sampling locations and six of the eight monitoring well locations. The petroleum groundwater contamination exceeding GQSs is present at, and downgradient from, the on-site AST and UST source areas, extending beneath the Kenosha Steel Castings property and the 66th Street ROW to the east and south of the site, respectively.

All of the contaminants identified at, and downgradient from, the AST and UST source areas are petroleum related compounds. This includes 1,2-dichloroethane (1,2-DCA) identified at two locations (DP-2W and DP-3W/MW-1) in the AST source area at concentrations exceeding the PAL. 1,2-DCA was used historically as a gasoline additive.

Non-petroleum related CVOC groundwater contamination was present at sampling locations both within, and adjacent to, the north and south sides of 66th Street. The source of the CVOC groundwater contamination in and adjacent to the 66th Street ROW appears to be the former Industrial Pumping site, immediately upgradient from the subject site.

The CVOCs present are either PCE or it's breakdown products with the exception of 1,2-DCA and trichloroethene (TCE). PCE exceeded the groundwater protection RCL in soil at the Yutka Storage soil boring HP-1, located within the 66th Street ROW and adjacent to the former Industrial Pumping site. TCE was detected at a concentration below GQSs at MW-7, adjacent to 66th Street on the Kenosha Steel casting property and is likely related to the CVOC contamination that appears to be associated with the former IP site. 1,2-DCA exceeded the PAL in the west-central portion of the subject site at locations DP-2, DP-3 and MW-1. 1,2-DCA was

used as a gasoline additive and therefore, likely originated from Heimes ASTs. 1,2-DCA has not been detected in soil onsite.

CVOCs exceeding GQSs were present on the Heimes Garage site at one groundwater sampling location (DP-4/MW-2) adjacent to 66th Street, where vinyl chloride exceeded the ES, as well as on the Kenosha Steel Castings site (MW-7), also adjacent to 66th Street, where PCE exceeded the PAL. Monitoring well MW-8, located adjacent to the south side of 66th Street on the Yutka Storage site also exhibited the presence of PCE exceeding the PAL.

CVOCs were detected at two (HP-1W and HP-3W) of the four groundwater grab samples from locations within the 66th Street ROW installed as part of the Yutka Storage site investigation, with vinyl chloride exceeding the ES in sample HP-3W. CVOCs were detected in all four of the groundwater samples (HP-1WR to HP-4WR) collected during the resampling of the 66th Street ROW groundwater samples, with vinyl chloride exceeding the ES in samples HP-3WR and HP-4WR.

The over-all extent of groundwater quality standard exceedances is illustrated on Figure 7 and in cross-sectional view on Figures 4, 5 and 6.

Monitoring well MW-7, installed on the Heimes site as part of the Industrial Pumping site was sampled seven times from July 1992 to February 1997. The samples were variously analyzed for a combination of the following; GRO, DRO, VOCs/PVOCs, PAHs, PCBs and one or more RCRA metals. Results for MW-7 revealed the presence of petroleum groundwater contamination but no CVOCs, PAHs, PCBs or RCRA metals, with the exception of dissolved cadmium during the July 1992 sampling round and arsenic during the August 1994 sampling round. Both the cadmium and the arsenic concentrations exceeded the respective preventive action limits PALs however, there is no indication if the arsenic sample was filtered to represent a dissolved concentration and therefore, the PAL may not have been applicable to the arsenic results.

Benzene exceeding the ES and MTBE exceeding the PAL were the only petroleum related compounds exceeding GQSs at MW-7. Sampling rounds conducted subsequent to the March 1995 contaminated soil excavation at the Industrial pumping site exhibited decreasing benzene concentrations and stable to decreasing MTBE concentrations with both compounds being below ESs, but above PALs during the last sample round. The groundwater sample results for MW-7 are summarized on Table 8.

PVOCs were detected in all three PEP Phase II ESA groundwater grab samples, with one or more current enforcement standards exceeded in two of the samples. All of the PVOCs exceeded ESs in the sample from boring B-6, located within the former UST cavity. Groundwater samples collected by MEC from boring DP-6 and monitoring well MW-3, located adjacent to the former UST cavity, exhibited substantially lower concentrations, indicating significant degradation during the intervening 17 years.

Groundwater at the site is primarily present within the near subsurface native clay layer. Saturated conditions were observed in the direct-push soil borings at depths ranging from approximately 5 to 8 feet bls. Water depths in the monitoring wells range from approximately 1.4 to 5.0 feet bls. It should be noted that unusually wet conditions were prevalent during the months in which the site investigation field activities were conducted, potentially leading to more shallow saturated conditions than may have occurred historically and to water perched within the near surface fill material and on the top of the less permeable native clay layer.

Groundwater flow at the site appears to be somewhat variable toward the south and southeast. Part of this variability may be attributable to the unusually wet conditions that have prevailed during the investigation activities that appears to be resulting in water perched within the fill material and on top of the upper surface of the native clay layer. Groundwater flow is illustrated on Figures 8, 9 and 10. Groundwater elevation data is provided on Table 3

Near surface contamination at the site, particularly from the ASTs and UST dispenser and piping are likely to enter the relatively permeable near surface foundry sand fill materials. The native clay layer present beneath the fill would tend to limit the downward migration of groundwater contamination. The clay layer extends to a depth of 10 feet bls in the area of the former USTs, which is likely five feet or so below the bottom of the tank cavity.

Petroleum groundwater contamination exceeding ESs has been defined. Four petroleum related VOCs exceed GQSs at the site; benzene, 1,2-DCA, MTBE and naphthalene. Of those compounds, the only one that extends significantly beyond the source areas is the more water soluble, persistent and mobile MTBE. The other three compounds have been confined to the source areas or have receded to the source areas through the process of natural attenuation and concentrations are relatively low. In light of the above, it is apparent that natural attenuation has substantially reduced contaminant concentrations in groundwater leading to plume stability or retreat.

Non-petroleum CVOCs do not originate from the Heimes site, but rather from the former Industrial Pumping site adjacent to the west and remain incompletely defined.

6.0 VAPOR INTRUSION SCREENING

In April 2020, Midwest Environmental Consulting (MEC) completed vapor intrusion screening for the on-site buildings and the pole barn in the southwest corner of the Kenosha Steel Castings property, downgradient of the site. All three buildings are of concrete slab-on-grade construction. The residence/office while heated, air conditioned and routinely occupied, is not near any locations where VOCs were detected. As a consequence, the vapor intrusion screening primarily focused on the garage building on the Heimes site and the pattern storage pole barn on the adjacent Kenosha Steel Castings property. Both of these buildings are poorly sealed with overhead doors for vehicle access that make the potential for the migration and buildup of vapors inside the buildings highly unlikely.

The garage building has an overhead gas furnace for the cold weather months however, the building is only occupied for vehicle repair and maintenance on an intermittent basis and therefore, the duration of, and potential for, exposure is very limited. The pole barn is used for casting pattern storage, is unheated and occupied only when casting patterns are stowed or retrieved consequently, the duration of exposure is extremely limited.

Existing soil and groundwater data were reviewed to assess the potential for VOC/PVOC vapor intrusion of the buildings. No CVOCs have been detected in soil onsite with the exception of chlorobenzene at low levels in samples from Industrial Pumping borings B-14 and B-18. However, a CVOC, specifically PCE has been identified at a concentration exceeding the groundwater protection RCL within the 66th Street ROW, immediately adjacent to the Former Industrial Pumping site, which is the source of this CVOC contamination.

CVOC groundwater contamination has been identified at concentrations exceeding GQSs at three groundwater grab samples from locations within the 66th Street ROW collected as part of the Yutka Storage site investigation. CVOCs exceeding GQSs have also been observed on the Heimes garage site at one groundwater sampling location (DP-4/MW-2) adjacent to 66th Street as well as on the Kenosha Steel site (MW-7), also adjacent to 66th Street. The source of this CVOC groundwater contamination also appears to be the former Industrial Pumping site, immediately upgradient from the subject site. The exception to this is the presence of 1,2-DCA exceeding the PAL in the west-central portion of the subject site at locations DP-2, DP-3 and

MW-1. 1,2-DCA was used as a gasoline additive and therefore, likely originated from the onsite ASTs. 1,2-DCA has not been detected in soil onsite.

The screening was conducted in accordance with the January 2018 WDNR guidance document RR-800 Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin. 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 site. Benzene, toluene, ethylbenzene and xylenes (BTEX) concentrations were nowhere near 10 mg/kg in soil or 20 mg/kg in groundwater in the samples analyzed, which the guidance identifies as NAPL indicators. PID readings at the site were generally low to no detect although, PID readings at DP-2 (517 ppm) and DP-3 (977 and 740) ppm exceeded 500 ppm, which is an indicator of NAPL per WDNR guidance. However, monitoring well MW-1 was installed at the location of DP-3 and no free product has been observed in the well during development or two rounds of sample collection. As a consequence, this avenue for vapor intrusion can be eliminated.

Building has less than 5 feet of separation from groundwater with benzene exceeding 1,000 ug/l: At approximately 1.4 to 5.0 feet bls, the groundwater table is within the five-foot distance listed in the guidance as presenting a risk of intrusion. The buildings screened are all concrete slab-on-grade. However, the highest benzene concentration at the site is 27.6 ug/l at MW-1, 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.

Building is less than 100 feet of separation from CVOC impacted soil: The garage on the subject property is approximately 75 feet from HP-1 where PCE was present in soil at a concentration of 0.441 mg/kg, exceeding the groundwater protection RCL. However, this contamination originated from an off-site source. As a consequence, while vapor intrusion of the garage may not be ruled out per the WDNR guidance, it is not the responsibility of the owner of the Heimes Garage site to investigate the PCE release or its consequences.

It should be noted however, that the garage building is only occupied for site operations on an intermittent basis and therefore, the duration of, and potential for, exposure is very limited. In

addition, the shallow depth of the soil contamination, lack of impermeable pavement in the area and the nature of the building with poorly sealed overhead doors for vehicle access make the potential for the lateral migration and buildup of vapors inside the building highly unlikely.

CVOC groundwater contamination exceeding ESs is present beneath a building: Vinyl chloride exceeded the ES at DP-4/MW-2 in September 2019 and January 2020, respectively. DP-4/MW-2 is approximately 15 feet south of the Heimes site garage building and 30 feet west of the Kenosha Steel Castings pattern storage pole barn. However, neither vinyl chloride nor any other CVOCs were detected in groundwater sample DP-5W located about 40 feet to the north-northeast of DP-4/MW-2, between the two buildings. In addition, the March 2020 sample collected from MW-7, located 7 feet south of the pole barn and 80 feet east of DP-4/MW-2, exhibited only a PAL exceedance for PCE. Furthermore, the lack of impermeable pavement in the area and the nature of the buildings with poorly sealed overhead doors for vehicle access make the potential for the migration and buildup of vapors inside the buildings highly unlikely.

In light of the above, it is improbable that vinyl chloride is present beneath either building at concentrations exceeding the ES, although it cannot be ruled out. While CVOC vapor intrusion of the garage may not be completely ruled out per the WDNR guidance, it is not the responsibility of the owner of the Heimes Garage site to investigate the CVOC release or its consequences.

Benzene and/or CVOCs exceeding PALs in contact with foundation or entering the building: PVOC and/or CVOC groundwater contamination exceeding PALs may be present beneath the garage and pole barn buildings. However, at 1.4 to 5.0 feet bls, groundwater is below the slab-on-grade foundations and the nature of the buildings makes vapor buildup unlikely. Therefore, this avenue for vapor intrusion can be eliminated as a concern.

PVOC impacted soil with potential for off-gassing: No PVOCs were identified in soil at the site at concentrations exceeding RCLs. One relatively low-level PAH (naphthalene) at concentrations exceeding the groundwater protection RCL in shallow soil at borings DP-2 and DP-3 are the only RCL exceedances at the site and do not pose a significant risk for lateral vapor migration or intrusion. Therefore, this pathway for vapor intrusion can be eliminated as a concern.

Utilities with PVOC and/or CVOC vapors: There is no evidence of vapors in utility trenches at the site. The sanitary sewer and municipal water utilities are shallow with little impermeable pavement above to prevent off-gassing to the atmosphere. With the relatively low level PVOC

and CVOC contamination and the long distance from contaminated areas to the office/residence building it is very unlikely that vapors would migrate to that building. The water line runs to the garage from 66th Street and then to the office/residence, which is too distant from the contaminated areas to be at significant risk. The construction and occupancy of the garage makes the potential for vapor accumulation remote. The pole barn is not served by underground utilities. This avenue can be eliminated as a concern.

PVOC odors: No odors were evident during site visits and are not present within the buildings in question, according the owners/occupants. It should be noted that due to the presence of CVOCs on the Yutka Storage site, a sub-slab vapor sample was collected from the building on that site on July 24, 2018 and analyzed for TO-15 VOCs as part of the Yutka Storage site investigation. The sample VOC concentrations were all below VRSLs for both the residential and small commercial exposure scenarios.

8.1 Discussion

Based on the vapor intrusion screening discussed above, performance of a petroleum vapor intrusion investigation was determined to be unwarranted per WDNR guidance. However, with regard to CVOC vapor intrusion, the degree, nature and extent of CVOC soil and groundwater contamination has not been fully defined. As a consequence, the potential for CVOC vapor intrusion cannot be thoroughly screened based on existing site data.

7.0 SUMMARY AND CONCLUSIONS

Midwest Environmental Consulting has completed site investigation activities at the Heimes Garage site at 3418 – 66th Street in Kenosha, Wisconsin, related to the past presence of petroleum ASTS and USTs at the site.

The is SIR summarizes historical environmental activities conducted on, and in the vicinity, that have impacted the Heimes site.

In September 2019, Midwest advanced eight direct-push soil borings at the site and on the Kenosha Steel Castings property adjacent to the east. Soil samples analyzed identified petroleum contamination in the on-site AST source area that exceeded RCLs for the protection of groundwater. No direct contact RCLs were exceeded. Groundwater grab samples from each

of these locations identified petroleum groundwater contamination exceeding ESs at the site. In addition, CVOCs were identified in groundwater at one location (DP-4), adjacent to 66th Street with vinyl chloride exceeding the ES.

In January and March 2020, MEC installed and sampled eight NR141 compliant groundwater monitoring wells, Sampling results confirmed presence of petroleum groundwater contamination exceeding groundwater quality standards (GQSs), which has been defined. Groundwater flow in the vicinity of the site is toward the south and southeast.

CVOCs were identified at concentrations exceeding GQSs in samples from monitoring wells located adjacent to 66th Street. The CVOC groundwater contamination is not attributable to the Heimes Garage site, but rather to the former Industrial Pumping site adjacent to the west.

Vapor intrusion screening conducted determined that vapor intrusion investigation sampling at the two buildings on site and one on the adjacent Kenosha Steel Castings property was not warranted per WDNR guidance with regard to the petroleum contamination that originated on the Heimes site. The vapor intrusion screening for the CVOCs detected on and adjacent to the site was less conclusive.

Based on the age of the petroleum releases and the relatively low levels of petroleum contamination remaining present in both soil and groundwater with respect to historical levels, it is apparent that natural attenuation has been occurring since the ASTs and USTs were removed and will bring the site into compliance over time.

In light of the above, case closure is warranted based on notification of the owner of the adjacent Kenosha Steel Casting property, as well as the City of Kenosha that the property and the 66th Street ROW have been affected by contamination from the site. The site will be included on the geographic information system (GIS) registry of sites with residual soil and groundwater contamination.

8.0 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.

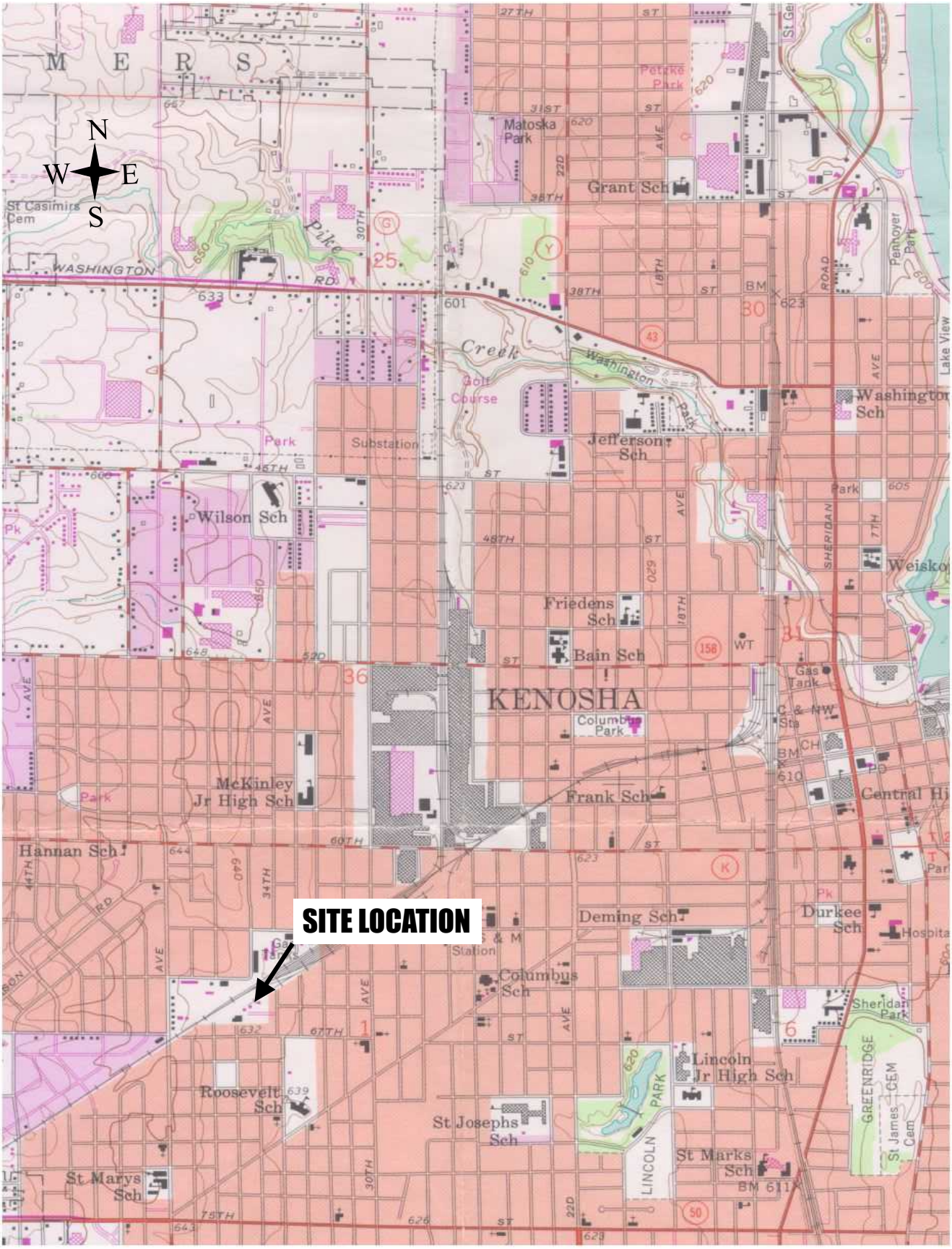
The conclusions presented herein have been developed from consideration of the project characteristics and interpretation of available information. Because only limited information is available, Midwest reserves the right to modify future site activities based on subsequent findings. The conclusions 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: 8/14/19	1
Scale: 8/14/19	
Drawn By: Not Scaled	1 of 24
S. Cranley	

Project Title and Address

FIGURE 1
SITE LOCATION MAP

Former Heimes Garage
3418 66th Street
Kenosha, WI 53140

MEC LLC
Midwest Environmental Consulting, LLC

Proposed Monitoring Well Location - Heimes

Groundwater Monitoring Well Location - MEC Jan. 2020 - Heimes

Soil Boring & Groundwater Grab Sampling Location - MEC Sept. 2019 - Heimes

Soil Boring & Groundwater Sampling Location - MEC 2016 - Yutka

Soil Boring & Groundwater Sampling Location - MEC 2017 & 2018 - Yutka

ND No Detects

NE No Exceedances

ES Inferred Extent of Petroleum VOC Groundwater Contamination Exceeding Enforcement Standards

ES Inferred Extent of Chlorinated VOC Groundwater Contamination Exceeding Enforcement Standards

GWP Inferred Extent of Petroleum VOC Soil Contamination Exceeding Groundwater Protection Residual Contamination Levels

GWP Inferred Extent of Chlorinated VOC Soil Contamination Exceeding Groundwater Protection Residual Contamination Levels

Water

SAN Sanitary Sewer

0 30

1" = 30'

NORTH

Grass

Office/ Residence Concrete Slab-on-Grade

Former Drum Storage Building

Former Heimes Garage Site

Foundary Sand/Slag

Grass

DP-1 ND

Concrete

MW-4 ND

DP-7 ND

Former AST System Pump House

Gravel

ES

Former Gasoline & Diesel USTs

MW-3

DP-8 ND

DP-6

DP-2

Interstate Cryogenics Building

MW-5

Grass

MW-1

DP-3

Former ASTs

GWP

Garage Concrete Slab-on-Grade

DP-5

Kenosha Steel Pattern Storage Building

Concrete Slab-on-Grade

MW-6

Grass

Concrete Driveway

Interstate Cryogenics/ Formerly Industrial Pumping

Gravel

Former ASTs

ES

Grass

DP-4

MW-2

MW-7

Grass

HP-1 NE

HP-2 NE

GWP

Gravel

HP-3

HP-4

66th Street

Gravel

ES

Grass

Concrete

HP-5 ND

MW-8

Concrete

HP-6

DP-2

HP-7 ND

DP-1 ND

Nardi Properties, LLC Building

Midwest Environmental Consulting, LLC

262-237-4351

FIGURE 2
DETAILED SITE MAP
HEIMES GARAGE
66TH STREET
KENOSHA, WI

Approved By: S. CRANLEY	Figure 2
Date Approved: 6/8/2020	
Date Drawn: 6/8/2020	
Drawn by: R. SCHWARTZ	

Proposed Monitoring Well Location - Heimes

Groundwater Monitoring Well Location - MEC Jan. 2020 - Heimes

Soil Boring & Groundwater Grab Sampling Location - MEC Sept. 2019 - Heimes

Soil Boring & Groundwater Sampling Location - MEC 2016 - Yutka

Soil Boring & Groundwater Sampling Location - MEC 2017 & 2018 - Yutka

ND No Detects

NE No Exceedances

GWP Inferred Extent of Petroleum VOC Soil Contamination Exceeding Groundwater Protection Residual Contamination Levels

GWP Inferred Extent of Chlorinated VOC Soil Contamination Exceeding Groundwater Protection Residual Contamination Levels

Water

SAN SAN SAN Sanitary Sewer

0 30

1" = 30'

NORTH

Office/ Residence

Former Drum Storage Building

Former Heimes Garage Site

DP-1 ND

MW-4 ND

DP-7 ND

Former AST System Pump House

Former Gasoline & Diesel USTs

MW-3

DP-8 ND

DP-2

DP-6

Interstate Cryogenics Building

MW-1

DP-3

Former ASTs

GWP

Garage

MW-5

DP-5

Kenosha Steel Pattern Storage Building

MW-6

Interstate Cryogenics/ Formerly Industrial Pumping

DP-4

MW-2

MW-7

Former ASTs

HP-1 NE

HP-2 NE

GWP

66th Street

HP-3

HP-4

HP-5 ND

HP-6

MW-8

DP-2

HP-7 ND

DP-1 ND

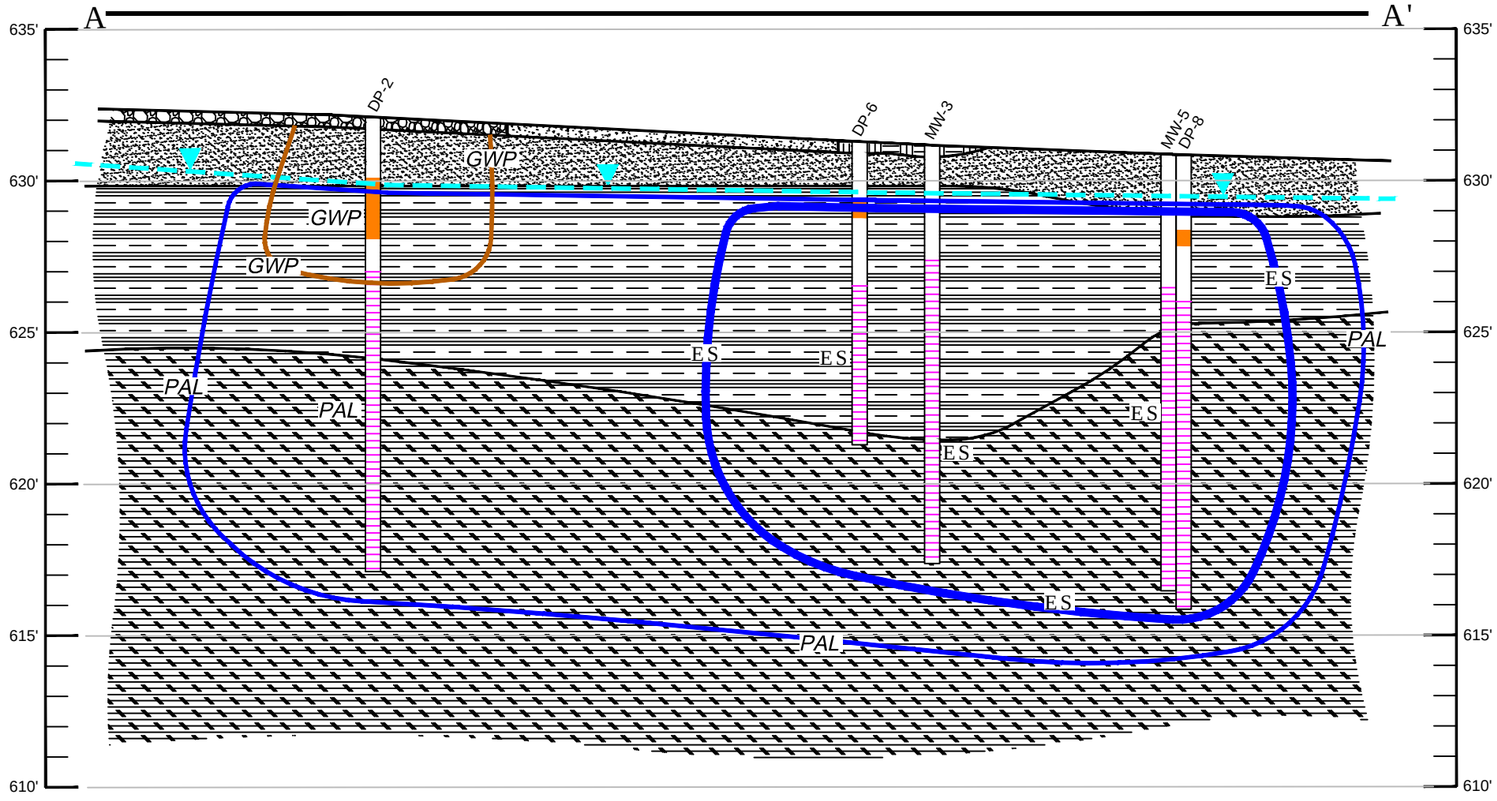
Nardi Properties, LLC Building

Midwest Environmental Consulting, LLC

262-237-4351

FIGURE 3
SOIL CONTAMINATION
HEIMES GARAGE
66TH STREET
KENOSHA, WI

Approved By: S. CRANLEY	Figure 3
Date Approved: 6/8/2020	
Date Drawn: 6/8/2020	
Drawn by: R. SCHWARTZ	



Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 5'

GWP	One or more Soil Contaminants Exceed Groundwater Protection RCLs
ES	One or more Groundwater Contaminants Exceed Enforcement Standards
PAL	One or more Groundwater Contaminants Exceed Preventive Action Limits
GWP	Inferred Extent of Petroleum VOC Soil Contamination Exceeding Groundwater Protection Residual Contamination Levels
GWP	Inferred Extent of Chlorinated VOC Soil Contamination Exceeding Groundwater Protection Residual Contamination Levels
ES	Inferred Extent of Groundwater Contamination Exceeding ESs
PAL	Inferred Extent of Groundwater Contamination Exceeding PALs
	Water Table

Well Screen Interval

Laboratory Soil Sampling Interval

Concrete Pavement

Gravel Pavement

Top Soil

Fill Material predominantly Foundary Sand with some Clay

Native Clay with Silt and/or Sand

Native Silt and/or Fine Sand

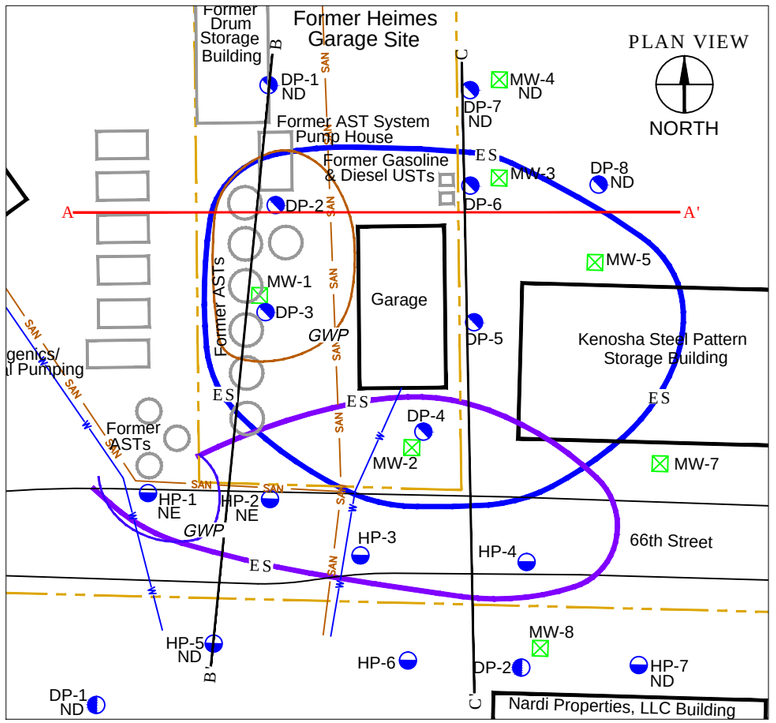


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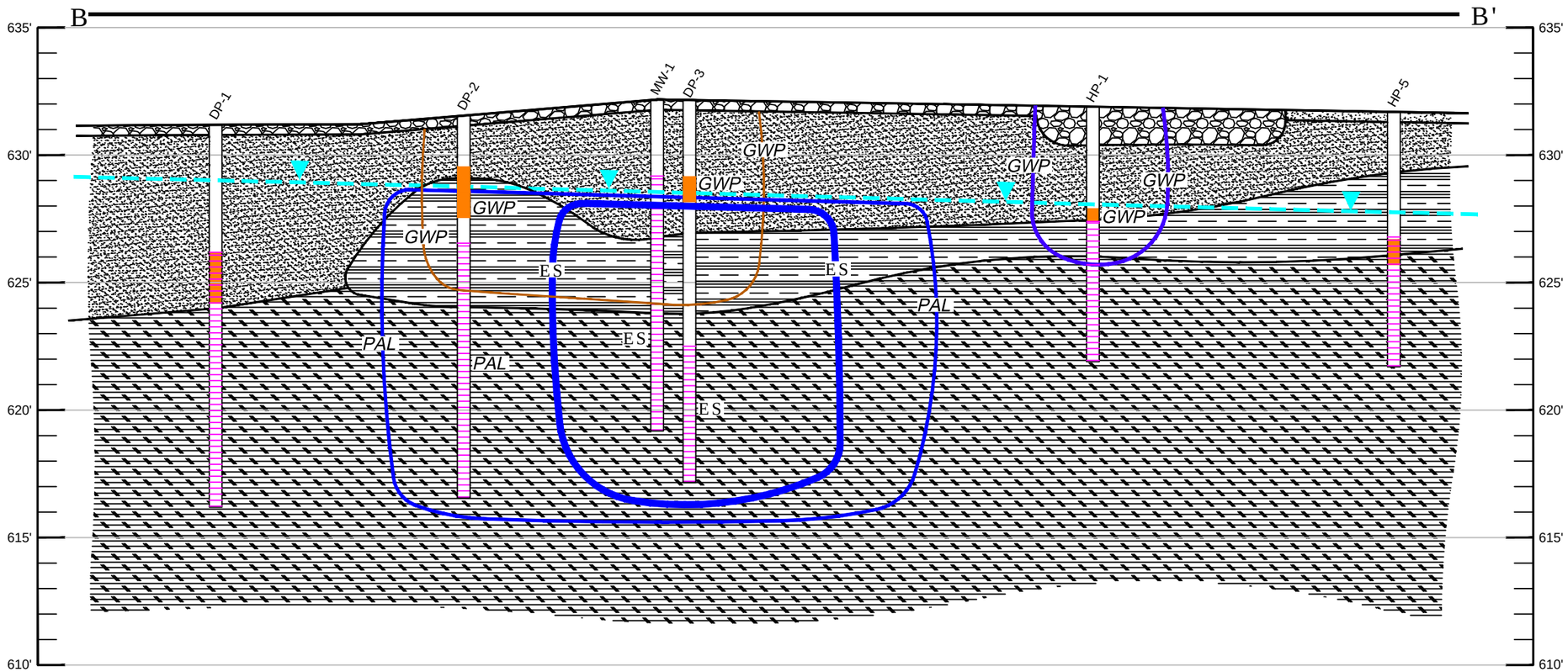
FIGURE 4
GEOLOGICAL CROSS-SECTION A-A'
HEIMES GARAGE
66TH STREET
KENOSHA, WI

Approved By: S. CRANLEY	Figure 4
Date Approved: 6/8/2020	
Date Drawn: 6/8/2020	
Drawn by: R. SCHWARTZ	



Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 5'

GWP	One or more Soil Contaminants Exceed Groundwater Protection RCLs
ES	One or more Groundwater Contaminants Exceed Enforcement Standards
PAL	One or more Groundwater Contaminants Exceed Preventive Action Limits
GWP	Inferred Extent of Petroleum VOC Soil Contamination Exceeding Groundwater Protection Residual Contamination Levels
GWP	Inferred Extent of Chlorinated VOC Soil Contamination Exceeding Groundwater Protection Residual Contamination Levels
ES	Inferred Extent of Groundwater Contamination Exceeding ESs
PAL	Inferred Extent of Groundwater Contamination Exceeding PALs
	Water Table

	Well Screen Interval
	Laboratory Soil Sampling Interval
	Concrete Pavement
	Gravel Pavement
	Top Soil
	Fill Material predominantly Foundary Sand with some Clay
	Native Clay with Silt and/or Sand
	Native Silt and/or Fine Sand

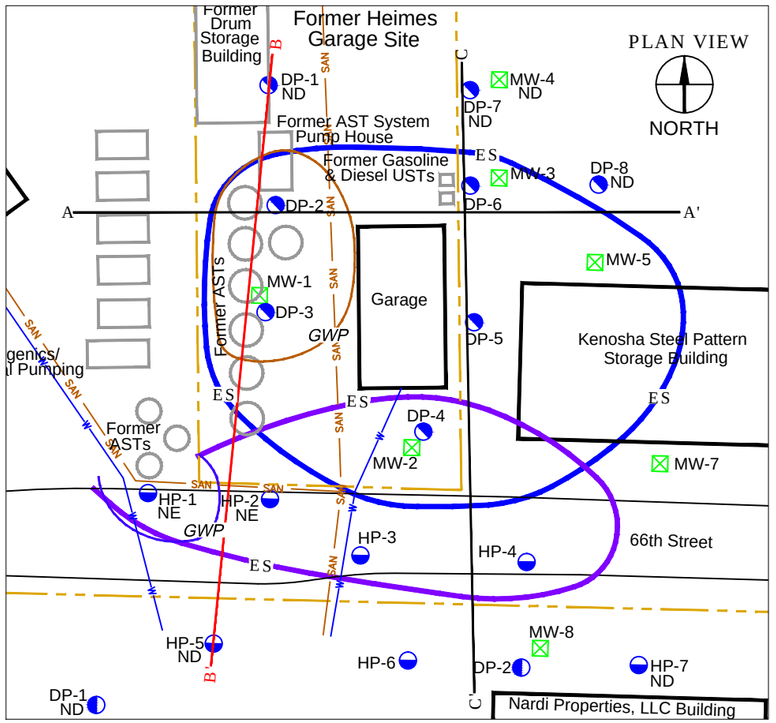


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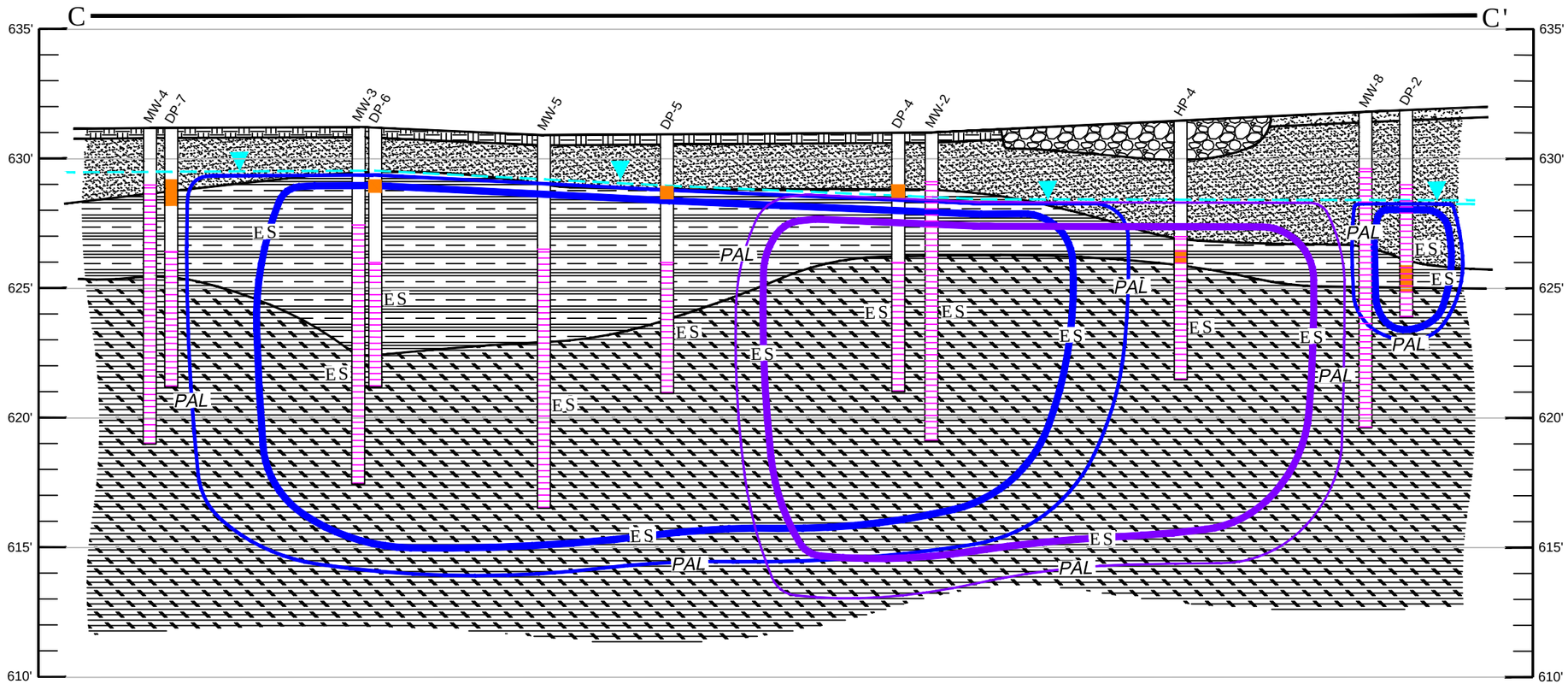
FIGURE 5
GEOLOGICAL CROSS-SECTION B-B'
HEIMES GARAGE
66TH STREET
KENOSHA, WI

Approved By: S. CRANLEY	Figure 5
Date Approved: 6/8/2020	
Date Drawn: 6/8/2020	
Drawn by: R. SCHWARTZ	



Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 5'

GWP One or more Soil Contaminants Exceed Groundwater Protection RCLs

ES One or more Groundwater Contaminants Exceed Enforcement Standards

PAL One or more Groundwater Contaminants Exceed Preventive Action Limits

GWP Inferred Extent of Petroleum VOC Soil Contamination Exceeding Groundwater Protection Residual Contamination Levels

GWP Inferred Extent of Chlorinated VOC Soil Contamination Exceeding Groundwater Protection Residual Contamination Levels

ES Inferred Extent of Groundwater Contamination Exceeding ESs

PAL Inferred Extent of Groundwater Contamination Exceeding PALs

Water Table

Well Screen Interval

Laboratory Soil Sampling Interval

Concrete Pavement

Gravel Pavement

Top Soil

Fill Material predominantly Foundary Sand with some Clay

Native Clay with Silt and/or Sand

Native Silt and/or Fine Sand

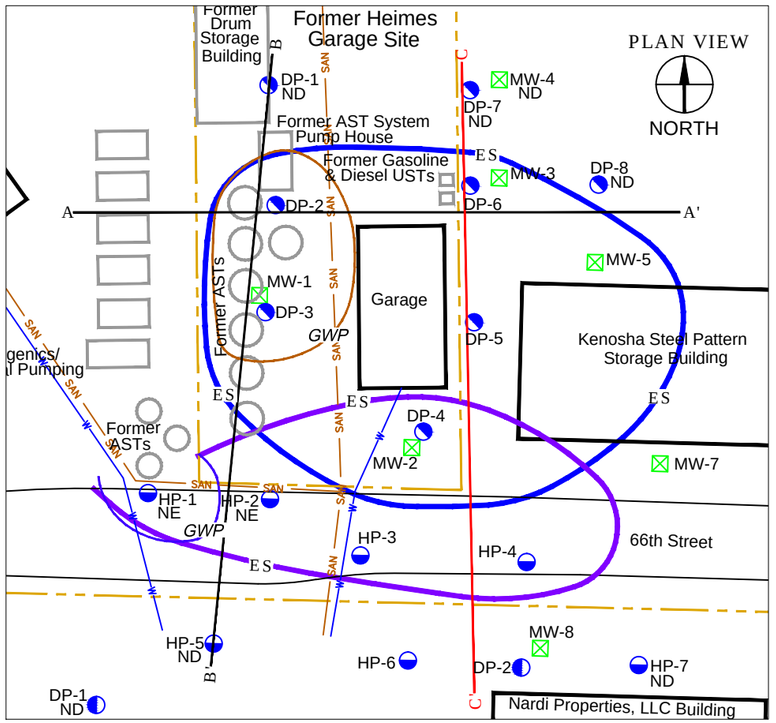


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FIGURE 6
GEOLOGICAL CROSS-SECTION C-C'
HEIMES GARAGE
66TH STREET
KENOSHA, WI

Approved By: S. CRANLEY	Figure 6
Date Approved: 6/8/2020	
Date Drawn: 6/8/2020	
Drawn by: R. SCHWARTZ	

Groundwater Monitoring Well Location - MEC Jan. 2020 - Heimes

Soil Boring & Groundwater Grab Sampling Location - MEC Sept. 2019 - Heimes

Soil Boring & Groundwater Sampling Location - MEC 2016 - Yutka

Soil Boring & Groundwater Sampling Location - MEC 2017 & 2018 - Yutka

ND No Detects

NE No Exceedances

ES Inferred Extent of Petroleum VOC Groundwater Contamination Exceeding Enforcement Standards

ES Inferred Extent of Chlorinated VOC Groundwater Contamination Exceeding Enforcement Standards

Water

SAN Sanitary Sewer

0 30

1" = 30'

NORTH

Office/ Residence

Former Drum Storage Building

Former Heimes Garage Site

DP-1 ND

MW-4 ND

DP-7 ND

Former AST System Pump House

Former Gasoline & Diesel USTs

ES

MW-3

DP-8 ND

DP-2

DP-6

MW-5

Former ASTs

MW-1

DP-3

Garage

DP-5

Kenosha Steel Pattern Storage Building

MW-6

Interstate Cryogenics Building

Interstate Cryogenics/ Formerly Industrial Pumping

ES

ES

DP-4

MW-2

MW-7

Former ASTs

HP-1 NE

HP-2 NE

HP-3

HP-4

66th Street

ES

HP-5 ND

MW-8

HP-6

DP-2

HP-7 ND

DP-1 ND

Nardi Properties, LLC Building

Midwest Environmental Consulting, LLC

262-237-4351

FIGURE 7
GROUNDWATER CONTAMINATION
HEIMES GARAGE

66TH STREET
KENOSHA, WI

Approved By: S. CRANLEY	Figure 7
Date Approved: 6/8/2020	
Date Drawn: 6/8/2020	
Drawn by: R. SCHWARTZ	

Groundwater Monitoring Well Location - MEC Jan. 2020 - Heimes

Soil Boring & Groundwater Grab Sampling Location - MEC Sept. 2019 - Heimes

Soil Boring & Groundwater Sampling Location - MEC 2016 - Yutka

Soil Boring & Groundwater Sampling Location - MEC 2017 & 2018 - Yutka

(XX.XX) Groundwater Elevation

Inferred Groundwater Iso-Elevation Contour (ft)

Groundwater Flow Direction

NOTE:

Wells surveyed relative to hydrant on east side of 34th Ave. with a top bolt elevation of 633.19 feet above MSL.

0 30

1" = 30'

NORTH

Office/ Residence

Former Drum Storage Building

Former Heimes Garage Site

Former AST System Pump House

Former Gasoline & Diesel USTs

Former ASTs

Garage

Interstate Cryogenics Building

Interstate Cryogenics/ Formerly Industrial Pumping

Kenosha Steel Pattern Storage Building

66th Street

Nardi Properties, LLC Building

DP-1 DP-2 DP-3 DP-4 DP-5 DP-6 DP-7 DP-8

MW-1 (628.23)

MW-2 (628.13)

MW-3 (628.59)

MW-4 (628.66)

MW-5 (628.32)

628.50

628.25

HP-1 HP-2 HP-3 HP-4 HP-5 HP-6 HP-7

SAN

Midwest Environmental Consulting, LLC
262-237-4351

FIGURE 8
GROUNDWATER FLOW
1/29/20
HEIMES GARAGE
66TH STREET
KENOSHA, WI

Approved By: S. CRANLEY	Figure 8
Date Approved: 6/8/2020	
Date Drawn: 6/8/2020	
Drawn by: R. SCHWARTZ	

Groundwater Monitoring Well Location - MEC Jan. 2020 - Heimes

Soil Boring & Groundwater Grab Sampling Location - MEC Sept. 2019 - Heimes

Soil Boring & Groundwater Sampling Location - MEC 2016 - Yutka

Soil Boring & Groundwater Sampling Location - MEC 2017 & 2018 - Yutka

(XX.XX) Groundwater Elevation

Inferred Groundwater Iso-Elevation Contour (ft)

Groundwater Flow Direction

NOTE:

Wells surveyed relative to hydrant on east side of 34th Ave. with a top bolt elevation of 633.19 feet above MSL.

0 30

1" = 30'

NORTH

Office/ Residence

Former Drum Storage Building

Former Heimes Garage Site

DP-1

Former AST System Pump House

Former Gasoline & Diesel USTs

DP-2

DP-7

(628.40) MW-4

628.00

627.75

(628.14) MW-3

DP-8

DP-6

(627.68) MW-5

627.50

Interstate Cryogenics Building

Interstate Cryogenics/ Formerly Industrial Pumping

Former ASTs

MW-1 (627.99)

DP-3

Garage

DP-5

Kenosha Steel Pattern Storage Building

DP-4

MW-2 (627.66)

Former ASTs

HP-1

HP-2

HP-3

HP-4

66th Street

HP-5

HP-6

DP-2

HP-7

DP-1

Nardi Properties, LLC Building

SAN

Midwest Environmental Consulting, LLC

262-237-4351

FIGURE 9
GROUNDWATER FLOW
2/17/20
HEIMES GARAGE
66TH STREET
KENOSHA, WI

Approved By: S. CRANLEY	Figure 9
Date Approved: 6/8/2020	
Date Drawn: 6/8/2020	
Drawn by: R. SCHWARTZ	

Groundwater Monitoring Well Location - MEC Jan. 2020 - Heimes

Soil Boring & Groundwater Grab Sampling Location - MEC Sept. 2019 - Heimes

Soil Boring & Groundwater Sampling Location - MEC 2016 - Yutka

Soil Boring & Groundwater Sampling Location - MEC 2017 & 2018 - Yutka

(XX.XX) Groundwater Elevation

Inferred Groundwater Iso-Elevation Contour (ft)

Groundwater Flow Direction

NOTE:

Wells surveyed relative to hydrant on east side of 34th Ave. with a top bolt elevation of 633.19 feet above MSL.

0 30

1" = 30'

NORTH

Office/ Residence

Former Drum Storage Building

Former Heimes Garage Site

Former AST System Pump House

Former Gasoline & Diesel USTs

Former ASTs

Garage

Interstate Cryogenics Building

Interstate Cryogenics/ Formerly Industrial Pumping

Kenosha Steel Pattern Storage Building

Nardi Properties, LLC Building

66th Street

SAN

DP-1

DP-2

DP-3

DP-4

DP-5

DP-6

DP-7

DP-8

HP-1

HP-2

HP-3

HP-4

HP-5

HP-6

HP-7

MW-1 (628.72)

(629.46) MW-4

(629.41) MW-3

(629.17) MW-5

MW-6 (628.61)

MW-2 (628.50)

MW-7 (628.84)

(628.44) MW-8

629.00

628.50

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262-237-4351

FIGURE 10
GROUNDWATER FLOW
3/31/2020
HEIMES GARAGE
66TH STREET
KENOSHA, WI

Approved By: S. CRANLEY	Figure 10
Date Approved: 6/8/2020	
Date Drawn: 6/8/2020	
Drawn by: R. SCHWARTZ	

Figure _ Site Features and Soil Boring Locations

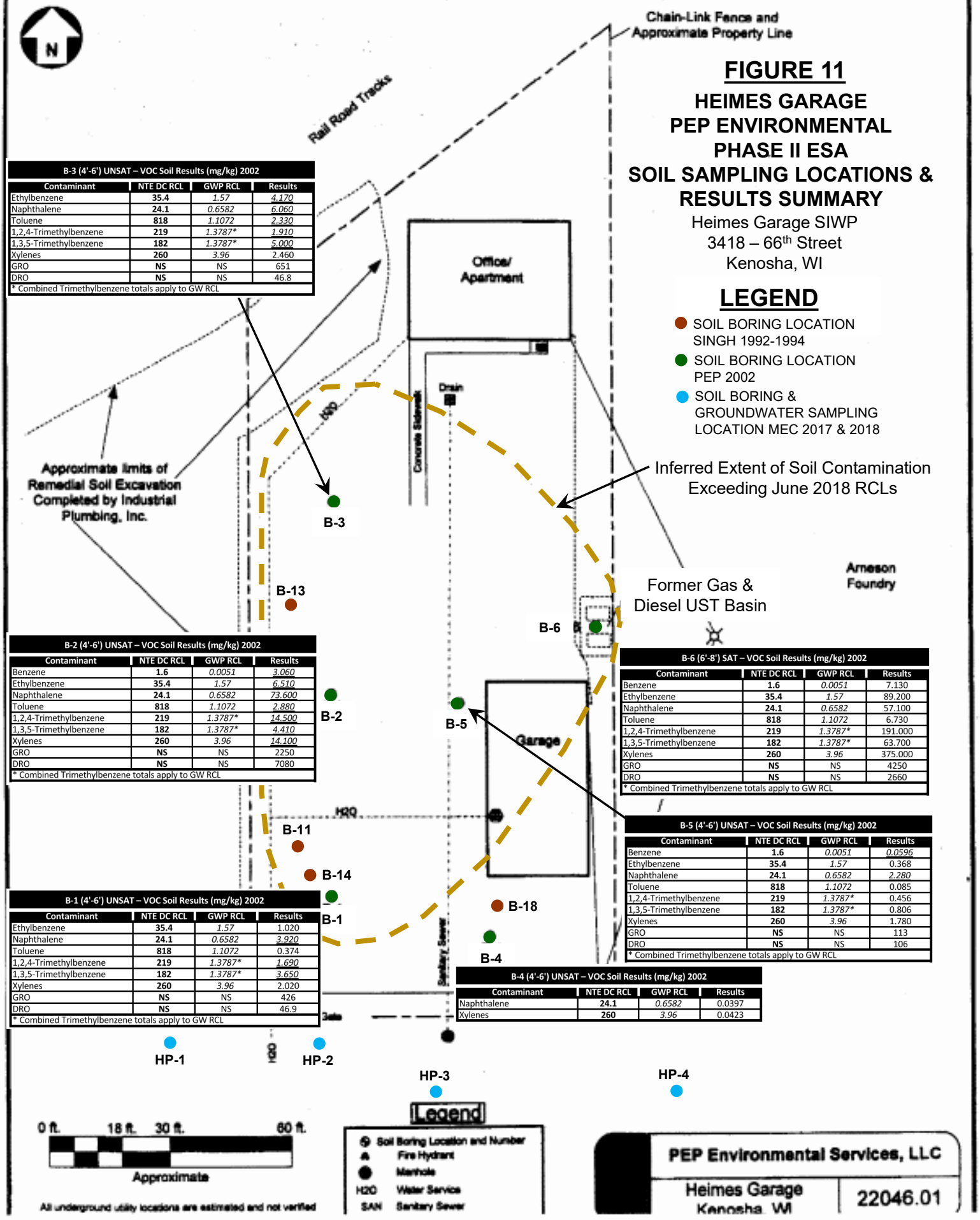

FIGURE 11

HEIMES GARAGE
PEP ENVIRONMENTAL
PHASE II ESA
SOIL SAMPLING LOCATIONS & RESULTS SUMMARY

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI

LEGEND

- SOIL BORING LOCATION SINGH 1992-1994
- SOIL BORING LOCATION PEP 2002
- SOIL BORING & GROUNDWATER SAMPLING LOCATION MEC 2017 & 2018

B-3 (4'-6') UNSAT – VOC Soil Results (mg/kg) 2002

Contaminant	NTE DC RCL	GWP RCL	Results
Ethylbenzene	**35.4**	*1.57*	*4.170*
Naphthalene	**24.1**	*0.6582*	*6.060*
Toluene	**818**	*1.1072*	*2.330*
1,2,4-Trimethylbenzene	**219**	*1.3787**	*1.910*
1,3,5-Trimethylbenzene	**182**	*1.3787**	*5.000*
Xylenes	**260**	*3.96*	2.460
GRO	**NS**	NS	651
DRO	**NS**	NS	46.8

* Combined Trimethylbenzene totals apply to GW RCL

B-2 (4'-6') UNSAT – VOC Soil Results (mg/kg) 2002

Contaminant	NTE DC RCL	GWP RCL	Results
Benzene	**1.6**	*0.0051*	*3.060*
Ethylbenzene	**35.4**	*1.57*	*6.510*
Naphthalene	**24.1**	*0.6582*	*73.600*
Toluene	**818**	*1.1072*	*2.880*
1,2,4-Trimethylbenzene	**219**	*1.3787**	*14.500*
1,3,5-Trimethylbenzene	**182**	*1.3787**	*4.410*
Xylenes	**260**	*3.96*	*14.100*
GRO	**NS**	NS	2250
DRO	**NS**	NS	7080

* Combined Trimethylbenzene totals apply to GW RCL

B-6 (6'-8') SAT – VOC Soil Results (mg/kg) 2002

Contaminant	NTE DC RCL	GWP RCL	Results
Benzene	**1.6**	*0.0051*	7.130
Ethylbenzene	**35.4**	*1.57*	89.200
Naphthalene	**24.1**	*0.6582*	57.100
Toluene	**818**	*1.1072*	6.730
1,2,4-Trimethylbenzene	**219**	*1.3787**	191.000
1,3,5-Trimethylbenzene	**182**	*1.3787**	63.700
Xylenes	**260**	*3.96*	375.000
GRO	**NS**	NS	4250
DRO	**NS**	NS	2660

* Combined Trimethylbenzene totals apply to GW RCL

B-5 (4'-6') UNSAT – VOC Soil Results (mg/kg) 2002

Contaminant	NTE DC RCL	GWP RCL	Results
Benzene	**1.6**	*0.0051*	*0.0596*
Ethylbenzene	**35.4**	*1.57*	0.368
Naphthalene	**24.1**	*0.6582*	*2.280*
Toluene	**818**	*1.1072*	0.085
1,2,4-Trimethylbenzene	**219**	*1.3787**	0.456
1,3,5-Trimethylbenzene	**182**	*1.3787**	0.806
Xylenes	**260**	*3.96*	1.780
GRO	**NS**	NS	113
DRO	**NS**	NS	106

* Combined Trimethylbenzene totals apply to GW RCL

B-1 (4'-6') UNSAT – VOC Soil Results (mg/kg) 2002

Contaminant	NTE DC RCL	GWP RCL	Results
Ethylbenzene	**35.4**	*1.57*	1.020
Naphthalene	**24.1**	*0.6582*	*3.920*
Toluene	**818**	*1.1072*	0.374
1,2,4-Trimethylbenzene	**219**	*1.3787**	*1.690*
1,3,5-Trimethylbenzene	**182**	*1.3787**	*3.650*
Xylenes	**260**	*3.96*	2.020
GRO	**NS**	NS	426
DRO	**NS**	NS	46.9

* Combined Trimethylbenzene totals apply to GW RCL

B-4 (4'-6') UNSAT – VOC Soil Results (mg/kg) 2002

Contaminant	NTE DC RCL	GWP RCL	Results
Naphthalene	**24.1**	*0.6582*	0.0397
Xylenes	**260**	*3.96*	0.0423

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Heimes Garage Kenosha WI
22046.01

Figure _ Site Features and Soil Boring Locations

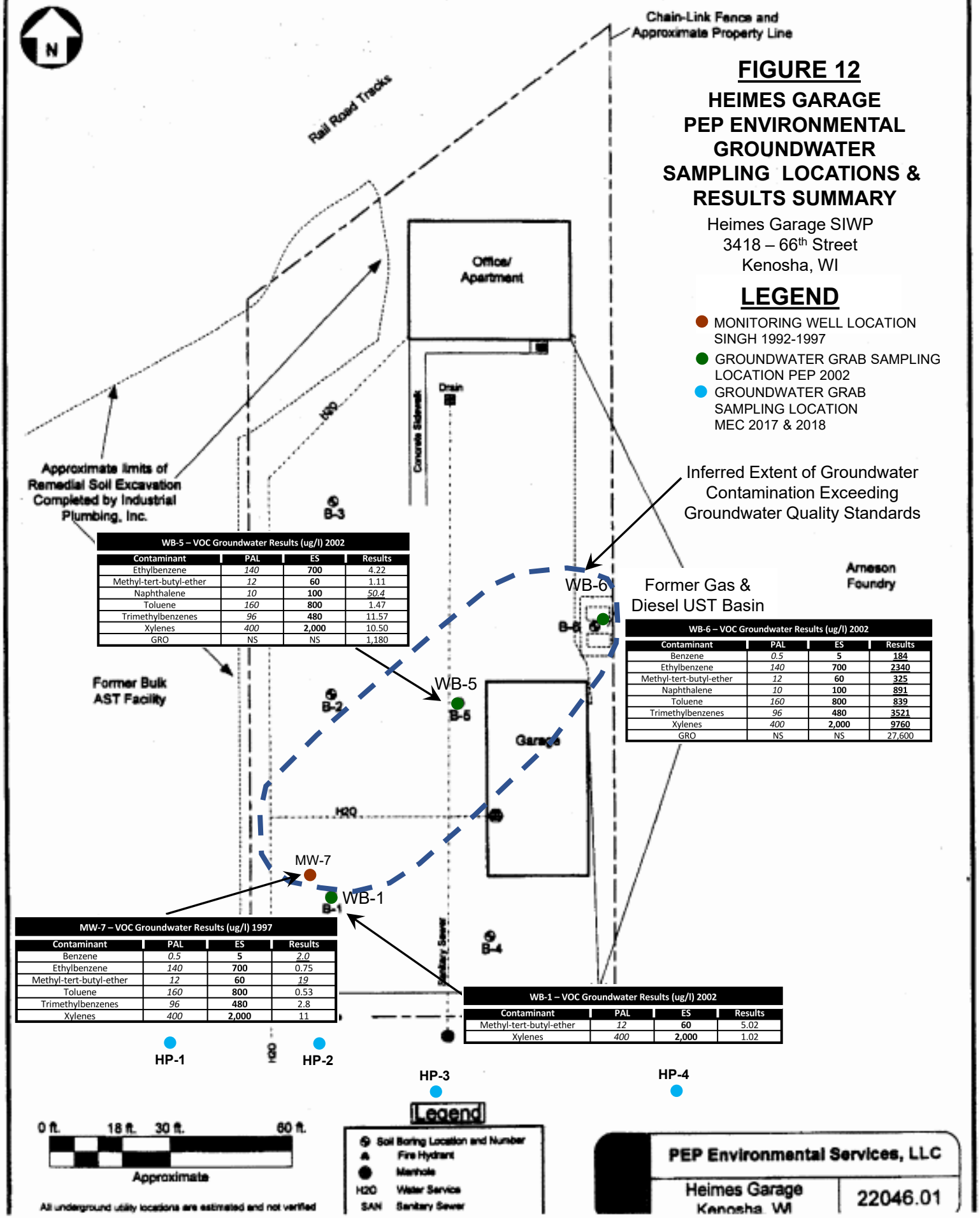

FIGURE 12

HEIMES GARAGE PEP ENVIRONMENTAL GROUNDWATER SAMPLING LOCATIONS & RESULTS SUMMARY

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI

LEGEND

- MONITORING WELL LOCATION SINGH 1992-1997
- GROUNDWATER GRAB SAMPLING LOCATION PEP 2002
- GROUNDWATER GRAB SAMPLING LOCATION MEC 2017 & 2018

WB-5 – VOC Groundwater Results (ug/l) 2002

Contaminant	PAL	ES	Results
Ethylbenzene	*140*	**700**	4.22
Methyl-tert-butyl-ether	*12*	**60**	1.11
Naphthalene	*10*	**100**	*50.4*
Toluene	*160*	**800**	1.47
Trimethylbenzenes	*96*	**480**	11.57
Xylenes	*400*	**2,000**	10.50
GRO	NS	NS	1,180

WB-6 – VOC Groundwater Results (ug/l) 2002

Contaminant	PAL	ES	Results
Benzene	*0.5*	**5**	**184**
Ethylbenzene	*140*	**700**	**2340**
Methyl-tert-butyl-ether	*12*	**60**	**325**
Naphthalene	*10*	**100**	**891**
Toluene	*160*	**800**	**839**
Trimethylbenzenes	*96*	**480**	**3521**
Xylenes	*400*	**2,000**	**9760**
GRO	NS	NS	27,600

MW-7 – VOC Groundwater Results (ug/l) 1997

Contaminant	PAL	ES	Results
Benzene	*0.5*	**5**	*2.0*
Ethylbenzene	*140*	**700**	0.75
Methyl-tert-butyl-ether	*12*	**60**	*19*
Toluene	*160*	**800**	0.53
Trimethylbenzenes	*96*	**480**	2.8
Xylenes	*400*	**2,000**	11

WB-1 – VOC Groundwater Results (ug/l) 2002

Contaminant	PAL	ES	Results
Methyl-tert-butyl-ether	*12*	**60**	5.02
Xylenes	*400*	**2,000**	1.02

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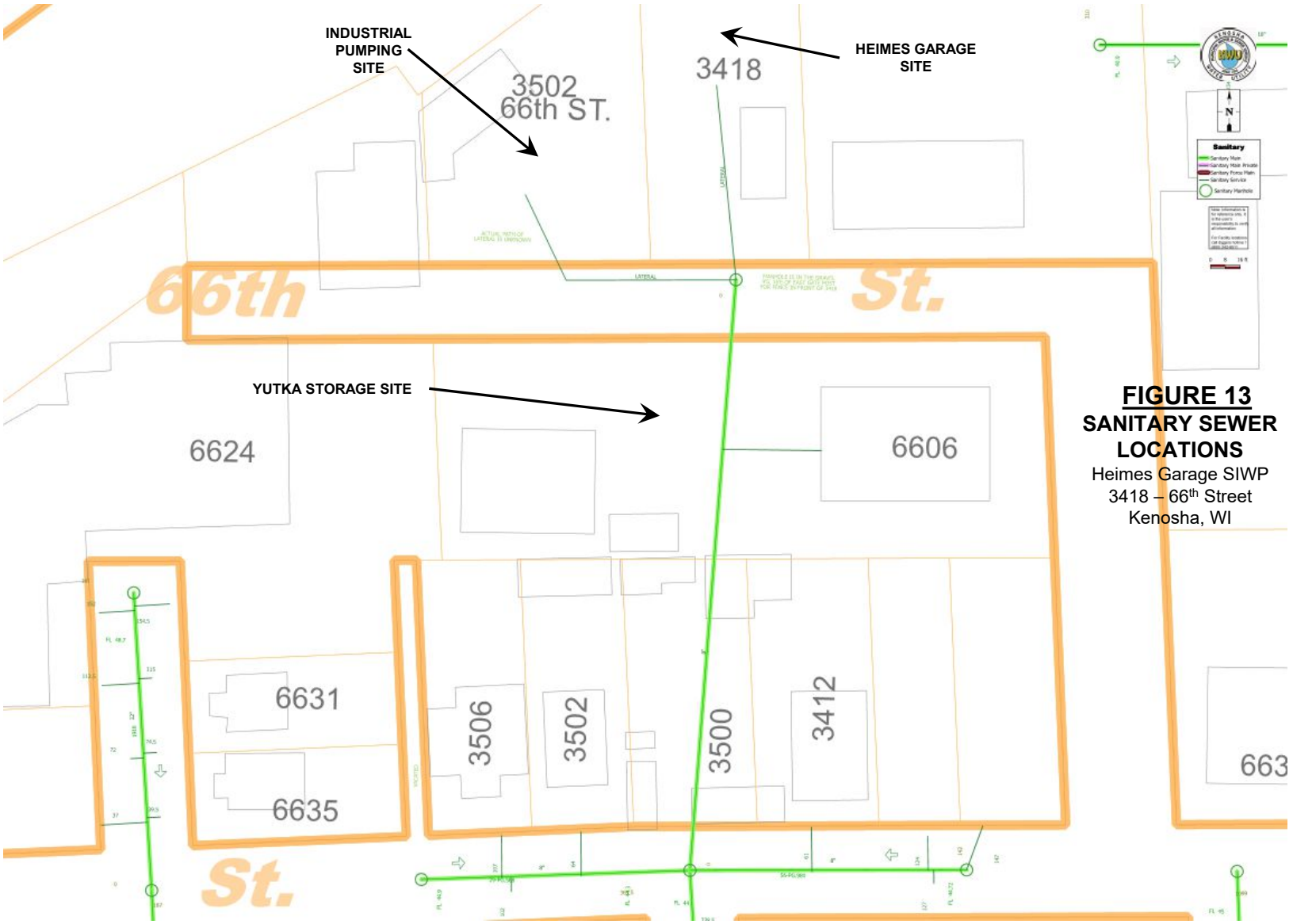


FIGURE 13
SANITARY SEWER LOCATIONS
Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI

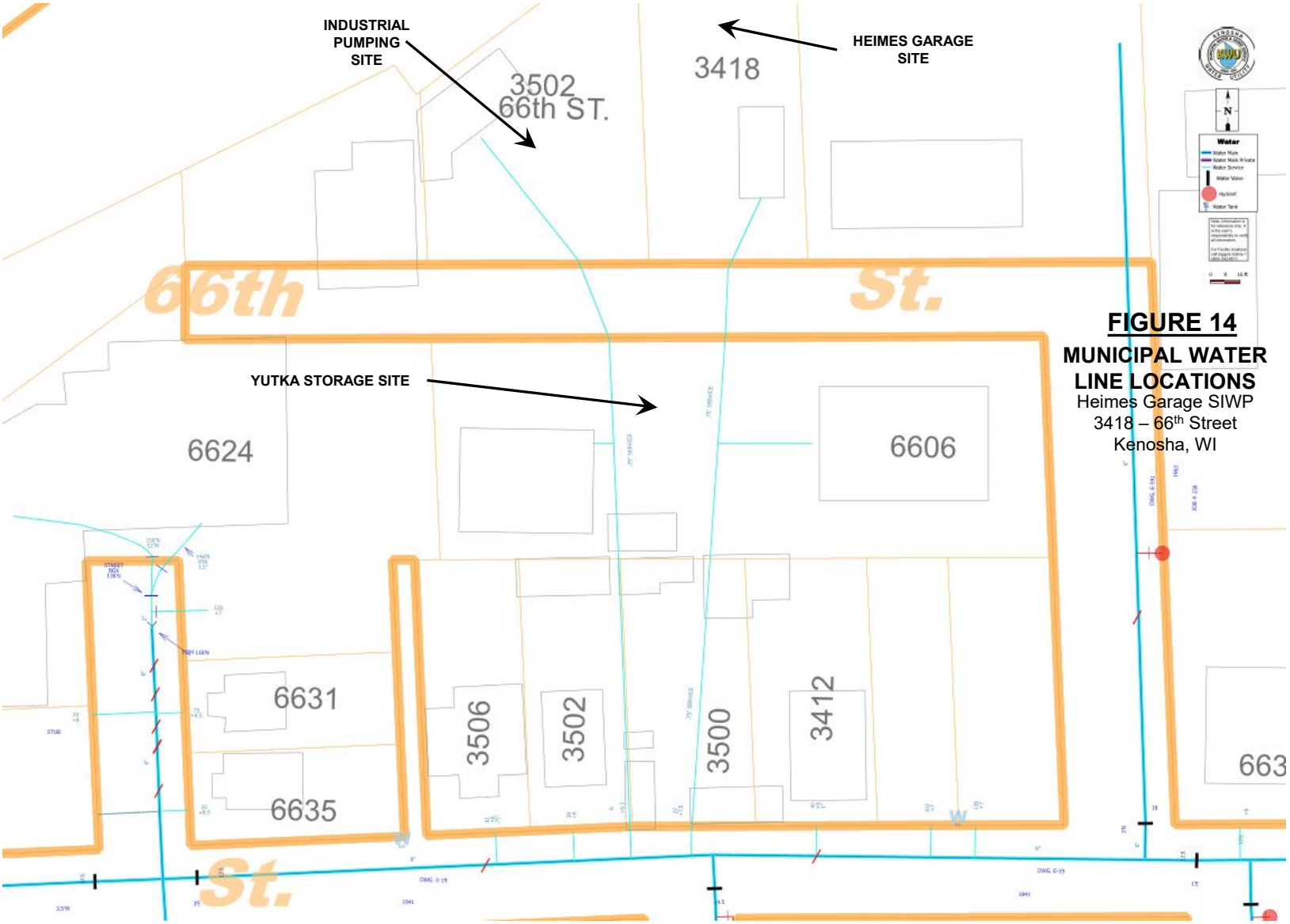


FIGURE 14

MUNICIPAL WATER LINE LOCATIONS

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI

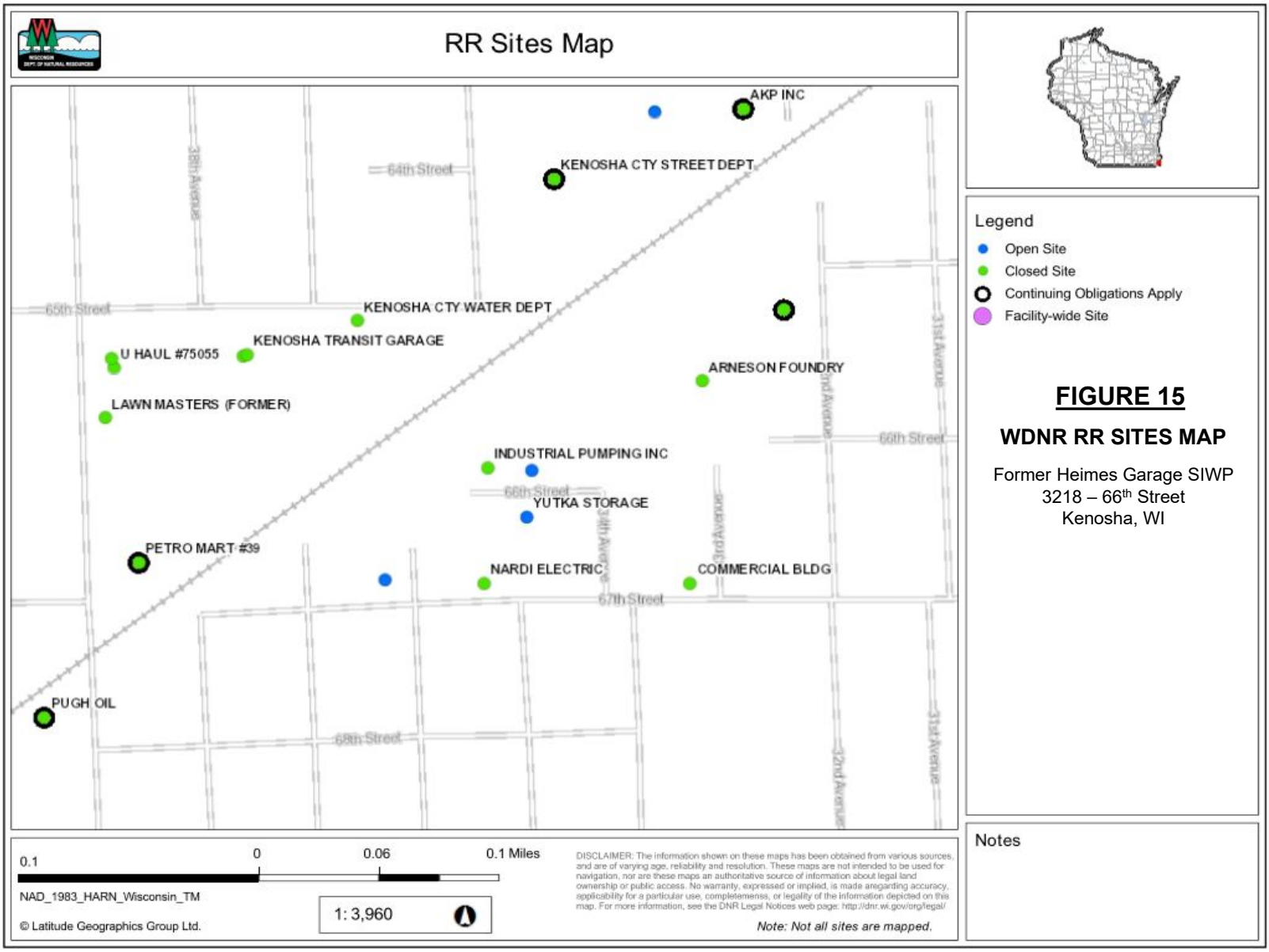


FIGURE 15

WDNR RR SITES MAP

Former Heimes Garage SIWP
3218 – 66th Street
Kenosha, WI

Notes

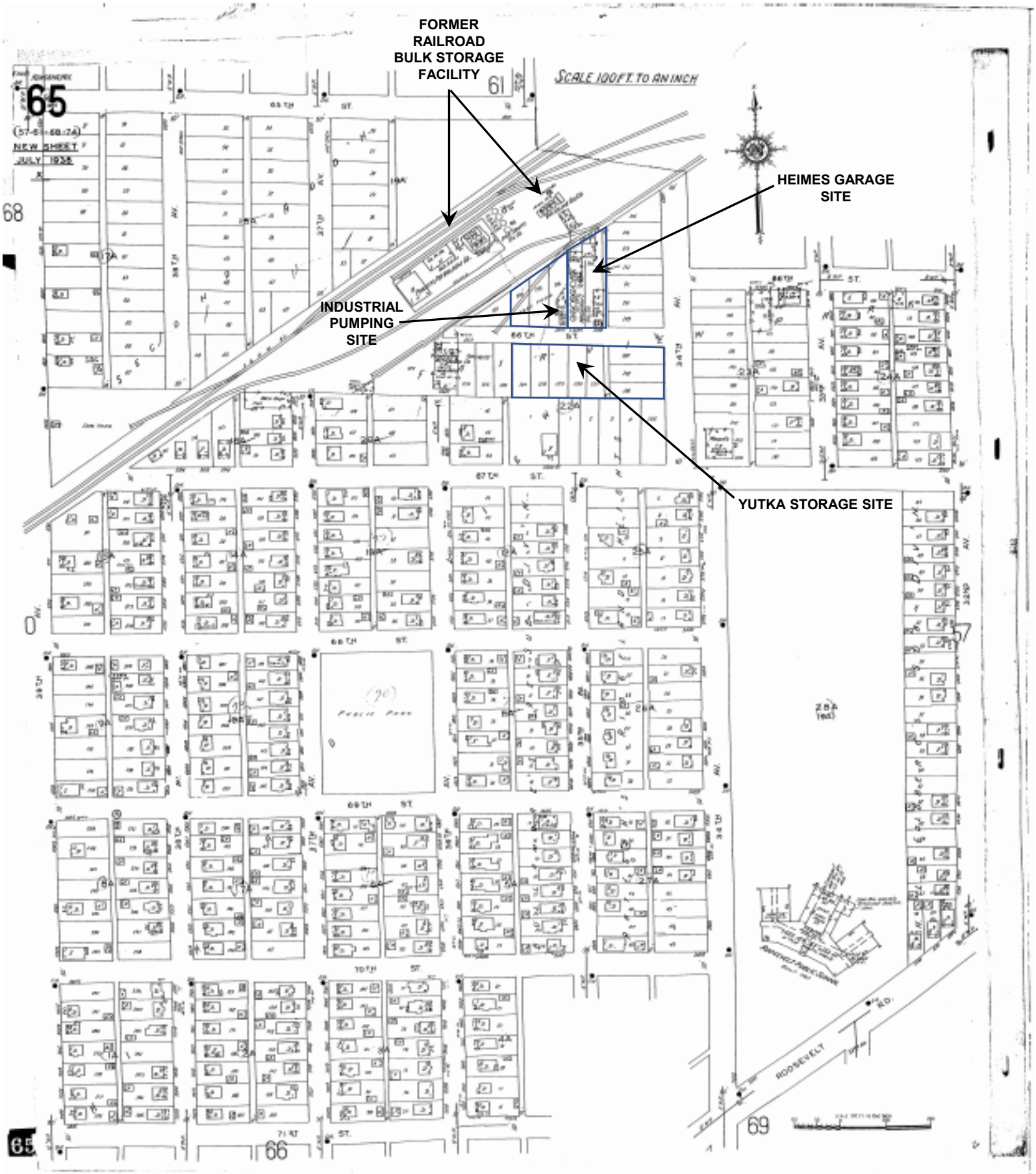


FIGURE 16

SANBORN FIRE INSURANCE MAP - 1950

1950

#1	Coolant	15,000
#2	Waste Oil	11,000
#3	Waste Oil	11,000
#4	Waste Oil	11,000
#5	#4 Fuel Oil	11,000
#6	Waste Oil	11,000
#7	Waste Oil	5,000
#8	Waste Oil	5,000
#9	Coolant	7,000
#10	Waste Oil	7,000
#11	Waste Oil	2,000
#12	Waste Oil	2,000
#13	Empty	2,000
#14	Empty	2,000
#15	Waste Oil	4,000

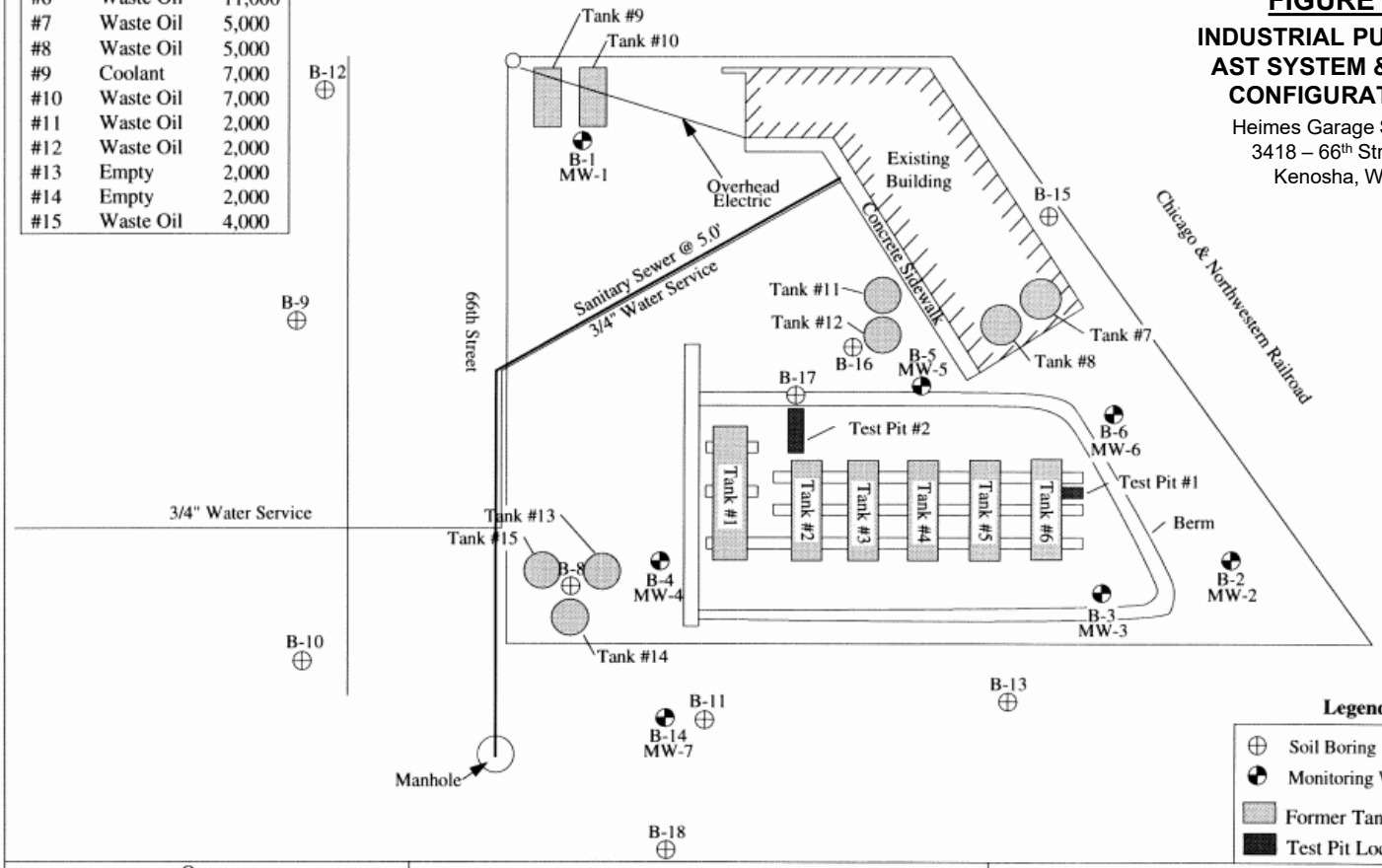


FIGURE 17

INDUSTRIAL PUMPING AST SYSTEM & SITE CONFIGURATION

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI

Owner: **Industrial Pumping, Inc.**	Engineer: **K. SINGH & ASSOCIATES, INC.** Engineers & Environmental Management Consultants 1135 Legion Drive Elm Grove, WI (414) 821-1171	Figure 2. Facility Layout Map	
Project Location: 3502 66th Street, Kenosha, Wisconsin		Date: 06/07/95	Drawn By: VLS
		0' 15' 30'	Checked By: DKS
			Project No.: 3000
			Sheet No.: 1 OF 1

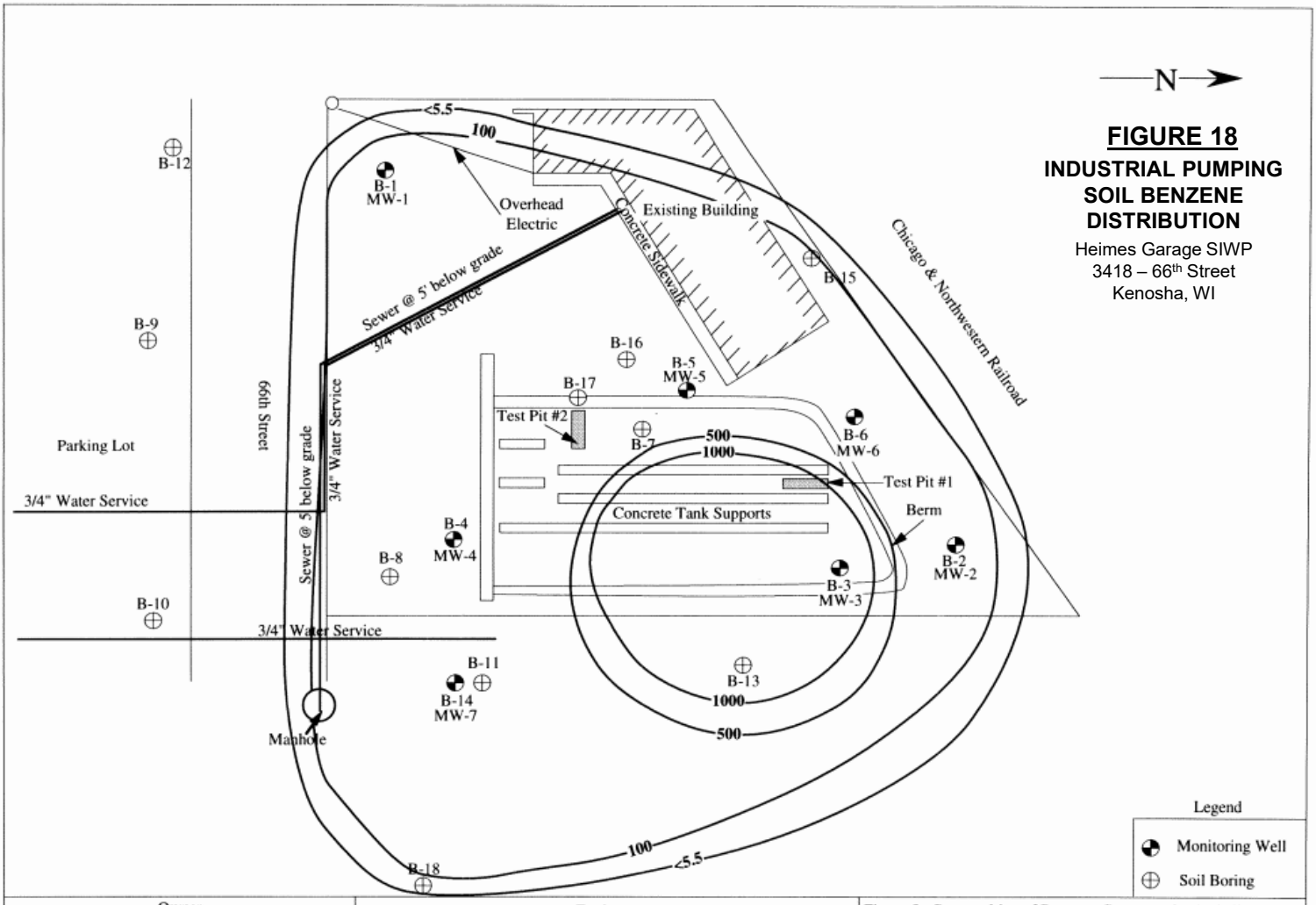


FIGURE 18

INDUSTRIAL PUMPING
SOIL BENZENE
DISTRIBUTION

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI

Owner **Industrial Pumping, Inc.** Project Location 3502 66th Street, Kenosha, Wisconsin	Engineer **K. SINGH & ASSOCIATES, INC.** Engineers & Environmental Management Consultants 1135 Legion Drive Elm Grove, WI (414) 821-1171	Figure 5. Contour Map of Benzene Concentration In Soil Date: August 16, 1994 · Drawn By: M.J.P. · Project No.: 3000 0' 15' 30' · Checked By: R.B.S. · Sheet No.: 1 Of 1

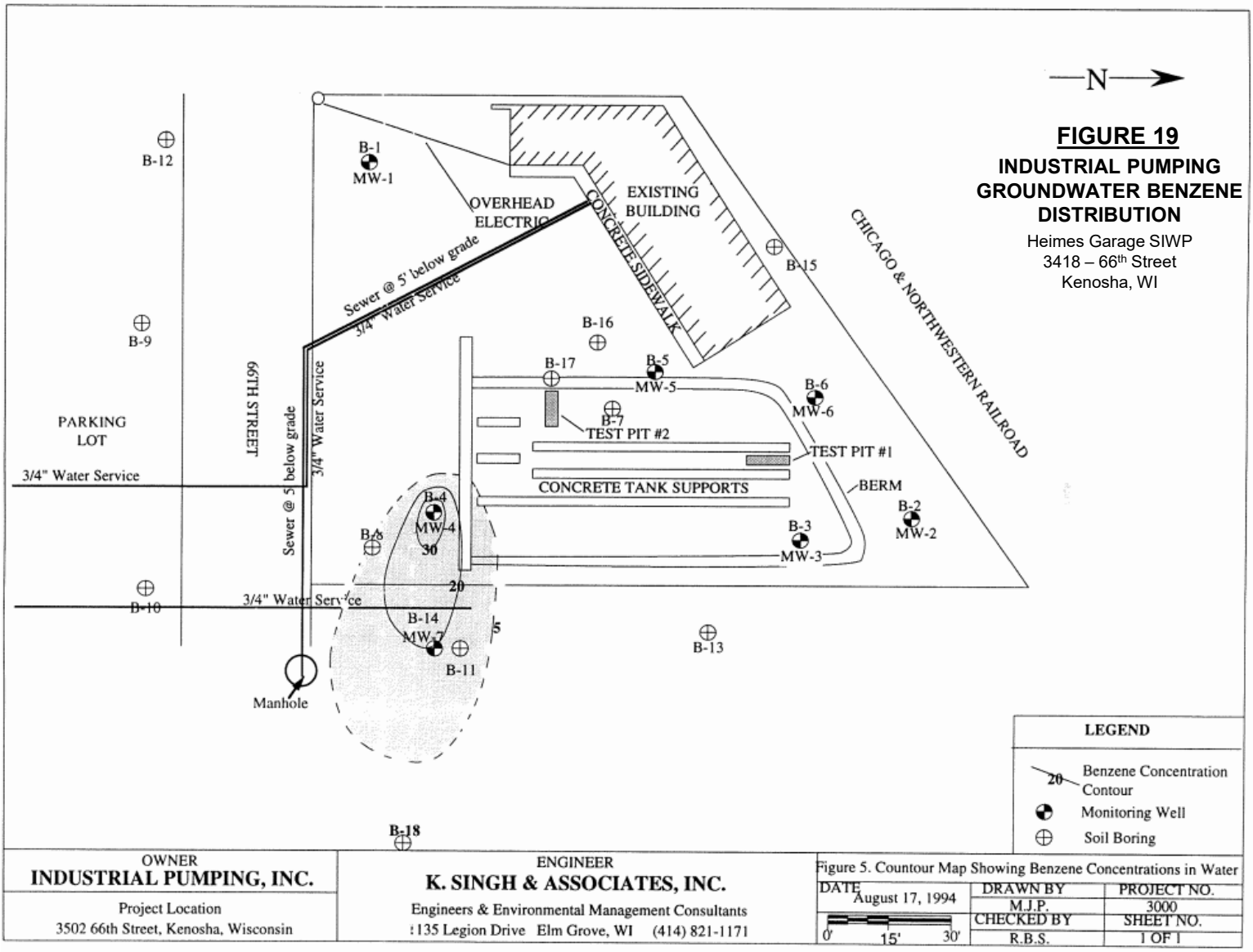


FIGURE 19

INDUSTRIAL PUMPING GROUNDWATER BENZENE DISTRIBUTION

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI

OWNER **INDUSTRIAL PUMPING, INC.** Project Location 3502 66th Street, Kenosha, Wisconsin	ENGINEER **K. SINGH & ASSOCIATES, INC.** Engineers & Environmental Management Consultants 1135 Legion Drive Elm Grove, WI (414) 821-1171	Figure 5. Countour Map Showing Benzene Concentrations in Water DATE August 17, 1994 | DRAWN BY M.J.P. | PROJECT NO. 3000 0' 15' 30' | CHECKED BY R.B.S. | SHEET NO. 1 OF 1

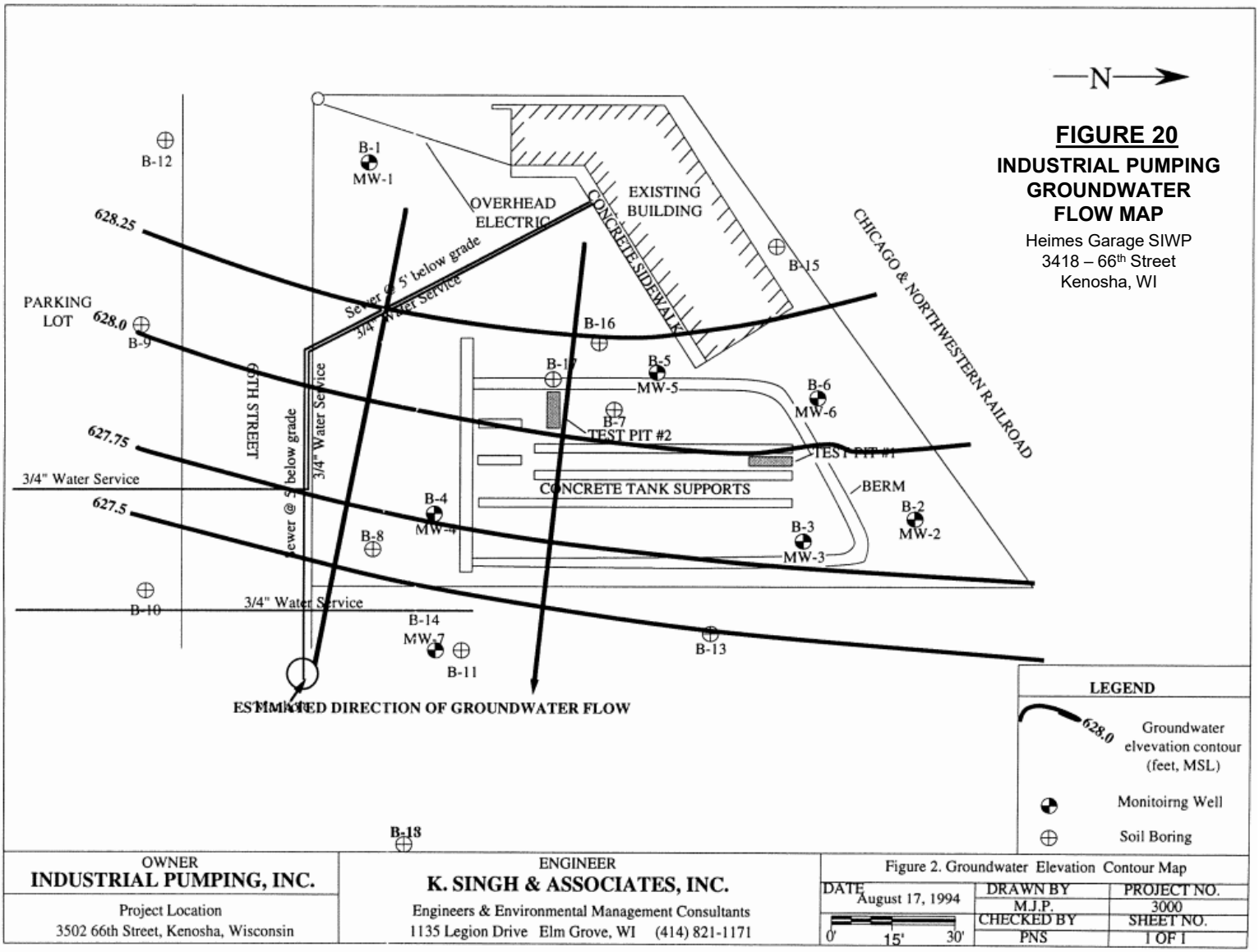


FIGURE 20

INDUSTRIAL PUMPING GROUNDWATER FLOW MAP

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI

OWNER **INDUSTRIAL PUMPING, INC.** Project Location 3502 66th Street, Kenosha, Wisconsin	ENGINEER **K. SINGH & ASSOCIATES, INC.** Engineers & Environmental Management Consultants 1135 Legion Drive Elm Grove, WI (414) 821-1171	Figure 2. Groundwater Elevation Contour Map DATE August 17, 1994 0' 15' 30'	DRAWN BY: M.J.P. CHECKED BY: PNS PROJECT NO.: 3000 SHEET NO.: 1 OF 1

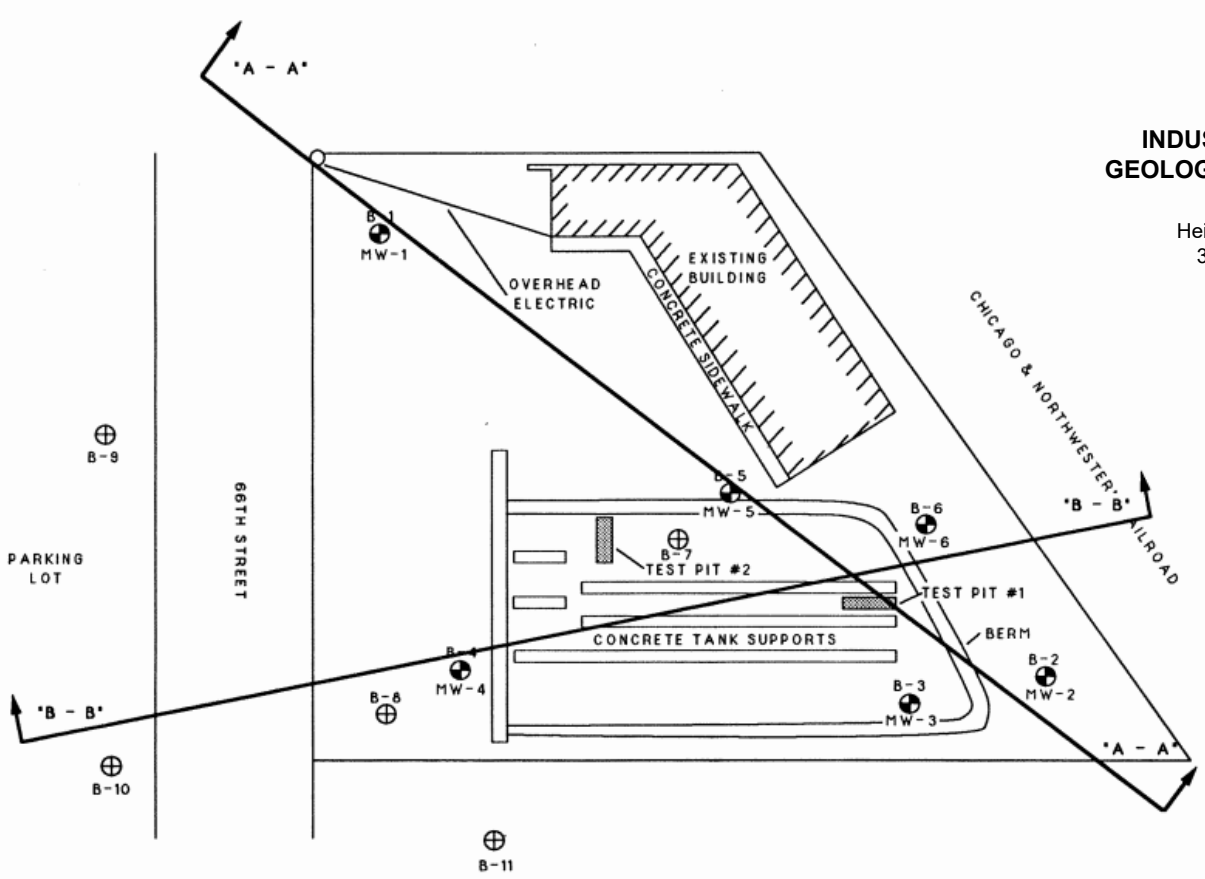


FIGURE 21

INDUSTRIAL PUMPING
GEOLOGIC CROSS-SECTION
PLAN VIEW

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI

IV-5

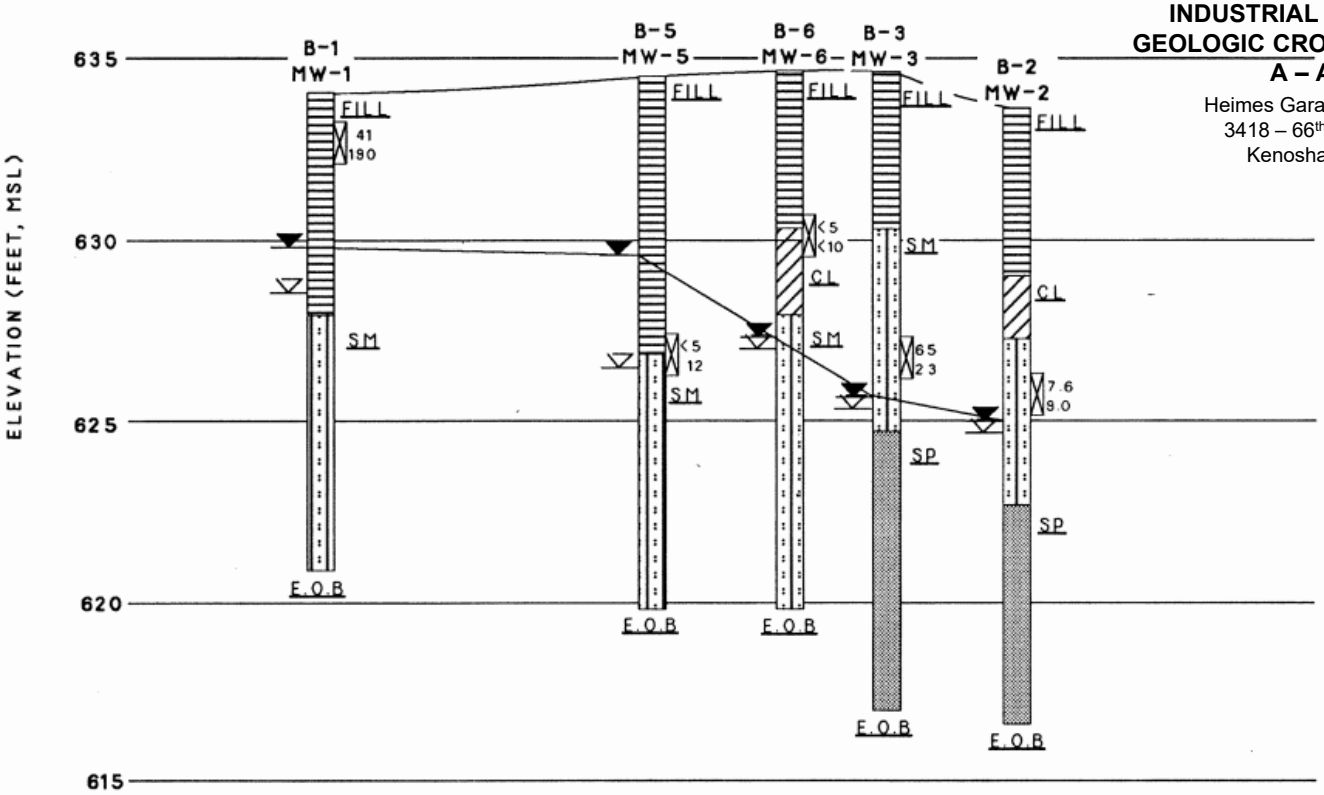
LEGEND
MONITORING WELL
SOIL BORING

OWNER	ENGINEER	Figure 4. Plan of Geologic Sections		
INDUSTRIAL PUMPING, INC.	K. SINGH & ASSOCIATES, INC.	DATE 11-11-92	DRAWN BY VLS	PROJECT NO. 3000
Project Location 3502 66th Street, Kenosha, Wisconsin	Engineers & Environmental Management Consultants 1135 Legion Drive Elm Grove, WI (414) 821-1171	0' 15' 30'	CHECKED BY PNS	SHEET NO. 1 OF 1

FIGURE 22

INDUSTRIAL PUMPING
GEOLOGIC CROSS-SECTION
A – A'

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI



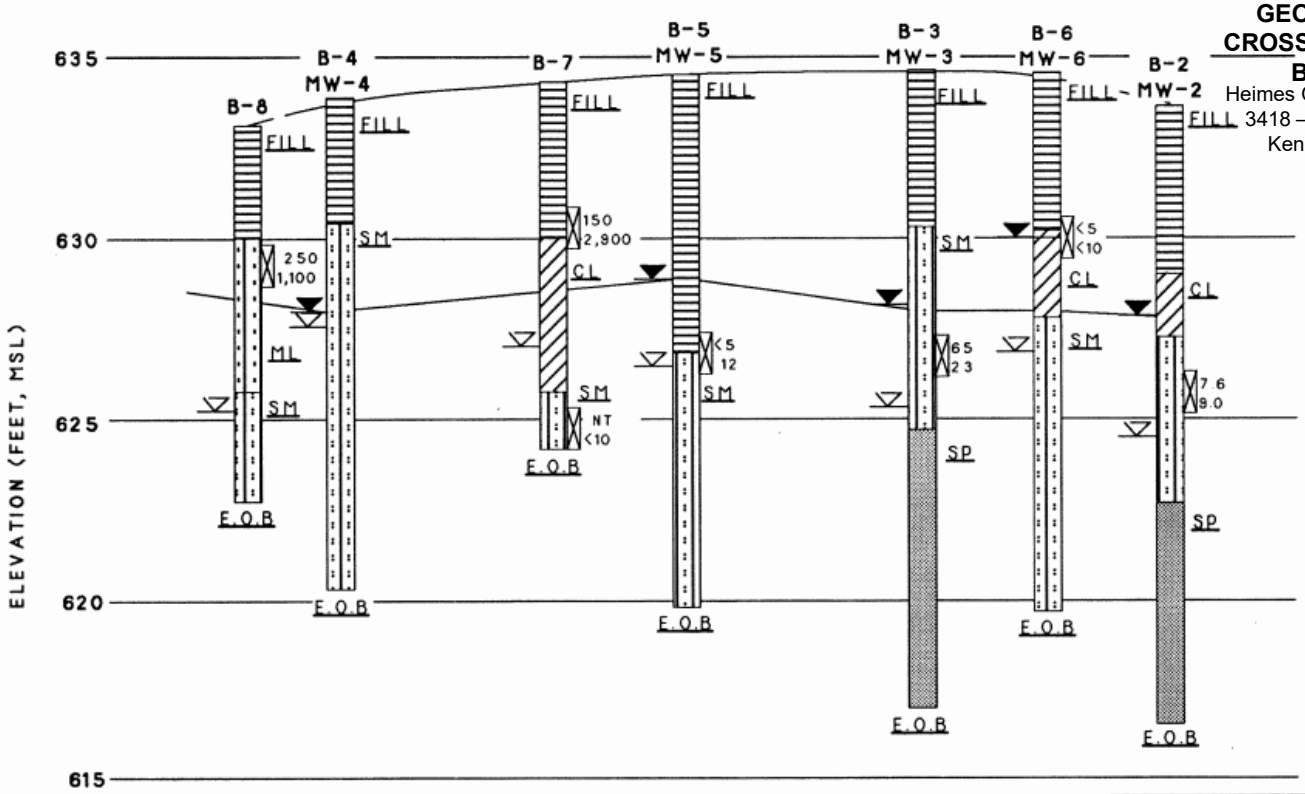
LEGEND	
SM	Silty Sand
SC	Clayey Sand
ML	Clayey Silt
CL	Silty Clay
E.O.B.	End of Boring
	Depth to Water in Soil Boring
	Depth to Water in Monitoring Well

OWNER	ENGINEER	Figure 5. Geologic Section "A - A"		
INDUSTRIAL PUMPING, INC. 3502 66th Street Kenosha, Wisconsin 53142	K. SINGH & ASSOCIATES, INC. Engineers & Environmental Management Consultants 1135 Legion Drive Elm Grove, WI (414) 821-1171	DATE 09-29-92	DRAWN BY VLS	PROJECT NO. 3000
		0' 10' 20'	CHECKED BY PNS	SHEET NO. 1 OF 1

FIGURE 23

INDUSTRIAL PUMPING
GEOLOGIC
CROSS-SECTION
B – B'

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI



LEGEND
SM Silty Sand
SC Clayey Sand
ML Clayey Silt
CL Silty Clay
E.O.B. End of Boring
Depth to Water in Soil Boring
Depth to Water in Monitoring Well

OWNER	ENGINEER	Figure 6. Geologic Section "B - B"		
INDUSTRIAL PUMPING, INC. 3502 66th Street Kenosha, Wisconsin 53142	K. SINGH & ASSOCIATES, INC. Engineers & Environmental Management Consultants 1135 Legion Drive Elm Grove, WI (414) 821-1171	DATE 10-06-92	DRAWN BY VLS	PROJECT NO. 3000
		0' 10' 20'	CHECKED BY PNS	SHEET NO. 1 OF 1

Figure _ Site Features and Soil Boring Locations

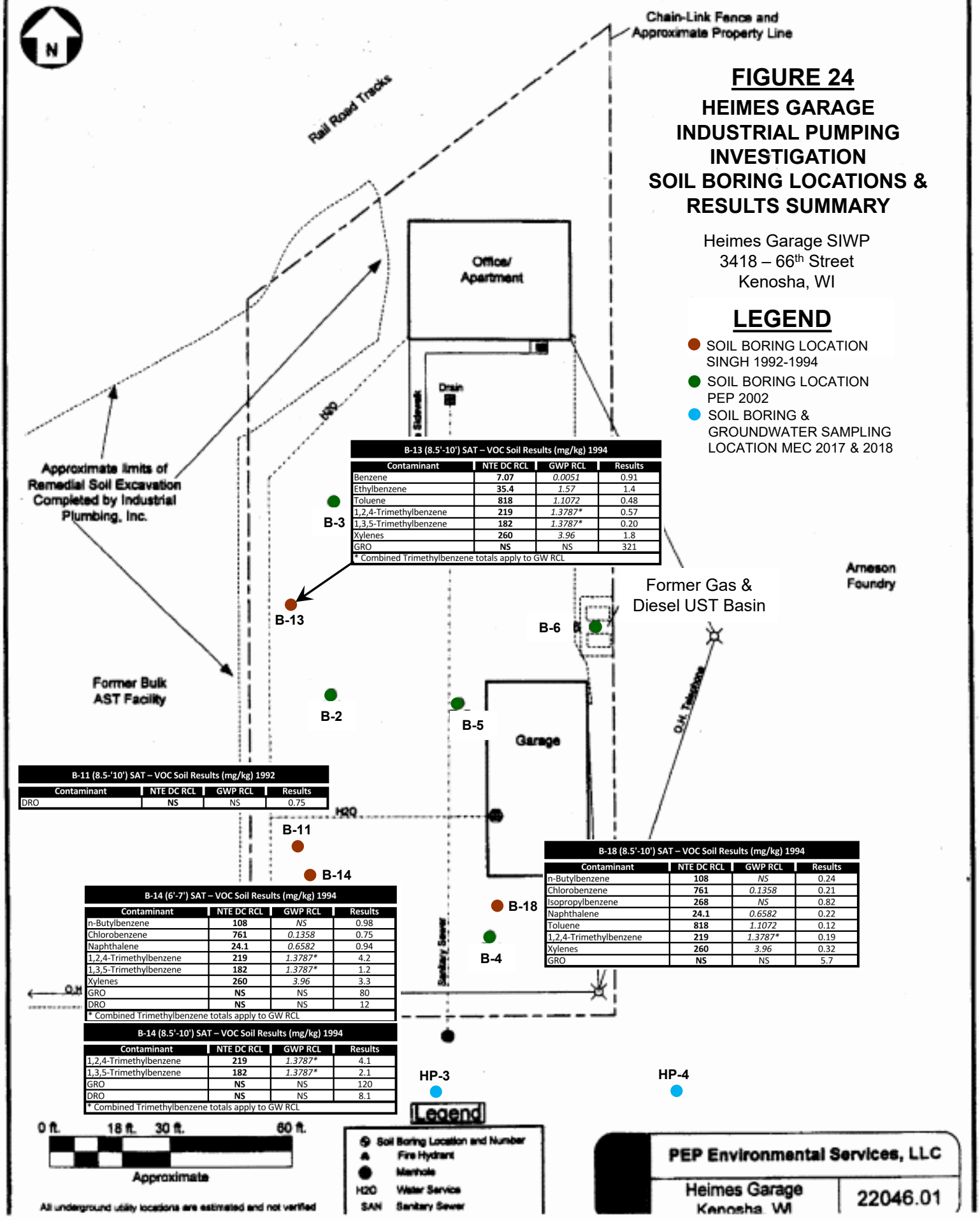


FIGURE 24

HEIMES GARAGE INDUSTRIAL PUMPING INVESTIGATION SOIL BORING LOCATIONS & RESULTS SUMMARY

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI

LEGEND

- SOIL BORING LOCATION SINGH 1992-1994
- SOIL BORING LOCATION PEP 2002
- SOIL BORING & GROUNDWATER SAMPLING LOCATION MEC 2017 & 2018

B-13 (8.5'-10') SAT – VOC Soil Results (mg/kg) 1994

Contaminant	NTE DC RCL	GWP RCL	Results
Benzene	**7.07**	*0.0051*	0.91
Ethylbenzene	**35.4**	*1.57*	1.4
Toluene	**818**	*1.1072*	0.48
1,2,4-Trimethylbenzene	**219**	*1.3787**	0.57
1,3,5-Trimethylbenzene	**182**	*1.3787**	0.20
Xylenes	**260**	*3.96*	1.8
GRO	**NS**	NS	321

* Combined Trimethylbenzene totals apply to GW RCL

B-11 (8.5'-10') SAT – VOC Soil Results (mg/kg) 1992

Contaminant	NTE DC RCL	GWP RCL	Results
DRO	**NS**	NS	0.75

B-14 (6'-7') SAT – VOC Soil Results (mg/kg) 1994

Contaminant	NTE DC RCL	GWP RCL	Results
n-Butylbenzene	**108**	*NS*	0.98
Chlorobenzene	**761**	*0.1358*	0.75
Naphthalene	**24.1**	*0.6582*	0.94
1,2,4-Trimethylbenzene	**219**	*1.3787**	4.2
1,3,5-Trimethylbenzene	**182**	*1.3787**	1.2
Xylenes	**260**	*3.96*	3.3
GRO	**NS**	NS	80
DRO	**NS**	NS	12

* Combined Trimethylbenzene totals apply to GW RCL

B-14 (8.5'-10') SAT – VOC Soil Results (mg/kg) 1994

Contaminant	NTE DC RCL	GWP RCL	Results
1,2,4-Trimethylbenzene	**219**	*1.3787**	4.1
1,3,5-Trimethylbenzene	**182**	*1.3787**	2.1
GRO	**NS**	NS	120
DRO	**NS**	NS	8.1

* Combined Trimethylbenzene totals apply to GW RCL

B-18 (8.5'-10') SAT – VOC Soil Results (mg/kg) 1994

Contaminant	NTE DC RCL	GWP RCL	Results
n-Butylbenzene	**108**	*NS*	0.24
Chlorobenzene	**761**	*0.1358*	0.21
Isopropylbenzene	**268**	*NS*	0.82
Naphthalene	**24.1**	*0.6582*	0.22
Toluene	**818**	*1.1072*	0.12
1,2,4-Trimethylbenzene	**219**	*1.3787**	0.19
Xylenes	**260**	*3.96*	0.32
GRO	**NS**	NS	5.7

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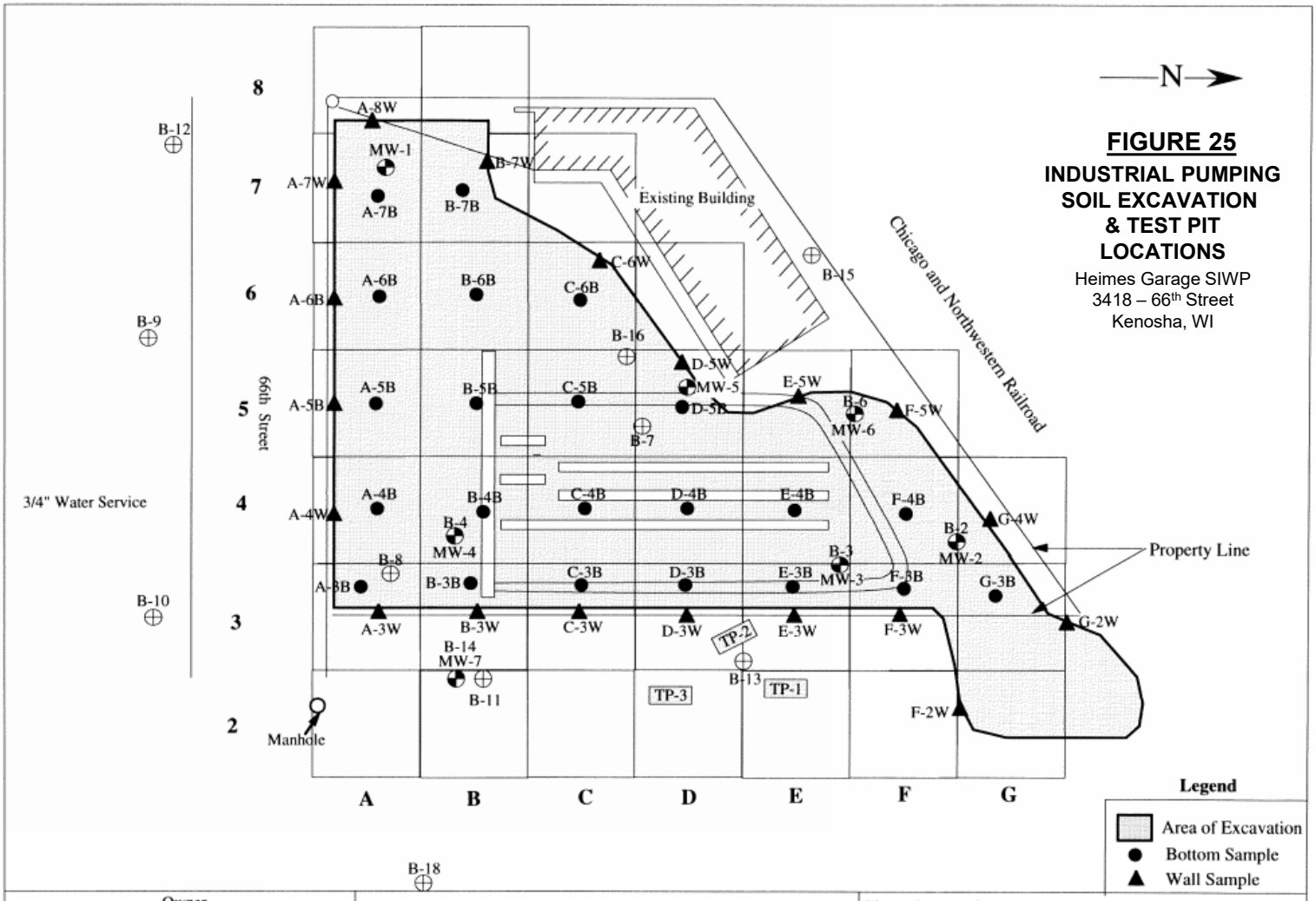

FIGURE 25

INDUSTRIAL PUMPING SOIL EXCAVATION & TEST PIT LOCATIONS

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI

Owner **Industrial Pumping, Inc.**	Engineer **K. SINGH & ASSOCIATES, INC.** Engineers & Environmental Management Consultants 1135 Legion Drive Elm Grove, WI (414) 821-1171	Figure 7. Area of Excavation & Sampling Map	
Project Location 3502 66th Street, Kenosha, Wisconsin		Date March 23, 1995 0' 15' 30'	Drawn By: T.L.O. / Project No. 3000 Checked By: D.K.S. / Sheet No. 1 of 1

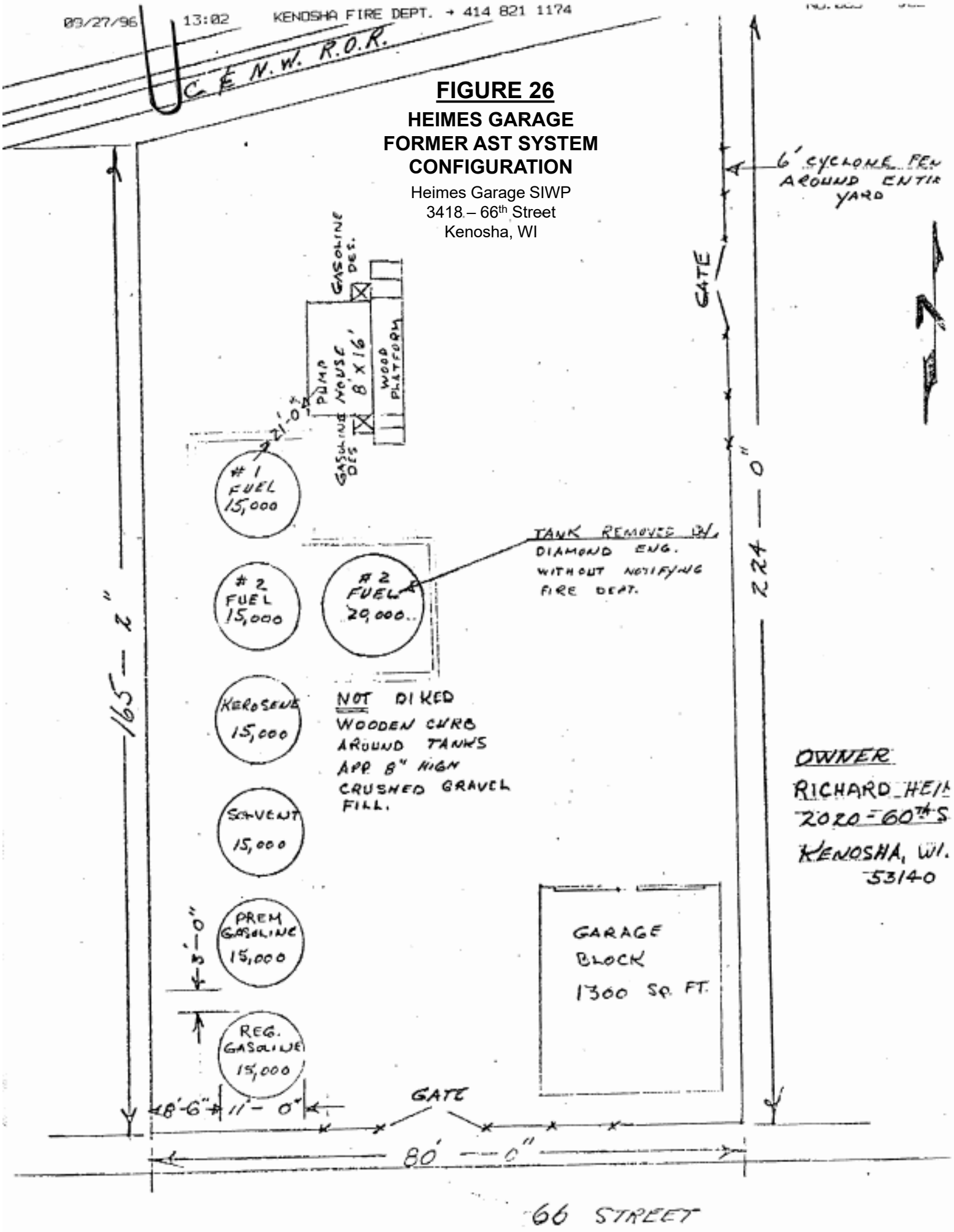

FIGURE 26

HEIMES GARAGE
FORMER AST SYSTEM CONFIGURATION

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI

Figure _ Site Features and Soil Boring Locations

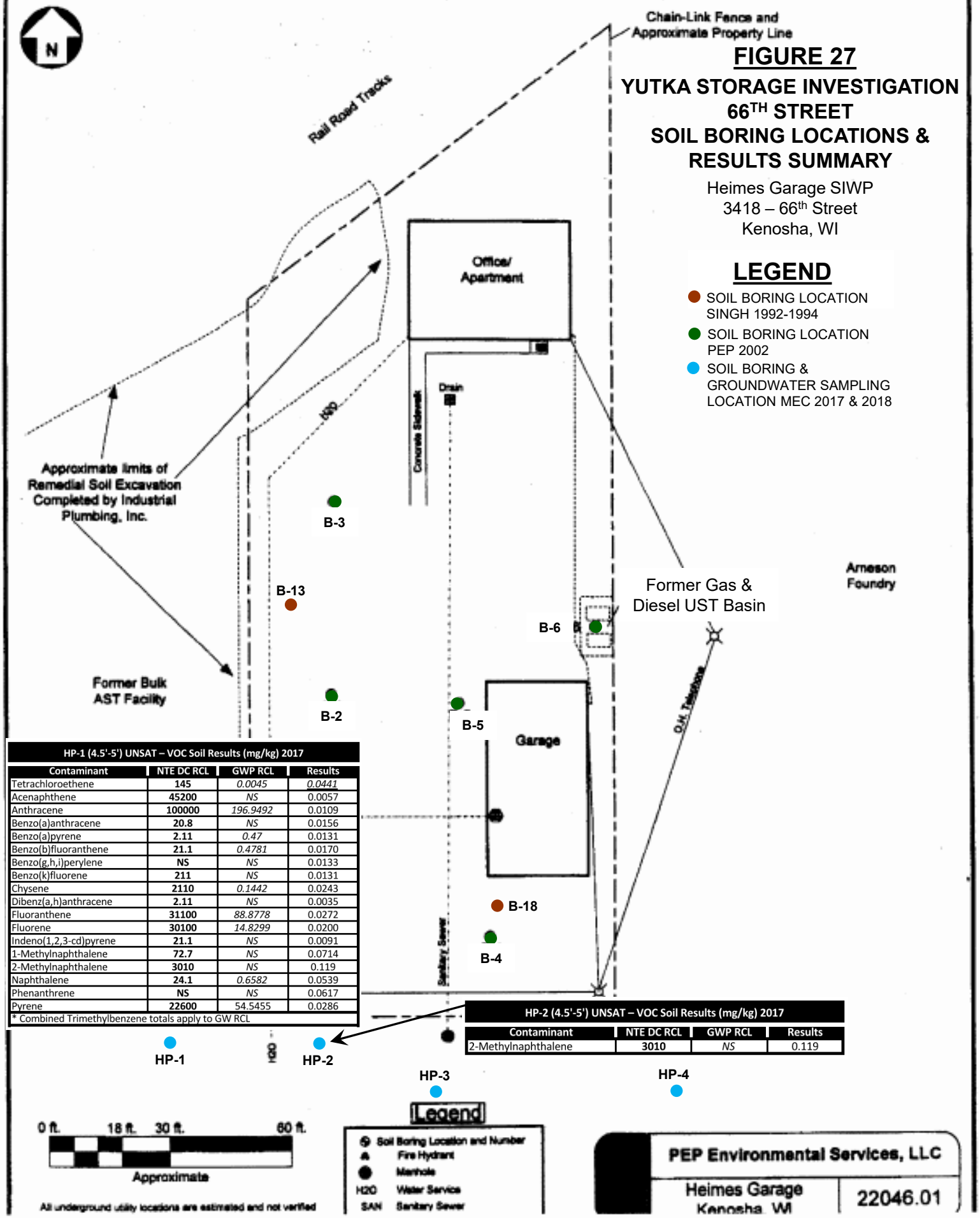

FIGURE 27

YUTKA STORAGE INVESTIGATION
66TH STREET
SOIL BORING LOCATIONS & RESULTS SUMMARY

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI

LEGEND

- SOIL BORING LOCATION SINGH 1992-1994
- SOIL BORING LOCATION PEP 2002
- SOIL BORING & GROUNDWATER SAMPLING LOCATION MEC 2017 & 2018

HP-1 (4.5'-5') UNSAT – VOC Soil Results (mg/kg) 2017

Contaminant	NTE DC RCL	GWP RCL	Results
Tetrachloroethene	145	*0.0045*	*0.0441*
Acenaphthene	45200	*NS*	0.0057
Anthracene	100000	*196.9492*	0.0109
Benzo(a)anthracene	20.8	*NS*	0.0156
Benzo(a)pyrene	2.11	*0.47*	0.0131
Benzo(b)fluoranthene	21.1	*0.4781*	0.0170
Benzo(g,h,i)perylene	NS	*NS*	0.0133
Benzo(k)fluorene	211	*NS*	0.0131
Chysene	2110	*0.1442*	0.0243
Dibenz(a,h)anthracene	2.11	*NS*	0.0035
Fluoranthene	31100	*88.8778*	0.0272
Fluorene	30100	*14.8299*	0.0200
Indeno(1,2,3-cd)pyrene	21.1	*NS*	0.0091
1-Methylnaphthalene	72.7	*NS*	0.0714
2-Methylnaphthalene	3010	*NS*	0.119
Naphthalene	24.1	*0.6582*	0.0539
Phenanthrene	NS	*NS*	0.0617
Pyrene	22600	54.5455	0.0286

* Combined Trimethylbenzene totals apply to GW RCL

HP-2 (4.5'-5') UNSAT – VOC Soil Results (mg/kg) 2017

Contaminant	NTE DC RCL	GWP RCL	Results
2-Methylnaphthalene	3010	*NS*	0.119

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22046.01

Figure _ Site Features and Soil Boring Locations

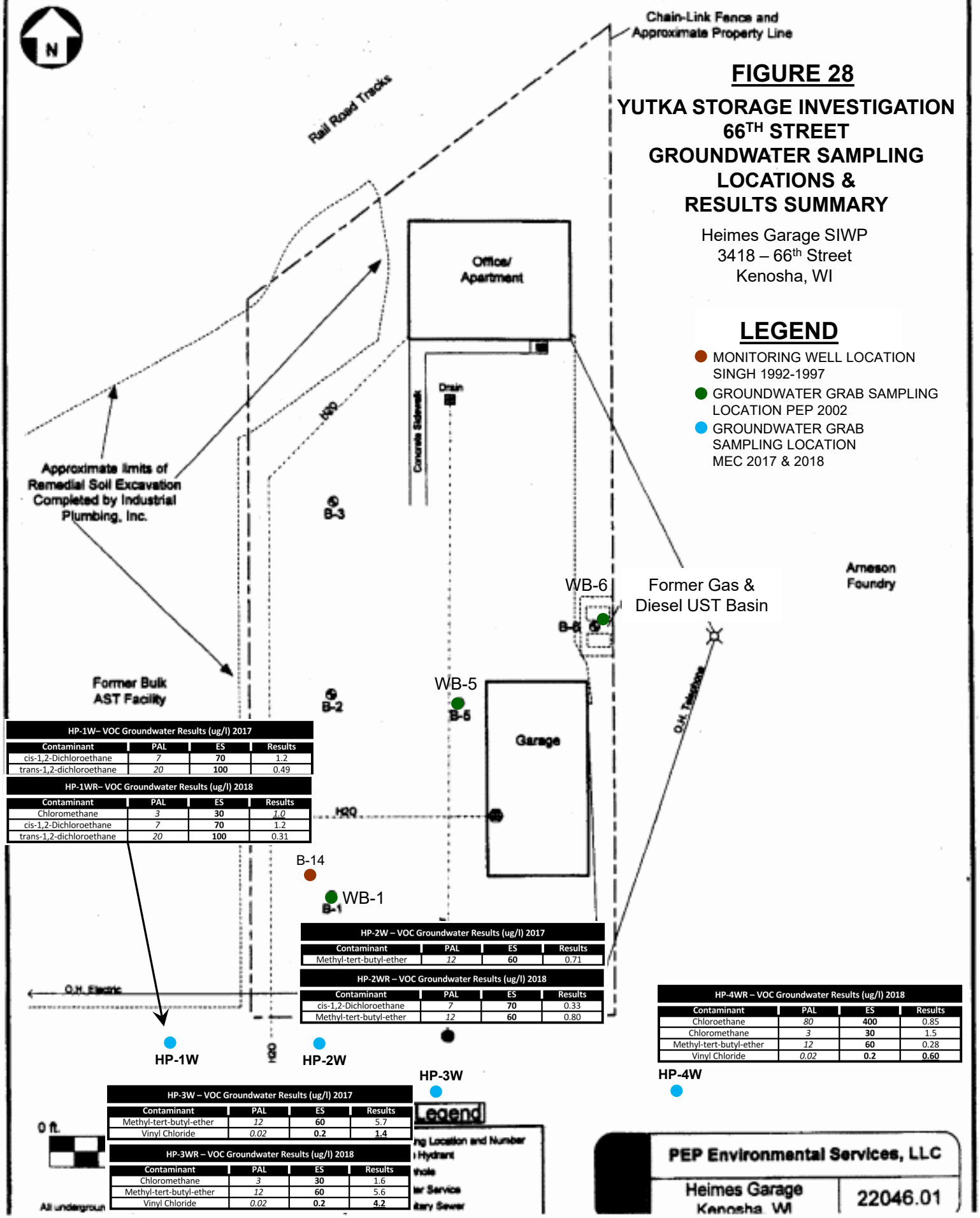


FIGURE 28

YUTKA STORAGE INVESTIGATION 66TH STREET GROUNDWATER SAMPLING LOCATIONS & RESULTS SUMMARY

Heimes Garage SIWP
3418 – 66th Street
Kenosha, WI

LEGEND

- MONITORING WELL LOCATION SINGH 1992-1997
- GROUNDWATER GRAB SAMPLING LOCATION PEP 2002
- GROUNDWATER GRAB SAMPLING LOCATION MEC 2017 & 2018

HP-1W– VOC Groundwater Results (ug/l) 2017

Contaminant	PAL	ES	Results
cis-1,2-Dichloroethane	*7*	**70**	1.2
trans-1,2-dichloroethane	*20*	**100**	0.49

HP-1WR– VOC Groundwater Results (ug/l) 2018

Contaminant	PAL	ES	Results
Chloromethane	*3*	**30**	*1.0*
cis-1,2-Dichloroethane	*7*	**70**	1.2
trans-1,2-dichloroethane	*20*	**100**	0.31

HP-2W – VOC Groundwater Results (ug/l) 2017

Contaminant	PAL	ES	Results
Methyl-tert-butyl-ether	*12*	**60**	0.71

HP-2WR – VOC Groundwater Results (ug/l) 2018

Contaminant	PAL	ES	Results
cis-1,2-Dichloroethane	*7*	**70**	0.33
Methyl-tert-butyl-ether	*12*	**60**	0.80

HP-4WR – VOC Groundwater Results (ug/l) 2018

Contaminant	PAL	ES	Results
Chloroethane	*80*	**400**	0.85
Chloromethane	*3*	**30**	1.5
Methyl-tert-butyl-ether	*12*	**60**	0.28
Vinyl Chloride	*0.02*	**0.2**	**0.60**

HP-3W – VOC Groundwater Results (ug/l) 2017

Contaminant	PAL	ES	Results
Methyl-tert-butyl-ether	*12*	**60**	5.7
Vinyl Chloride	*0.02*	**0.2**	**1.4**

HP-3WR – VOC Groundwater Results (ug/l) 2018

Contaminant	PAL	ES	Results
Chloromethane	*3*	**30**	1.6
Methyl-tert-butyl-ether	*12*	**60**	5.6
Vinyl Chloride	*0.02*	**0.2**	**4.2**

PEP Environmental Services, LLC
Heimes Garage Kenosha, WI
22046.01

TABLES

Table 1 (Page 1 of 2)
Soil Analytical Results Table
Heimes Garage
3418 66th Street
Kenosha, WI

Parameters	Sample Information / Results					Residual Contaminant Levels		
Sample ID	**DP-1**	**DP-2**	**DP-2**	**DP-3**	**DP-4**			
Sample Depth (ft/bls)	**5-7**	**2-3**	**3-4**	**3-4**	**2-2.5**	**Groundwater Protection**	**Not to Exceed Non-Industrial Direct Contact**	**Not to Exceed Industrial Direct Contact Protection**
Saturation Depth (ft/bls)	**7**	**5**	**5**	**8**	**5**			
Saturated / Unsaturated	**Unsaturated**	**Unsaturated**	**Unsaturated**	**Unsaturated**	**Unsaturated**			
Sample Date	**9/16/19**	**9/16/19**	**9/16/19**	**9/16/19**	**9/16/19**			
PVOCs (mg/kg)						mg/kg	mg/kg	mg/kg
1,2,4-Trimethylbenzene	<0.025	<0.20	<0.12	<0.12	<0.025	1.3787*	219	219
Ethylbenzene	<0.025	0.32	0.17	<0.12	<0.025	1.57	8.02	35.4
PAHs (mg/kg)						mg/kg	mg/kg	mg/kg
Acenaphthene	<0.0049	0.21	0.67	0.15	<0.0051	NS	3,590	45,200
Acenaphthylene	<0.0042	0.047	0.15	0.048	<0.0043	NS	NS	NS
Anthracene	<0.0072	0.076	0.22	0.039	<0.0075	196.9492	17,900	100,000
Benzo(a)anthracene	0.0047	<0.027	<0.11	0.032	0.0042	NS	1.14	20.8
Benzo(b)fluoranthene	0.0038	<0.029	<0.11	<0.028	<0.0037	0.4781	1.15	21.1
Fluoranthene	<0.0066	<0.025	<0.098	<0.024	<0.0068	88.8778	2,390	30,100
Fluorene	<0.0052	0.24	0.75	0.15	<0.0054	14.8299	2,390	30,100
1-Methylnaphthalene	<0.0051	2.1	6.7	2.2	0.011	NS	17.6	72.7
2-Methylnaphthalene	<0.0063	3.6	12.1	3.4	0.027	NS	239	3,010
Naphthalene	<0.011	*1.3*	*4.2*	*1.6*	0.011	0.6582	5.52	24.1
Phenanthrene	<0.015	0.69	2.1	0.26	<0.015	NS	NS	NS
Pyrene	<0.0057	<0.031	<0.12	0.046	<0.0059	54.5455	1,790	22,600

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.
RCL - Residual Contaminant Level
PVOCs - Petroleum Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
NS - No Standard

Table 1 (Page 2 of 2)
Soil Analytical Results Table
Heimes Garage
3418 66th Street
Kenosha, WI

Parameters	Sample Information / Results				Residual Contaminant Levels		
Sample ID	**DP-5**	**DP-6**	**DP-7**	**DP-8**			
Sample Depth (ft/bls)	**2-2.5**	**2-2.5**	**2-3**	**2.5-3**	**Groundwater Protection**	**Not to Exceed Non-Industrial Direct Contact**	**Not to Exceed Industrial Direct Contact Protection**
Saturation Depth (ft/bls)	**7**	**5**	**5**	**5.5**			
Saturated / Unsaturated	**Unsaturated**	**Unsaturated**	**Unsaturated**	**Unsaturated**			
Sample Date	**9/16/19**	**9/16/19**	**9/16/19**	**9/16/19**			
PVOCs (mg/kg)					mg/kg	mg/kg	mg/kg
1,2,4-Trimethylbenzene	<0.025	0.060	<0.025	<0.025	1.3787*	219	219
Ethylbenzene	<0.025	<0.025	<0.025	<0.025	1.57	8.02	35.4
PAHs (mg/kg)					mg/kg	mg/kg	mg/kg
Acenaphthene	<0.0028	<0.0047	<0.0050	<0.0030	NS	3,590	45,200
Acenaphthylene	<0.0027	<0.0040	<0.0043	<0.0029	NS	NS	NS
Anthracene	<0.0027	<0.0069	<0.0074	<0.0028	196.9492	17,900	100,000
Benzo(a)anthracene	0.0045	<0.0038	<0.0041	<0.0029	NS	1.14	20.8
Benzo(b)fluoranthene	0.0042	<0.0034	<0.0037	<0.0032	0.4781	1.15	21.1
Fluoranthene	0.0041	<0.0063	<0.0068	<0.0027	88.8778	2,390	30,100
Fluorene	<0.0026	<0.0050	<0.0054	<0.0027	14.8299	2,390	30,100
1-Methylnaphthalene	0.013	0.022	<0.0052	0.0037	NS	17.6	72.7
2-Methylnaphthalene	0.021	0.042	<0.0065	0.0080	NS	239	3,010
Naphthalene	0.0084	0.086	<0.011	0.012	0.6582	5.52	24.1
Phenanthrene	0.0086	<0.014	<0.015	<0.0026	NS	NS	NS
Pyrene	<0.0032	<0.0054	<0.0059	<0.0033	54.5455	1,790	22,600

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.
RCL - Residual Contaminant Level
PVOCs - Petroleum Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
NS - No Standard

Table 2 (Page 1 of 3)
Groundwater Analytical Results Table
Heimes Garage
3418 66th Street
Kenosha, WI

Parameters	Sample ID, Collection Date, Results								Groundwater Quality Standards	
	DP-1W 9/16/19	DP-2W 9/16/19	DP-3W 9/16/19	DP-4W 9/16/19	DP-5W 9/16/19	DP-6W 9/16/19	DP-7W 9/16/19	DP-8W 9/16/19	PAL	ES
VOCs (ug/l)									ug/l	ug/l
Benzene	<0.25	*3.7*	**11.6**	*1.4*	<0.50	**169**	<0.50	<0.50	0.5	5
n-Butylbenzene	<0.71	5.5	7.9	<0.71	<0.71	<2.8	<0.71	<0.71	NS	NS
sec-Butylbenzene	<0.85	3.6	9.3	<0.85	<0.85	<3.4	<0.85	<0.85	NS	NS
tert-Butylbenzene	<0.30	<0.61	0.91	<0.30	<0.30	<1.2	<0.30	<0.30	NS	NS
1,2-Dichloroethane	<0.28	*2.4*	*3.2*	<0.28	<0.28	<1.1	<0.28	<0.28	0.5	5
cis-1,2-Dichloroethene	<0.27	<0.54	<0.27	*13.1*	<0.27	<1.1	<0.27	<0.27	7	70
trans-1,2-Dichloroethene	<1.1	<2.2	<1.1	1.4	<1.1	<4.4	<1.1	<1.1	20	100
Diisopropyl ether	<1.9	7.6	3.1	<1.9	<1.9	<7.6	<1.9	<1.9	NS	NS
Ethylbenzene	<0.22	1.8	1.7	<0.22	<0.22	1.3J	<0.22	<0.22	140	700
Isopropylbenzene (Cumene)	<0.39	15.4	24.6	<0.39	<0.39	<1.6	<0.39	<0.39	NS	NS
p-Isopropyltoluene	<0.80	<1.6	0.98	<0.80	<0.80	<3.2	<0.80	<0.80	NS	NS
Methyl-tert-butyl-ether	<1.2	<2.5	*13.4*	**86.6**	**178**	**233**	<1.2	<1.2	12	60
Naphthalene	<1.2	*83.6*	*92.6*	<1.2	<1.2	<4.7	<1.2	<1.2	10	100
n-Propylbenzene	<0.81	43.9	35.3	<0.81	<0.81	<3.2	<0.81	<0.81	NS	NS
Tetrachloroethene	<0.33	<0.65	<0.33	<0.33	<0.33	<1.3	<0.33	<0.33	0.5	5
Toluene	<0.17	0.55	2.5	<0.17	<0.17	1.1	<0.17	<0.17	160	800
Trichloroethene	<0.26	<0.51	<0.26	<0.26	<0.26	<1.0	<0.26	<0.26	0.5	5
Vinyl Chloride	<0.17	<0.35	<0.17	**0.72**	<0.17	<0.70	<0.17	<0.17	0.02	0.2
Xylenes	<1.5	<3.0	2.5	<1.5	<1.5	14.6	<1.5	<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.
VOCs - Volatile Organic Compounds
PAL - NR 140 Preventive Action Limit
ES - NR 140 Enforcement Standard
NS - No Standard

Table 2 (Page 2 of 3)
Groundwater Analytical Results Table
Heimes Garage
3418 66th Street
Kenosha, WI

Parameters											Groundwater Quality Standards	
	MW-1		MW-2		MW-3		MW-4		MW-5		PAL	ES
	1/29/20	3/31/20	1/29/20	3/31/20	1/29/20	3/31/20	1/29/20	3/31/20	1/29/20	3/31/20		
VOCs (ug/l)											ug/l	ug/l
Benzene	***7.6***	***27.6***	0.42	<0.25	<0.25	*4.7*	<0.25	<0.25	<0.25	<0.25	0.5	5
n-Butylbenzene	0.74	NA	<0.71	NA	<0.71	NA	<0.71	NA	<0.71	NA	NS	NS
sec-Butylbenzene	0.93	NA	<0.85	NA	<0.85	NA	<0.85	NA	<0.85	NA	NS	NS
tert-Butylbenzene	1.2	NA	<0.30	NA	<0.30	NA	<0.30	NA	<0.30	NA	NS	NS
1,2-Dichloroethane	*3.4*	NA	<0.28	NA	<0.28	NA	<0.28	NA	<0.28	NA	0.5	5
cis-1,2-Dichloroethene	<0.27	NA	0.90	NA	<0.27	NA	<0.27	NA	<0.27	NA	7	70
trans-1,2-Dichloroethene	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	<1.1	NA	20	100
Diisopropyl ether	3.4	NA	<1.9	NA	<1.9	NA	<1.9	NA	<1.9	NA	NS	NS
Ethylbenzene	0.29	0.94	<0.22	<0.32	<0.22	0.38	<0.22	<0.32	<0.22	<0.32	140	700
Isopropylbenzene (Cumene)	3.0	NA	0.93	NA	<0.39	NA	<0.39	NA	<0.39	NA	NS	NS
p-Isopropyltoluene	<0.80	NA	<0.80	NA	<0.80	NA	<0.80	NA	<0.80	NA	NS	NS
Methyl-tert-butyl-ether	3.6	2.2	***95.8***	9.3	*33.3*	***123***	<1.2	<1.2	***167***	***94.4***	12	60
Naphthalene	7.5	*44.2*	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	10	100
n-Propylbenzene	3.9	NA	<0.81	NA	<0.81	NA	<0.81	NA	<0.81	NA	NS	NS
Toluene	0.25	0.72	<0.17	<0.27	<0.17	<0.27	<0.17	<0.27	<0.17	<0.27	160	800
Trichloroethene	<0.26	NA	<0.26	NA	<0.26	NA	<0.26	NA	<0.26	NA	0.5	5
Vinyl Chloride	<0.17	NA	***0.38***	NA	<0.17	NA	<0.17	NA	<0.17	NA	0.02	0.2
Xylenes	1.0	1.4	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	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
NS - No Standard

Table 2 (Page 3 of 3)
Groundwater Analytical Results Table
Heimes Garage
3418 66th Street
Kenosha, WI

Parameters				Groundwater Quality Standards	
	MW-6	MW-7	MW-8	PAL	ES
	3/31/20	3/31/20	3/31/20		
VOCs (ug/l)				ug/l	ug/l
Benzene	<0.25	<0.25	<0.25	0.5	5
n-Butylbenzene	<0.71	<0.71	<0.71	NS	NS
sec-Butylbenzene	<0.85	<0.85	<0.85	NS	NS
tert-Butylbenzene	<0.30	<0.30	<0.30	NS	NS
1,2-Dichloroethane	<0.28	<0.28	<0.28	0.5	5
cis-1,2-Dichloroethene	<0.27	5.1	<0.27	7	70
trans-1,2-Dichloroethene	<0.46	<0.46	<0.46	20	100
Diisopropyl ether	<1.9	<1.9	<1.9	NS	NS
Ethylbenzene	<0.32	<0.32	<0.32	140	700
Isopropylbenzene (Cumene)	<1.7	<1.7	<1.7	NS	NS
p-Isopropyltoluene	<0.80	<0.80	<0.80	NS	NS
Methyl-tert-butyl-ether	<1.2	<1.2	<1.2	12	60
Naphthalene	<1.2	<1.2	<1.2	10	100
n-Propylbenzene	<0.81	<0.81	<0.81	NS	NS
Tetrachloroethene	<0.33	*1.1*	*0.58*	0.5	5
Toluene	<0.27	<0.27	<0.27	160	800
Trichloroethene	<0.26	0.36	<0.26	0.5	5
Vinyl Chloride	<0.17	<0.17	<0.17	0.02	0.2
Xylenes	<0.73	<0.73	<0.73	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
NS - No Standard

Table 3A (Page 1 of 3)
Monitoring Well Data
Heimes Garage

Measurement	Well ID, Survey Date							
	MW-1 2/17/2020	MW-2 2/17/2020	MW-3 2/17/2020	MW-4 2/17/2020	MW-5 2/17/2020	MW-6 4/14/2020	MW-7 4/14/2020	MW-8 4/14/2020
TOC Elevation (ft)	634.68	634.09	634.01	634.28	633.20	632.56	633.03	631.20
Ground Surface Elevation (ft)	632.18	630.99	631.21	631.18	630.90	629.96	630.23	631.80
TOS Elevation (ft)	629.2	629.1	627.4	628.9	626.5	627.7	627.7	629.4
Screened Length (ft)	10	10	10	10	10	10	10	10
Total Well Depth (ft)	15.5	15.0	16.6	15.4	16.7	14.9	15.3	11.8
Stickup	2.5	3.1	2.8	3.1	2.3	2.6	2.8	-0.6

Notes:
The reference point is the top bolt on the fire hydrant located on the east side 34th Avenue, approximately 50 feet south of the intersection with 66th Street with an elevation of 633.45 feet above mean sea level.
TOC = Top of casing
TOS = Top of screen
NA = Not Applicable
MSL = Mean sea level

Table 3B (Page 2 of 3)
Groundwater Elevation Measurements
Heimes Garage

Measurement	Well ID, Date															
	MW-1				MW-2				MW-3				MW-4			
	1/22/20	1/29/20	2/17/20	03/31/20	1/22/20	1/29/20	2/17/20	03/31/20	1/22/20	1/29/20	2/17/20	03/31/20	1/22/20	1/29/20	2/17/20	03/31/20
Depth to Groundwater Below TOC (ft)	6.80	6.45	6.69	5.96	8.07	5.96	6.43	5.59	5.85	5.42	5.87	4.60	5.90	5.62	5.88	4.82
Groundwater Elevation (ft)	627.88	628.23	627.99	628.72	626.02	628.13	627.66	628.50	628.16	628.59	628.14	629.41	628.38	628.66	628.40	629.46
Groundwater Depth Below Ground Surface (ft)	4.3	4.0	4.2	3.5	5.0	2.9	3.3	2.5	3.1	2.6	3.1	1.8	2.8	2.5	2.8	1.7
Water Column Height (ft)	8.7	9.1	8.8	9.5	6.9	9.0	8.6	9.4	10.8	11.2	10.7	12.0	9.5	9.8	9.5	10.6
Well Volume (gal)	5.9	6.2	NA	6.6	5.8	8.2	NA	7.7	7.9	7.9	NA	8.1	7.9	7.9	NA	8.1
Volume Removed (gal)	18	20	NA	20	8 (1)	10 (1)	NA	9 (1)	10 (1)	10 (1)	NA	10 (1)	25	25	NA	25

Notes:
(1) = Well was purged dry
NA = Not Applicable

Table 3B (Page 2 of 3)
Groundwater Elevation Measurements
Heimes Garage

Measurement	Well ID, Date															
	MW-1				MW-2				MW-3				MW-4			
	1/22/20	1/29/20	2/17/20	03/31/20	1/22/20	1/29/20	2/17/20	03/31/20	1/22/20	1/29/20	2/17/20	03/31/20	1/22/20	1/29/20	2/17/20	03/31/20
Depth to Groundwater Below TOC (ft)	6.80	6.45	6.69	5.96	8.07	5.96	6.43	5.59	5.85	5.42	5.87	4.60	5.90	5.62	5.88	4.82
Groundwater Elevation (ft)	627.88	628.23	627.99	628.72	626.02	628.13	627.66	628.50	628.16	628.59	628.14	629.41	628.38	628.66	628.40	629.46
Groundwater Depth Below Ground Surface (ft)	4.3	4.0	4.2	3.5	5.0	2.9	3.3	2.5	3.1	2.6	3.1	1.8	2.8	2.5	2.8	1.7
Water Column Height (ft)	8.7	9.1	8.8	9.5	6.9	9.0	8.6	9.4	10.8	11.2	10.7	12.0	9.5	9.8	9.5	10.6
Well Volume (gal)	5.9	6.2	NA	6.6	5.8	8.2	NA	7.7	7.9	7.9	NA	8.1	7.9	7.9	NA	8.1
Volume Removed (gal)	18	20	NA	20	8 (1)	10 (1)	NA	9 (1)	10 (1)	10 (1)	NA	10 (1)	25	25	NA	25

Notes:
(1) = Well was purged dry
NA = Not Applicable

Table 3B (Page 3 of 3)
Groundwater Elevation Measurements
Heimes Garage

Measurement	Well ID, Date									
	MW-5				MW-6		MW-7		MW-8	
	1/22/20	1/29/20	2/17/20	03/31/20	03/26/20	03/31/20	03/26/20	03/31/20	3/26/20	03/31/20
Depth to Groundwater Below TOC (ft)	5.46	4.88	5.52	4.03	5.56	3.95	5.40	4.19	4.05	2.76
Groundwater Elevation (ft)	627.74	628.32	627.68	629.17	627.00	628.61	627.63	628.84	627.15	628.44
Groundwater Depth Below Ground Surface (ft)	3.2	2.6	3.2	1.7	3.0	1.4	2.6	1.4	4.6	3.4
Water Column Height (ft)	11.2	11.8	11.2	12.7	9.3	11.4	9.9	11.1	7.8	9.0
Well Volume (gal)	7.9	8.0	NA	8.2	7.1	7.7	7.5	7.8	5.9	6.8
Volume Removed (gal)	15 (1)	15 (1)	NA	15 (1)	22	24	24	24	7 (1)	8 (1)

Notes:
(1) = Well was purged dry
NA = Not Applicable

TABLE 4 (Page 1 of 1)
Heimes PEP Environmental Phase II Soil Sample Analytical Results Summary
Heimes Garage
PEP Environmental - December 2002

Sampling Location	B-1	B-2	B-3	B-4	B-5	B-6			
Sample Depth (ft-bls)	4-6	4-6	4-6	4-6	4-6	6-8			
Saturation Depth (ft-bls)	6	6	6	6	6	6			
Saturated/Unsaturated	Unsat	Unsat	Unsat	Unsat	Unsat	Sat			
Collection Date	12/9/02	12/9/02	12/9/02	12/9/02	12/9/02	12/9/02	Industrial Direct Contact	NR 720 RCLs Non-Industrial Direct Contact	Groundwater Protection
Parameter PVOCs (mg/kg)							mg/kg	mg/kg	mg/kg
Benzene	<0.025	*3.060*	<0.025	<0.025	*0.0596*	7.130	7.07	1.6	0.0051
Ethylbenzene	1.020	*6.510*	*4.170*	<0.025	0.368	89.200	35.4	8.02	1.57
Naphthalene	*3.920*	*73.600*	*6.060*	0.0397	*2.280*	57.100	24.1	5.52	0.6582
Toluene	0.374	*2.880*	*2.330*	<0.025	0.085	6.730	818	818	1.1072
1,2,4-Trimethylbenzene	*1.690*	*14.500*	*1.910*	<0.025	0.456	191.000	219	219	1.3787 (1)
1,3,5-Trimethylbenzene	*3.650*	*4.410*	*5.000*	<0.025	0.806	63.700	182	182	1.3787 (1)
Xylenes	2.020	*14.100*	2.460	0.0423	1.780	375.000	260	260	3.96
GRO/DRO (mg/kg)							mg/kg	mg/kg	mg/kg
GRO	426	2250	651	<6.14	113	4250	NS	NS	NS
DRO	46.9	7080	46.8	<6.14	106	2660	NS	NS	NS
Metals (mg/kg)							mg/kg	mg/kg	mg/kg	**Background Threshold Value mg/kg**
Lead	NA	NA	NA	NA	NA	7.25	800	400	27	52

Notes:
Table includes detected analytes only.
Italicized Type indicates a contaminant concentration above the groundwater protection RCL, which may result in exceedance of groundwater quality standards.
Bold Type indicates contaminant a concentration exceeding the industrial direct contact exposure RCL in the upper four feet of the subsurface, which may pose a risk to human health through direct contact exposure. The property is zoned M-2 Heavy Manufacturing.
(1) The groundwater protection RCL applies to combined trimethylbenzenes.
RCL = Residual Contaminant Level
VOCs = Volatile Organic Compounds
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
NA = Not Analyzed
NS = No Standard

TABLE 5 (Page 1 of 1)
Heimes PEP Environmental Phase II Groundwater Sample Analytical Results
Summary
Heimes Garage
PEP Environmental - December 2002

Sampling Location Collection Date	B-1 (WB-1) 12/9/02	B-5 (WB-5) 12/9/02	B-6 (WB-6) 12/9/02	Groundwater Quality Standards Enforcement Standards	 Preventive Action Limits
Parameter **PVOCs, Napthalene (ug/l)**				ug/l	ug/l
Benzene	<0.50	<0.50	**184**	5	0.5
Ethylbenzene	<0.50	4.22	**2,340**	700	140
Methyl-tert-butyl-ether	5.02	1.11	**325**	60	12
Naphthalene	<2	*50.4*	**891**	100	10
Toluene	<0.50	1.47	**839**	800	160
1,2,4-Trimethylbenzene	<1	6.84	**2,620**	480 (1)	96 (1)
1,3,5-Trimethylbenzene	<1	4.73	**901**	480 (1)	96 (1)
Xylenes	1.02	10.50	**9,760**	2,000	400
GRO (ug/l)				ug/l	ug/l
GRO	<50	1,180	27,600	NS	NS

Notes:
Table includes detected analytes only.
Italicized Type indicates a contaminant concentration exceeding the preventive action limit.
Bold Type indicates contaminant a concentration exceeding the enforcement standard
(1) The groundwater quality standards apply to combined trimethylbenzenes.
PVOCs = Petroleum Volatile Organic Compounds
GRO = Gasoline Range Organics
NS = No Standard

TABLE 6 (Page 1 of 1)
Industrial Pumping Investigative Soil Sample Analytical Results Summary
Locations Adjacent to Heimes Site
K. Singh & Associates 1992

Sampling Location	B-2	B-3	B-4	B-4	B-8			
Sample Depth (ft-bls)	6-7.5	6-7.5	3.5-5	8.5-10	3.5-5			
Saturation Depth (ft-bls)	6	6	6	6	6			
Saturated/Unsaturated	Sat	Sat	Unsat	Sat	Unsat			
Collection Date	6/17/92	6/17/92	6/17/92	6/17/92	6/17/92	Industrial Direct Contact	NR 720 RCLs Non-Industrial Direct Contact	Groundwater Protection
Parameter VOCs (mg/kg)						mg/kg	mg/kg	mg/kg
Benzene	<0.058	0.890	<0.050	NA	<0.050	7.07	1.6	0.0051
n-Butylbenzene	NA	NA	NA	NA	NA	108	108	NS
Chlorobenzene	NA	NA	NA	NA	NA	761	370	0.1358
Ethylbenzene	<0.058	0.760	0.100	NA	0.980	35.4	8.02	1.57
Methyl-tert-butyl-ether	<0.058	1.000	<0.050	NA	<0.050	282	63.8	0.027
Isopropylbenzene	NA	NA	NA	NA	NA	268	268	NS
Naphthalene	NA	NA	NA	NA	NA	24.1	5.52	0.6582
Toluene	0.100	4.400	<0.050	NA	<0.050	818	818	1.1072
1,2,4-Trimethylbenzene	0.079	1.400	*1.900*	NA	*4.300*	219	219	1.3787
1,3,5-Trimethylbenzene	<0.058	0.790	*0.800*	NA	*3.400*	182	182	1.3787
Xylenes	0.130	5.300	0.130	NA	1.100	260	260	3.96
GRO/DRO (mg/kg)						mg/kg	mg/kg	mg/kg
GRO	7.6	65	66	NA	250	NS	NS	NS
DRO	90	23	970	26	1100	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
Naphthalene	NA	NA	NA	NA	NA	24.1	5.52	0.6582
PCBs (mg/kg)						mg/kg	mg/kg	mg/kg
PCBs	NA	NA	NA	NA	NA	NS (2)	NS (2)	NS (2)
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg	Background Threshold Value mg/kg
Arsenic	NA	NA	NA	NA	NA	3	0.677	0.584	8
Barium	NA	NA	NA	NA	NA	100,000	15,300	164.8	364
Chromium	NA	NA	NA	NA	NA	100,000	100,000	360,000	44
Lead	10	4.5	5.3	NA	4.7	800	400	27	52
Selenium	NA	NA	NA	NA	NA	5,840	391	0.52	NA

Notes:
Table includes detected analytes only.
Italicized Type indicates a contaminant concentration above the groundwater protection RCL, which may result in exceedance of groundwater quality standards.
Bold Type indicates contaminant a concentration exceeding the industrial direct contact exposure RCL in the upper four feet of the subsurface, which may pose a risk to human health through direct contact exposure. The property is zoned M-2 Heavy Manufacturing.
(1) The groundwater protection RCL applies to combined trimethylbenzenes.
(2) RCLs apply to individual PCB compounds
RCL = Residual Contaminant Level
VOCs = Volatile Organic Compounds
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
PCBs = Polychlorinated Biphenyls
PAHs = Polynuclear Organic Hydrocarbons
RCRA = Resource Conservation and Recovery Act
NA = Not Analyzed
NS = No Standard

TABLE 7 (Page 1 of 1)
Industrial Pumping Investigative Soil Sample Analytical Results Summary
Locations on Heimes Site
K. Singh & Associates 1992 - 1994

Sampling Location	B-11	B-13	B-14	B-14	B-18			
Sample Depth (ft-bls)	8.5-10	8.5-10	6-7	8.5-10	8.5-10			
Saturation Depth (ft-bls)	6	6	6	6	6			
Saturated/Unsaturated	Sat	Sat	Sat	Sat	Sat			
Collection Date	10/29/92	7/22/94	7/22/94	7/22/94	7/25/94	Industrial Direct Contact	NR 720 RCLs Non-Industrial Direct Contact	Groundwater Protection
Parameter VOCs (mg/kg)						mg/kg	mg/kg	mg/kg
Benzene	NA	0.91	<0.50	<1.1	<0.10	7.07	1.6	0.0051
n-Butylbenzene	NA	<0.20	0.98	<1.1	0.24	108	108	NS
Chlorobenzene	NA	<0.20	0.75	<1.1	0.21	761	370	0.1358
Ethylbenzene	NA	1.4	<0.50	<1.1	<0.025	35.4	8.02	1.57
Isopropylbenzene	NA	<0.20	<0.50	<1.1	0.82	268	268	NS
Naphthalene	NA	<0.20	0.94	<1.1	0.22	24.1	5.52	0.6582
Toluene	NA	0.48	<0.50	<1.1	0.12	818	818	1.1072
1,2,4-Trimethylbenzene	NA	0.57	4.2	4.1	0.19	219	219	1.3787
1,3,5-Trimethylbenzene	NA	0.20	1.2	2.1	<0.10	182	182	1.3787
Xylenes	NA	1.8	3.3	5.4	0.32	260	260	3.96
GRO/DRO (mg/kg)						mg/kg	mg/kg	mg/kg
GRO	NA	21	80	120	5.7	NS	NS	NS
DRO	0.75	<5.0	12	8.1	<5.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
Naphthalene	NA	<40	0.130	<40	<40	24.1	5.52	0.6582
PCBs (mg/kg)						mg/kg	mg/kg	mg/kg
PCBs	NA	ND	ND	ND	ND	NS (2)	NS (2)	NS (2)

RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg	Background Threshold Value mg/kg
Arsenic	NA	6.6	2.4	5.4	2.6	3	0.677	0.584	8
Barium	NA	31	24	44	23	100,000	15,300	164.8	364
Chromium	NA	4.4	5.5	9.9	7.0	100,000	100,000	360,000	44
Lead	NA	8.0	7.6	7.0	7.6	800	400	27	52
Selenium	NA	0.58	0.67	0.69	0.62	5,840	391	0.52	NA

Notes:
Table includes detected analytes only.
Italicized Type indicates a contaminant concentration above the groundwater protection RCL, which may result in exceedance of groundwater quality standards.
Bold Type indicates contaminant a concentration exceeding the industrial direct contact exposure RCL in the upper four feet of the subsurface, which may pose a risk to human health through direct contact exposure. The property is zoned M-2 Heavy Manufacturing.
(1) The groundwater protection RCL applies to combined trimethylbenzenes.
(2) RCLs apply to individual PCB compounds
RCL = Residual Contaminant Level
VOCs = Volatile Organic Compounds
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
PCBs = Polychlorinated Biphenyls
PAHs = Polynuclear Organic Hydrocarbons
RCRA = Resource Conservation and Recovery Act
NA = Not Analyzed
NS = No Standard

TABLE 8 (Page 1 of 1)
Industrial Pumping Investigative Groundwater Sample Analytical Results Summary
Location MW-7 on Heimes Site
K. Singh & Associates July 1992 through February 1997

Sampling Location	MW-7							Groundwater Quality Standards	
Collection Date	7/1/92	7/26/94	8/2/95	1/25/96	5/24/96	10/2/96	2/19/97	Enforcement Standards	Preventive Action Limits
Parameter									
VOCs (ug/l)								ug/l	ug/
Benzene	<0.04	**20**	**19**	*4.3*	*4.4*	*1.1*	*2.0*	5	0.5
n-Butylbenzene	<0.20	1.1	NA	NA	NA	NA	NA	NS	NS
Ethylbenzene	0.2	<1.0	<0.50	<1.0	<0.50	<0.50	0.75	700	140
Isopropylbenzene	<0.20	1.5	NA	NA	NA	NA	NA	NS	NS
Methyl-tert-butyl-ether	<0.02	2.6	<5.0	2.3	*44*	*40*	*19*	60	12
Naphthalene	<0.02	<1.0	NA	NA	NA	NA	NA	100	10
Toluene	1.2	<1.0	<0.50	<1.0	<0.50	<0.50	<0.50	800	160
1,2,4-Trimethylbenzene	<0.2	6.4	<1.0	<1.0	1.1	<1.0	2.8	480 (1)	96 (1)
1,3,5-Trimethylbenzene	<0.2	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	480 (1)	96 (1)
Xylenes	<0.4	5.0	<0.50	<3.0	1.6	<0.50	11	2,000	400
GRO/DRO (ug/l)								ug/l	ug/
GRO	<0.1	160	69	<50	<50	84	150	NS	NS
DRO	<0.1	0.14	<100	340	<100	NA	NA	NS	NS
PAHs (ug/l)								ug/l	ug/
PAHs	ND	ND	ND	NA	NA	NA	NA	NS (2)	NS (2)
PCBs (ug/l)								ug/l	ug/
PCBs	ND	ND	NA	NA	NA	NA	NA	NS (2)	NS (2)
Dissolved RCRA Metals (ug/l)								ug/l	ug/
Arsenic	NA	3.1	NA	NA	NA	NA	NA	1	10
Cadmium	4	<0.5	<0.5	NA	NA	NA	NA	0.5	5

Notes:
Table includes detected analytes only.
Italicized Type indicates a contaminant concentration exceeding the preventive action limit.
Bold Type indicates contaminant a concentration exceeding the enforcement standard
(1) The groundwater quality standards apply to combined trimethylbenzenes.
(2) The groundwater quality standards apply to individual compounds
VOCs = Volatile Organic Compounds
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
PAHs = Polynuclear Aromatic Hydrocarbons
PCBs = Polychlorinated Biphenyls
RCRA = Resource Conservation and Recovery Act
NS = No Standard
NA = Not Analyzed

TABLE 9 (Page 1 of 3)
Industrial Pumping Excavation Soil Sample analytical Results Summary
On & Adjacent to Heimes Site
K. Singh - March 1995

Sampling Location	A-3B	A-3W	B-3B	B-3W	C-3B		NR 720 RCLs	
Sample Depth (ft-bls)	9.5	5.5	10.0	5.0	8.0			
Saturation Depth (ft-bls)	6	6	6	6	6			
Saturated/Unsaturated	Sat	Unsat	Sat	Unsat	Sat			
Collection Date	3/15/95	3/17/95	3/14/95	3/17/95	3/9/95	Industrial Direct Contact	Non-Industrial Direct Contact	Groundwater Protection
Parameter								
PVOCs & 1,2-DCA (mg/kg)						mg/kg	mg/kg	mg/kg
Benzene	<0.005	<0.0083	<0.005	<0.0055	<0.005	7.07	1.6	0.0051
Ethylbenzene	<0.005	<0.029	<0.005	0.150	<0.005	35.4	8.02	1.57
Methyl-tert-butyl-ether	<0.005	<0.029	<0.005	<0.025	<0.005	282	63.8	0.027
Toluene	<0.005	<0.029	<0.005	0.074	<0.005	818	818	1.1072
1,2,4-Trimethylbenzene	<0.005	<0.029	<0.005	0.160	<0.005	219	219	1.3787 (1)
1,3,5-Trimethylbenzene	<0.005	<0.029	<0.005	0.044	<0.005	182	182	1.3787 (1)
Xylenes	<0.015	<0.040	<0.015	0.380	<0.015	260	260	3.96
1,2-Dichloroethane	NA	<0.015	NA	NA	NA	2.87	0.652	0.0028
GRO/DRO (mg/kg)						mg/kg	mg/kg	mg/kg
GRO	NA	9.4	NA	NA	<5.0	NS	NS	NS
DRO	38	162	6.2	42	<5.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
Naphthalene	ND	NA	NA	NA	NA	NS	NS	NS
PCBs (mg/kg)						mg/kg	mg/kg	mg/kg
PCBs	NA	NA	NA	NA	NA	NS (2)	NS (2)	NS (2)
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg	**Background Threshold Value mg/kg**
Arsenic	NA	NA	NA	NA	NA	3	0.677	0.584	8
Barium	NA	NA	NA	NA	NA	100,000	15,300	164.8	364
Chromium	NA	NA	NA	NA	NA	100,000	100,000	360,000	44
Lead	NA	7.6	NA	NA	7.7	800	400	27	52
Selenium	NA	NA	NA	NA	NA	5,840	391	0.52	NA

Notes:
Table includes detected analytes only.
Italicized Type indicates a contaminant concentration above the groundwater protection RCL, which may result in exceedance of groundwater quality standards.
Bold Type indicates contaminant a concentration exceeding the industrial direct contact exposure RCL in the upper four feet of the subsurface, which may pose a risk to human health through direct contact exposure. The property is zoned M-2 Heavy Manufacturing.
(1) The groundwater protection RCL applies to combined trimethylbenzenes.
RCL = Residual Contaminant Level
VOCs = Volatile Organic Compounds
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
NA = Not Analyzed
NS = No Standard

TABLE 9 (Page 2 of 3)
Industrial Pumping Excavation Soil Sample Analytical Results Summary
On & Adjacent to Heimes Site
K. Singh - March 1995

Sampling Location	C-3W	D-3B	D-3W	E-3B	E-3W		NR 720 RCLs	
Sample Depth (ft-bls)	5.0	8.0	5.0	8.0	5.0			
Saturation Depth (ft-bls)	6	6	6	6	6			
Saturated/Unsaturated	Unsat	Sat	Unsat	Sat	Unsat			
Collection Date	3/17/95	3/9/95	3/9/95	3/8/95	3/8/95	Industrial Direct Contact	Non-Industrial Direct Contact	Groundwater Protection
Parameter								
PVOCs & 1,2-DCA (mg/kg)						mg/kg	mg/kg	mg/kg
Benzene	<0.0085	<0.005	<0.005	0.890	<0.005	7.07	1.6	0.0051
Ethylbenzene	<0.030	<0.005	<0.005	<0.005	<0.005	35.4	8.02	1.57
Methyl-tert-butyl-ether	<0.030	<0.005	<0.005	<0.005	<0.005	282	63.8	0.027
Toluene	<0.030	<0.005	<0.005	<0.005	<0.005	818	818	1.1072
1,2,4-Trimethylbenzene	<0.030	<0.005	<0.005	<0.005	<0.005	219	219	1.3787 (1)
1,3,5-Trimethylbenzene	<0.030	<0.005	<0.005	<0.005	<0.005	182	182	1.3787 (1)
Xylenes	0.380	<0.015	<0.015	<0.015	<0.015	260	260	3.96
1,2-Dichloroethane	NA	NA	<0.005	23	NA	2.87	0.652	0.0028
GRO/DRO (mg/kg)						mg/kg	mg/kg	mg/kg
GRO	<5.9	NA	<5.0	<5.0	NA	NS	NS	NS
DRO	21	22	<5.0	<5.0	<5.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
Naphthalene	NA	NA	NA	ND	NA	NS	NS	NS
PCBs (mg/kg)						mg/kg	mg/kg	mg/kg
PCBs	NA	NA	NA	NA	NA	NS (2)	NS (2)	NS (2)
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg	**Background Threshold Value mg/kg**
Arsenic	NA	NA	NA	NA	NA	3	0.677	0.584	8
Barium	NA	NA	NA	NA	NA	100,000	15,300	164.8	364
Chromium	NA	NA	NA	NA	NA	100,000	100,000	360,000	44
Lead	10	NA	7.8	8.6	NA	800	400	27	52
Selenium	NA	NA	NA	NA	NA	5,840	391	0.52	NA

Notes:
Table includes detected analytes only.
Italicized Type indicates a contaminant concentration above the groundwater protection RCL, which may result in exceedance of groundwater quality standards.
Bold Type indicates contaminant a concentration exceeding the industrial direct contact exposure RCL in the upper four feet of the subsurface, which may pose a risk to human health through direct contact exposure. The property is zoned M-2 Heavy Manufacturing.
(1) The groundwater protection RCL applies to combined trimethylbenzenes.
RCL = Residual Contaminant Level
VOCs = Volatile Organic Compounds
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
NA = Not Analyzed
NS = No Standard

TABLE 9 (Page 3 of 3)
Industrial Pumping Excavation Soil Sample Analytical Results Summary
On & Adjacent to Heimes Site
K. Singh - March 1995

Sampling Location	F-2W	F-3B	F-3W	G-2W	G-3B		NR 720 RCLs	
Sample Depth (ft-bls)	5.0	9.0	5.0	4.0	9.0			
Saturation Depth (ft-bls)	6	6	6	6	6			
Saturated/Unsaturated	Unsat	Sat	Unsat	Unsat	Sat			
Collection Date	3/16/95	3/15/95	3/17/95	3/15/95	3/15/95	Industrial Direct Contact	Non-Industrial Direct Contact	Groundwater Protection
Parameter								
PVOCs & 1,2-DCA (mg/kg)						mg/kg	mg/kg	mg/kg
Benzene	<0.005	<0.005	<0.0095	<0.005	<0.005	7.07	1.6	0.0051
Ethylbenzene	0.150	<0.005	<0.025	<0.005	<0.005	35.4	8.02	1.57
Methyl-tert-butyl-ether	<0.015	<0.005	<0.025	<0.005	<0.005	282	63.8	0.027
Toluene	<0.015	<0.005	<0.025	<0.005	<0.005	818	818	1.1072
1,2,4-Trimethylbenzene	0.096	<0.005	<0.025	<0.005	<0.005	219	219	1.3787 (1)
1,3,5-Trimethylbenzene	0.500	<0.005	<0.025	<0.005	<0.005	182	182	1.3787 (1)
Xylenes	<0.045	<0.015	<0.035	<0.015	<0.015	260	260	3.96
1,2-Dichloroethane	<0.005	NA	<0.013	NA	<0.005	2.87	0.652	0.0028
GRO/DRO (mg/kg)						mg/kg	mg/kg	mg/kg
GRO	150	NA	<6.6	NA	<5.0	NS	NS	NS
DRO	120	10	47	5.8	10	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
Naphthalene	NA	NA	NA	NA	NA	NS	NS	NS
PCBs (mg/kg)						mg/kg	mg/kg	mg/kg
PCBs	NA	NA	NA	NA	NA	NS (2)	NS (2)	NS (2)
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg	**Background Threshold Value mg/kg**
Arsenic	NA	NA	NA	NA	NA	3	0.677	0.584	8
Barium	NA	NA	NA	NA	NA	100,000	15,300	164.8	364
Chromium	NA	NA	NA	NA	NA	100,000	100,000	360,000	44
Lead	12	NA	13	NA	6.3	800	400	27	52
Selenium	NA	NA	NA	NA	NA	5,840	391	0.52	NA

Notes:
Table includes detected analytes only.
Italicized Type indicates a contaminant concentration above the groundwater protection RCL, which may result in exceedance of groundwater quality standards.
Bold Type indicates contaminant a concentration exceeding the industrial direct contact exposure RCL in the upper four feet of the subsurface, which may pose a risk to human health through direct contact exposure. The property is zoned M-2 Heavy Manufacturing.
(1) The groundwater protection RCL applies to combined trimethylbenzenes.
RCL = Residual Contaminant Level
VOCs = Volatile Organic Compounds
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
NA = Not Analyzed
NS = No Standard

Table 10 (Page 1 of 1)
Soil Analytical Results Table
Yutka Storage Site

Parameters	SAMPLE DATA				RESIDUAL CONTAMINANT LEVELS		
	MEC Site Investigation						
	HP-1 (4.5'-5')	HP-2 (4.5'-5')	HP-3 (4'-4.5')	HP-4 (5'-5.5')	NTE I DC	NTE NI DC	GWP
	12/22/17	12/22/17	12/22/17	12/22/17			
Saturation Depth (ft/bls)	6.75	6.5	6.0	6.0			
Saturated / Unsaturated	Unsat	Unsat	Unsat	Unsat			
Soil / Material Type	Clay	Clay	Clay	Clay			
PID FIELD SCREENING (ppm)	0	0	0	0			
PAHs (mg/kg)					mg/kg	mg/kg	mg/kg
Acenaphthene	0.0057	<0.0048	<0.0055	<0.0052	45,200	3,590	NS
Anthracene	0.0109	<0.0070	<0.0080	<0.0077	100,000	17,900	196.9492
Benzo(a)anthracene	0.0156	<0.0039	<0.0045	<0.0042	20.8	1.14	NS
Benzo(a)pyrene	0.0131	<0.0031	<0.0035	<0.0034	2.110	0.115	0.47
Benzo(b)fluoranthene	0.0170	<0.0035	<0.0040	<0.0038	21.1	1.15	0.4781
Benzo(g,h,i)perylene	0.0133	<0.0025	<0.0029	<0.0027	NS	NS	NS
Benzo(k)fluoranthene	0.0131	<0.0031	<0.0035	<0.0034	211	11.5	NS
Chrysene	0.0243	<0.0041	<0.0047	<0.0045	2,110	115	0.1442
Dibenz(a,h)anthracene	0.0035	<0.0027	<0.0031	<0.0030	2.11	0.115	NS
Fluoranthene	0.0272	<0.0064	<0.0073	<0.0070	30,100	2,390	88.8778
Fluorene	0.0200	<0.0051	<0.0058	<0.0055	30,100	2,390	14.8299
Indeno(1,2,3-cd)pyrene	0.0091	<0.0027	<0.0031	<0.0029	21.1	1.15	NS
1-Methylnaphthalene	0.0714	<0.0049	<0.0057	<0.0054	72.7	17.6	NS
2-Methylnaphthalene	0.119	0.0064	<0.0070	<0.0067	3,010	239	NS
Naphthalene	0.0539	<0.0103	<0.0118	<0.0113	24.1	5.52	0.6582
Phenanthrene	0.0617	<0.0143	<0.0164	<0.0156	NS	NS	NS
Pyrene	0.0286	<0.0055	<0.0063	<0.0060	22,600	1,790	54.5455
VOCs / PVOCs (mg/kg)					mg/kg	mg/kg	mg/kg
Benzene	<0.025	<0.025	<0.025	<0.025	7.07	1.6	0.0051
Ethylbenzene	<0.025	<0.025	<0.025	<0.025	35.4	8.02	1.57
Naphthalene	<0.040	<0.040	<0.040	<0.040	26	5.15	0.6582
Tetrachloroethene	*0.0441*	<0.025	<0.025	<0.025	145	33	0.0045
Toluene	<0.025	<0.025	<0.025	<0.025	818	818	1.1072
Trichloroethene	<0.025	<0.025	<0.025	<0.025	8.81	1.26	0.0036
GRO / DRO mg/kg							
GRO	NA	NA	NA	NA	NS	NS	NS
DRO	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only, which are right justified in the columns.
depth interval between 1 and 3 feet below land surface (bls).

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
NTE I DC - Not To Exceed Industrial Direct Contact
NTE NI DC - Not To Exceed Non-Industrial Direct Contact
GWP - Groundwater Protection
PAHs - Polynuclear Aromatic Hydrocarbons
VOCs / PVOCs - Volatile Organic Compounds / Petroleum Volatile Organic Compounds
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
NS - No Standard
NA - Not Analyzed

Table 11 (Page 2 of 2)
Yutka Storage Investigative Groundwater Sample Analytical Results Summary
66th Street Right-of-Way
MEC 2017 - 2018

Parameters					Groundwater Quality Standards	
	HP-1WR 1/19/18	HP-2WR 1/19/18	HP-3WR 1/19/18	HP-4WR 1/19/18	PAL	ES
VOCs / PVOCs (ug/l)					ug/l	ug/l
Benzene	<0.50	<0.50	<0.50	<0.50	0.5	5
Chloroethane	<0.37	<0.37	<0.37	0.85	80	400
Chloromethane	1.0	<0.50	1.6	1.5	3	30
cis-1,2-Dichloroethene	1.2	0.33	<0.26	<0.26	7	70
trans-1,2-Dichloroethene	0.31	<0.26	<0.26	<0.26	20	100
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	140	700
Isopropylbenzene (Cumene)	<0.14	<0.14	<0.14	<0.14	NS	NS
p-Isopropyltoluene	<0.50	<0.50	<0.50	<0.50	NS	NS
Methyl-tert-butyl-ether	<0.17	0.80	5.6	0.28	12	60
Naphthalene	<2.5	<2.5	<2.5	<2.5	10	100
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	NS	NS
Toluene	<0.50	<0.50	<0.50	<0.50	160	800
1,2,4-Trimethylbenzene	<2.2	<2.2	<2.2	<2.2	96 (1)	480 (1)
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	96 (1)	480 (1)
Trichloroethene	<0.33	<0.33	<0.33	<0.33	0.5	5
Vinyl Chloride	<0.18	<0.18	**4.2**	**0.60**	0.02	0.2
Xylenes	<1.5	<1.5	<1.5	<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.
VOCs - Volatile Organic Compounds
PVOCs - Petroleum Volatile Organic Compounds
PAL - NR 140 Preventive Action Limit
ES - NR 140 Enforcement Standard
NS - No Standard

Table 11 (Page 1 of 2)
Yutka Storage Investigative Groundwater Sample Analytical Results Summary
66th Street Right-of-Way
MEC 2017 - 2018

Parameters	Sample ID, Collection Date, Results				Groundwater Quality Standards	
	HP-1W 12/22/17	HP-2W 12/22/17	HP-3W 12/22/17	HP-4W 12/22/17	PAL	ES
VOCs / PVOCs (ug/l)					ug/l	ug/l
Benzene	<0.50	<0.50	<0.50	<0.50	0.5	5
Chloromethane	<0.50	<0.50	<0.50	<0.50	3	30
cis-1,2-Dichloroethene	1.2	<0.26	<0.26	<0.26	7	70
trans-1,2-Dichloroethene	0.49	<0.26	<0.26	<0.26	20	100
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	140	700
Isopropylbenzene (Cumene)	<0.14	<0.14	<0.14	<0.14	NS	NS
p-Isopropyltoluene	<0.50	<0.50	<0.50	<0.50	NS	NS
Methyl-tert-butyl-ether	<0.17	0.71	5.7	<0.17	12	60
Naphthalene	<2.5	<2.5	<2.5	<2.5	10	100
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	NS	NS
Toluene	<0.50	<0.50	<0.50	<0.50	160	800
1,2,4-Trimethylbenzene	<2.2	<2.2	<2.2	<2.2	96 (1)	480 (1)
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	96 (1)	480 (1)
Trichloroethene	<0.33	<0.33	<0.33	<0.33	0.5	5
Vinyl Chloride	<0.18	<0.18	**1.4**	<0.18	0.02	0.2
Xylenes	<1.5	<1.5	<1.5	<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.
VOCs - Volatile Organic Compounds
PVOCs - Petroleum Volatile Organic Compounds
PAL - NR 140 Preventive Action Limit
ES - NR 140 Enforcement Standard
NS - No Standard

Table 11 (Page 2 of 2)
Yutka Storage Investigative Groundwater Sample Analytical Results Summary
66th Street Right-of-Way
MEC 2017 - 2018

Parameters					Groundwater Quality Standards	
	HP-1WR 1/19/18	HP-2WR 1/19/18	HP-3WR 1/19/18	HP-4WR 1/19/18	PAL	ES
VOCs / PVOCs (ug/l)					ug/l	ug/l
Benzene	<0.50	<0.50	<0.50	<0.50	0.5	5
Chloroethane	<0.37	<0.37	<0.37	0.85	80	400
Chloromethane	1.0	<0.50	1.6	1.5	3	30
cis-1,2-Dichloroethene	1.2	0.33	<0.26	<0.26	7	70
trans-1,2-Dichloroethene	0.31	<0.26	<0.26	<0.26	20	100
Ethylbenzene	<0.50	<0.50	<0.50	<0.50	140	700
Isopropylbenzene (Cumene)	<0.14	<0.14	<0.14	<0.14	NS	NS
p-Isopropyltoluene	<0.50	<0.50	<0.50	<0.50	NS	NS
Methyl-tert-butyl-ether	<0.17	0.80	5.6	0.28	12	60
Naphthalene	<2.5	<2.5	<2.5	<2.5	10	100
n-Propylbenzene	<0.50	<0.50	<0.50	<0.50	NS	NS
Toluene	<0.50	<0.50	<0.50	<0.50	160	800
1,2,4-Trimethylbenzene	<2.2	<2.2	<2.2	<2.2	96 (1)	480 (1)
1,3,5-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	96 (1)	480 (1)
Trichloroethene	<0.33	<0.33	<0.33	<0.33	0.5	5
Vinyl Chloride	<0.18	<0.18	**4.2**	**0.60**	0.02	0.2
Xylenes	<1.5	<1.5	<1.5	<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.
VOCs - Volatile Organic Compounds
PVOCs - Petroleum Volatile Organic Compounds
PAL - NR 140 Preventive Action Limit
ES - NR 140 Enforcement Standard
NS - No Standard

APPENDIX A
WDNR Field Forms

SOIL BORING LOG INFORMATION

Page 1 of 2

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Heimes Garage		MW-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Steve Last Name: Firm: GESTRA Engineering	01/22/2020 (mm/dd/yyyy)	01/22/2020 (mm/dd/yyyy)	HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-1	Feet MSL	Feet MSL	3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
SW 1/4 of NW 1/4 of Section 1, T 1 N, R 22 E/W

Lat ° ' "
Long ° ' "

Local Grid Location ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W

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

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1–12	Blind Drilled to 12' bls, See log for boring DP-3										

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

MW-1

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	Silt, F. Sand, Gray, wet	ML/SP			3						
			14	EOB										

SOIL BORING LOG INFORMATION

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Heimes Garage		MW-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Steve Last Name: Firm: GESTRA Engineering	01/22/2020	01/22/2020	HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-2	Feet MSL	Feet MSL	3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
SW 1/4 of NW 1/4 of Section 1, T 1 N, R 22 E/W

Lat ° ' "
Long ° ' "

Local Grid Location ☐ N ☐ E
Feet ☐ S Feet ☐ W

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

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1–12	Blind drilled to 10' bls, See log for boring DP-4										
			10–11	Clay, Gray, mst	CL			0						
			12	Silt, F. Sand, Gray, wet EOB	ML/SP									

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

Page 1 of 2

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Heimes Garage		MW-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Steve Last Name: Firm: GESTRA Engineering	01/21/2020	01/21/2020	HSA

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-3	Feet MSL	Feet MSL	3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E S/C/N
SW 1/4 of NW 1/4 of Section 1, T 1 N, R 22 E/W

Lat ° ' "
Long ° ' "

Local Grid Location ☐ N ☐ E
Feet ☐ S Feet ☐ W

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

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1–12	Blind drilled to 12' bls. See log for boring DP-6										

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

MW-3

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	Silt, F. Sand, Gray, Wet	ML/SP			0						
			14	EOB										

SOIL BORING LOG INFORMATION

Page 1 of 2

Facility/Project Name: Heimes Garage	License/Permit/Monitoring Number:	Boring Number: MW-4	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Steve Last Name: Firm: GESTRA Engineering	Date Drilling Started: 01/21/2020	Date Drilling Completed: 01/21/2020	Drilling Method: HSA
WI Unique Well No.	DNR Well ID No.	Well Name: MW-4	Final Static Water Level: Feet MSL	Surface Elevation: Feet MSL	Borehole Diameter: 3 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane N, E S/C/N	Lat ° ' "	Local Grid Location: ☐ N ☐ E Feet ☐ S Feet ☐ W	
SW 1/4 of NW 1/4 of Section 1, T 1 N, R 22 E/W	Long ° ' "		
Facility ID	County: Kenosha	County Code	Civil Town/City/or 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1–12	Blind drilled to 12' bls See log for boring DP-7										

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

MW-4

Sample									Soil Properties						
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	F. Sand, Silt, Gray, wet	SP/SM			0						
			14	EOB										

SOIL BORING LOG INFORMATION

Page 1 of 2

Facility/Project Name: Heimes Garage	License/Permit/Monitoring Number: _____	Boring Number: MW-5	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Steve Last Name: — Firm: GESTRA Engineering	Date Drilling Started: 01/21/2020	Date Drilling Completed: 01/21/2020	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: 3 inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E S/C/N	Lat ° ' "	Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W
SW 1/4 of NW 1/4 of Section 1, T 1 N, R 22 E/W			
Facility ID	County: Kenosha	County Code: _____	Civil Town/City/or 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1–3	Clay w/silt, Brn, ms	CL/ML			0						
			6–7	F. Sand w/silt, Gray, Mst	SP/SM			0						
			10–11	No Recovery										

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

MW-5

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13											
			14	EOB										

SOIL BORING LOG INFORMATION

Page 1 of 2

Facility/Project Name: Heimes Garage	License/Permit/Monitoring Number: _____	Boring Number: MW-6
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Steve Last Name: — Firm: GESTRA Engineering	Date Drilling Started: 03/26/2020 (mm/dd/yyyy)	Date Drilling Completed: 03/26/2020 (mm/dd/yyyy) — Drilling Method: HSA
WI Unique Well No.: _____ — DNR Well ID No.: _____ — Well Name: MW-6	Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL — Borehole Diameter: 3 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E S/C/N — SW 1/4 of NW 1/4 of Section 1, T 1 N, R 22 E/W	Lat ° ' " — Long ° ' "	Local Grid Location: ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W
Facility ID: _____ — County: Kenosha	County Code: _____	Civil Town/City/or Village: Kenosha

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1–4	Sand and gravel, Fndry Sand, DK Brn/Blk Dmp	Fill			2						
			5–6	4" Recov. Clay DK Brn/Blk SFt, Mst, Buried TopSoil	Cl			1						
			7–8	Silt, Brn, SFt, wet	ml			0						
			9–10	F. Sand, Gray, Sat	SP			0						
			11–12	As above				0						

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

MW-6

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	As above	SP			0						
			14	EOB										

SOIL BORING LOG INFORMATION

Page 1 of 2

Facility/Project Name: Heimes Garage	License/Permit/Monitoring Number:	Boring Number: MW-7
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Steve Last Name: Firm: GESTRA Engineering	Date Drilling Started: 03/26/2020	Date Drilling Completed: 03/26/2020
		Drilling Method: HSA
WI Unique Well No.	DNR Well ID No.	Well Name: MW-7
	Final Static Water Level: Feet MSL	Surface Elevation: Feet MSL
		Borehole Diameter: 3 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane N, E S/C/N	Lat ° ' "	Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W
SW 1/4 of NW 1/4 of Section 1, T 1 N, R 22 E/W	Long ° ' "	
Facility ID	County: Kenosha	County Code: Civil Town/City/or 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1–3	Clay Blk, SFt, Dmp Top Soil	CL			0						
			4–6	As above, Brn	CL			0						
			7–9	F. Sand, Gray, wet	SP			0						
			10–11	Silt, V.F. Sand, Gray wet	ML			4						
			12	F. Sand, Gray, wet	SP			0						

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

MW-7

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	As above	SP			0						
			14	EOB										

SOIL BORING LOG INFORMATION

Page 1 of 2

Facility/Project Name: Heimes Garage	License/Permit/Monitoring Number:	Boring Number: MW-8	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Steve Last Name: Firm: GESTRA Engineering	Date Drilling Started: 03/26/2020	Date Drilling Completed: 03/26/2020	Drilling Method: HSA
WI Unique Well No.	DNR Well ID No.	Well Name: MW-8	Final Static Water Level: ____ Feet MSL
Surface Elevation: ____ Feet MSL	Borehole Diameter: 3 inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane ____ N, ____ E S/C/N	Lat ° ' "	Local Grid Location: ☐ N ☐ E ____ Feet ☐ S ____ Feet ☐ W	
SW 1/4 of NW 1/4 of Section 1, T 1 N, R 22 E/W	Long ° ' "		
Facility ID	County: Kenosha	County Code	Civil Town/City/or 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1–3	F. Sand DK Brn, Dmp Fill	SP			0						
			4–6	clay Brn/Gray mottled, S.F.t, mst, Fill	CL			0						
			7–9	F. Sand, Gray, wet	SP			0						
			10–11	Silt, Gray, wet	ML			0						
			12	VF Sand, Gray, wet	SP			0						

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

MW-8

Sample: Number and Type	Sample: Length Att. & Recovered (in.)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	As above	SP			0						
			14	EOB										

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Heimes Garage	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ 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: 01 22 2020 (m m d d y y y y)
Type of Well — Well Code ____ / ____	Section Location of Waste/Source: SW 1/4 of NW 1/4 of Sec. 1, T. 1 N, R. 22 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Steve / GESTRA Eng
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation ____ 3 ft. MSL
B. Well casing, top elevation ____ 2.5 ft. MSL
C. Land surface elevation ____ 0 ft. MSL
D. Surface seal, bottom ____ 1 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

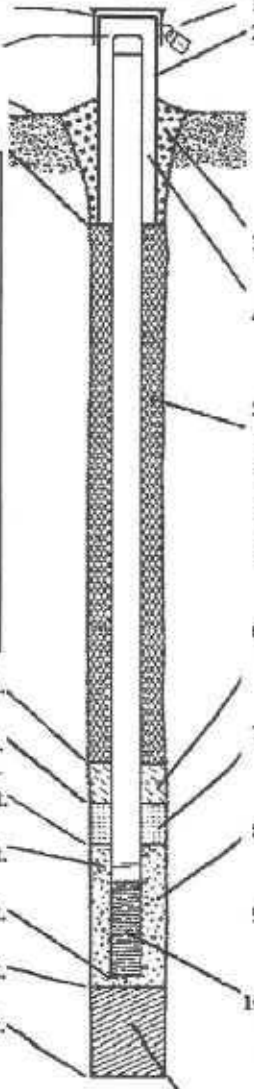
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ ____

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):

E. Bentonite seal, top ____ ft. MSL or ____ 1 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top ____ ft. MSL or ____ 1.5 ft.
H. Screen joint, top ____ ft. MSL or ____ 2 ft.
I. Well bottom ____ ft. MSL or ____ 12 ft.
J. Filter pack, bottom ____ ft. MSL or ____ 14 ft.
K. Borehole, bottom ____ ft. MSL or ____ 14 ft.
L. Borehole, diameter ____ 8 in.
M. O.D. well casing ____ 2 in.
N. I.D. well casing ____ 1.8 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: ____ 5 in.
b. Length: ____ 5 ft.
c. Material: Steel ☒ 04 / Other ☐ ____
d. Additional protection? ☒ Yes ☐ No
If yes, describe: One bollard
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. ____ Ft^3 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. ____
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Flint Sand
b. Volume added ____ ft^3
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: 0.01 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 / Other ☐ ____

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

Signature: Sean Lumley | Firm: Midwest Environmental 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.

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Holmes Garage	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-2
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ 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: 01/22/2020 (m m d d y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: SW 1/4 of NW 1/4 of Sec. 1, T. 1 N, R. 22 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Steve GESTRA Eng.
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation 3.5 ft. MSL
B. Well casing, top elevation 3.1 ft. MSL
C. Land surface elevation 0 ft. MSL
D. Surface seal, bottom 1 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):
_____

E. Bentonite seal, top _____ ft. MSL or 1 ft.
F. Fine sand, top _____ ft. MSL or _____ ft.
G. Filter pack, top _____ ft. MSL or 1.5 ft.
H. Screen joint, top _____ ft. MSL or 2 ft.
I. Well bottom _____ ft. MSL or 12 ft.
J. Filter pack, bottom _____ ft. MSL or 12 ft.
K. Borehole, bottom _____ ft. MSL or 12 ft.
L. Borehole, diameter 8 in.
M. O.D. well casing 2 in.
N. I.D. well casing 1.8 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 5 in.
b. Length: 5 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. _____ Ft^3 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. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Flint Sand
b. Volume added _____ ft^3
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: 0.01 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ ___ _____

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

Signature: Glenn Cunley Firm: Midwest Environmental 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.

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Heimes Garage	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-3
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ 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: 01/21/2020 (m m d d y y y y)
Type of Well: Well Code 1	Section Location of Waste/Source: SW 1/4 of NW 1/4 of Sec. 1, T. 1 N, R. 22 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Steve GESTRA Eng
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation 2.5 ft. MSL
B. Well casing, top elevation 2.8 ft. MSL
C. Land surface elevation 0 ft. MSL
D. Surface seal, bottom 1 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): _____

E. Bentonite seal, top _____ ft. MSL or 1 ft.
F. Fine sand, top _____ ft. MSL or _____ ft.
G. Filter pack, top _____ ft. MSL or 3 ft.
H. Screen joint, top _____ ft. MSL or 4 ft.
I. Well bottom _____ ft. MSL or 14 ft.
J. Filter pack, bottom _____ ft. MSL or 14 ft.
K. Borehole, bottom _____ ft. MSL or 14 ft.
L. Borehole, diameter 8 in.
M. O.D. well casing 2 in.
N. I.D. well casing 1.8 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 5 in.
b. Length: 5 ft.
c. Material: Steel ☒ 04 / Other ☐ _____
d. Additional protection? ☒ Yes ☐ No
If yes, describe: One bollard
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. _____ Ft^3 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. _____
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Flint Sand
b. Volume added _____ ft^3
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: 0.01 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 / Other ☐ _____

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

Signature: Steve Gestra | Firm: Midwest Environmental 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.

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name	Local Grid Location of Well ☐ ft. ☐N ☐S ☐ ft. ☐E ☐W	Well Name MW-4
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ 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 06/21/2020 (m m d d y y y y)
Type of Well Well Code /	Section Location of Waste/Source SW 1/4 of NW 1/4 of Sec. 1, T. 1 N, R. 22 ☐E ☐W	Well Installed By: Name (first, last) and Firm Steve GESTRA Eng
Distance from Waste/Source ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation 3.5 ft. MSL
B. Well casing, top elevation 3.1 ft. MSL
C. Land surface elevation 0 ft. MSL
D. Surface seal, bottom 1 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

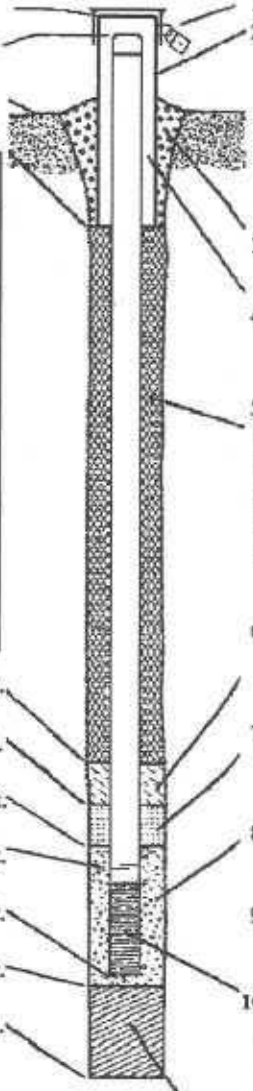
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐

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):

E. Bentonite seal, top ____ ft. MSL or 1 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top ____ ft. MSL or 3 ft.
H. Screen joint, top ____ ft. MSL or 4 ft.
I. Well bottom ____ ft. MSL or 14 ft.
J. Filter pack, bottom ____ ft. MSL or 14 ft.
K. Borehole, bottom ____ ft. MSL or 14 ft.
L. Borehole, diameter 8 in.
M. O.D. well casing 2 in.
N. I.D. well casing 1.8 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 5 in.
b. Length: 5 ft.
c. Material: Steel ☒ 04 Other ☐
d. Additional protection? ☒ Yes ☐ No
If yes, describe: Two Bollards
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. ____ Ft^3 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. ____
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Flint Sand
b. Volume added ____ ft^3
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: 0.01 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐

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

Signature: Sean Lumley Firm: Midwest Environmental 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.

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name	Local Grid Location of Well ☐ ft. ☐ N. ☐ S. ☐ ft. ☐ E. ☐ W.	Well Name MW-5
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ 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 01/22/2020 (m m d d y y y y)
Type of Well Well Code /	Section Location of Waste/Source SW 1/4 of NW 1/4 of Sec. 1, T. 1 N, R. 22 ☐ E ☐ W	Well Installed By: Name (first, last) and Firm Steve GESTRA Eng
Distance from Waste/Source ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation 3 ft. MSL
B. Well casing, top elevation 2.2 ft. MSL
C. Land surface elevation 0 ft. MSL
D. Surface seal, bottom 1 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

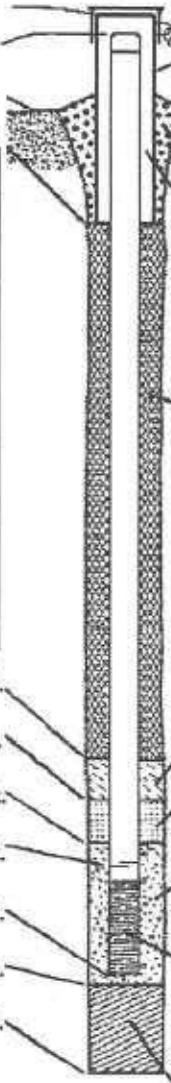
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐

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):

E. Bentonite seal, top ____ ft. MSL or 1 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top ____ ft. MSL or 3 ft.
H. Screen joint, top ____ ft. MSL or 4 ft.
I. Well bottom ____ ft. MSL or 14 ft.
J. Filter pack, bottom ____ ft. MSL or 14 ft.
K. Borehole, bottom ____ ft. MSL or 14 ft.
L. Borehole, diameter 8 in.
M. O.D. well casing 2 in.
N. I.D. well casing 1.8 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 5 in.
b. Length: 5 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. ____ Ft^3 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. ____
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Flint Sand
b. Volume added ____ ft^3
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: 0.01 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 / Other ☐

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

Signature [signature] Firm Midwest Environmental 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.

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Heimes Garage
Facility License, Permit or Monitoring No.:
Facility ID:
Type of Well — Well Code: 1
Distance from Waste/Source: ____ ft. | Enf. Stds. Apply ☐

Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐
Lat. ____ ° ____ ' ____ " Long. ____ ° ____ ' ____ " or
St. Plane ____ ft. N. ____ ft. E. S/C/N
Section Location of Waste/Source: SW 1/4 of NW 1/4 of Sec. 1, T. 1 N, R. 22 ☒E ☐W
Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known
Gov. Lot Number:

Well Name: MW-6
Wis. Unique Well No.: ____ DNR Well ID No.: ____
Date Well Installed: 03/26/2020 (m m d d y y y y)
Well Installed By: Name (first, last) and Firm: Steve GESTRA

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

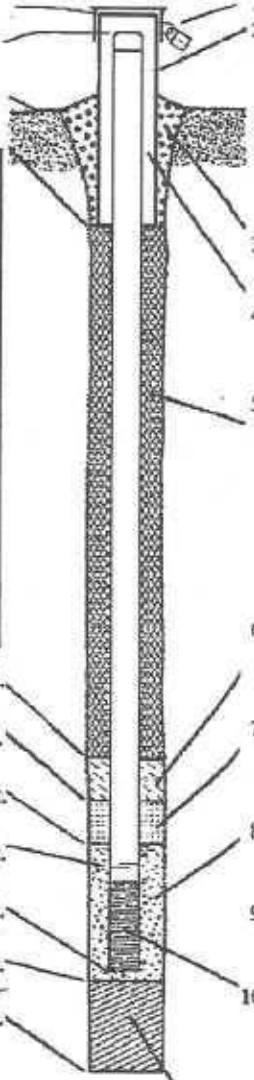
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐ ____

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): ____

E. Bentonite seal, top ____ ft. MSL or 0 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top ____ ft. MSL or 1 ft.
H. Screen joint, top ____ ft. MSL or 2 ft.
I. Well bottom ____ ft. MSL or 12 ft.
J. Filter pack, bottom ____ ft. MSL or 12 ft.
K. Borehole, bottom ____ ft. MSL or 13.5 ft.
L. Borehole, diameter 8 in.
M. O.D. well casing 2 in.
N. I.D. well casing 1.8 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 5 in.
b. Length: 5 ft.
c. Material: Steel ☒ 04 Other ☐ ____
d. Additional protection? ☒ Yes ☐ No
If yes, describe: Two bollards
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. ____ Ft^3 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. ____
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Flint Sand
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ____
10. Screen material: ____
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ____
b. Manufacturer ____
c. Slot size: 0.01 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ ____

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

Signature: Adam Tinsley
Firm: Midwest Environmental 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.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Heimes Garage	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-7
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ 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: 03/26/2020 (m m d d y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: SW 1/4 of NW 1/4 of Sec. 1, T. 1 N, R. 22 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Steve GESTRA
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ 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):
_____

E. Bentonite seal, top _____ ft. MSL or ____0____ ft.

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

G. Filter pack, top _____ ft. MSL or ____1____ ft.

H. Screen joint, top _____ ft. MSL or ____2____ ft.

I. Well bottom _____ ft. MSL or ____12____ ft.

J. Filter pack, bottom _____ ft. MSL or ____12____ ft.

K. Borehole, bottom _____ ft. MSL or ____13.5____ ft.

L. Borehole, diameter ____6____ in.

M. O.D. well casing ____2____ in.

N. I.D. well casing ____1.8____ in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: ____5____ in.
b. Length: ____5____ 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. _____ Ft^3 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. _____
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Flint Sand
b. Volume added _____ ft^3

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

10. Screen material: _____
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ____
b. Manufacturer _____
c. Slot size: 0.01 in.
d. Slotted length: 10 ft.

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

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

Signature: Shawn Tinsley | Firm: Midwest Environmental 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.

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Heimes Garage	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-8
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ 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: 03/26/2020 (m m d d y y y y)
Type of Well: Well Code ____ / ____	Section Location of Waste/Source: SW 1/4 of NW 1/4 of Sec. 1 T. 1 N, R. 22 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Steve GESTRA
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ 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

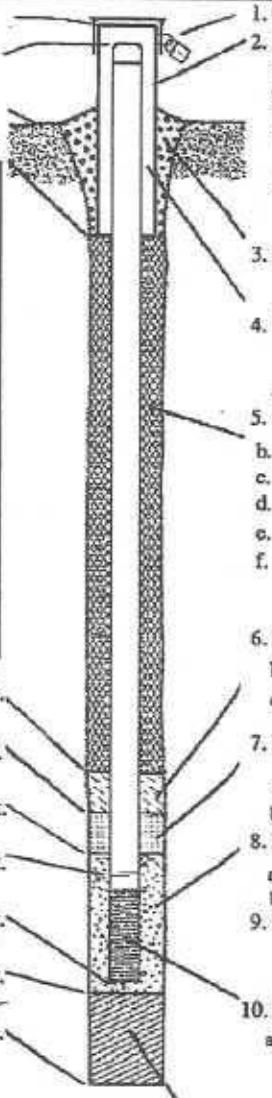
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐ ____

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): ____

E. Bentonite seal, top ____ ft. MSL or 0 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top ____ ft. MSL or 1 ft.
H. Screen joint, top ____ ft. MSL or 2 ft.
I. Well bottom ____ ft. MSL or 12 ft.
J. Filter pack, bottom ____ ft. MSL or 12 ft.
K. Borehole, bottom ____ ft. MSL or 13.5 ft.
L. Borehole, diameter 8 in.
M. O.D. well casing 2 in.
N. I.D. well casing 1.8 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6 in.
b. Length: 1 ft.
c. Material: Aluminum — 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. ____ Ft^3 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. ____
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Flint Sand
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ____
10. Screen material: ____
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ____
b. Manufacturer ____
c. Slot size: 0.01 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ ____

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

Signature: Shawn Tuley — Firm: Midwest Environmental 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.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Holmes Garage	Kenosha	MW-1

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 casisng) 14.6 ft.

5. Inside diameter of well 1.8 in.

6. Volume of water in filter pack and well casing 5.9 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)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 6.80 ft.	7.62 ft.
Date	b. 01/22/2020	01/22/2020
Time	c. 11:00 ☒ a.m. ☐ p.m.	11:30 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

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: Mike Last Name: Zackey
Facility/Firm: Talman Ventures, LLC
Street: 4515 Washington Rd.
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.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Heimes Garage	Kenosha	MW-2

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 __10 min.

4. Depth of well (from top of well casisng) __15.7 ft.

5. Inside diameter of well __1.8__ in.

6. Volume of water in filter pack and well casing __5.8 gal.

7. Volume of water removed from well __8.0 gal.

8. Volume of water added (if any) __0.0 gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __8.07 ft.	DRY. __ ft.
Date	b. 01,22,2020 (m m d d y y y y)	01,22,2020 (m m d d y y y y)
Time	c. 11:40 ☒ a.m. ☐ p.m.	11:50 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	_0.0 inches	_0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 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: Crawley
Firm: Midwest Environamental Consulting

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Zacker
Facility/Firm: Talman Ventures
Street: 4515 Washington Rd.
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 Crawley
Print Name: Sean Crawley
Firm: Midwest Env. Consulting

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☑ Other ☐ _____

Facility/Project Name	County Name	Well Name
Heimes Garage	Kenosha	MW-3

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 casisng) __17.6 ft.

5. Inside diameter of well __1.8 in.

6. Volume of water in filter pack and well casing __7.9 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? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __5.85 ft.	DRY. __ ft.
Date	b. 01,22,2020 (m m d d y y y y)	01,22,2020 (m m d d y y y y)
Time	c. 8:30 ☑ a.m. ☐ p.m.	8:45 ☑ a.m. ☐ p.m.
12. Sediment in well bottom	__0.0 inches	__0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15 (Describe)	Clear ☑ 20 Turbid ☐ 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: Crawley
Firm: Midwest Environmental Consulting

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Zackery
Facility/Firm: Talman Ventures LLC
Street: 4515 Washington Rd.
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 Crawley
Print Name: Sean Crawley
Firm: Midwest Env. Consulting

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Heimes Garage	Kenosha	MW-4

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 45 min.

4. Depth of well (from top of well casisng) 17.9 ft.

5. Inside diameter of well 1.8 in.

6. Volume of water in filter pack and well casing 7.9 gal.

7. Volume of water removed from well 25.0 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	5.90 ft.	8.23 ft.
Date b. (m m d d y y y y)	01/22/2020	01/22/2020
Time c.	9:32 ☒ a.m. ☐ p.m.	10:15 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

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

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Zacker
Facility/Firm: Talman Ventures
Street: 4515 Washington Rd
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 Crowley
Print Name: Sean Crowley
Firm: Midwest Env. Consulting

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☑ Other ☐ _____

Facility/Project Name	County Name	Well Name
Heimes Garage	Kenosha	MW-5

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 casisng) _17.5 ft.

5. Inside diameter of well _1.8 in.

6. Volume of water in filter pack and well casing __7.9 gal.

7. Volume of water removed from well _15.0 gal.

8. Volume of water added (if any) __0.0 gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __5.46 ft.	DRY. __ ft.
Date	b. 01/22/2020 (mm dd yyyy)	10/22/2020 (mm dd yyyy)
Time	c. 10:32 ☑ a.m. ☐ p.m.	10:45 ☑ a.m. ☐ p.m.
12. Sediment in well bottom	__0.0 inches	__0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15 (Describe)	Clear ☑ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

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: Mike Last Name: Zacker
Facility/Firm: Talmon Ventures, LLC
Street: 4515 Washington Rd.
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.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Heimes Garage	Kenosha	MW-6
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 45 min.

4. Depth of well (from top of well casisng) 14.9 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 7.1 gal.

7. Volume of water removed from well 36.0 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 5.56 ft.	5.83 ft.
Date	b. 03/21/2020 (m m d d y y y y)	03/31/2020
Time	c. 11:00 ☑ a.m. ☐ p.m.	11:45 ☑ a.m. ☐ p.m.
12. Sediment in well bottom	00.0 inches	00.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15 (Describe)	Clear ☑ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

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

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Zacker
Facility/Firm: Talman Ventures, LLC
Street: 4515 Washington Rd.
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.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Heines Garage	Kenosha	MW-7
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 40 min.

4. Depth of well (from top of well casisng) 15.3 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 7.5 gal.

7. Volume of water removed from well 30.0 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	5.40 ft.	5.73 ft.
Date b. (m m d d y y y y)	03/21/2020	03/31/2020
Time c.	12:00 ☐ a.m. ☑ p.m.	12:40 ☐ a.m. ☑ p.m.
12. Sediment in well bottom	00.0 inches	00.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☑ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

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

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Zacker
Facility/Firm: Talman Ventures, LLC
Street: 4515 Washington Rd.
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.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Heimes Garage	Kenosha	MW-8
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 — — — 5 min.

4. Depth of well (from top of well casisng) — — 11.8 ft.

5. Inside diameter of well — 2.00 in.

6. Volume of water in filter pack and well casing — — 5.9 gal.

7. Volume of water removed from well — — 7.0 gal.

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

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. — — 4.05 ft.	— — DRY ft.
Date	b. 03/21/2020 (m m d d y y y y)	03/31/2020 (m m d d y y y y)
Time	c. 13:00 ☐ a.m. ☒ p.m.	13:05 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	00.0 inches	00.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)
14. Total suspended solids	— — — — . — mg/l	— — — — . — mg/l
15. COD	— — — — . — mg/l	— — — — . — mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

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

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mike Last Name: Zacker
Facility/Firm: Talman Ventures, LLC
Street: 4515 Washington Rd.
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.

SOIL BORING LOG INFORMATION

Page 1 of 1

Facility/Project Name: Yutka Storage	License/Permit/Monitoring Number:	Boring Number: HP-1

Boring Drilled By: Name of crew chief (first, last) and Firm: First Name: Matt Last Name: Baake; Firm: Baake Field Services	Date Drilling Started: 12/22/2017	Date Drilling Completed: 12/22/2017	Drilling Method: Direct Push
WI Unique Well No.:	DNR Well ID No.:	Well Name:	Final Static Water Level: Feet MSL
Surface Elevation: Feet MSL	Borehole Diameter: 3 inches		

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

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

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Refer ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Gravel Pavement	Fill									
			2	Clay w/ Gravel, DkBrn Mst	Fill			0						
			3	Gravel, Sand, Brn, Dmp	Fill									
			4	Clay w/ Gravel, Sand, Wood Frags, Blk, Mst, Topsoil	Cl									
			5	As above	Cl/SP									
			6	F. Sand, Brn, Wet	SP									
			7	Silt, F. Sand, Gry, Wet	Mi/SP			0						
			8											
			9											
			10	EOB										

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

Signature: Sean Gramley Firm: Midwest Environmental Consulting

SOIL BORING LOG INFORMATION

Page 1 of 1

Facility/Project Name: Yutka Storage	License/Permit/Monitoring Number:	Boring Number: HP-2	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Matt Last Name: Baake; Firm: Baake Field Services	Date Drilling Started: 12/22/2017	Date Drilling Completed: 12/22/2017	Drilling Method: Direct Push
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: ____ Feet MSL	Surface Elevation: ____ Feet MSL	Borehole Diameter: 3 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane ____ N. ____ E S/C/N	Lat ° ' "	Local Grid Location: ☐ N ____ Feet ☐ S ☐ E ____ Feet ☐ W	
SE 1/4 of NW 1/4 of Section 1, T 1 N, R 22 E/W	Long ° ' "		
Facility ID	County: Kenosha	County Code	Civil Town/City/or 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Gravel Pavement	Fill									
			2	M. Sand Brn	Fill									
			3	Clay w/sand, Brn to Dk Brn, Sft, mst	Fill			0						
			4											
			5	As above.										
			6	F. Sand, Brn, sat	SP									
			7					0						
			8	Silt, Gry, wet	ML									
			9											
			10	EOB										

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

Page 1 of 1

Facility/Project Name: Yutka Storage	License/Permit/Monitoring Number:	Boring Number: HP-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Matt Last Name: Baake Firm: Baake Field Services	12,22,2017	12,22,2017	Direct Push

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____ N, _____ E S/C/N | Lat ° ' " Long ° ' " | Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

SE 1/4 of NW 1/4 of Section 1, T 1 N, R 22 (E)W

Facility ID	County	County Code	Civil Town/City/or Village
	Kenosha		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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Gravel Pavement	Fill									
			2	Clay w/ Gravel, Sand Blk, Fndry Sand	Fill			0						
			3	Clay, Blk, Top Soil	Cl									
			4											
			5	Silt w/ F. Sand Gry, Dmp	ml									
			6	As above, wet										
			7					0						
			8											
			9											
			10	EOB										

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

Page 1 of 1

Facility/Project Name: Yutka Storage	License/Permit/Monitoring Number:	Boring Number: HP-4	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Matt Last Name: Baake — Firm: Baake Field Services	Date Drilling Started: 11/17/2009	Date Drilling Completed: 11/17/2009	Drilling Method: Direct Push
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: ____ Feet MSL	Surface Elevation: ____ Feet MSL	Borehole Diameter: 3 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane ____ N, ____ E S/C/N	Lat ____ ° ' " — Long ____ ° ' "	Local Grid Location: ____ Feet ☐ N ☐ S ____ Feet ☐ E ☐ W	
SE 1/4 of NW 1/4 of Section 1, T 1 N, R 22 ☐E ☒W			
Facility ID	County: Kenosha	County Code	Civil Town/City/or 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Gravel Pavement	Fill									
			2	Clay w/ sand, Gravel Blk, Dmp, Fndry Sand	Fill			0						
			4	Clay w/ Silt Blk/Grn Top Soil / As above.	CL/ ML									
			6	F, Sand grading to Silt, Gry, Wet	SP/ ML			0						
			8											
			10	EOB										

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

LOG OF TEST BORING

Project Industrial Pumping, Inc

Location 3502 66th Street, Kenosha, WI

Soil Testing Firm Wisconsin Testing Laboratories, Menomonee Falls, WI

Boring No. B-11

Surface Elevation

Project No 3000

Sheet 1 of 1

SAMPLE						VISUAL CLASSIFICATION AND REMARKS	SOIL PROPERTIES				
RECOVERY			MOISTURE				HNU (ppm.)	TRPH (ppb)	GRO (ppm.)	DRO (ppm.)	LEAD (ppm.)
No	Type	↓	↓	N	Depth						
1	SS	9"	M	9	2.5	FILL-mixture of sand, gravel and silt, black, moist, organics noted	BK				
2	SS	12"	M	5	5.0	4.0' SILTY CLAY(CL)-medium ,brown, moist	BK				
3	SS	9"	M	5	7.5	6.5' SILTY CLAY(CL)-medium, grey, moist, fine grained sand noted	BK				
4	SS	12"	M	17	10.0	8.0' SILTY SAND(SM)-medium dense, grey, moist, medium to coarse grained sand 10.0'	4		–	0.75	–
						End of boring @ 10.0'					

WATER LEVEL OBSERVATIONS

While Drilling Dry upon completion

Depth to Water

GENERAL NOTES

Start 10/29/92 Complete 10/29/92

Crew Chief Kevin Rig CME-55

Drilling Method 3 1/4 HSA, ASTM, D1452 &D1586

K. SINGH & ASSOCIATES, INC.

LOG OF TEST BORING

Project Industrial Pumping, Inc.

Location 3502 S. 66th Street, Kenosha, WI

Soil Testing Firm Moraine Stellar , Inc.

Boring No. B-13

Surface Elevation 632.21'

Project No 3000

Sheet 1 of 1

SAMPLE						VISUAL CLASSIFICATION AND REMARKS	SOIL PROPERTIES			
RECOVERY			MOISTURE				HNU	BETX	TPH (GRO)	Lead
No	Type			N	Depth		(ppm)	(ppm)	(ppm)	(ppm)
1	SS	20"	D	6	2.5	Fill- Mixture of sand, silt, and gravel, black	BK			
2	SS	6"	M	4	5.0	4.0'	BK			
3	SS	6"	M	3	7.5	SILTY CLAY (CL) -loose, dark brown, trace sand-some 1/4" diam. pieces of material (probably foundry slag) noted	BK			
4	SS	12"	W	11	10.0	9.0'	BK	4.59	21	8
5	SS	20"	W	11	12.5	SILTY SAND (SM) - Medium dense, light brown, fine to coase grained	BK			
6	SS	20"	W	15	15.0		BK			
						E.O.B. 15.0'				
						Borehole abandoned in accordance with NR 141				

WATER LEVEL OBSERVATIONS

While Drilling 9.0

Depth to Water

GENERAL NOTES

Start 7/22/94 Complete 7/22/94

Crew Chief Steve Azarian Rig SIMCO

Drilling Method HSA, ASTM, D1452 & D1586

K. SINGH & ASSOCIATES, INC.

LOG OF TEST BORING

Project Industrial Pumping

Location 3502 66th Street, Kenosha, WI

Soil Testing Firm Moraine Stellar, Inc.

Boring No. B-14/ MW -7

Surface Elevation 632.18'

Project No 3000

Sheet 1 of 1

SAMPLE						VISUAL CLASSIFICATION AND REMARKS	SOIL PROPERTIES			
RECOVERY			MOISTURE				HNU	BETX	TPH (GRO)	Lead
No	Type			N	Depth		(ppm)	(ppm)	(ppm)	(ppm)
1	SS	16"	D	8	2.5	FILL- Sand,coarse grained top 4" sand and gravel	BK			
2	SS	6"	D	6	5.0	5.0'	BK			
3	SS		M	4	7.5	SILTY SAND (SM) - Very loose, yellowish brown, Petroleum odor noted	15	3.3	80	7.6
4	SS		W	10	10.0	9.0'	BK	5.4	120	7
5	SS		W	9	12.5	SAND (SP) - Loose to medium dense, Brown, medium to coarse grained.	BK			
6	SS		W	9	15.0		BK			
						E.O.B. 15.0'				

WATER LEVEL OBSERVATIONS

While Drilling 9.0'

Depth to Water

GENERAL NOTES

Start 7/22/94 Complete 7/22/94

Crew Chief Steve Azarian Rig SIMCO

Drilling Method HSA, ASTM, D1452 & D1586

K. SINGH & ASSOCIATES, INC.

LOG OF TEST BORING

Project Industrial Pumping

Location 3502 S. 66th Street, Kenosha ,WI

Soil Testing Firm Moraine Stellar

Boring No. B-18

Surface Elevation

Project No 3000

Sheet 1 of 1

SAMPLE						VISUAL CLASSIFICATION AND REMARKS	SOIL PROPERTIES			
RECOVERY			MOISTURE				HNU	BETX	TPH (GRO)	Lead
No	Type	↓	↓	N	Depth		(ppm)	(ppm)	(ppm)	(ppm)
1	SS	16"	D		2.5	FILL- Mixture of sand, silt, gravel, black.	BK			
						2.0'				
2	SS	6"	M		5.0	SILTY CLAY (CL) - Very loose, brown, trace sand.	BK			
						6.0'				
3	SS	10"	M		7.5	SILTY SAND (SM) -Loose, Brown, trace gravel.	BK			
4	SS		M		10.0		BK	0.44	5.7	7.6

WATER LEVEL OBSERVATIONS

While Drilling 8.5'

Depth to Water

GENERAL NOTES

Start 7/25/94 Complete 7/25/94

Crew Chief Steve Azarian Rig Simco

Drilling Method HSA, ASTM, D1452 & D1586

K. SINGH & ASSOCIATES, INC.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name

Facility License, Permit or Monitoring Number

Grid Location ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.

Well Name MW-7

Wis. Unique Well Number | DNR Well Number

Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12

Section Location: SW 1/4 of N 1/4 of Section 1, T 1 N, R 2 ☒ E ☐ W

Date Well Installed 07/22/94

Distance Well Is From Waste/Source Boundary ____ ft.

Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known

Well Installed By: (Person's Name and Firm) Mark Peters, K. Singh & Assoc.

Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No

A. Protective pipe, top elevation 2___.__ ft. MSL

B. Well casing, top elevation 2___.__ ft. MSL

C. Land surface elevation 2___.2 ft. MSL

D. Surface seal, bottom ____.__ ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ 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): ____

E. Bentonite seal, top ____.__ ft. MSL or 2.0 ft.

F. Fine sand, top ____.__ ft. MSL or 3.5 ft.

G. Filter pack, top ____.__ ft. MSL or 4.0 ft.

H. Well screen, top ____.__ ft. MSL or 5.0 ft.

I. Well screen, bottom ____.__ ft. MSL or 15.0 ft.

J. Filter pack, bottom ____.__ ft. MSL or 15.2 ft.

K. Borehole, bottom ____.__ ft. MSL or 15.2 ft.

L. Borehole, diameter ____ in.

M. O.D. well casing ____ in.

N. I.D. well casing ____ in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: ____ in.
b. Length: 1.2 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; Annular space seal ☐; Other ☐ ____

5. Annular space seal: Granular Bentonite ☐ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
____ % Bentonite .... Bentonite-cement grout ☐ 50
____ Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08

6. Bentonite seal: Bentonite granules ☒ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
____ Other ☐ ____

7. Fine sand material: Manufacturer, product name and mesh size ____
Volume added ____ ft^3

8. Filter pack material: Manufacturer, product name and mesh size ____
Volume added ____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____

10. Screen material: ____
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
Manufacturer ____
Slot size: 0.___ in.
Slotted length: ___.__ ft.

11. Backfill material (below filter pack): None ☒; Other ☐ ____

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

Signature Mark E Peters | Firm K. Singh & Assoc., Inc.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B 8-89

Facility/Project Name

Well Name MW-1

License, Permit or Monitoring Number

Wis. Unique Well Number

DNR Well Number

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☒	4 1
surged with bailer and pumped	☐	6 1
surged with block and bailed	☐	4 2
surged with block and pumped	☐	6 2
surged with block, bailed and pumped	☐	7 0
compressed air	☐	2 0
bailed only	☐	1 0
pumped only	☐	5 1
pumped slowly	☐	5 0
Other _____	☐	

3. Time spent developing well ____ min.

4. Depth of well (from top of well casisng) 14.6 ft.

5. Inside diameter of well ____ in.

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

7. Volume of water removed from well 26.2 gal.

8. Volume of water added (if any) 500.0 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)	4.49 ft.	6.6 ft.
Date	07/16/99 (m m d d y y)	07/26/99 (m m d d y y)
Time	12:05 ☐ a.m. ☒ p.m.	1:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	1. inches	____ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 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

Additional comments on development:

Well developed by: Person's Name and Firm

Name: Matt Kent

Firm: [illegible]

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

Signature: _____

Firm: [illegible]

NOTE: Shaded areas are for DNR use only. See instructions for more information.

APPENDIX B
Waste Disposal Manifests

COVANTA
Environmental Solutions

SO 106 015

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	1	800-842-9792	CES 141919

SHIPPER

5. Shipper's Name and Mailing Address
Heimes Garage
3418 66th St
Kenosha WI 53142
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Sean Cranley
262-287-4351

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 53209 800-842-9792
Facility's Phone:
U.S. EPA ID Number: WID006085781

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non-Regulated Material	6	DM	330	G	PLACARD? NONE YES ☐ NO ☐
	2. Non-Regulated Material	4	DM	220	G	PLACARD? NONE YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1)1100043913, IDW Soil Drum
2)1100043915, IDW Groundwater

14. **SHIPPER'S CERTIFICATION:** I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Sean Cranley
Signature: Sean Cranley
Month 02 Day 07 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Scott Ewert
Signature:
Month 02 Day 07 Year 20
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED CONSIGNEE

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: Russell Gridley
Signature:
Month 02 Day 08 Year 20

COPY

COVANTA
Environmental Solutions

Corporate Office
5300 N 33rd St. - Milwaukee, WI 53209
Phone: 800-842-9792 Fax: 414-461-3812

BILL OF LADING

1. Shipper ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	1	800-842-9792	CES 142037

SHIPPER

5. Shipper's Name and Mailing Address
Heimes Garage
3418 66th St
Kenosha WI 53142
Shipper's Phone:

Shipper's Site Address (if different than mailing address)
Sean Cranley
(262)2374351

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 53209 800-842-9792
Facility's Phone:

U.S. EPA ID Number: WID006085781

HM	9. Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non-Regulated Material	4	DM	220	G	NONE PLACARD? YES ☐ NO ☐
	2. Non-Regulated Material	3	DM	165	G	NONE PLACARD? YES ☐ NO ☐
	3.					PLACARD? YES ☐ NO ☐
	4.					PLACARD? YES ☐ NO ☐

13. Special Handling Instructions and Additional Information
1) 1100043918, 5 IDW ~~Soil~~ Groundwater
2) 1100043918, 3 IDW ~~Groundwater~~ So. 1

14. **SHIPPER'S CERTIFICATION:** I certify the materials are accurately described.
Shipper's/Offeror's Printed/Typed Name: Sean Cranley — Signature: Sean Cranley — Month 4 Day 14 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Scott Zinck — Signature: Scott Zinck — Month 4 Day 14 Year 20
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED CONSIGNEE

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: Tom Schuler — Signature — Month 04 Day 14 Year 20

DESIGNATED CONSIGNEE COPY

APPENDIX C
Laboratory Reports

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

September 27, 2019

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

RE: Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Dear Sean Cranley:
Enclosed are the analytical results for sample(s) received by the laboratory on September 18, 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
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40195395001	**DP-1 (5'-7')**	Solid	09/16/19 10:10	09/18/19 09:55
40195395002	**DP-2 (2'-3')**	Solid	09/16/19 10:50	09/18/19 09:55
40195395003	**DP-2 (3'-4')**	Solid	09/16/19 11:00	09/18/19 09:55
40195395004	**DP-3 (3'-4')**	Solid	09/16/19 11:25	09/18/19 09:55
40195395005	**DP-4 (2'-2.5')**	Solid	09/16/19 11:45	09/18/19 09:55
40195395006	**DP-5 (2'-2.5')**	Solid	09/16/19 13:20	09/18/19 09:55
40195395007	**DP-6 (2'-2.5')**	Solid	09/16/19 13:45	09/18/19 09:55
40195395008	**DP-7 (2'-3')**	Solid	09/16/19 14:15	09/18/19 09:55
40195395009	**DP-8 (2.5'-3')**	Solid	09/16/19 14:30	09/18/19 09:55
40195395010	**DP-1W**	Water	09/16/19 12:05	09/18/19 09:55
40195395011	**DP-2W**	Water	09/16/19 12:12	09/18/19 09:55
40195395012	**DP-3W**	Water	09/16/19 12:15	09/18/19 09:55
40195395013	**DP-4W**	Water	09/16/19 12:20	09/18/19 09:55
40195395014	**DP-5W**	Water	09/16/19 15:05	09/18/19 09:55
40195395015	**DP-6W**	Water	09/16/19 15:10	09/18/19 09:55
40195395016	**DP-7W**	Water	09/16/19 15:15	09/18/19 09:55
40195395017	**DP-8W**	Water	09/16/19 15:20	09/18/19 09:55
40195395018	**TRIP BLANK**	Water	09/16/19 00:00	09/18/19 09:55

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40195395001	**DP-1 (5'-7')**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40195395002	**DP-2 (2'-3')**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	12	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40195395003	**DP-2 (3'-4')**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	12	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40195395004	**DP-3 (3'-4')**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	12	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40195395005	**DP-4 (2'-2.5')**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	12	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40195395006	**DP-5 (2'-2.5')**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	12	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40195395007	**DP-6 (2'-2.5')**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40195395008	**DP-7 (2'-3')**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40195395009	**DP-8 (2.5'-3')**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	MDS	12	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40195395010	**DP-1W**	EPA 8260	HNW	65	PASI-G
40195395011	**DP-2W**	EPA 8260	HNW	65	PASI-G
40195395012	**DP-3W**	EPA 8260	HNW	65	PASI-G
40195395013	**DP-4W**	EPA 8260	HNW	65	PASI-G
40195395014	**DP-5W**	EPA 8260	HNW	65	PASI-G
40195395015	**DP-6W**	EPA 8260	HNW	65	PASI-G
40195395016	**DP-7W**	EPA 8260	HNW	65	PASI-G
40195395017	**DP-8W**	EPA 8260	HNW	65	PASI-G
40195395018	**TRIP BLANK**	EPA 8260	HNW	65	PASI-G

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40195395001	**DP-1 (5'-7')**					
EPA 8270 by SIM	Benzo(a)anthracene	0.0047J	mg/kg	0.013	09/20/19 15:24	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.0038J	mg/kg	0.012	09/20/19 15:24	
ASTM D2974-87	Percent Moisture	20.8	%	0.10	09/27/19 08:52	
40195395002	**DP-2 (2'-3')**					
EPA 8270 by SIM	Acenaphthene	0.21	mg/kg	0.21	09/23/19 15:08	
EPA 8270 by SIM	Acenaphthylene	0.047J	mg/kg	0.21	09/23/19 15:08	
EPA 8270 by SIM	Anthracene	0.076J	mg/kg	0.21	09/23/19 15:08	
EPA 8270 by SIM	Fluorene	0.24	mg/kg	0.21	09/23/19 15:08	
EPA 8270 by SIM	1-Methylnaphthalene	2.1	mg/kg	0.21	09/23/19 15:08	
EPA 8270 by SIM	2-Methylnaphthalene	3.6	mg/kg	0.21	09/23/19 15:08	
EPA 8270 by SIM	Naphthalene	1.3	mg/kg	0.21	09/23/19 15:08	
EPA 8270 by SIM	Phenanthrene	0.69	mg/kg	0.21	09/23/19 15:08	
EPA 8260	Ethylbenzene	0.32J	mg/kg	0.60	09/21/19 01:48	
ASTM D2974-87	Percent Moisture	20.0	%	0.10	09/27/19 08:53	
40195395003	**DP-2 (3'-4')**					
EPA 8270 by SIM	Acenaphthene	0.67J	mg/kg	0.83	09/23/19 15:25	
EPA 8270 by SIM	Acenaphthylene	0.15J	mg/kg	0.83	09/23/19 15:25	
EPA 8270 by SIM	Anthracene	0.22J	mg/kg	0.83	09/23/19 15:25	
EPA 8270 by SIM	Fluorene	0.75J	mg/kg	0.83	09/23/19 15:25	
EPA 8270 by SIM	1-Methylnaphthalene	6.7	mg/kg	0.83	09/23/19 15:25	
EPA 8270 by SIM	2-Methylnaphthalene	12.1	mg/kg	0.83	09/23/19 15:25	
EPA 8270 by SIM	Naphthalene	4.2	mg/kg	0.83	09/23/19 15:25	
EPA 8270 by SIM	Phenanthrene	2.1	mg/kg	0.83	09/23/19 15:25	
EPA 8260	Ethylbenzene	0.17J	mg/kg	0.37	09/21/19 02:11	
ASTM D2974-87	Percent Moisture	19.0	%	0.10	09/27/19 08:53	
40195395004	**DP-3 (3'-4')**					
EPA 8270 by SIM	Acenaphthene	0.15J	mg/kg	0.20	09/23/19 15:42	
EPA 8270 by SIM	Acenaphthylene	0.048J	mg/kg	0.20	09/23/19 15:42	
EPA 8270 by SIM	Anthracene	0.039J	mg/kg	0.20	09/23/19 15:42	
EPA 8270 by SIM	Benzo(a)anthracene	0.032J	mg/kg	0.20	09/23/19 15:42	
EPA 8270 by SIM	Fluorene	0.15J	mg/kg	0.20	09/23/19 15:42	
EPA 8270 by SIM	1-Methylnaphthalene	2.2	mg/kg	0.20	09/23/19 15:42	
EPA 8270 by SIM	2-Methylnaphthalene	3.4	mg/kg	0.20	09/23/19 15:42	
EPA 8270 by SIM	Naphthalene	1.6	mg/kg	0.20	09/23/19 15:42	
EPA 8270 by SIM	Phenanthrene	0.26	mg/kg	0.20	09/23/19 15:42	
EPA 8270 by SIM	Pyrene	0.046J	mg/kg	0.20	09/23/19 15:42	
ASTM D2974-87	Percent Moisture	17.7	%	0.10	09/27/19 08:53	
40195395005	**DP-4 (2'-2.5')**					
EPA 8270 by SIM	Benzo(a)anthracene	0.0042J	mg/kg	0.014	09/20/19 16:32	
EPA 8270 by SIM	1-Methylnaphthalene	0.011J	mg/kg	0.018	09/20/19 16:32	
EPA 8270 by SIM	2-Methylnaphthalene	0.027	mg/kg	0.022	09/20/19 16:32	
EPA 8270 by SIM	Naphthalene	0.011J	mg/kg	0.037	09/20/19 16:32	
ASTM D2974-87	Percent Moisture	23.4	%	0.10	09/27/19 08:53	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40195395006	**DP-5 (2'-2.5')**					
EPA 8270 by SIM	Benzo(a)anthracene	0.0045J	mg/kg	0.022	09/23/19 15:59	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.0042J	mg/kg	0.022	09/23/19 15:59	
EPA 8270 by SIM	Fluoranthene	0.0041J	mg/kg	0.022	09/23/19 15:59	
EPA 8270 by SIM	1-Methylnaphthalene	0.013J	mg/kg	0.022	09/23/19 15:59	
EPA 8270 by SIM	2-Methylnaphthalene	0.021J	mg/kg	0.022	09/23/19 15:59	
EPA 8270 by SIM	Naphthalene	0.0084J	mg/kg	0.022	09/23/19 15:59	
EPA 8270 by SIM	Phenanthrene	0.0086J	mg/kg	0.022	09/23/19 15:59	
ASTM D2974-87	Percent Moisture	22.8	%	0.10	09/27/19 08:53	
40195395007	**DP-6 (2'-2.5')**					
EPA 8270 by SIM	1-Methylnaphthalene	0.022	mg/kg	0.016	09/20/19 16:49	
EPA 8270 by SIM	2-Methylnaphthalene	0.042	mg/kg	0.020	09/20/19 16:49	
EPA 8270 by SIM	Naphthalene	0.086	mg/kg	0.034	09/20/19 16:49	
EPA 8260	1,2,4-Trimethylbenzene	0.060J	mg/kg	0.072	09/23/19 18:10	
ASTM D2974-87	Percent Moisture	17.0	%	0.10	09/27/19 08:53	
40195395008	**DP-7 (2'-3')**					
ASTM D2974-87	Percent Moisture	23.2	%	0.10	09/27/19 08:53	
40195395009	**DP-8 (2.5'-3')**					
EPA 8270 by SIM	1-Methylnaphthalene	0.0037J	mg/kg	0.023	09/23/19 10:48	
EPA 8270 by SIM	2-Methylnaphthalene	0.0080J	mg/kg	0.023	09/23/19 10:48	
EPA 8270 by SIM	Naphthalene	0.012J	mg/kg	0.023	09/23/19 10:48	
ASTM D2974-87	Percent Moisture	26.8	%	0.10	09/24/19 13:11	
40195395011	**DP-2W**					
EPA 8260	Benzene	3.7	ug/L	2.0	09/20/19 01:30	
EPA 8260	n-Butylbenzene	5.5	ug/L	4.7	09/20/19 01:30	
EPA 8260	sec-Butylbenzene	3.6J	ug/L	10.0	09/20/19 01:30	
EPA 8260	1,2-Dichloroethane	2.4	ug/L	2.0	09/20/19 01:30	
EPA 8260	Diisopropyl ether	7.6J	ug/L	12.6	09/20/19 01:30	
EPA 8260	Ethylbenzene	1.8J	ug/L	2.0	09/20/19 01:30	
EPA 8260	Isopropylbenzene (Cumene)	15.4	ug/L	10.0	09/20/19 01:30	
EPA 8260	Naphthalene	83.6	ug/L	10.0	09/20/19 01:30	
EPA 8260	n-Propylbenzene	43.9	ug/L	10.0	09/20/19 01:30	
EPA 8260	Toluene	0.55J	ug/L	10.0	09/20/19 01:30	
40195395012	**DP-3W**					
EPA 8260	Benzene	11.6	ug/L	1.0	09/20/19 07:10	
EPA 8260	n-Butylbenzene	7.9	ug/L	2.4	09/20/19 07:10	
EPA 8260	sec-Butylbenzene	9.3	ug/L	5.0	09/20/19 07:10	
EPA 8260	tert-Butylbenzene	0.91J	ug/L	1.0	09/20/19 07:10	
EPA 8260	1,2-Dichloroethane	3.2	ug/L	1.0	09/20/19 07:10	
EPA 8260	Diisopropyl ether	3.1J	ug/L	6.3	09/20/19 07:10	
EPA 8260	Ethylbenzene	1.7	ug/L	1.0	09/20/19 07:10	
EPA 8260	Isopropylbenzene (Cumene)	24.6	ug/L	5.0	09/20/19 07:10	
EPA 8260	p-Isopropyltoluene	0.98J	ug/L	2.7	09/20/19 07:10	
EPA 8260	Methyl-tert-butyl ether	13.4	ug/L	4.2	09/20/19 07:10	
EPA 8260	Naphthalene	92.6	ug/L	5.0	09/20/19 07:10	

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SUMMARY OF DETECTION

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40195395012	**DP-3W**					
EPA 8260	n-Propylbenzene	35.3	ug/L	5.0	09/20/19 07:10	
EPA 8260	Toluene	2.5J	ug/L	5.0	09/20/19 07:10	
EPA 8260	Xylene (Total)	2.5J	ug/L	3.0	09/20/19 07:10	
EPA 8260	m&p-Xylene	1.8J	ug/L	2.0	09/20/19 07:10	
EPA 8260	o-Xylene	0.68J	ug/L	1.0	09/20/19 07:10	
40195395013	**DP-4W**					
EPA 8260	Benzene	1.4	ug/L	1.0	09/19/19 19:04	
EPA 8260	cis-1,2-Dichloroethene	13.1	ug/L	1.0	09/19/19 19:04	
EPA 8260	trans-1,2-Dichloroethene	1.4J	ug/L	3.6	09/19/19 19:04	
EPA 8260	Methyl-tert-butyl ether	86.6	ug/L	4.2	09/19/19 19:04	
EPA 8260	Vinyl chloride	0.72J	ug/L	1.0	09/19/19 19:04	
40195395014	**DP-5W**					
EPA 8260	Methyl-tert-butyl ether	178	ug/L	4.2	09/19/19 19:25	
40195395015	**DP-6W**					
EPA 8260	Benzene	169	ug/L	4.0	09/20/19 02:13	
EPA 8260	Ethylbenzene	1.3J	ug/L	4.0	09/20/19 02:13	
EPA 8260	Methyl-tert-butyl ether	233	ug/L	16.6	09/20/19 02:13	
EPA 8260	Toluene	1.1J	ug/L	20.0	09/20/19 02:13	
EPA 8260	Xylene (Total)	14.6	ug/L	12.0	09/20/19 02:13	
EPA 8260	m&p-Xylene	13.9	ug/L	8.0	09/20/19 02:13	

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ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-1 (5'-7') **Lab ID: 40195395001** Collected: 09/16/19 10:10 Received: 09/18/19 09:55 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
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<0.0049**	mg/kg	0.016	0.0049	1	09/20/19 08:19	09/20/19 15:24	83-32-9	
Acenaphthylene	**<0.0042**	mg/kg	0.014	0.0042	1	09/20/19 08:19	09/20/19 15:24	208-96-8	
Anthracene	**<0.0072**	mg/kg	0.024	0.0072	1	09/20/19 08:19	09/20/19 15:24	120-12-7	
Benzo(a)anthracene	**0.0047J**	mg/kg	0.013	0.0040	1	09/20/19 08:19	09/20/19 15:24	56-55-3	
Benzo(a)pyrene	**<0.0032**	mg/kg	0.011	0.0032	1	09/20/19 08:19	09/20/19 15:24	50-32-8	
Benzo(b)fluoranthene	**0.0038J**	mg/kg	0.012	0.0036	1	09/20/19 08:19	09/20/19 15:24	205-99-2	
Benzo(g,h,i)perylene	**<0.0026**	mg/kg	0.0086	0.0026	1	09/20/19 08:19	09/20/19 15:24	191-24-2	
Benzo(k)fluoranthene	**<0.0032**	mg/kg	0.011	0.0032	1	09/20/19 08:19	09/20/19 15:24	207-08-9	
Chrysene	**<0.0043**	mg/kg	0.014	0.0043	1	09/20/19 08:19	09/20/19 15:24	218-01-9	
Dibenz(a,h)anthracene	**<0.0028**	mg/kg	0.0094	0.0028	1	09/20/19 08:19	09/20/19 15:24	53-70-3	
Fluoranthene	**<0.0066**	mg/kg	0.022	0.0066	1	09/20/19 08:19	09/20/19 15:24	206-44-0	
Fluorene	**<0.0052**	mg/kg	0.017	0.0052	1	09/20/19 08:19	09/20/19 15:24	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0028**	mg/kg	0.0093	0.0028	1	09/20/19 08:19	09/20/19 15:24	193-39-5	
1-Methylnaphthalene	**<0.0051**	mg/kg	0.017	0.0051	1	09/20/19 08:19	09/20/19 15:24	90-12-0	
2-Methylnaphthalene	**<0.0063**	mg/kg	0.021	0.0063	1	09/20/19 08:19	09/20/19 15:24	91-57-6	
Naphthalene	**<0.011**	mg/kg	0.036	0.011	1	09/20/19 08:19	09/20/19 15:24	91-20-3	
Phenanthrene	**<0.015**	mg/kg	0.049	0.015	1	09/20/19 08:19	09/20/19 15:24	85-01-8	
Pyrene	**<0.0057**	mg/kg	0.019	0.0057	1	09/20/19 08:19	09/20/19 15:24	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	57	%	28-99		1	09/20/19 08:19	09/20/19 15:24	321-60-8	
Terphenyl-d14 (S)	58	%	10-107		1	09/20/19 08:19	09/20/19 15:24	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 17:47	71-43-2	W
Ethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 17:47	100-41-4	W
Methyl-tert-butyl ether	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 17:47	1634-04-4	W
Toluene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 17:47	108-88-3	W
1,2,4-Trimethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 17:47	95-63-6	W
1,3,5-Trimethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 17:47	108-67-8	W
Xylene (Total)	**<0.075**	mg/kg	0.18	0.075	1	09/23/19 10:15	09/23/19 17:47	1330-20-7	W
m&p-Xylene	**<0.050**	mg/kg	0.12	0.050	1	09/23/19 10:15	09/23/19 17:47	179601-23-1	W
o-Xylene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 17:47	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	147	%	57-146		1	09/23/19 10:15	09/23/19 17:47	1868-53-7	S3
4-Bromofluorobenzene (S)	127	%	54-126		1	09/23/19 10:15	09/23/19 17:47	460-00-4	S3
Toluene-d8 (S)	129	%	64-134		1	09/23/19 10:15	09/23/19 17:47	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.8**	%	0.10	0.10	1		09/27/19 08:52		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-2 (2'-3') **Lab ID: 40195395002** Collected: 09/16/19 10:50 Received: 09/18/19 09:55 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
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**0.21**	mg/kg	0.21	0.027	10	09/20/19 08:19	09/23/19 15:08	83-32-9	
Acenaphthylene	**0.047J**	mg/kg	0.21	0.026	10	09/20/19 08:19	09/23/19 15:08	208-96-8	
Anthracene	**0.076J**	mg/kg	0.21	0.026	10	09/20/19 08:19	09/23/19 15:08	120-12-7	
Benzo(a)anthracene	**<0.027**	mg/kg	0.21	0.027	10	09/20/19 08:19	09/23/19 15:08	56-55-3	
Benzo(a)pyrene	**<0.024**	mg/kg	0.21	0.024	10	09/20/19 08:19	09/23/19 15:08	50-32-8	
Benzo(b)fluoranthene	**<0.029**	mg/kg	0.21	0.029	10	09/20/19 08:19	09/23/19 15:08	205-99-2	
Benzo(g,h,i)perylene	**<0.037**	mg/kg	0.21	0.037	10	09/20/19 08:19	09/23/19 15:08	191-24-2	
Benzo(k)fluoranthene	**<0.027**	mg/kg	0.21	0.027	10	09/20/19 08:19	09/23/19 15:08	207-08-9	
Chrysene	**<0.039**	mg/kg	0.21	0.039	10	09/20/19 08:19	09/23/19 15:08	218-01-9	
Dibenz(a,h)anthracene	**<0.029**	mg/kg	0.21	0.029	10	09/20/19 08:19	09/23/19 15:08	53-70-3	
Fluoranthene	**<0.025**	mg/kg	0.21	0.025	10	09/20/19 08:19	09/23/19 15:08	206-44-0	
Fluorene	**0.24**	mg/kg	0.21	0.025	10	09/20/19 08:19	09/23/19 15:08	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.043**	mg/kg	0.21	0.043	10	09/20/19 08:19	09/23/19 15:08	193-39-5	
1-Methylnaphthalene	**2.1**	mg/kg	0.21	0.030	10	09/20/19 08:19	09/23/19 15:08	90-12-0	
2-Methylnaphthalene	**3.6**	mg/kg	0.21	0.030	10	09/20/19 08:19	09/23/19 15:08	91-57-6	
Naphthalene	**1.3**	mg/kg	0.21	0.020	10	09/20/19 08:19	09/23/19 15:08	91-20-3	
Phenanthrene	**0.69**	mg/kg	0.21	0.024	10	09/20/19 08:19	09/23/19 15:08	85-01-8	
Pyrene	**<0.031**	mg/kg	0.21	0.031	10	09/20/19 08:19	09/23/19 15:08	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	28-99		10	09/20/19 08:19	09/23/19 15:08	321-60-8	
Terphenyl-d14 (S)	48	%	10-107		10	09/20/19 08:19	09/23/19 15:08	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<0.20**	mg/kg	0.48	0.20	8	09/20/19 10:00	09/21/19 01:48	71-43-2	W
Ethylbenzene	**0.32J**	mg/kg	0.60	0.25	8	09/20/19 10:00	09/21/19 01:48	100-41-4	
Methyl-tert-butyl ether	**<0.20**	mg/kg	0.48	0.20	8	09/20/19 10:00	09/21/19 01:48	1634-04-4	W
Toluene	**<0.20**	mg/kg	0.48	0.20	8	09/20/19 10:00	09/21/19 01:48	108-88-3	W
1,2,4-Trimethylbenzene	**<0.20**	mg/kg	0.48	0.20	8	09/20/19 10:00	09/21/19 01:48	95-63-6	W
1,3,5-Trimethylbenzene	**<0.20**	mg/kg	0.48	0.20	8	09/20/19 10:00	09/21/19 01:48	108-67-8	W
Xylene (Total)	**<0.60**	mg/kg	1.4	0.60	8	09/20/19 10:00	09/21/19 01:48	1330-20-7	W
m&p-Xylene	**<0.40**	mg/kg	0.96	0.40	8	09/20/19 10:00	09/21/19 01:48	179601-23-1	W
o-Xylene	**<0.20**	mg/kg	0.48	0.20	8	09/20/19 10:00	09/21/19 01:48	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	109	%	57-146		8	09/20/19 10:00	09/21/19 01:48	1868-53-7	D3
4-Bromofluorobenzene (S)	140	%	54-126		8	09/20/19 10:00	09/21/19 01:48	460-00-4	S1
Toluene-d8 (S)	108	%	64-134		8	09/20/19 10:00	09/21/19 01:48	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.0**	%	0.10	0.10	1		09/27/19 08:53		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-2 (3'-4') **Lab ID: 40195395003** Collected: 09/16/19 11:00 Received: 09/18/19 09:55 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
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**0.67J**	mg/kg	0.83	0.11	40	09/20/19 08:19	09/23/19 15:25	83-32-9	
Acenaphthylene	**0.15J**	mg/kg	0.83	0.10	40	09/20/19 08:19	09/23/19 15:25	208-96-8	
Anthracene	**0.22J**	mg/kg	0.83	0.10	40	09/20/19 08:19	09/23/19 15:25	120-12-7	
Benzo(a)anthracene	**<0.11**	mg/kg	0.83	0.11	40	09/20/19 08:19	09/23/19 15:25	56-55-3	
Benzo(a)pyrene	**<0.094**	mg/kg	0.83	0.094	40	09/20/19 08:19	09/23/19 15:25	50-32-8	
Benzo(b)fluoranthene	**<0.11**	mg/kg	0.83	0.11	40	09/20/19 08:19	09/23/19 15:25	205-99-2	
Benzo(g,h,i)perylene	**<0.14**	mg/kg	0.83	0.14	40	09/20/19 08:19	09/23/19 15:25	191-24-2	
Benzo(k)fluoranthene	**<0.11**	mg/kg	0.83	0.11	40	09/20/19 08:19	09/23/19 15:25	207-08-9	
Chrysene	**<0.16**	mg/kg	0.83	0.16	40	09/20/19 08:19	09/23/19 15:25	218-01-9	
Dibenz(a,h)anthracene	**<0.11**	mg/kg	0.83	0.11	40	09/20/19 08:19	09/23/19 15:25	53-70-3	
Fluoranthene	**<0.098**	mg/kg	0.83	0.098	40	09/20/19 08:19	09/23/19 15:25	206-44-0	
Fluorene	**0.75J**	mg/kg	0.83	0.099	40	09/20/19 08:19	09/23/19 15:25	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.17**	mg/kg	0.83	0.17	40	09/20/19 08:19	09/23/19 15:25	193-39-5	
1-Methylnaphthalene	**6.7**	mg/kg	0.83	0.12	40	09/20/19 08:19	09/23/19 15:25	90-12-0	
2-Methylnaphthalene	**12.1**	mg/kg	0.83	0.12	40	09/20/19 08:19	09/23/19 15:25	91-57-6	
Naphthalene	**4.2**	mg/kg	0.83	0.080	40	09/20/19 08:19	09/23/19 15:25	91-20-3	
Phenanthrene	**2.1**	mg/kg	0.83	0.095	40	09/20/19 08:19	09/23/19 15:25	85-01-8	
Pyrene	**<0.12**	mg/kg	0.83	0.12	40	09/20/19 08:19	09/23/19 15:25	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	28-99		40	09/20/19 08:19	09/23/19 15:25	321-60-8	
Terphenyl-d14 (S)	55	%	10-107		40	09/20/19 08:19	09/23/19 15:25	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<0.12**	mg/kg	0.30	0.12	5	09/20/19 10:00	09/21/19 02:11	71-43-2	W
Ethylbenzene	**0.17J**	mg/kg	0.37	0.15	5	09/20/19 10:00	09/21/19 02:11	100-41-4	
Methyl-tert-butyl ether	**<0.12**	mg/kg	0.30	0.12	5	09/20/19 10:00	09/21/19 02:11	1634-04-4	W
Toluene	**<0.12**	mg/kg	0.30	0.12	5	09/20/19 10:00	09/21/19 02:11	108-88-3	W
1,2,4-Trimethylbenzene	**<0.12**	mg/kg	0.30	0.12	5	09/20/19 10:00	09/21/19 02:11	95-63-6	W
1,3,5-Trimethylbenzene	**<0.12**	mg/kg	0.30	0.12	5	09/20/19 10:00	09/21/19 02:11	108-67-8	W
Xylene (Total)	**<0.38**	mg/kg	0.90	0.38	5	09/20/19 10:00	09/21/19 02:11	1330-20-7	W
m&p-Xylene	**<0.25**	mg/kg	0.60	0.25	5	09/20/19 10:00	09/21/19 02:11	179601-23-1	W
o-Xylene	**<0.12**	mg/kg	0.30	0.12	5	09/20/19 10:00	09/21/19 02:11	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	57-146		5	09/20/19 10:00	09/21/19 02:11	1868-53-7	D3
4-Bromofluorobenzene (S)	120	%	54-126		5	09/20/19 10:00	09/21/19 02:11	460-00-4	
Toluene-d8 (S)	83	%	64-134		5	09/20/19 10:00	09/21/19 02:11	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.0**	%	0.10	0.10	1		09/27/19 08:53		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-3 (3'-4') **Lab ID: 40195395004** Collected: 09/16/19 11:25 Received: 09/18/19 09:55 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
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**0.15J**	mg/kg	0.20	0.026	10	09/20/19 08:19	09/23/19 15:42	83-32-9	
Acenaphthylene	**0.048J**	mg/kg	0.20	0.026	10	09/20/19 08:19	09/23/19 15:42	208-96-8	
Anthracene	**0.039J**	mg/kg	0.20	0.025	10	09/20/19 08:19	09/23/19 15:42	120-12-7	
Benzo(a)anthracene	**0.032J**	mg/kg	0.20	0.026	10	09/20/19 08:19	09/23/19 15:42	56-55-3	
Benzo(a)pyrene	**<0.023**	mg/kg	0.20	0.023	10	09/20/19 08:19	09/23/19 15:42	50-32-8	
Benzo(b)fluoranthene	**<0.028**	mg/kg	0.20	0.028	10	09/20/19 08:19	09/23/19 15:42	205-99-2	
Benzo(g,h,i)perylene	**<0.036**	mg/kg	0.20	0.036	10	09/20/19 08:19	09/23/19 15:42	191-24-2	
Benzo(k)fluoranthene	**<0.026**	mg/kg	0.20	0.026	10	09/20/19 08:19	09/23/19 15:42	207-08-9	
Chrysene	**<0.038**	mg/kg	0.20	0.038	10	09/20/19 08:19	09/23/19 15:42	218-01-9	
Dibenz(a,h)anthracene	**<0.028**	mg/kg	0.20	0.028	10	09/20/19 08:19	09/23/19 15:42	53-70-3	
Fluoranthene	**<0.024**	mg/kg	0.20	0.024	10	09/20/19 08:19	09/23/19 15:42	206-44-0	
Fluorene	**0.15J**	mg/kg	0.20	0.024	10	09/20/19 08:19	09/23/19 15:42	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.042**	mg/kg	0.20	0.042	10	09/20/19 08:19	09/23/19 15:42	193-39-5	
1-Methylnaphthalene	**2.2**	mg/kg	0.20	0.030	10	09/20/19 08:19	09/23/19 15:42	90-12-0	
2-Methylnaphthalene	**3.4**	mg/kg	0.20	0.030	10	09/20/19 08:19	09/23/19 15:42	91-57-6	
Naphthalene	**1.6**	mg/kg	0.20	0.020	10	09/20/19 08:19	09/23/19 15:42	91-20-3	
Phenanthrene	**0.26**	mg/kg	0.20	0.023	10	09/20/19 08:19	09/23/19 15:42	85-01-8	
Pyrene	**0.046J**	mg/kg	0.20	0.030	10	09/20/19 08:19	09/23/19 15:42	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	72	%	28-99		10	09/20/19 08:19	09/23/19 15:42	321-60-8	
Terphenyl-d14 (S)	55	%	10-107		10	09/20/19 08:19	09/23/19 15:42	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<0.12**	mg/kg	0.30	0.12	5	09/20/19 10:00	09/21/19 02:34	71-43-2	W
Ethylbenzene	**<0.12**	mg/kg	0.30	0.12	5	09/20/19 10:00	09/21/19 02:34	100-41-4	W
Methyl-tert-butyl ether	**<0.12**	mg/kg	0.30	0.12	5	09/20/19 10:00	09/21/19 02:34	1634-04-4	W
Toluene	**<0.12**	mg/kg	0.30	0.12	5	09/20/19 10:00	09/21/19 02:34	108-88-3	W
1,2,4-Trimethylbenzene	**<0.12**	mg/kg	0.30	0.12	5	09/20/19 10:00	09/21/19 02:34	95-63-6	W
1,3,5-Trimethylbenzene	**<0.12**	mg/kg	0.30	0.12	5	09/20/19 10:00	09/21/19 02:34	108-67-8	W
Xylene (Total)	**<0.38**	mg/kg	0.90	0.38	5	09/20/19 10:00	09/21/19 02:34	1330-20-7	W
m&p-Xylene	**<0.25**	mg/kg	0.60	0.25	5	09/20/19 10:00	09/21/19 02:34	179601-23-1	W
o-Xylene	**<0.12**	mg/kg	0.30	0.12	5	09/20/19 10:00	09/21/19 02:34	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	57-146		5	09/20/19 10:00	09/21/19 02:34	1868-53-7	D3
4-Bromofluorobenzene (S)	143	%	54-126		5	09/20/19 10:00	09/21/19 02:34	460-00-4	S1
Toluene-d8 (S)	112	%	64-134		5	09/20/19 10:00	09/21/19 02:34	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.7**	%	0.10	0.10	1		09/27/19 08:53		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-4 (2'-2.5') **Lab ID: 40195395005** Collected: 09/16/19 11:45 Received: 09/18/19 09:55 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
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<0.0051**	mg/kg	0.017	0.0051	1	09/20/19 08:19	09/20/19 16:32	83-32-9	
Acenaphthylene	**<0.0043**	mg/kg	0.014	0.0043	1	09/20/19 08:19	09/20/19 16:32	208-96-8	
Anthracene	**<0.0075**	mg/kg	0.025	0.0075	1	09/20/19 08:19	09/20/19 16:32	120-12-7	
Benzo(a)anthracene	**0.0042J**	mg/kg	0.014	0.0041	1	09/20/19 08:19	09/20/19 16:32	56-55-3	
Benzo(a)pyrene	**<0.0033**	mg/kg	0.011	0.0033	1	09/20/19 08:19	09/20/19 16:32	50-32-8	
Benzo(b)fluoranthene	**<0.0037**	mg/kg	0.012	0.0037	1	09/20/19 08:19	09/20/19 16:32	205-99-2	
Benzo(g,h,i)perylene	**<0.0027**	mg/kg	0.0088	0.0027	1	09/20/19 08:19	09/20/19 16:32	191-24-2	
Benzo(k)fluoranthene	**<0.0033**	mg/kg	0.011	0.0033	1	09/20/19 08:19	09/20/19 16:32	207-08-9	
Chrysene	**<0.0044**	mg/kg	0.015	0.0044	1	09/20/19 08:19	09/20/19 16:32	218-01-9	
Dibenz(a,h)anthracene	**<0.0029**	mg/kg	0.0097	0.0029	1	09/20/19 08:19	09/20/19 16:32	53-70-3	
Fluoranthene	**<0.0068**	mg/kg	0.023	0.0068	1	09/20/19 08:19	09/20/19 16:32	206-44-0	
Fluorene	**<0.0054**	mg/kg	0.018	0.0054	1	09/20/19 08:19	09/20/19 16:32	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0029**	mg/kg	0.0096	0.0029	1	09/20/19 08:19	09/20/19 16:32	193-39-5	
1-Methylnaphthalene	**0.011J**	mg/kg	0.018	0.0053	1	09/20/19 08:19	09/20/19 16:32	90-12-0	
2-Methylnaphthalene	**0.027**	mg/kg	0.022	0.0065	1	09/20/19 08:19	09/20/19 16:32	91-57-6	
Naphthalene	**0.011J**	mg/kg	0.037	0.011	1	09/20/19 08:19	09/20/19 16:32	91-20-3	
Phenanthrene	**<0.015**	mg/kg	0.051	0.015	1	09/20/19 08:19	09/20/19 16:32	85-01-8	
Pyrene	**<0.0059**	mg/kg	0.020	0.0059	1	09/20/19 08:19	09/20/19 16:32	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	28-99		1	09/20/19 08:19	09/20/19 16:32	321-60-8	
Terphenyl-d14 (S)	62	%	10-107		1	09/20/19 08:19	09/20/19 16:32	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<0.025**	mg/kg	0.060	0.025	1	09/20/19 10:00	09/21/19 01:02	71-43-2	W
Ethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/20/19 10:00	09/21/19 01:02	100-41-4	W
Methyl-tert-butyl ether	**<0.025**	mg/kg	0.060	0.025	1	09/20/19 10:00	09/21/19 01:02	1634-04-4	W
Toluene	**<0.025**	mg/kg	0.060	0.025	1	09/20/19 10:00	09/21/19 01:02	108-88-3	W
1,2,4-Trimethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/20/19 10:00	09/21/19 01:02	95-63-6	W
1,3,5-Trimethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/20/19 10:00	09/21/19 01:02	108-67-8	W
Xylene (Total)	**<0.075**	mg/kg	0.18	0.075	1	09/20/19 10:00	09/21/19 01:02	1330-20-7	W
m&p-Xylene	**<0.050**	mg/kg	0.12	0.050	1	09/20/19 10:00	09/21/19 01:02	179601-23-1	W
o-Xylene	**<0.025**	mg/kg	0.060	0.025	1	09/20/19 10:00	09/21/19 01:02	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	158	%	57-146		1	09/20/19 10:00	09/21/19 01:02	1868-53-7	S3
4-Bromofluorobenzene (S)	155	%	54-126		1	09/20/19 10:00	09/21/19 01:02	460-00-4	S3
Toluene-d8 (S)	159	%	64-134		1	09/20/19 10:00	09/21/19 01:02	2037-26-5	S3
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**23.4**	%	0.10	0.10	1		09/27/19 08:53		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-5 (2'-2.5') **Lab ID: 40195395006** Collected: 09/16/19 13:20 Received: 09/18/19 09:55 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
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<0.0028**	mg/kg	0.022	0.0028	1	09/20/19 08:19	09/23/19 15:59	83-32-9	
Acenaphthylene	**<0.0027**	mg/kg	0.022	0.0027	1	09/20/19 08:19	09/23/19 15:59	208-96-8	
Anthracene	**<0.0027**	mg/kg	0.022	0.0027	1	09/20/19 08:19	09/23/19 15:59	120-12-7	
Benzo(a)anthracene	**0.0045J**	mg/kg	0.022	0.0028	1	09/20/19 08:19	09/23/19 15:59	56-55-3	
Benzo(a)pyrene	**<0.0025**	mg/kg	0.022	0.0025	1	09/20/19 08:19	09/23/19 15:59	50-32-8	
Benzo(b)fluoranthene	**0.0042J**	mg/kg	0.022	0.0030	1	09/20/19 08:19	09/23/19 15:59	205-99-2	
Benzo(g,h,i)perylene	**<0.0038**	mg/kg	0.022	0.0038	1	09/20/19 08:19	09/23/19 15:59	191-24-2	
Benzo(k)fluoranthene	**<0.0028**	mg/kg	0.022	0.0028	1	09/20/19 08:19	09/23/19 15:59	207-08-9	
Chrysene	**<0.0041**	mg/kg	0.022	0.0041	1	09/20/19 08:19	09/23/19 15:59	218-01-9	
Dibenz(a,h)anthracene	**<0.0030**	mg/kg	0.022	0.0030	1	09/20/19 08:19	09/23/19 15:59	53-70-3	
Fluoranthene	**0.0041J**	mg/kg	0.022	0.0026	1	09/20/19 08:19	09/23/19 15:59	206-44-0	
Fluorene	**<0.0026**	mg/kg	0.022	0.0026	1	09/20/19 08:19	09/23/19 15:59	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0045**	mg/kg	0.022	0.0045	1	09/20/19 08:19	09/23/19 15:59	193-39-5	
1-Methylnaphthalene	**0.013J**	mg/kg	0.022	0.0032	1	09/20/19 08:19	09/23/19 15:59	90-12-0	
2-Methylnaphthalene	**0.021J**	mg/kg	0.022	0.0032	1	09/20/19 08:19	09/23/19 15:59	91-57-6	
Naphthalene	**0.0084J**	mg/kg	0.022	0.0021	1	09/20/19 08:19	09/23/19 15:59	91-20-3	
Phenanthrene	**0.0086J**	mg/kg	0.022	0.0025	1	09/20/19 08:19	09/23/19 15:59	85-01-8	
Pyrene	**<0.0032**	mg/kg	0.022	0.0032	1	09/20/19 08:19	09/23/19 15:59	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	28-99		1	09/20/19 08:19	09/23/19 15:59	321-60-8	
Terphenyl-d14 (S)	62	%	10-107		1	09/20/19 08:19	09/23/19 15:59	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<0.025**	mg/kg	0.060	0.025	1	09/20/19 10:00	09/21/19 01:25	71-43-2	W
Ethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/20/19 10:00	09/21/19 01:25	100-41-4	W
Methyl-tert-butyl ether	**<0.025**	mg/kg	0.060	0.025	1	09/20/19 10:00	09/21/19 01:25	1634-04-4	W
Toluene	**<0.025**	mg/kg	0.060	0.025	1	09/20/19 10:00	09/21/19 01:25	108-88-3	W
1,2,4-Trimethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/20/19 10:00	09/21/19 01:25	95-63-6	W
1,3,5-Trimethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/20/19 10:00	09/21/19 01:25	108-67-8	W
Xylene (Total)	**<0.075**	mg/kg	0.18	0.075	1	09/20/19 10:00	09/21/19 01:25	1330-20-7	W
m&p-Xylene	**<0.050**	mg/kg	0.12	0.050	1	09/20/19 10:00	09/21/19 01:25	179601-23-1	W
o-Xylene	**<0.025**	mg/kg	0.060	0.025	1	09/20/19 10:00	09/21/19 01:25	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	187	%	57-146		1	09/20/19 10:00	09/21/19 01:25	1868-53-7	S3
4-Bromofluorobenzene (S)	158	%	54-126		1	09/20/19 10:00	09/21/19 01:25	460-00-4	S3
Toluene-d8 (S)	171	%	64-134		1	09/20/19 10:00	09/21/19 01:25	2037-26-5	S3
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.8**	%	0.10	0.10	1		09/27/19 08:53		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-6 (2'-2.5') **Lab ID: 40195395007** Collected: 09/16/19 13:45 Received: 09/18/19 09:55 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
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<0.0047**	mg/kg	0.016	0.0047	1	09/20/19 08:19	09/20/19 16:49	83-32-9	
Acenaphthylene	**<0.0040**	mg/kg	0.013	0.0040	1	09/20/19 08:19	09/20/19 16:49	208-96-8	
Anthracene	**<0.0069**	mg/kg	0.023	0.0069	1	09/20/19 08:19	09/20/19 16:49	120-12-7	
Benzo(a)anthracene	**<0.0038**	mg/kg	0.013	0.0038	1	09/20/19 08:19	09/20/19 16:49	56-55-3	
Benzo(a)pyrene	**<0.0030**	mg/kg	0.010	0.0030	1	09/20/19 08:19	09/20/19 16:49	50-32-8	
Benzo(b)fluoranthene	**<0.0034**	mg/kg	0.011	0.0034	1	09/20/19 08:19	09/20/19 16:49	205-99-2	
Benzo(g,h,i)perylene	**<0.0025**	mg/kg	0.0082	0.0025	1	09/20/19 08:19	09/20/19 16:49	191-24-2	
Benzo(k)fluoranthene	**<0.0030**	mg/kg	0.010	0.0030	1	09/20/19 08:19	09/20/19 16:49	207-08-9	
Chrysene	**<0.0041**	mg/kg	0.014	0.0041	1	09/20/19 08:19	09/20/19 16:49	218-01-9	
Dibenz(a,h)anthracene	**<0.0027**	mg/kg	0.0090	0.0027	1	09/20/19 08:19	09/20/19 16:49	53-70-3	
Fluoranthene	**<0.0063**	mg/kg	0.021	0.0063	1	09/20/19 08:19	09/20/19 16:49	206-44-0	
Fluorene	**<0.0050**	mg/kg	0.017	0.0050	1	09/20/19 08:19	09/20/19 16:49	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0027**	mg/kg	0.0088	0.0027	1	09/20/19 08:19	09/20/19 16:49	193-39-5	
1-Methylnaphthalene	**0.022**	mg/kg	0.016	0.0049	1	09/20/19 08:19	09/20/19 16:49	90-12-0	
2-Methylnaphthalene	**0.042**	mg/kg	0.020	0.0060	1	09/20/19 08:19	09/20/19 16:49	91-57-6	
Naphthalene	**0.086**	mg/kg	0.034	0.010	1	09/20/19 08:19	09/20/19 16:49	91-20-3	
Phenanthrene	**<0.014**	mg/kg	0.047	0.014	1	09/20/19 08:19	09/20/19 16:49	85-01-8	
Pyrene	**<0.0054**	mg/kg	0.018	0.0054	1	09/20/19 08:19	09/20/19 16:49	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%	28-99		1	09/20/19 08:19	09/20/19 16:49	321-60-8	
Terphenyl-d14 (S)	62	%	10-107		1	09/20/19 08:19	09/20/19 16:49	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 18:10	71-43-2	W
Ethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 18:10	100-41-4	W
Methyl-tert-butyl ether	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 18:10	1634-04-4	W
Toluene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 18:10	108-88-3	W
1,2,4-Trimethylbenzene	**0.060J**	mg/kg	0.072	0.030	1	09/23/19 10:15	09/23/19 18:10	95-63-6	
1,3,5-Trimethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 18:10	108-67-8	W
Xylene (Total)	**<0.075**	mg/kg	0.18	0.075	1	09/23/19 10:15	09/23/19 18:10	1330-20-7	W
m&p-Xylene	**<0.050**	mg/kg	0.12	0.050	1	09/23/19 10:15	09/23/19 18:10	179601-23-1	W
o-Xylene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 18:10	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	129	%	57-146		1	09/23/19 10:15	09/23/19 18:10	1868-53-7	
4-Bromofluorobenzene (S)	114	%	54-126		1	09/23/19 10:15	09/23/19 18:10	460-00-4	
Toluene-d8 (S)	114	%	64-134		1	09/23/19 10:15	09/23/19 18:10	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.0**	%	0.10	0.10	1		09/27/19 08:53		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-7 (2'-3') **Lab ID: 40195395008** Collected: 09/16/19 14:15 Received: 09/18/19 09:55 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
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<0.0050**	mg/kg	0.017	0.0050	1	09/20/19 08:19	09/20/19 17:06	83-32-9	
Acenaphthylene	**<0.0043**	mg/kg	0.014	0.0043	1	09/20/19 08:19	09/20/19 17:06	208-96-8	
Anthracene	**<0.0074**	mg/kg	0.025	0.0074	1	09/20/19 08:19	09/20/19 17:06	120-12-7	
Benzo(a)anthracene	**<0.0041**	mg/kg	0.014	0.0041	1	09/20/19 08:19	09/20/19 17:06	56-55-3	
Benzo(a)pyrene	**<0.0033**	mg/kg	0.011	0.0033	1	09/20/19 08:19	09/20/19 17:06	50-32-8	
Benzo(b)fluoranthene	**<0.0037**	mg/kg	0.012	0.0037	1	09/20/19 08:19	09/20/19 17:06	205-99-2	
Benzo(g,h,i)perylene	**<0.0026**	mg/kg	0.0088	0.0026	1	09/20/19 08:19	09/20/19 17:06	191-24-2	
Benzo(k)fluoranthene	**<0.0033**	mg/kg	0.011	0.0033	1	09/20/19 08:19	09/20/19 17:06	207-08-9	
Chrysene	**<0.0044**	mg/kg	0.015	0.0044	1	09/20/19 08:19	09/20/19 17:06	218-01-9	
Dibenz(a,h)anthracene	**<0.0029**	mg/kg	0.0097	0.0029	1	09/20/19 08:19	09/20/19 17:06	53-70-3	
Fluoranthene	**<0.0068**	mg/kg	0.023	0.0068	1	09/20/19 08:19	09/20/19 17:06	206-44-0	
Fluorene	**<0.0054**	mg/kg	0.018	0.0054	1	09/20/19 08:19	09/20/19 17:06	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0029**	mg/kg	0.0095	0.0029	1	09/20/19 08:19	09/20/19 17:06	193-39-5	
1-Methylnaphthalene	**<0.0052**	mg/kg	0.017	0.0052	1	09/20/19 08:19	09/20/19 17:06	90-12-0	
2-Methylnaphthalene	**<0.0065**	mg/kg	0.022	0.0065	1	09/20/19 08:19	09/20/19 17:06	91-57-6	
Naphthalene	**<0.011**	mg/kg	0.037	0.011	1	09/20/19 08:19	09/20/19 17:06	91-20-3	
Phenanthrene	**<0.015**	mg/kg	0.050	0.015	1	09/20/19 08:19	09/20/19 17:06	85-01-8	
Pyrene	**<0.0059**	mg/kg	0.020	0.0059	1	09/20/19 08:19	09/20/19 17:06	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	57	%	28-99		1	09/20/19 08:19	09/20/19 17:06	321-60-8	
Terphenyl-d14 (S)	57	%	10-107		1	09/20/19 08:19	09/20/19 17:06	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 20:29	71-43-2	W
Ethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 20:29	100-41-4	W
Methyl-tert-butyl ether	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 20:29	1634-04-4	W
Toluene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 20:29	108-88-3	W
1,2,4-Trimethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 20:29	95-63-6	W
1,3,5-Trimethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 20:29	108-67-8	W
Xylene (Total)	**<0.075**	mg/kg	0.18	0.075	1	09/23/19 10:15	09/23/19 20:29	1330-20-7	W
m&p-Xylene	**<0.050**	mg/kg	0.12	0.050	1	09/23/19 10:15	09/23/19 20:29	179601-23-1	W
o-Xylene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 20:29	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	112	%	57-146		1	09/23/19 10:15	09/23/19 20:29	1868-53-7	
4-Bromofluorobenzene (S)	103	%	54-126		1	09/23/19 10:15	09/23/19 20:29	460-00-4	
Toluene-d8 (S)	104	%	64-134		1	09/23/19 10:15	09/23/19 20:29	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**23.2**	%	0.10	0.10	1		09/27/19 08:53		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-8 (2.5'-3') **Lab ID: 40195395009** Collected: 09/16/19 14:30 Received: 09/18/19 09:55 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
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<0.0030**	mg/kg	0.023	0.0030	1	09/20/19 08:19	09/23/19 10:48	83-32-9	
Acenaphthylene	**<0.0029**	mg/kg	0.023	0.0029	1	09/20/19 08:19	09/23/19 10:48	208-96-8	
Anthracene	**<0.0028**	mg/kg	0.023	0.0028	1	09/20/19 08:19	09/23/19 10:48	120-12-7	
Benzo(a)anthracene	**<0.0029**	mg/kg	0.023	0.0029	1	09/20/19 08:19	09/23/19 10:48	56-55-3	
Benzo(a)pyrene	**<0.0026**	mg/kg	0.023	0.0026	1	09/20/19 08:19	09/23/19 10:48	50-32-8	
Benzo(b)fluoranthene	**<0.0032**	mg/kg	0.023	0.0032	1	09/20/19 08:19	09/23/19 10:48	205-99-2	
Benzo(g,h,i)perylene	**<0.0040**	mg/kg	0.023	0.0040	1	09/20/19 08:19	09/23/19 10:48	191-24-2	
Benzo(k)fluoranthene	**<0.0029**	mg/kg	0.023	0.0029	1	09/20/19 08:19	09/23/19 10:48	207-08-9	
Chrysene	**<0.0043**	mg/kg	0.023	0.0043	1	09/20/19 08:19	09/23/19 10:48	218-01-9	
Dibenz(a,h)anthracene	**<0.0032**	mg/kg	0.023	0.0032	1	09/20/19 08:19	09/23/19 10:48	53-70-3	
Fluoranthene	**<0.0027**	mg/kg	0.023	0.0027	1	09/20/19 08:19	09/23/19 10:48	206-44-0	
Fluorene	**<0.0027**	mg/kg	0.023	0.0027	1	09/20/19 08:19	09/23/19 10:48	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0047**	mg/kg	0.023	0.0047	1	09/20/19 08:19	09/23/19 10:48	193-39-5	
1-Methylnaphthalene	**0.0037J**	mg/kg	0.023	0.0033	1	09/20/19 08:19	09/23/19 10:48	90-12-0	
2-Methylnaphthalene	**0.0080J**	mg/kg	0.023	0.0033	1	09/20/19 08:19	09/23/19 10:48	91-57-6	
Naphthalene	**0.012J**	mg/kg	0.023	0.0022	1	09/20/19 08:19	09/23/19 10:48	91-20-3	
Phenanthrene	**<0.0026**	mg/kg	0.023	0.0026	1	09/20/19 08:19	09/23/19 10:48	85-01-8	
Pyrene	**<0.0033**	mg/kg	0.023	0.0033	1	09/20/19 08:19	09/23/19 10:48	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	28	%	28-99		1	09/20/19 08:19	09/23/19 10:48	321-60-8	
Terphenyl-d14 (S)	34	%	10-107		1	09/20/19 08:19	09/23/19 10:48	1718-51-0	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 20:52	71-43-2	W
Ethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 20:52	100-41-4	W
Methyl-tert-butyl ether	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 20:52	1634-04-4	W
Toluene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 20:52	108-88-3	W
1,2,4-Trimethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 20:52	95-63-6	W
1,3,5-Trimethylbenzene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 20:52	108-67-8	W
Xylene (Total)	**<0.075**	mg/kg	0.18	0.075	1	09/23/19 10:15	09/23/19 20:52	1330-20-7	W
m&p-Xylene	**<0.050**	mg/kg	0.12	0.050	1	09/23/19 10:15	09/23/19 20:52	179601-23-1	W
o-Xylene	**<0.025**	mg/kg	0.060	0.025	1	09/23/19 10:15	09/23/19 20:52	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	121	%	57-146		1	09/23/19 10:15	09/23/19 20:52	1868-53-7	
4-Bromofluorobenzene (S)	109	%	54-126		1	09/23/19 10:15	09/23/19 20:52	460-00-4	
Toluene-d8 (S)	112	%	64-134		1	09/23/19 10:15	09/23/19 20:52	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**26.8**	%	0.10	0.10	1		09/24/19 13:11		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-1W **Lab ID: 40195395010** Collected: 09/16/19 12:05 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		09/19/19 18:42	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		09/19/19 18:42	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		09/19/19 18:42	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		09/19/19 18:42	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		09/19/19 18:42	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		09/19/19 18:42	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 18:42	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		09/19/19 18:42	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		09/19/19 18:42	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		09/19/19 18:42	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 18:42	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		09/19/19 18:42	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		09/19/19 18:42	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		09/19/19 18:42	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		09/19/19 18:42	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		09/19/19 18:42	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		09/19/19 18:42	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		09/19/19 18:42	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		09/19/19 18:42	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		09/19/19 18:42	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 18:42	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		09/19/19 18:42	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		09/19/19 18:42	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		09/19/19 18:42	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		09/19/19 18:42	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 18:42	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		09/19/19 18:42	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		09/19/19 18:42	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		09/19/19 18:42	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 18:42	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		09/19/19 18:42	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		09/19/19 18:42	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		09/19/19 18:42	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		09/19/19 18:42	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		09/19/19 18:42	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		09/19/19 18:42	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		09/19/19 18:42	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		09/19/19 18:42	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		09/19/19 18:42	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		09/19/19 18:42	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		09/19/19 18:42	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		09/19/19 18:42	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		09/19/19 18:42	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		09/19/19 18:42	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		09/19/19 18:42	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		09/19/19 18:42	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-1W **Lab ID: 40195395010** Collected: 09/16/19 12:05 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 18:42	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		09/19/19 18:42	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		09/19/19 18:42	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		09/19/19 18:42	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		09/19/19 18:42	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		09/19/19 18:42	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		09/19/19 18:42	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		09/19/19 18:42	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		09/19/19 18:42	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		09/19/19 18:42	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		09/19/19 18:42	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		09/19/19 18:42	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		09/19/19 18:42	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		09/19/19 18:42	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		09/19/19 18:42	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		09/19/19 18:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		09/19/19 18:42	460-00-4	HS
Dibromofluoromethane (S)	102	%	70-130		1		09/19/19 18:42	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/19/19 18:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-2W **Lab ID: 40195395011** Collected: 09/16/19 12:12 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**3.7**	ug/L	2.0	0.49	2		09/20/19 01:30	71-43-2	
Bromobenzene	**<0.48**	ug/L	2.0	0.48	2		09/20/19 01:30	108-86-1	
Bromochloromethane	**<0.72**	ug/L	10.0	0.72	2		09/20/19 01:30	74-97-5	
Bromodichloromethane	**<0.73**	ug/L	2.4	0.73	2		09/20/19 01:30	75-27-4	
Bromoform	**<7.9**	ug/L	26.5	7.9	2		09/20/19 01:30	75-25-2	
Bromomethane	**<1.9**	ug/L	10.0	1.9	2		09/20/19 01:30	74-83-9	
n-Butylbenzene	**5.5**	ug/L	4.7	1.4	2		09/20/19 01:30	104-51-8	
sec-Butylbenzene	**3.6J**	ug/L	10.0	1.7	2		09/20/19 01:30	135-98-8	
tert-Butylbenzene	**<0.61**	ug/L	2.0	0.61	2		09/20/19 01:30	98-06-6	
Carbon tetrachloride	**<0.33**	ug/L	2.0	0.33	2		09/20/19 01:30	56-23-5	
Chlorobenzene	**<1.4**	ug/L	4.7	1.4	2		09/20/19 01:30	108-90-7	
Chloroethane	**<2.7**	ug/L	10.0	2.7	2		09/20/19 01:30	75-00-3	
Chloroform	**<2.5**	ug/L	10.0	2.5	2		09/20/19 01:30	67-66-3	
Chloromethane	**<4.4**	ug/L	14.6	4.4	2		09/20/19 01:30	74-87-3	
2-Chlorotoluene	**<1.9**	ug/L	10.0	1.9	2		09/20/19 01:30	95-49-8	
4-Chlorotoluene	**<1.5**	ug/L	5.0	1.5	2		09/20/19 01:30	106-43-4	
1,2-Dibromo-3-chloropropane	**<3.5**	ug/L	11.8	3.5	2		09/20/19 01:30	96-12-8	
Dibromochloromethane	**<5.2**	ug/L	17.3	5.2	2		09/20/19 01:30	124-48-1	
1,2-Dibromoethane (EDB)	**<1.7**	ug/L	5.5	1.7	2		09/20/19 01:30	106-93-4	
Dibromomethane	**<1.9**	ug/L	6.2	1.9	2		09/20/19 01:30	74-95-3	
1,2-Dichlorobenzene	**<1.4**	ug/L	4.7	1.4	2		09/20/19 01:30	95-50-1	
1,3-Dichlorobenzene	**<1.3**	ug/L	4.2	1.3	2		09/20/19 01:30	541-73-1	
1,4-Dichlorobenzene	**<1.9**	ug/L	6.3	1.9	2		09/20/19 01:30	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	10.0	1.0	2		09/20/19 01:30	75-71-8	
1,1-Dichloroethane	**<0.55**	ug/L	2.0	0.55	2		09/20/19 01:30	75-34-3	
1,2-Dichloroethane	**2.4**	ug/L	2.0	0.56	2		09/20/19 01:30	107-06-2	
1,1-Dichloroethene	**<0.49**	ug/L	2.0	0.49	2		09/20/19 01:30	75-35-4	
cis-1,2-Dichloroethene	**<0.54**	ug/L	2.0	0.54	2		09/20/19 01:30	156-59-2	
trans-1,2-Dichloroethene	**<2.2**	ug/L	7.3	2.2	2		09/20/19 01:30	156-60-5	
1,2-Dichloropropane	**<0.57**	ug/L	2.0	0.57	2		09/20/19 01:30	78-87-5	
1,3-Dichloropropane	**<1.7**	ug/L	5.5	1.7	2		09/20/19 01:30	142-28-9	
2,2-Dichloropropane	**<4.5**	ug/L	15.1	4.5	2		09/20/19 01:30	594-20-7	
1,1-Dichloropropene	**<1.1**	ug/L	3.6	1.1	2		09/20/19 01:30	563-58-6	
cis-1,3-Dichloropropene	**<7.3**	ug/L	24.2	7.3	2		09/20/19 01:30	10061-01-5	
trans-1,3-Dichloropropene	**<8.7**	ug/L	29.1	8.7	2		09/20/19 01:30	10061-02-6	
Diisopropyl ether	**7.6J**	ug/L	12.6	3.8	2		09/20/19 01:30	108-20-3	
Ethylbenzene	**1.8J**	ug/L	2.0	0.44	2		09/20/19 01:30	100-41-4	
Hexachloro-1,3-butadiene	**<2.4**	ug/L	10.0	2.4	2		09/20/19 01:30	87-68-3	
Isopropylbenzene (Cumene)	**15.4**	ug/L	10.0	0.79	2		09/20/19 01:30	98-82-8	
p-Isopropyltoluene	**<1.6**	ug/L	5.3	1.6	2		09/20/19 01:30	99-87-6	
Methylene Chloride	**<1.2**	ug/L	10.0	1.2	2		09/20/19 01:30	75-09-2	
Methyl-tert-butyl ether	**<2.5**	ug/L	8.3	2.5	2		09/20/19 01:30	1634-04-4	
Naphthalene	**83.6**	ug/L	10.0	2.4	2		09/20/19 01:30	91-20-3	
n-Propylbenzene	**43.9**	ug/L	10.0	1.6	2		09/20/19 01:30	103-65-1	
Styrene	**<0.93**	ug/L	3.1	0.93	2		09/20/19 01:30	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.54**	ug/L	2.0	0.54	2		09/20/19 01:30	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-2W **Lab ID: 40195395011** Collected: 09/16/19 12:12 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.55**	ug/L	2.0	0.55	2		09/20/19 01:30	79-34-5	
Tetrachloroethene	**<0.65**	ug/L	2.2	0.65	2		09/20/19 01:30	127-18-4	
Toluene	**0.55J**	ug/L	10.0	0.34	2		09/20/19 01:30	108-88-3	
1,2,3-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	2		09/20/19 01:30	87-61-6	
1,2,4-Trichlorobenzene	**<1.9**	ug/L	10.0	1.9	2		09/20/19 01:30	120-82-1	
1,1,1-Trichloroethane	**<0.49**	ug/L	2.0	0.49	2		09/20/19 01:30	71-55-6	
1,1,2-Trichloroethane	**<1.1**	ug/L	10.0	1.1	2		09/20/19 01:30	79-00-5	
Trichloroethene	**<0.51**	ug/L	2.0	0.51	2		09/20/19 01:30	79-01-6	
Trichlorofluoromethane	**<0.43**	ug/L	2.0	0.43	2		09/20/19 01:30	75-69-4	
1,2,3-Trichloropropane	**<1.2**	ug/L	10.0	1.2	2		09/20/19 01:30	96-18-4	
1,2,4-Trimethylbenzene	**<1.7**	ug/L	5.6	1.7	2		09/20/19 01:30	95-63-6	
1,3,5-Trimethylbenzene	**<1.7**	ug/L	5.8	1.7	2		09/20/19 01:30	108-67-8	
Vinyl chloride	**<0.35**	ug/L	2.0	0.35	2		09/20/19 01:30	75-01-4	
Xylene (Total)	**<3.0**	ug/L	6.0	3.0	2		09/20/19 01:30	1330-20-7	
m&p-Xylene	**<0.93**	ug/L	4.0	0.93	2		09/20/19 01:30	179601-23-1	
o-Xylene	**<0.52**	ug/L	2.0	0.52	2		09/20/19 01:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		2		09/20/19 01:30	460-00-4	HS,pH
Dibromofluoromethane (S)	102	%	70-130		2		09/20/19 01:30	1868-53-7	
Toluene-d8 (S)	100	%	70-130		2		09/20/19 01:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-3W **Lab ID: 40195395012** Collected: 09/16/19 12:15 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**11.6**	ug/L	1.0	0.25	1		09/20/19 07:10	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		09/20/19 07:10	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		09/20/19 07:10	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		09/20/19 07:10	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		09/20/19 07:10	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		09/20/19 07:10	74-83-9	
n-Butylbenzene	**7.9**	ug/L	2.4	0.71	1		09/20/19 07:10	104-51-8	
sec-Butylbenzene	**9.3**	ug/L	5.0	0.85	1		09/20/19 07:10	135-98-8	
tert-Butylbenzene	**0.91J**	ug/L	1.0	0.30	1		09/20/19 07:10	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		09/20/19 07:10	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		09/20/19 07:10	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		09/20/19 07:10	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		09/20/19 07:10	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		09/20/19 07:10	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		09/20/19 07:10	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		09/20/19 07:10	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		09/20/19 07:10	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		09/20/19 07:10	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		09/20/19 07:10	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		09/20/19 07:10	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		09/20/19 07:10	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		09/20/19 07:10	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		09/20/19 07:10	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		09/20/19 07:10	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		09/20/19 07:10	75-34-3	
1,2-Dichloroethane	**3.2**	ug/L	1.0	0.28	1		09/20/19 07:10	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		09/20/19 07:10	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		09/20/19 07:10	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		09/20/19 07:10	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		09/20/19 07:10	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		09/20/19 07:10	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		09/20/19 07:10	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		09/20/19 07:10	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		09/20/19 07:10	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		09/20/19 07:10	10061-02-6	
Diisopropyl ether	**3.1J**	ug/L	6.3	1.9	1		09/20/19 07:10	108-20-3	
Ethylbenzene	**1.7**	ug/L	1.0	0.22	1		09/20/19 07:10	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		09/20/19 07:10	87-68-3	
Isopropylbenzene (Cumene)	**24.6**	ug/L	5.0	0.39	1		09/20/19 07:10	98-82-8	
p-Isopropyltoluene	**0.98J**	ug/L	2.7	0.80	1		09/20/19 07:10	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		09/20/19 07:10	75-09-2	
Methyl-tert-butyl ether	**13.4**	ug/L	4.2	1.2	1		09/20/19 07:10	1634-04-4	
Naphthalene	**92.6**	ug/L	5.0	1.2	1		09/20/19 07:10	91-20-3	
n-Propylbenzene	**35.3**	ug/L	5.0	0.81	1		09/20/19 07:10	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		09/20/19 07:10	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		09/20/19 07:10	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-3W **Lab ID: 40195395012** Collected: 09/16/19 12:15 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		09/20/19 07:10	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		09/20/19 07:10	127-18-4	
Toluene	**2.5J**	ug/L	5.0	0.17	1		09/20/19 07:10	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		09/20/19 07:10	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		09/20/19 07:10	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		09/20/19 07:10	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		09/20/19 07:10	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		09/20/19 07:10	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		09/20/19 07:10	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		09/20/19 07:10	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		09/20/19 07:10	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		09/20/19 07:10	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		09/20/19 07:10	75-01-4	
Xylene (Total)	**2.5J**	ug/L	3.0	1.5	1		09/20/19 07:10	1330-20-7	
m&p-Xylene	**1.8J**	ug/L	2.0	0.47	1		09/20/19 07:10	179601-23-1	
o-Xylene	**0.68J**	ug/L	1.0	0.26	1		09/20/19 07:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		09/20/19 07:10	460-00-4	HS,pH
Dibromofluoromethane (S)	99	%	70-130		1		09/20/19 07:10	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		09/20/19 07:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-4W **Lab ID: 40195395013** Collected: 09/16/19 12:20 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1.4**	ug/L	1.0	0.25	1		09/19/19 19:04	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		09/19/19 19:04	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		09/19/19 19:04	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		09/19/19 19:04	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		09/19/19 19:04	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		09/19/19 19:04	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 19:04	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		09/19/19 19:04	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		09/19/19 19:04	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		09/19/19 19:04	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 19:04	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		09/19/19 19:04	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		09/19/19 19:04	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		09/19/19 19:04	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		09/19/19 19:04	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		09/19/19 19:04	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		09/19/19 19:04	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		09/19/19 19:04	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		09/19/19 19:04	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		09/19/19 19:04	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 19:04	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		09/19/19 19:04	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		09/19/19 19:04	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		09/19/19 19:04	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		09/19/19 19:04	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 19:04	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		09/19/19 19:04	75-35-4	
cis-1,2-Dichloroethene	**13.1**	ug/L	1.0	0.27	1		09/19/19 19:04	156-59-2	
trans-1,2-Dichloroethene	**1.4J**	ug/L	3.6	1.1	1		09/19/19 19:04	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 19:04	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		09/19/19 19:04	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		09/19/19 19:04	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		09/19/19 19:04	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		09/19/19 19:04	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		09/19/19 19:04	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		09/19/19 19:04	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		09/19/19 19:04	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		09/19/19 19:04	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		09/19/19 19:04	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		09/19/19 19:04	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		09/19/19 19:04	75-09-2	
Methyl-tert-butyl ether	**86.6**	ug/L	4.2	1.2	1		09/19/19 19:04	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		09/19/19 19:04	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		09/19/19 19:04	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		09/19/19 19:04	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		09/19/19 19:04	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-4W **Lab ID: 40195395013** Collected: 09/16/19 12:20 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 19:04	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		09/19/19 19:04	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		09/19/19 19:04	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		09/19/19 19:04	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		09/19/19 19:04	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		09/19/19 19:04	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		09/19/19 19:04	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		09/19/19 19:04	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		09/19/19 19:04	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		09/19/19 19:04	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		09/19/19 19:04	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		09/19/19 19:04	108-67-8	
Vinyl chloride	**0.72J**	ug/L	1.0	0.17	1		09/19/19 19:04	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		09/19/19 19:04	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		09/19/19 19:04	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		09/19/19 19:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		09/19/19 19:04	460-00-4	HS
Dibromofluoromethane (S)	99	%	70-130		1		09/19/19 19:04	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/19/19 19:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-5W **Lab ID: 40195395014** Collected: 09/16/19 15:05 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		09/19/19 19:25	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		09/19/19 19:25	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		09/19/19 19:25	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		09/19/19 19:25	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		09/19/19 19:25	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		09/19/19 19:25	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 19:25	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		09/19/19 19:25	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		09/19/19 19:25	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		09/19/19 19:25	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 19:25	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		09/19/19 19:25	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		09/19/19 19:25	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		09/19/19 19:25	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		09/19/19 19:25	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		09/19/19 19:25	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		09/19/19 19:25	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		09/19/19 19:25	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		09/19/19 19:25	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		09/19/19 19:25	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 19:25	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		09/19/19 19:25	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		09/19/19 19:25	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		09/19/19 19:25	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		09/19/19 19:25	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 19:25	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		09/19/19 19:25	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		09/19/19 19:25	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		09/19/19 19:25	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 19:25	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		09/19/19 19:25	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		09/19/19 19:25	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		09/19/19 19:25	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		09/19/19 19:25	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		09/19/19 19:25	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		09/19/19 19:25	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		09/19/19 19:25	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		09/19/19 19:25	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		09/19/19 19:25	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		09/19/19 19:25	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		09/19/19 19:25	75-09-2	
Methyl-tert-butyl ether	**178**	ug/L	4.2	1.2	1		09/19/19 19:25	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		09/19/19 19:25	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		09/19/19 19:25	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		09/19/19 19:25	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		09/19/19 19:25	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-5W **Lab ID: 40195395014** Collected: 09/16/19 15:05 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 19:25	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		09/19/19 19:25	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		09/19/19 19:25	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		09/19/19 19:25	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		09/19/19 19:25	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		09/19/19 19:25	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		09/19/19 19:25	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		09/19/19 19:25	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		09/19/19 19:25	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		09/19/19 19:25	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		09/19/19 19:25	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		09/19/19 19:25	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		09/19/19 19:25	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		09/19/19 19:25	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		09/19/19 19:25	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		09/19/19 19:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		09/19/19 19:25	460-00-4	HS
Dibromofluoromethane (S)	103	%	70-130		1		09/19/19 19:25	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/19/19 19:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-6W **Lab ID: 40195395015** Collected: 09/16/19 15:10 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**169**	ug/L	4.0	0.99	4		09/20/19 02:13	71-43-2	
Bromobenzene	**<0.96**	ug/L	4.0	0.96	4		09/20/19 02:13	108-86-1	
Bromochloromethane	**<1.4**	ug/L	20.0	1.4	4		09/20/19 02:13	74-97-5	
Bromodichloromethane	**<1.5**	ug/L	4.8	1.5	4		09/20/19 02:13	75-27-4	
Bromoform	**<15.9**	ug/L	53.0	15.9	4		09/20/19 02:13	75-25-2	
Bromomethane	**<3.9**	ug/L	20.0	3.9	4		09/20/19 02:13	74-83-9	
n-Butylbenzene	**<2.8**	ug/L	9.4	2.8	4		09/20/19 02:13	104-51-8	
sec-Butylbenzene	**<3.4**	ug/L	20.0	3.4	4		09/20/19 02:13	135-98-8	
tert-Butylbenzene	**<1.2**	ug/L	4.1	1.2	4		09/20/19 02:13	98-06-6	
Carbon tetrachloride	**<0.66**	ug/L	4.0	0.66	4		09/20/19 02:13	56-23-5	
Chlorobenzene	**<2.8**	ug/L	9.5	2.8	4		09/20/19 02:13	108-90-7	
Chloroethane	**<5.4**	ug/L	20.0	5.4	4		09/20/19 02:13	75-00-3	
Chloroform	**<5.1**	ug/L	20.0	5.1	4		09/20/19 02:13	67-66-3	
Chloromethane	**<8.8**	ug/L	29.2	8.8	4		09/20/19 02:13	74-87-3	
2-Chlorotoluene	**<3.7**	ug/L	20.0	3.7	4		09/20/19 02:13	95-49-8	
4-Chlorotoluene	**<3.0**	ug/L	10.1	3.0	4		09/20/19 02:13	106-43-4	
1,2-Dibromo-3-chloropropane	**<7.1**	ug/L	23.5	7.1	4		09/20/19 02:13	96-12-8	
Dibromochloromethane	**<10.4**	ug/L	34.7	10.4	4		09/20/19 02:13	124-48-1	
1,2-Dibromoethane (EDB)	**<3.3**	ug/L	11.1	3.3	4		09/20/19 02:13	106-93-4	
Dibromomethane	**<3.7**	ug/L	12.5	3.7	4		09/20/19 02:13	74-95-3	
1,2-Dichlorobenzene	**<2.8**	ug/L	9.4	2.8	4		09/20/19 02:13	95-50-1	
1,3-Dichlorobenzene	**<2.5**	ug/L	8.4	2.5	4		09/20/19 02:13	541-73-1	
1,4-Dichlorobenzene	**<3.8**	ug/L	12.6	3.8	4		09/20/19 02:13	106-46-7	
Dichlorodifluoromethane	**<2.0**	ug/L	20.0	2.0	4		09/20/19 02:13	75-71-8	
1,1-Dichloroethane	**<1.1**	ug/L	4.0	1.1	4		09/20/19 02:13	75-34-3	
1,2-Dichloroethane	**<1.1**	ug/L	4.0	1.1	4		09/20/19 02:13	107-06-2	
1,1-Dichloroethene	**<0.98**	ug/L	4.0	0.98	4		09/20/19 02:13	75-35-4	
cis-1,2-Dichloroethene	**<1.1**	ug/L	4.0	1.1	4		09/20/19 02:13	156-59-2	
trans-1,2-Dichloroethene	**<4.4**	ug/L	14.5	4.4	4		09/20/19 02:13	156-60-5	
1,2-Dichloropropane	**<1.1**	ug/L	4.0	1.1	4		09/20/19 02:13	78-87-5	
1,3-Dichloropropane	**<3.3**	ug/L	11.0	3.3	4		09/20/19 02:13	142-28-9	
2,2-Dichloropropane	**<9.1**	ug/L	30.2	9.1	4		09/20/19 02:13	594-20-7	
1,1-Dichloropropene	**<2.2**	ug/L	7.2	2.2	4		09/20/19 02:13	563-58-6	
cis-1,3-Dichloropropene	**<14.5**	ug/L	48.4	14.5	4		09/20/19 02:13	10061-01-5	
trans-1,3-Dichloropropene	**<17.5**	ug/L	58.3	17.5	4		09/20/19 02:13	10061-02-6	
Diisopropyl ether	**<7.6**	ug/L	25.2	7.6	4		09/20/19 02:13	108-20-3	
Ethylbenzene	**1.3J**	ug/L	4.0	0.87	4		09/20/19 02:13	100-41-4	
Hexachloro-1,3-butadiene	**<4.7**	ug/L	20.0	4.7	4		09/20/19 02:13	87-68-3	
Isopropylbenzene (Cumene)	**<1.6**	ug/L	20.0	1.6	4		09/20/19 02:13	98-82-8	
p-Isopropyltoluene	**<3.2**	ug/L	10.7	3.2	4		09/20/19 02:13	99-87-6	
Methylene Chloride	**<2.3**	ug/L	20.0	2.3	4		09/20/19 02:13	75-09-2	
Methyl-tert-butyl ether	**233**	ug/L	16.6	5.0	4		09/20/19 02:13	1634-04-4	
Naphthalene	**<4.7**	ug/L	20.0	4.7	4		09/20/19 02:13	91-20-3	
n-Propylbenzene	**<3.2**	ug/L	20.0	3.2	4		09/20/19 02:13	103-65-1	
Styrene	**<1.9**	ug/L	6.2	1.9	4		09/20/19 02:13	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.1**	ug/L	4.0	1.1	4		09/20/19 02:13	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-6W **Lab ID: 40195395015** Collected: 09/16/19 15:10 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<1.1**	ug/L	4.0	1.1	4		09/20/19 02:13	79-34-5	
Tetrachloroethene	**<1.3**	ug/L	4.4	1.3	4		09/20/19 02:13	127-18-4	
Toluene	**1.1J**	ug/L	20.0	0.69	4		09/20/19 02:13	108-88-3	
1,2,3-Trichlorobenzene	**<2.5**	ug/L	20.0	2.5	4		09/20/19 02:13	87-61-6	
1,2,4-Trichlorobenzene	**<3.8**	ug/L	20.0	3.8	4		09/20/19 02:13	120-82-1	
1,1,1-Trichloroethane	**<0.98**	ug/L	4.0	0.98	4		09/20/19 02:13	71-55-6	
1,1,2-Trichloroethane	**<2.2**	ug/L	20.0	2.2	4		09/20/19 02:13	79-00-5	
Trichloroethene	**<1.0**	ug/L	4.0	1.0	4		09/20/19 02:13	79-01-6	
Trichlorofluoromethane	**<0.86**	ug/L	4.0	0.86	4		09/20/19 02:13	75-69-4	
1,2,3-Trichloropropane	**<2.4**	ug/L	20.0	2.4	4		09/20/19 02:13	96-18-4	
1,2,4-Trimethylbenzene	**<3.4**	ug/L	11.2	3.4	4		09/20/19 02:13	95-63-6	
1,3,5-Trimethylbenzene	**<3.5**	ug/L	11.6	3.5	4		09/20/19 02:13	108-67-8	
Vinyl chloride	**<0.70**	ug/L	4.0	0.70	4		09/20/19 02:13	75-01-4	
Xylene (Total)	**14.6**	ug/L	12.0	6.0	4		09/20/19 02:13	1330-20-7	
m&p-Xylene	**13.9**	ug/L	8.0	1.9	4		09/20/19 02:13	179601-23-1	
o-Xylene	**<1.0**	ug/L	4.0	1.0	4		09/20/19 02:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		4		09/20/19 02:13	460-00-4	HS,pH
Dibromofluoromethane (S)	101	%	70-130		4		09/20/19 02:13	1868-53-7	
Toluene-d8 (S)	99	%	70-130		4		09/20/19 02:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-7W **Lab ID: 40195395016** Collected: 09/16/19 15:15 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		09/19/19 19:47	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		09/19/19 19:47	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		09/19/19 19:47	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		09/19/19 19:47	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		09/19/19 19:47	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		09/19/19 19:47	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 19:47	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		09/19/19 19:47	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		09/19/19 19:47	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		09/19/19 19:47	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 19:47	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		09/19/19 19:47	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		09/19/19 19:47	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		09/19/19 19:47	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		09/19/19 19:47	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		09/19/19 19:47	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		09/19/19 19:47	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		09/19/19 19:47	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		09/19/19 19:47	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		09/19/19 19:47	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 19:47	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		09/19/19 19:47	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		09/19/19 19:47	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		09/19/19 19:47	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		09/19/19 19:47	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 19:47	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		09/19/19 19:47	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		09/19/19 19:47	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		09/19/19 19:47	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 19:47	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		09/19/19 19:47	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		09/19/19 19:47	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		09/19/19 19:47	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		09/19/19 19:47	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		09/19/19 19:47	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		09/19/19 19:47	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		09/19/19 19:47	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		09/19/19 19:47	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		09/19/19 19:47	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		09/19/19 19:47	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		09/19/19 19:47	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		09/19/19 19:47	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		09/19/19 19:47	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		09/19/19 19:47	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		09/19/19 19:47	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		09/19/19 19:47	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-7W **Lab ID: 40195395016** Collected: 09/16/19 15:15 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 19:47	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		09/19/19 19:47	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		09/19/19 19:47	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		09/19/19 19:47	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		09/19/19 19:47	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		09/19/19 19:47	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		09/19/19 19:47	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		09/19/19 19:47	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		09/19/19 19:47	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		09/19/19 19:47	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		09/19/19 19:47	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		09/19/19 19:47	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		09/19/19 19:47	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		09/19/19 19:47	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		09/19/19 19:47	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		09/19/19 19:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		09/19/19 19:47	460-00-4	HS
Dibromofluoromethane (S)	103	%	70-130		1		09/19/19 19:47	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/19/19 19:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-8W **Lab ID: 40195395017** Collected: 09/16/19 15:20 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		09/19/19 20:08	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		09/19/19 20:08	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		09/19/19 20:08	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		09/19/19 20:08	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		09/19/19 20:08	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		09/19/19 20:08	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 20:08	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		09/19/19 20:08	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		09/19/19 20:08	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		09/19/19 20:08	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 20:08	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		09/19/19 20:08	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		09/19/19 20:08	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		09/19/19 20:08	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		09/19/19 20:08	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		09/19/19 20:08	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		09/19/19 20:08	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		09/19/19 20:08	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		09/19/19 20:08	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		09/19/19 20:08	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 20:08	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		09/19/19 20:08	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		09/19/19 20:08	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		09/19/19 20:08	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		09/19/19 20:08	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 20:08	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		09/19/19 20:08	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		09/19/19 20:08	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		09/19/19 20:08	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 20:08	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		09/19/19 20:08	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		09/19/19 20:08	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		09/19/19 20:08	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		09/19/19 20:08	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		09/19/19 20:08	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		09/19/19 20:08	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		09/19/19 20:08	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		09/19/19 20:08	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		09/19/19 20:08	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		09/19/19 20:08	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		09/19/19 20:08	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		09/19/19 20:08	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		09/19/19 20:08	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		09/19/19 20:08	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		09/19/19 20:08	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		09/19/19 20:08	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: DP-8W **Lab ID: 40195395017** Collected: 09/16/19 15:20 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 20:08	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		09/19/19 20:08	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		09/19/19 20:08	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		09/19/19 20:08	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		09/19/19 20:08	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		09/19/19 20:08	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		09/19/19 20:08	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		09/19/19 20:08	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		09/19/19 20:08	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		09/19/19 20:08	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		09/19/19 20:08	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		09/19/19 20:08	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		09/19/19 20:08	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		09/19/19 20:08	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		09/19/19 20:08	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		09/19/19 20:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		09/19/19 20:08	460-00-4	HS
Dibromofluoromethane (S)	102	%	70-130		1		09/19/19 20:08	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/19/19 20:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: TRIP BLANK **Lab ID: 40195395018** Collected: 09/16/19 00:00 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		09/19/19 20:51	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		09/19/19 20:51	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		09/19/19 20:51	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		09/19/19 20:51	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		09/19/19 20:51	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		09/19/19 20:51	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 20:51	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		09/19/19 20:51	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		09/19/19 20:51	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		09/19/19 20:51	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 20:51	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		09/19/19 20:51	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		09/19/19 20:51	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		09/19/19 20:51	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		09/19/19 20:51	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		09/19/19 20:51	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		09/19/19 20:51	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		09/19/19 20:51	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		09/19/19 20:51	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		09/19/19 20:51	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		09/19/19 20:51	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		09/19/19 20:51	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		09/19/19 20:51	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		09/19/19 20:51	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		09/19/19 20:51	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 20:51	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		09/19/19 20:51	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		09/19/19 20:51	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		09/19/19 20:51	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 20:51	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		09/19/19 20:51	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		09/19/19 20:51	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		09/19/19 20:51	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		09/19/19 20:51	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		09/19/19 20:51	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		09/19/19 20:51	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		09/19/19 20:51	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		09/19/19 20:51	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		09/19/19 20:51	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		09/19/19 20:51	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		09/19/19 20:51	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		09/19/19 20:51	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		09/19/19 20:51	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		09/19/19 20:51	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		09/19/19 20:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		09/19/19 20:51	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Sample: TRIP BLANK **Lab ID: 40195395018** Collected: 09/16/19 00:00 Received: 09/18/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		09/19/19 20:51	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		09/19/19 20:51	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		09/19/19 20:51	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		09/19/19 20:51	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		09/19/19 20:51	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		09/19/19 20:51	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		09/19/19 20:51	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		09/19/19 20:51	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		09/19/19 20:51	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		09/19/19 20:51	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		09/19/19 20:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		09/19/19 20:51	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		09/19/19 20:51	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		09/19/19 20:51	1330-20-7	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		09/19/19 20:51	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		09/19/19 20:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		09/19/19 20:51	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		09/19/19 20:51	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		09/19/19 20:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

QC Batch: 334715 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List
Associated Lab Samples: 40195395002, 40195395003, 40195395004, 40195395005, 40195395006

METHOD BLANK: 1943409 Matrix: Solid
Associated Lab Samples: 40195395002, 40195395003, 40195395004, 40195395005, 40195395006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	mg/kg	<0.012	0.050	09/20/19 16:34	
1,3,5-Trimethylbenzene	mg/kg	<0.014	0.050	09/20/19 16:34	
Benzene	mg/kg	<0.0092	0.020	09/20/19 16:34	
Ethylbenzene	mg/kg	<0.012	0.050	09/20/19 16:34	
m&p-Xylene	mg/kg	<0.034	0.10	09/20/19 16:34	
Methyl-tert-butyl ether	mg/kg	<0.013	0.050	09/20/19 16:34	
o-Xylene	mg/kg	<0.014	0.050	09/20/19 16:34	
Toluene	mg/kg	<0.011	0.050	09/20/19 16:34	
Xylene (Total)	mg/kg	<0.048	0.15	09/20/19 16:34	
4-Bromofluorobenzene (S)	%	106	54-126	09/20/19 16:34	
Dibromofluoromethane (S)	%	112	57-146	09/20/19 16:34	
Toluene-d8 (S)	%	114	64-134	09/20/19 16:34	

LABORATORY CONTROL SAMPLE: 1943410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	mg/kg	2.5	2.1	83	70-130	
Ethylbenzene	mg/kg	2.5	2.7	106	82-122	
m&p-Xylene	mg/kg	5	5.2	105	70-130	
Methyl-tert-butyl ether	mg/kg	2.5	2.9	115	70-130	
o-Xylene	mg/kg	2.5	2.7	106	70-130	
Toluene	mg/kg	2.5	2.6	105	80-121	
Xylene (Total)	mg/kg	7.5	7.9	105	70-130	
4-Bromofluorobenzene (S)	%			113	54-126	
Dibromofluoromethane (S)	%			106	57-146	
Toluene-d8 (S)	%			111	64-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1943411 1943412

Parameter	Units	40195172003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	mg/kg	<25.0 ug/kg	1.2	1.2	1.1	1.1	85	88	70-130	3	20	
Ethylbenzene	mg/kg	<25.0 ug/kg	1.2	1.2	1.3	1.3	102	102	80-122	0	20	
m&p-Xylene	mg/kg	<50.0 ug/kg	2.5	2.5	2.6	2.5	103	101	70-130	1	20	
Methyl-tert-butyl ether	mg/kg	<25.0 ug/kg	1.2	1.2	1.5	1.2	119	99	70-130	18	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1943411 1943412

Parameter	Units	40195172003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
o-Xylene	mg/kg	<25.0 ug/kg	1.2	1.2	1.3	1.3	106	102	70-130	4	20	
Toluene	mg/kg	<25.0 ug/kg	1.2	1.2	1.3	1.3	105	103	80-121	2	20	
Xylene (Total)	mg/kg	<75.0 ug/kg	3.8	3.8	3.9	3.8	104	101	70-130	2	20	
4-Bromofluorobenzene (S)	%						113	113	54-126			
Dibromofluoromethane (S)	%						110	110	57-146			
Toluene-d8 (S)	%						110	107	64-134			

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

QC Batch: 334883 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List
Associated Lab Samples: 40195395001, 40195395007, 40195395008, 40195395009

METHOD BLANK: 1944873 Matrix: Solid
Associated Lab Samples: 40195395001, 40195395007, 40195395008, 40195395009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	mg/kg	<0.012	0.050	09/23/19 15:51	
1,3,5-Trimethylbenzene	mg/kg	<0.014	0.050	09/23/19 15:51	
Benzene	mg/kg	<0.0092	0.020	09/23/19 15:51	
Ethylbenzene	mg/kg	<0.012	0.050	09/23/19 15:51	
m&p-Xylene	mg/kg	<0.034	0.10	09/23/19 15:51	
Methyl-tert-butyl ether	mg/kg	<0.013	0.050	09/23/19 15:51	
o-Xylene	mg/kg	<0.014	0.050	09/23/19 15:51	
Toluene	mg/kg	<0.011	0.050	09/23/19 15:51	
Xylene (Total)	mg/kg	<0.048	0.15	09/23/19 15:51	
4-Bromofluorobenzene (S)	%	102	54-126	09/23/19 15:51	
Dibromofluoromethane (S)	%	118	57-146	09/23/19 15:51	
Toluene-d8 (S)	%	103	64-134	09/23/19 15:51	

LABORATORY CONTROL SAMPLE: 1944874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	mg/kg	2.5	2.7	108	70-130	
Ethylbenzene	mg/kg	2.5	2.6	106	82-122	
m&p-Xylene	mg/kg	5	5.4	109	70-130	
Methyl-tert-butyl ether	mg/kg	2.5	2.9	117	70-130	
o-Xylene	mg/kg	2.5	2.7	108	70-130	
Toluene	mg/kg	2.5	2.7	108	80-121	
Xylene (Total)	mg/kg	7.5	8.1	108	70-130	
4-Bromofluorobenzene (S)	%			109	54-126	
Dibromofluoromethane (S)	%			124	57-146	
Toluene-d8 (S)	%			107	64-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1944875 1944876

Parameter	Units	40195395007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	mg/kg	<0.025	1.4	1.4	1.5	1.5	102	102	70-130	0	20	
Ethylbenzene	mg/kg	<0.025	1.4	1.4	1.5	1.5	101	101	80-122	0	20	
m&p-Xylene	mg/kg	<0.050	3	3	3.2	3.2	105	105	70-130	0	20	
Methyl-tert-butyl ether	mg/kg	<0.025	1.4	1.4	1.7	1.7	115	112	70-130	2	20	
o-Xylene	mg/kg	<0.025	1.4	1.4	1.6	1.6	104	105	70-130	0	20	
Toluene	mg/kg	<0.025	1.4	1.4	1.5	1.6	102	103	80-121	1	20	
Xylene (Total)	mg/kg	<0.075	4.6	4.6	4.7	4.7	105	105	70-130	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1944875 1944876

Parameter	Units	40195395007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Bromofluorobenzene (S)	%						110	111	54-126			
Dibromofluoromethane (S)	%						128	127	57-146			
Toluene-d8 (S)	%						111	112	64-134			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

QC Batch: 334513 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40195395010, 40195395011, 40195395012, 40195395013, 40195395014, 40195395015, 40195395016, 40195395017, 40195395018

METHOD BLANK: 1942208 Matrix: Water
Associated Lab Samples: 40195395010, 40195395011, 40195395012, 40195395013, 40195395014, 40195395015, 40195395016, 40195395017, 40195395018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	09/19/19 15:08	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	09/19/19 15:08	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	09/19/19 15:08	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	09/19/19 15:08	
1,1-Dichloroethane	ug/L	<0.27	1.0	09/19/19 15:08	
1,1-Dichloroethene	ug/L	<0.24	1.0	09/19/19 15:08	
1,1-Dichloropropene	ug/L	<0.54	1.8	09/19/19 15:08	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	09/19/19 15:08	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	09/19/19 15:08	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	09/19/19 15:08	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	09/19/19 15:08	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	09/19/19 15:08	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	09/19/19 15:08	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	09/19/19 15:08	
1,2-Dichloroethane	ug/L	<0.28	1.0	09/19/19 15:08	
1,2-Dichloropropane	ug/L	<0.28	1.0	09/19/19 15:08	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	09/19/19 15:08	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	09/19/19 15:08	
1,3-Dichloropropane	ug/L	<0.83	2.8	09/19/19 15:08	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	09/19/19 15:08	
2,2-Dichloropropane	ug/L	<2.3	7.6	09/19/19 15:08	
2-Chlorotoluene	ug/L	<0.93	5.0	09/19/19 15:08	
4-Chlorotoluene	ug/L	<0.76	2.5	09/19/19 15:08	
Benzene	ug/L	<0.25	1.0	09/19/19 15:08	
Bromobenzene	ug/L	<0.24	1.0	09/19/19 15:08	
Bromochloromethane	ug/L	<0.36	5.0	09/19/19 15:08	
Bromodichloromethane	ug/L	<0.36	1.2	09/19/19 15:08	
Bromoform	ug/L	<4.0	13.2	09/19/19 15:08	
Bromomethane	ug/L	<0.97	5.0	09/19/19 15:08	
Carbon tetrachloride	ug/L	<0.17	1.0	09/19/19 15:08	
Chlorobenzene	ug/L	<0.71	2.4	09/19/19 15:08	
Chloroethane	ug/L	<1.3	5.0	09/19/19 15:08	
Chloroform	ug/L	<1.3	5.0	09/19/19 15:08	
Chloromethane	ug/L	<2.2	7.3	09/19/19 15:08	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	09/19/19 15:08	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	09/19/19 15:08	
Dibromochloromethane	ug/L	<2.6	8.7	09/19/19 15:08	
Dibromomethane	ug/L	<0.94	3.1	09/19/19 15:08	
Dichlorodifluoromethane	ug/L	<0.50	5.0	09/19/19 15:08	
Diisopropyl ether	ug/L	<1.9	6.3	09/19/19 15:08	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

METHOD BLANK: 1942208 Matrix: Water

Associated Lab Samples: 40195395010, 40195395011, 40195395012, 40195395013, 40195395014, 40195395015, 40195395016, 40195395017, 40195395018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	1.0	09/19/19 15:08	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	09/19/19 15:08	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	09/19/19 15:08	
m&p-Xylene	ug/L	<0.47	2.0	09/19/19 15:08	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	09/19/19 15:08	
Methylene Chloride	ug/L	<0.58	5.0	09/19/19 15:08	
n-Butylbenzene	ug/L	<0.71	2.4	09/19/19 15:08	
n-Propylbenzene	ug/L	<0.81	5.0	09/19/19 15:08	
Naphthalene	ug/L	<1.2	5.0	09/19/19 15:08	
o-Xylene	ug/L	<0.26	1.0	09/19/19 15:08	
p-Isopropyltoluene	ug/L	<0.80	2.7	09/19/19 15:08	
sec-Butylbenzene	ug/L	<0.85	5.0	09/19/19 15:08	
Styrene	ug/L	<0.47	1.6	09/19/19 15:08	
tert-Butylbenzene	ug/L	<0.30	1.0	09/19/19 15:08	
Tetrachloroethene	ug/L	<0.33	1.1	09/19/19 15:08	
Toluene	ug/L	<0.17	5.0	09/19/19 15:08	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	09/19/19 15:08	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	09/19/19 15:08	
Trichloroethene	ug/L	<0.26	1.0	09/19/19 15:08	
Trichlorofluoromethane	ug/L	<0.21	1.0	09/19/19 15:08	
Vinyl chloride	ug/L	<0.17	1.0	09/19/19 15:08	
Xylene (Total)	ug/L	<1.5	3.0	09/19/19 15:08	
4-Bromofluorobenzene (S)	%	88	70-130	09/19/19 15:08	
Dibromofluoromethane (S)	%	100	70-130	09/19/19 15:08	
Toluene-d8 (S)	%	99	70-130	09/19/19 15:08	

LABORATORY CONTROL SAMPLE: 1942209

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.6	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.9	106	70-130	
1,1,2-Trichloroethane	ug/L	50	49.8	100	70-130	
1,1-Dichloroethane	ug/L	50	69.7	139	73-150	
1,1-Dichloroethene	ug/L	50	60.3	121	73-138	
1,2,4-Trichlorobenzene	ug/L	50	41.5	83	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.0	90	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	49.6	99	70-130	
1,2-Dichlorobenzene	ug/L	50	46.2	92	70-130	
1,2-Dichloroethane	ug/L	50	49.7	99	75-140	
1,2-Dichloropropane	ug/L	50	47.9	96	73-135	
1,3-Dichlorobenzene	ug/L	50	45.2	90	70-130	
1,4-Dichlorobenzene	ug/L	50	44.1	88	70-130	
Benzene	ug/L	50	48.7	97	70-130	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

LABORATORY CONTROL SAMPLE: 1942209

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	50	46.6	93	70-130	
Bromoform	ug/L	50	44.3	89	68-129	
Bromomethane	ug/L	50	35.4	71	18-159	
Carbon tetrachloride	ug/L	50	42.5	85	70-130	
Chlorobenzene	ug/L	50	49.0	98	70-130	
Chloroethane	ug/L	50	49.7	99	53-147	
Chloroform	ug/L	50	46.8	94	74-136	
Chloromethane	ug/L	50	46.6	93	29-115	
cis-1,2-Dichloroethene	ug/L	50	47.6	95	70-130	
cis-1,3-Dichloropropene	ug/L	50	45.0	90	70-130	
Dibromochloromethane	ug/L	50	53.0	106	70-130	
Dichlorodifluoromethane	ug/L	50	30.1	60	10-130	
Ethylbenzene	ug/L	50	48.3	97	80-124	
Isopropylbenzene (Cumene)	ug/L	50	46.9	94	70-130	
m&p-Xylene	ug/L	100	97.8	98	70-130	
Methyl-tert-butyl ether	ug/L	50	58.1	116	54-137	
Methylene Chloride	ug/L	50	60.0	120	73-138	
o-Xylene	ug/L	50	47.3	95	70-130	
Styrene	ug/L	50	54.6	109	70-130	
Tetrachloroethene	ug/L	50	44.9	90	70-130	
Toluene	ug/L	50	47.1	94	80-126	
trans-1,2-Dichloroethene	ug/L	50	65.2	130	73-145	
trans-1,3-Dichloropropene	ug/L	50	47.8	96	70-130	
Trichloroethene	ug/L	50	47.1	94	70-130	
Trichlorofluoromethane	ug/L	50	51.9	104	76-147	
Vinyl chloride	ug/L	50	45.5	91	51-120	
Xylene (Total)	ug/L	150	145	97	70-130	
4-Bromofluorobenzene (S)	%			94	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1942436 1942437

Parameter	Units	40195402003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.00024 mg/L	50	50	48.8	50.1	98	100	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.00028 mg/L	50	50	53.5	53.6	107	107	70-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.00055 mg/L	50	50	50.7	50.7	101	101	70-137	0	20	
1,1-Dichloroethane	ug/L	<0.00027 mg/L	50	50	69.4	69.8	139	140	73-153	0	20	
1,1-Dichloroethene	ug/L	<0.00024 mg/L	50	50	59.2	60.8	118	122	73-138	3	20	
1,2,4-Trichlorobenzene	ug/L	<0.00095 mg/L	50	50	42.9	42.6	86	85	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1942436 1942437

Parameter	Units	40195402003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	<0.0018 mg/L	50	50	45.2	44.7	90	89	58-129	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.00083 mg/L	50	50	50.1	49.7	100	99	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.00071 mg/L	50	50	47.5	46.9	95	94	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.00028 mg/L	50	50	50.5	50.6	101	101	75-140	0	20	
1,2-Dichloropropane	ug/L	<0.00028 mg/L	50	50	45.9	46.7	92	93	71-138	2	20	
1,3-Dichlorobenzene	ug/L	<0.00063 mg/L	50	50	45.7	45.0	91	90	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.00094 mg/L	50	50	44.9	44.3	90	89	70-130	1	20	
Benzene	ug/L	<0.00025 mg/L	50	50	49.0	49.4	98	99	70-130	1	20	
Bromodichloromethane	ug/L	<0.00036 mg/L	50	50	44.9	46.2	90	92	70-130	3	20	
Bromoform	ug/L	<0.0040 mg/L	50	50	44.9	44.1	90	88	68-129	2	20	
Bromomethane	ug/L	<0.00097 mg/L	50	50	37.9	37.3	76	75	15-170	2	20	
Carbon tetrachloride	ug/L	<0.00017 mg/L	50	50	43.8	44.4	88	89	70-130	1	20	
Chlorobenzene	ug/L	<0.00071 mg/L	50	50	48.8	48.8	98	98	70-130	0	20	
Chloroethane	ug/L	<0.0013 mg/L	50	50	49.9	49.7	100	99	51-148	0	20	
Chloroform	ug/L	<0.0013 mg/L	50	50	45.6	46.8	91	94	74-136	3	20	
Chloromethane	ug/L	<0.0022 mg/L	50	50	44.9	45.3	89	90	23-115	1	20	
cis-1,2-Dichloroethene	ug/L	<0.00027 mg/L	50	50	47.6	48.2	95	96	70-131	1	20	
cis-1,3-Dichloropropene	ug/L	<0.0036 mg/L	50	50	44.8	45.4	90	91	70-130	1	20	
Dibromochloromethane	ug/L	<0.0026 mg/L	50	50	53.5	53.9	107	108	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.00050 mg/L	50	50	27.1	26.9	54	54	10-132	1	20	
Ethylbenzene	ug/L	<0.00022 mg/L	50	50	47.9	47.8	96	96	80-125	0	20	
Isopropylbenzene (Cumene)	ug/L	<0.00039 mg/L	50	50	46.2	46.5	92	93	70-130	1	20	
m&p-Xylene	ug/L	<0.00047 mg/L	100	100	95.6	95.7	96	96	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<0.0012 mg/L	50	50	58.2	59.4	116	119	51-145	2	20	
Methylene Chloride	ug/L	<0.00058 mg/L	50	50	60.7	59.5	121	119	73-140	2	20	
o-Xylene	ug/L	<0.00026 mg/L	50	50	47.9	47.3	96	95	70-130	1	20	
Styrene	ug/L	<0.00047 mg/L	50	50	52.4	53.6	105	107	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1942436 1942437

Parameter	Units	40195402003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Tetrachloroethene	ug/L	<0.00033 mg/L	50	50	45.8	45.5	92	91	70-130	1	20	
Toluene	ug/L	<0.00017 mg/L	50	50	47.3	47.6	95	95	80-131	1	20	
trans-1,2-Dichloroethene	ug/L	<0.0011 mg/L	50	50	64.3	65.3	129	131	73-148	1	20	
trans-1,3-Dichloropropene	ug/L	<0.0044 mg/L	50	50	48.3	48.7	97	97	70-130	1	20	
Trichloroethene	ug/L	<0.00026 mg/L	50	50	46.5	46.9	93	94	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.00021 mg/L	50	50	51.3	51.9	103	104	74-147	1	20	
Vinyl chloride	ug/L	<0.00017 mg/L	50	50	44.2	44.9	88	90	41-129	1	20	
Xylene (Total)	ug/L	<0.0015 mg/L	150	150	144	143	96	95	70-130	0	20	
4-Bromofluorobenzene (S)	%						96	96	70-130			
Dibromofluoromethane (S)	%						101	101	70-130			
Toluene-d8 (S)	%						97	98	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

QC Batch: 334667 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40195395001, 40195395002, 40195395003, 40195395004, 40195395005, 40195395006, 40195395007, 40195395008, 40195395009

METHOD BLANK: 1943197 Matrix: Solid
Associated Lab Samples: 40195395001, 40195395002, 40195395003, 40195395004, 40195395005, 40195395006, 40195395007, 40195395008, 40195395009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	<0.0040	0.013	09/20/19 11:23	
2-Methylnaphthalene	mg/kg	<0.0050	0.017	09/20/19 11:23	
Acenaphthene	mg/kg	<0.0039	0.013	09/20/19 11:23	
Acenaphthylene	mg/kg	<0.0033	0.011	09/20/19 11:23	
Anthracene	mg/kg	<0.0057	0.019	09/20/19 11:23	
Benzo(a)anthracene	mg/kg	<0.0032	0.011	09/20/19 11:23	
Benzo(a)pyrene	mg/kg	<0.0025	0.0084	09/20/19 11:23	
Benzo(b)fluoranthene	mg/kg	<0.0028	0.0094	09/20/19 11:23	
Benzo(g,h,i)perylene	mg/kg	<0.0020	0.0068	09/20/19 11:23	
Benzo(k)fluoranthene	mg/kg	<0.0025	0.0084	09/20/19 11:23	
Chrysene	mg/kg	<0.0034	0.011	09/20/19 11:23	
Dibenz(a,h)anthracene	mg/kg	<0.0022	0.0074	09/20/19 11:23	
Fluoranthene	mg/kg	<0.0052	0.017	09/20/19 11:23	
Fluorene	mg/kg	<0.0041	0.014	09/20/19 11:23	
Indeno(1,2,3-cd)pyrene	mg/kg	<0.0022	0.0073	09/20/19 11:23	
Naphthalene	mg/kg	<0.0084	0.028	09/20/19 11:23	
Phenanthrene	mg/kg	<0.012	0.039	09/20/19 11:23	
Pyrene	mg/kg	<0.0045	0.015	09/20/19 11:23	
2-Fluorobiphenyl (S)	%	88	28-99	09/20/19 11:23	
Terphenyl-d14 (S)	%	82	10-107	09/20/19 11:23	

LABORATORY CONTROL SAMPLE: 1943198

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	0.33	0.28	85	47-104	
2-Methylnaphthalene	mg/kg	0.33	0.27	82	50-100	
Acenaphthene	mg/kg	0.33	0.26	78	56-113	
Acenaphthylene	mg/kg	0.33	0.28	85	55-113	
Anthracene	mg/kg	0.33	0.29	86	59-103	
Benzo(a)anthracene	mg/kg	0.33	0.27	79	55-102	
Benzo(a)pyrene	mg/kg	0.33	0.30	89	59-114	
Benzo(b)fluoranthene	mg/kg	0.33	0.29	88	53-124	
Benzo(g,h,i)perylene	mg/kg	0.33	0.28	85	48-114	
Benzo(k)fluoranthene	mg/kg	0.33	0.29	86	61-118	
Chrysene	mg/kg	0.33	0.26	79	62-108	
Dibenz(a,h)anthracene	mg/kg	0.33	0.27	82	51-114	
Fluoranthene	mg/kg	0.33	0.29	87	59-113	
Fluorene	mg/kg	0.33	0.29	86	56-117	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

LABORATORY CONTROL SAMPLE: 1943198

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	mg/kg	0.33	0.28	84	52-115	
Naphthalene	mg/kg	0.33	0.26	77	54-95	
Phenanthrene	mg/kg	0.33	0.27	82	58-101	
Pyrene	mg/kg	0.33	0.26	77	56-105	
2-Fluorobiphenyl (S)	%			82	28-99	
Terphenyl-d14 (S)	%			75	10-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1943199 1943200

Parameter	Units	40195402008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	mg/kg	433 ug/kg	0.38	0.38	0.57	0.63	37	51	39-104	9	29	M1
2-Methylnaphthalene	mg/kg	861 ug/kg	0.38	0.38	0.89	0.99	7	35	40-100	11	32	M1
Acenaphthene	mg/kg	0.0063J	0.38	0.38	0.27	0.30	68	78	50-113	13	21	
Acenaphthylene	mg/kg	<0.0048	0.38	0.38	0.29	0.32	74	82	42-114	10	27	
Anthracene	mg/kg	<0.0048	0.38	0.38	0.27	0.29	70	75	33-105	7	21	
Benzo(a)anthracene	mg/kg	<0.0049	0.38	0.38	0.27	0.30	69	78	43-102	12	21	
Benzo(a)pyrene	mg/kg	<0.0043	0.38	0.38	0.30	0.33	77	86	34-117	10	22	
Benzo(b)fluoranthene	mg/kg	<0.0053	0.38	0.38	0.28	0.33	74	87	35-124	16	35	
Benzo(g,h,i)perylene	mg/kg	<0.0067	0.38	0.38	0.28	0.30	72	79	10-120	8	30	
Benzo(k)fluoranthene	mg/kg	<0.0049	0.38	0.38	0.30	0.32	79	84	31-128	6	27	
Chrysene	mg/kg	<0.0072	0.38	0.38	0.28	0.30	72	78	39-108	8	20	
Dibenz(a,h)anthracene	mg/kg	<0.0053	0.38	0.38	0.26	0.28	67	74	19-114	10	28	
Fluoranthene	mg/kg	<0.0045	0.38	0.38	0.28	0.31	74	82	45-113	10	22	
Fluorene	mg/kg	0.0070J	0.38	0.38	0.29	0.31	73	80	48-117	9	21	
Indeno(1,2,3-cd)pyrene	mg/kg	<0.0080	0.38	0.38	0.27	0.29	71	77	10-123	8	28	
Naphthalene	mg/kg	0.97	0.38	0.38	1.0	1.1	7	38	32-101	11	27	M1
Phenanthrene	mg/kg	0.013J	0.38	0.38	0.27	0.30	68	75	40-101	9	20	
Pyrene	mg/kg	<0.0056	0.38	0.38	0.26	0.28	66	73	35-105	10	26	
2-Fluorobiphenyl (S)	%						73	76	28-99			
Terphenyl-d14 (S)	%						62	66	10-107			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

QC Batch: 335087
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40195395009

SAMPLE DUPLICATE: 1945501

Parameter	Units	40195313023 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.0	15.0	7	10	

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REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

QC Batch: 335518 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40195395001, 40195395002, 40195395003, 40195395004, 40195395005, 40195395006, 40195395007, 40195395008

SAMPLE DUPLICATE: 1947685

Parameter	Units	40195395006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.8	24.2	6	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALIFIERS

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

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

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).
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
S1	Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
W	Non-detect results are reported on a wet weight basis.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HEIMES GARAGE-FORMER
Pace Project No.: 40195395

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40195395001	**DP-1 (5'-7')**	EPA 3546	334667	EPA 8270 by SIM	334711
40195395002	**DP-2 (2'-3')**	EPA 3546	334667	EPA 8270 by SIM	334711
40195395003	**DP-2 (3'-4')**	EPA 3546	334667	EPA 8270 by SIM	334711
40195395004	**DP-3 (3'-4')**	EPA 3546	334667	EPA 8270 by SIM	334711
40195395005	**DP-4 (2'-2.5')**	EPA 3546	334667	EPA 8270 by SIM	334711
40195395006	**DP-5 (2'-2.5')**	EPA 3546	334667	EPA 8270 by SIM	334711
40195395007	**DP-6 (2'-2.5')**	EPA 3546	334667	EPA 8270 by SIM	334711
40195395008	**DP-7 (2'-3')**	EPA 3546	334667	EPA 8270 by SIM	334711
40195395009	**DP-8 (2.5'-3')**	EPA 3546	334667	EPA 8270 by SIM	334711
40195395001	**DP-1 (5'-7')**	EPA 5035/5030B	334883	EPA 8260	334886
40195395002	**DP-2 (2'-3')**	EPA 5035/5030B	334715	EPA 8260	334717
40195395003	**DP-2 (3'-4')**	EPA 5035/5030B	334715	EPA 8260	334717
40195395004	**DP-3 (3'-4')**	EPA 5035/5030B	334715	EPA 8260	334717
40195395005	**DP-4 (2'-2.5')**	EPA 5035/5030B	334715	EPA 8260	334717
40195395006	**DP-5 (2'-2.5')**	EPA 5035/5030B	334715	EPA 8260	334717
40195395007	**DP-6 (2'-2.5')**	EPA 5035/5030B	334883	EPA 8260	334886
40195395008	**DP-7 (2'-3')**	EPA 5035/5030B	334883	EPA 8260	334886
40195395009	**DP-8 (2.5'-3')**	EPA 5035/5030B	334883	EPA 8260	334886
40195395010	**DP-1W**	EPA 8260	334513		
40195395011	**DP-2W**	EPA 8260	334513		
40195395012	**DP-3W**	EPA 8260	334513		
40195395013	**DP-4W**	EPA 8260	334513		
40195395014	**DP-5W**	EPA 8260	334513		
40195395015	**DP-6W**	EPA 8260	334513		
40195395016	**DP-7W**	EPA 8260	334513		
40195395017	**DP-8W**	EPA 8260	334513		
40195395018	**TRIP BLANK**	EPA 8260	334513		
40195395001	**DP-1 (5'-7')**	ASTM D2974-87	335518		
40195395002	**DP-2 (2'-3')**	ASTM D2974-87	335518		
40195395003	**DP-2 (3'-4')**	ASTM D2974-87	335518		
40195395004	**DP-3 (3'-4')**	ASTM D2974-87	335518		
40195395005	**DP-4 (2'-2.5')**	ASTM D2974-87	335518		
40195395006	**DP-5 (2'-2.5')**	ASTM D2974-87	335518		
40195395007	**DP-6 (2'-2.5')**	ASTM D2974-87	335518		
40195395008	**DP-7 (2'-3')**	ASTM D2974-87	335518		
40195395009	**DP-8 (2.5'-3')**	ASTM D2974-87	335087		

(Please Print Clearly)	
Company Name:	Midwest Env. Consulting
Branch/Location:	Burlington, WI
Project Contact:	Sean Cranley
Phone:	262-237-4351
Project Number:	
Project Name:	Heimes Garage-Former
Project State:	WI
Sampled By (Print):	Sean Cranley
Sampled By (Sign):	Sean Cranley
PO #:	PECFA
Regulatory Program:	

UPPER MIDWEST REGION
MN: 612-607-1700 **WI:** 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

Page 40195395

Quote #:	PECFA
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

*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

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
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOCs	VOCs	PAHs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	DP-1 (5'-7')	9/16/19	1100	S	N	A	X		X			
002	DP-2 (2'-3')		1050									
003	DP-2 (3'-4')		1100									
004	DP-3 (3'-4')		1125									
005	DP-4 (2'-2.5')		1145									
006	DP-5 (2'-2.5')		1320									
007	DP-6 (2'-2.5')		1345									
008	DP-7 (2'-3')		1415									
009	DP-8 (2.5'-3')		1430									
010	DP-1W		1205	GW	N	B		X				
011	DP-2W		1212									
012	DP-3W		1215									
013	DP-4W		1220									

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

Transmit Prelim Rush Results by (complete what you want):

Email #1:	MWenvirocon@gmail.com
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Sean Cranley	9/17/19 1500	Mary Fannin	9/17/19 1500
Mary Fannin	9/17/19 1600		9/18/19
CS Logistics	9/18/19 0955		9/18/19 0955

PACE Project No.: 40195395

Receipt Temp = RW °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 2 of 2

4019395

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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

(Please Print Clearly)	
Company Name:	Midwest Env. Consulting
Branch/Location:	Burlington, WI
Project Contact:	Sean Cranley
Phone:	262-237-4351
Project Number:	
Project Name:	Heimes Garage - Former
Project State:	WI
Sampled By (Print):	Sean Cranley
Sampled By (Sign):	Sean Cranley
PO #:	PECFA
Regulatory Program:	

Quote #:	PECFA
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
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOCs Napt	VOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	DP-5W	9/16/19	1505	GW		N		B			
015	DP-6W		1510					X			
016	DP-7W		1515								
017	DP-8W		1520								
018	trip blank ①										

① added true by lab mA 9/18/19

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

Transmit Prelim Rush Results by (complete what you want):

Email #1:	mwenvirosean@gmail.com
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Sean Cranley	9/17/19 1500	Mary Fannin	9/17/19 1500
Mary Fannin	9/17/19 1600		
CS Logistics	9/18/19 0955		
		Mary Fannin	9/18/19 0955

PACE Project No.: 4019395

Receipt Temp = 2.4 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: (Present) / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Preservation Receipt Form

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

Client Name: Midwest Env. Consulting Project # 40165395

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	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																			1		1		1										2.5 / 5 / 10
002																			1		1		2										2.5 / 5 / 10
003																			1		1		1										2.5 / 5 / 10
004																			1		1		1										2.5 / 5 / 10
005																			1		1		1										2.5 / 5 / 10
006																			1		1		1										2.5 / 5 / 10
007																			1		1		1										2.5 / 5 / 10
008																			1		1		1										2.5 / 5 / 10
009																			1		1		1										2.5 / 5 / 10
010																		3									3						2.5 / 5 / 10
011																		3									3						2.5 / 5 / 10
012																		3									3						2.5 / 5 / 10
013																		3									3						2.5 / 5 / 10
014																		3									3						2.5 / 5 / 10
015																		3									3						2.5 / 5 / 10
016																		3									3						2.5 / 5 / 10
017																		3									3						2.5 / 5 / 10
018																		12															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	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:	

Pace Analytical 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 #: **WO# : 40195395**

Client Name: Midwest Env. Consulting

Courier: [X] CS Logistics [ ] Fed Ex [ ] Speedee [ ] UPS [ ] Waltco [ ] Client [ ] Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: [X] yes [ ] no Seals intact: [X] yes [ ] no

Custody Seal on Samples Present: [ ] yes [X] no Seals intact: [ ] yes [ ] no

Packing Material: [X] Bubble Wrap [X] Bubble Bags [ ] None [ ] Other _____

Thermometer Used SR - MA **Type of Ice:** (Wet) Blue Dry None [X] Samples on ice, cooling process has begun

Cooler Temperature Uncorr: Ref /Corr: _____

Temp Blank Present: [ ] yes [X] 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: 9/18/19
Initials: MH

Chain of Custody Present:	[X]Yes [ ]No [ ]N/A	1.
Chain of Custody Filled Out:	[ ]Yes [X]No [ ]N/A	2. NO mailing or invoice info MH 9/18/19
Chain of Custody Relinquished:	[X]Yes [ ]No [ ]N/A	3.
Sampler Name & Signature on COC:	[X]Yes [ ]No [ ]N/A	4.
Samples Arrived within Hold Time:	[X]Yes [ ]No	5.
- VOA Samples frozen upon receipt	[ ]Yes [ ]No	Date/Time:
Short Hold Time Analysis (<72hr):	[ ]Yes [X]No	6.
Rush Turn Around Time Requested:	[ ]Yes [X]No	7.
Sufficient Volume: For Analysis: [X]Yes [ ]No MS/MSD: [ ]Yes [X]No [ ]N/A		8.
Correct Containers Used:	[X]Yes [ ]No	9.
-Pace Containers Used:	[X]Yes [ ]No [ ]N/A	
-Pace IR Containers Used:	[ ]Yes [X]No [ ]N/A	
Containers Intact:	[X]Yes [ ]No	10.
Filtered volume received for Dissolved tests	[ ]Yes [ ]No [X]N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: S, W	[X]Yes [ ]No [ ]N/A	12. NO date or time on samples MH 9/18/19
Trip Blank Present: MH 9/18/19	[X]Yes [ ]No [X]N/A	13.
Trip Blank Custody Seals Present	[X]Yes [ ]No [ ]N/A	
Pace Trip Blank Lot # (if purchased): 427		

Client Notification/ Resolution: If checked, see attached form for additional comments [ ]

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: VOA vials for VOC has sediments in them MH 9/18/19

Project Manager Review: _____ **Date:** 9/19/19

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

February 06, 2020

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

RE: Project: HEIMES GARAGE
Pace Project No.: 40202706

Dear Sean Cranley:
Enclosed are the analytical results for sample(s) received by the laboratory on January 31, 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
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: HEIMES GARAGE
Pace Project No.: 40202706

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: HEIMES GARAGE
Pace Project No.: 40202706

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40202706001	**MW-1**	Water	01/29/20 09:50	01/31/20 08:00
40202706002	**MW-2**	Water	01/29/20 12:15	01/31/20 08:00
40202706003	**MW-3**	Water	01/29/20 12:35	01/31/20 08:00
40202706004	**MW-4**	Water	01/29/20 12:40	01/31/20 08:00
40202706005	**MW-5**	Water	01/29/20 12:45	01/31/20 08:00

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: HEIMES GARAGE
Pace Project No.: 40202706

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40202706001	**MW-1**	EPA 8260	LAP	64	PASI-G
40202706002	**MW-2**	EPA 8260	LAP	64	PASI-G
40202706003	**MW-3**	EPA 8260	LAP	64	PASI-G
40202706004	**MW-4**	EPA 8260	LAP	64	PASI-G
40202706005	**MW-5**	EPA 8260	LAP	64	PASI-G

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: HEIMES GARAGE
Pace Project No.: 40202706

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40202706001	**MW-1**					
EPA 8260	Benzene	7.6	ug/L	1.0	02/05/20 08:45	
EPA 8260	n-Butylbenzene	0.74J	ug/L	2.4	02/05/20 08:45	
EPA 8260	sec-Butylbenzene	0.93J	ug/L	5.0	02/05/20 08:45	
EPA 8260	1,2-Dichloroethane	3.4	ug/L	1.0	02/05/20 08:45	
EPA 8260	Diisopropyl ether	3.4J	ug/L	6.3	02/05/20 08:45	
EPA 8260	Ethylbenzene	0.29J	ug/L	1.0	02/05/20 08:45	
EPA 8260	Isopropylbenzene (Cumene)	3.0J	ug/L	5.0	02/05/20 08:45	
EPA 8260	Methyl-tert-butyl ether	3.6J	ug/L	4.2	02/05/20 08:45	
EPA 8260	Naphthalene	7.5	ug/L	5.0	02/05/20 08:45	
EPA 8260	n-Propylbenzene	3.9J	ug/L	5.0	02/05/20 08:45	
EPA 8260	Toluene	0.25J	ug/L	5.0	02/05/20 08:45	
EPA 8260	m&p-Xylene	1.0J	ug/L	2.0	02/05/20 08:45	
40202706002	**MW-2**					
EPA 8260	Benzene	0.42J	ug/L	1.0	02/05/20 09:28	
EPA 8260	cis-1,2-Dichloroethene	0.90J	ug/L	1.0	02/05/20 09:28	
EPA 8260	Isopropylbenzene (Cumene)	0.93J	ug/L	5.0	02/05/20 09:28	
EPA 8260	Methyl-tert-butyl ether	95.8	ug/L	4.2	02/05/20 09:28	
EPA 8260	Vinyl chloride	0.38J	ug/L	1.0	02/05/20 09:28	
40202706003	**MW-3**					
EPA 8260	Methyl-tert-butyl ether	33.3	ug/L	4.2	02/05/20 09:52	
40202706005	**MW-5**					
EPA 8260	Methyl-tert-butyl ether	167	ug/L	4.2	02/05/20 10:39	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE
Pace Project No.: 40202706

Sample: MW-1 **Lab ID: 40202706001** Collected: 01/29/20 09:50 Received: 01/31/20 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**7.6**	ug/L	1.0	0.25	1		02/05/20 08:45	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		02/05/20 08:45	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		02/05/20 08:45	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		02/05/20 08:45	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		02/05/20 08:45	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		02/05/20 08:45	74-83-9	
n-Butylbenzene	**0.74J**	ug/L	2.4	0.71	1		02/05/20 08:45	104-51-8	
sec-Butylbenzene	**0.93J**	ug/L	5.0	0.85	1		02/05/20 08:45	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		02/05/20 08:45	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		02/05/20 08:45	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		02/05/20 08:45	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		02/05/20 08:45	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/05/20 08:45	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		02/05/20 08:45	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		02/05/20 08:45	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		02/05/20 08:45	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		02/05/20 08:45	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		02/05/20 08:45	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		02/05/20 08:45	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		02/05/20 08:45	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		02/05/20 08:45	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		02/05/20 08:45	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		02/05/20 08:45	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		02/05/20 08:45	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		02/05/20 08:45	75-34-3	
1,2-Dichloroethane	**3.4**	ug/L	1.0	0.28	1		02/05/20 08:45	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		02/05/20 08:45	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		02/05/20 08:45	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		02/05/20 08:45	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		02/05/20 08:45	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		02/05/20 08:45	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		02/05/20 08:45	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		02/05/20 08:45	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		02/05/20 08:45	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		02/05/20 08:45	10061-02-6	
Diisopropyl ether	**3.4J**	ug/L	6.3	1.9	1		02/05/20 08:45	108-20-3	
Ethylbenzene	**0.29J**	ug/L	1.0	0.22	1		02/05/20 08:45	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		02/05/20 08:45	87-68-3	
Isopropylbenzene (Cumene)	**3.0J**	ug/L	5.0	0.39	1		02/05/20 08:45	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		02/05/20 08:45	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		02/05/20 08:45	75-09-2	
Methyl-tert-butyl ether	**3.6J**	ug/L	4.2	1.2	1		02/05/20 08:45	1634-04-4	
Naphthalene	**7.5**	ug/L	5.0	1.2	1		02/05/20 08:45	91-20-3	
n-Propylbenzene	**3.9J**	ug/L	5.0	0.81	1		02/05/20 08:45	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		02/05/20 08:45	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		02/05/20 08:45	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE
Pace Project No.: 40202706

Sample: MW-1 **Lab ID: 40202706001** Collected: 01/29/20 09:50 Received: 01/31/20 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		02/05/20 08:45	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		02/05/20 08:45	127-18-4	
Toluene	**0.25J**	ug/L	5.0	0.17	1		02/05/20 08:45	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		02/05/20 08:45	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		02/05/20 08:45	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		02/05/20 08:45	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		02/05/20 08:45	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		02/05/20 08:45	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		02/05/20 08:45	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		02/05/20 08:45	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		02/05/20 08:45	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		02/05/20 08:45	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		02/05/20 08:45	75-01-4	
m&p-Xylene	**1.0J**	ug/L	2.0	0.47	1		02/05/20 08:45	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		02/05/20 08:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/05/20 08:45	460-00-4	
Dibromofluoromethane (S)	118	%	70-130		1		02/05/20 08:45	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		02/05/20 08:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE
Pace Project No.: 40202706

Sample: MW-2 **Lab ID: 40202706002** Collected: 01/29/20 12:15 Received: 01/31/20 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**0.42J**	ug/L	1.0	0.25	1		02/05/20 09:28	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		02/05/20 09:28	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		02/05/20 09:28	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		02/05/20 09:28	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		02/05/20 09:28	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		02/05/20 09:28	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		02/05/20 09:28	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		02/05/20 09:28	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		02/05/20 09:28	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		02/05/20 09:28	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		02/05/20 09:28	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		02/05/20 09:28	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/05/20 09:28	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		02/05/20 09:28	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		02/05/20 09:28	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		02/05/20 09:28	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		02/05/20 09:28	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		02/05/20 09:28	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		02/05/20 09:28	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		02/05/20 09:28	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		02/05/20 09:28	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		02/05/20 09:28	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		02/05/20 09:28	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		02/05/20 09:28	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		02/05/20 09:28	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		02/05/20 09:28	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		02/05/20 09:28	75-35-4	
cis-1,2-Dichloroethene	**0.90J**	ug/L	1.0	0.27	1		02/05/20 09:28	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		02/05/20 09:28	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		02/05/20 09:28	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		02/05/20 09:28	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		02/05/20 09:28	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		02/05/20 09:28	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		02/05/20 09:28	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		02/05/20 09:28	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		02/05/20 09:28	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		02/05/20 09:28	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		02/05/20 09:28	87-68-3	
Isopropylbenzene (Cumene)	**0.93J**	ug/L	5.0	0.39	1		02/05/20 09:28	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		02/05/20 09:28	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		02/05/20 09:28	75-09-2	
Methyl-tert-butyl ether	**95.8**	ug/L	4.2	1.2	1		02/05/20 09:28	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		02/05/20 09:28	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		02/05/20 09:28	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		02/05/20 09:28	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		02/05/20 09:28	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE
Pace Project No.: 40202706

Sample: MW-2 **Lab ID: 40202706002** Collected: 01/29/20 12:15 Received: 01/31/20 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		02/05/20 09:28	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		02/05/20 09:28	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		02/05/20 09:28	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		02/05/20 09:28	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		02/05/20 09:28	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		02/05/20 09:28	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		02/05/20 09:28	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		02/05/20 09:28	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		02/05/20 09:28	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		02/05/20 09:28	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		02/05/20 09:28	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		02/05/20 09:28	108-67-8	
Vinyl chloride	**0.38J**	ug/L	1.0	0.17	1		02/05/20 09:28	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		02/05/20 09:28	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		02/05/20 09:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		02/05/20 09:28	460-00-4	HS,pH
Dibromofluoromethane (S)	112	%	70-130		1		02/05/20 09:28	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		02/05/20 09:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE
Pace Project No.: 40202706

Sample: MW-3 **Lab ID: 40202706003** Collected: 01/29/20 12:35 Received: 01/31/20 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		02/05/20 09:52	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		02/05/20 09:52	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		02/05/20 09:52	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		02/05/20 09:52	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		02/05/20 09:52	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		02/05/20 09:52	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		02/05/20 09:52	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		02/05/20 09:52	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		02/05/20 09:52	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		02/05/20 09:52	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		02/05/20 09:52	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		02/05/20 09:52	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/05/20 09:52	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		02/05/20 09:52	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		02/05/20 09:52	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		02/05/20 09:52	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		02/05/20 09:52	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		02/05/20 09:52	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		02/05/20 09:52	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		02/05/20 09:52	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		02/05/20 09:52	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		02/05/20 09:52	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		02/05/20 09:52	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		02/05/20 09:52	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		02/05/20 09:52	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		02/05/20 09:52	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		02/05/20 09:52	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		02/05/20 09:52	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		02/05/20 09:52	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		02/05/20 09:52	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		02/05/20 09:52	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		02/05/20 09:52	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		02/05/20 09:52	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		02/05/20 09:52	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		02/05/20 09:52	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		02/05/20 09:52	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		02/05/20 09:52	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		02/05/20 09:52	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		02/05/20 09:52	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		02/05/20 09:52	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		02/05/20 09:52	75-09-2	
Methyl-tert-butyl ether	**33.3**	ug/L	4.2	1.2	1		02/05/20 09:52	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		02/05/20 09:52	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		02/05/20 09:52	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		02/05/20 09:52	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		02/05/20 09:52	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE
Pace Project No.: 40202706

Sample: MW-3 **Lab ID: 40202706003** Collected: 01/29/20 12:35 Received: 01/31/20 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		02/05/20 09:52	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		02/05/20 09:52	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		02/05/20 09:52	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		02/05/20 09:52	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		02/05/20 09:52	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		02/05/20 09:52	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		02/05/20 09:52	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		02/05/20 09:52	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		02/05/20 09:52	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		02/05/20 09:52	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		02/05/20 09:52	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		02/05/20 09:52	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		02/05/20 09:52	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		02/05/20 09:52	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		02/05/20 09:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/05/20 09:52	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		02/05/20 09:52	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		02/05/20 09:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: HEIMES GARAGE
Pace Project No.: 40202706

Sample: MW-4 **Lab ID: 40202706004** Collected: 01/29/20 12:40 Received: 01/31/20 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		02/05/20 10:15	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		02/05/20 10:15	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		02/05/20 10:15	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		02/05/20 10:15	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		02/05/20 10:15	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		02/05/20 10:15	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		02/05/20 10:15	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		02/05/20 10:15	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		02/05/20 10:15	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		02/05/20 10:15	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		02/05/20 10:15	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		02/05/20 10:15	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/05/20 10:15	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		02/05/20 10:15	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		02/05/20 10:15	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		02/05/20 10:15	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		02/05/20 10:15	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		02/05/20 10:15	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		02/05/20 10:15	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		02/05/20 10:15	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		02/05/20 10:15	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		02/05/20 10:15	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		02/05/20 10:15	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		02/05/20 10:15	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		02/05/20 10:15	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		02/05/20 10:15	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		02/05/20 10:15	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		02/05/20 10:15	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		02/05/20 10:15	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		02/05/20 10:15	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		02/05/20 10:15	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		02/05/20 10:15	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		02/05/20 10:15	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		02/05/20 10:15	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		02/05/20 10:15	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		02/05/20 10:15	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		02/05/20 10:15	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		02/05/20 10:15	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		02/05/20 10:15	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		02/05/20 10:15	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		02/05/20 10:15	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		02/05/20 10:15	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		02/05/20 10:15	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		02/05/20 10:15	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		02/05/20 10:15	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		02/05/20 10:15	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEIMES GARAGE
Pace Project No.: 40202706

Sample: MW-4 **Lab ID: 40202706004** Collected: 01/29/20 12:40 Received: 01/31/20 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		02/05/20 10:15	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		02/05/20 10:15	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		02/05/20 10:15	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		02/05/20 10:15	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		02/05/20 10:15	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		02/05/20 10:15	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		02/05/20 10:15	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		02/05/20 10:15	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		02/05/20 10:15	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		02/05/20 10:15	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		02/05/20 10:15	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		02/05/20 10:15	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		02/05/20 10:15	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		02/05/20 10:15	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		02/05/20 10:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/05/20 10:15	460-00-4	
Dibromofluoromethane (S)	118	%	70-130		1		02/05/20 10:15	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		02/05/20 10:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: HEIMES GARAGE
Pace Project No.: 40202706

Sample: MW-5 **Lab ID: 40202706005** Collected: 01/29/20 12:45 Received: 01/31/20 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		02/05/20 10:39	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		02/05/20 10:39	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		02/05/20 10:39	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		02/05/20 10:39	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		02/05/20 10:39	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		02/05/20 10:39	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		02/05/20 10:39	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		02/05/20 10:39	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		02/05/20 10:39	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		02/05/20 10:39	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		02/05/20 10:39	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		02/05/20 10:39	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		02/05/20 10:39	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		02/05/20 10:39	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		02/05/20 10:39	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		02/05/20 10:39	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		02/05/20 10:39	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		02/05/20 10:39	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		02/05/20 10:39	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		02/05/20 10:39	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		02/05/20 10:39	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		02/05/20 10:39	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		02/05/20 10:39	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		02/05/20 10:39	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		02/05/20 10:39	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		02/05/20 10:39	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		02/05/20 10:39	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		02/05/20 10:39	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		02/05/20 10:39	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		02/05/20 10:39	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		02/05/20 10:39	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		02/05/20 10:39	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		02/05/20 10:39	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		02/05/20 10:39	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		02/05/20 10:39	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		02/05/20 10:39	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		02/05/20 10:39	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		02/05/20 10:39	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		02/05/20 10:39	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		02/05/20 10:39	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		02/05/20 10:39	75-09-2	
Methyl-tert-butyl ether	**167**	ug/L	4.2	1.2	1		02/05/20 10:39	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		02/05/20 10:39	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		02/05/20 10:39	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		02/05/20 10:39	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		02/05/20 10:39	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

Project: HEIMES GARAGE
Pace Project No.: 40202706

Sample: MW-5 **Lab ID: 40202706005** Collected: 01/29/20 12:45 Received: 01/31/20 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		02/05/20 10:39	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		02/05/20 10:39	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		02/05/20 10:39	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		02/05/20 10:39	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		02/05/20 10:39	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		02/05/20 10:39	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		02/05/20 10:39	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		02/05/20 10:39	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		02/05/20 10:39	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		02/05/20 10:39	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		02/05/20 10:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		02/05/20 10:39	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		02/05/20 10:39	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		02/05/20 10:39	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		02/05/20 10:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/05/20 10:39	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		1		02/05/20 10:39	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		02/05/20 10:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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QUALITY CONTROL DATA

Project: HEIMES GARAGE
Pace Project No.: 40202706

QC Batch: 346774 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40202706001, 40202706002, 40202706003, 40202706004, 40202706005

METHOD BLANK: 2011695 Matrix: Water
Associated Lab Samples: 40202706001, 40202706002, 40202706003, 40202706004, 40202706005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	02/04/20 13:55	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	02/04/20 13:55	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	02/04/20 13:55	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	02/04/20 13:55	
1,1-Dichloroethane	ug/L	<0.27	1.0	02/04/20 13:55	
1,1-Dichloroethene	ug/L	<0.24	1.0	02/04/20 13:55	
1,1-Dichloropropene	ug/L	<0.54	1.8	02/04/20 13:55	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	02/04/20 13:55	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	02/04/20 13:55	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	02/04/20 13:55	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	02/04/20 13:55	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	02/04/20 13:55	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	02/04/20 13:55	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	02/04/20 13:55	
1,2-Dichloroethane	ug/L	<0.28	1.0	02/04/20 13:55	
1,2-Dichloropropane	ug/L	<0.28	1.0	02/04/20 13:55	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	02/04/20 13:55	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	02/04/20 13:55	
1,3-Dichloropropane	ug/L	<0.83	2.8	02/04/20 13:55	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	02/04/20 13:55	
2,2-Dichloropropane	ug/L	<2.3	7.6	02/04/20 13:55	
2-Chlorotoluene	ug/L	<0.93	5.0	02/04/20 13:55	
4-Chlorotoluene	ug/L	<0.76	2.5	02/04/20 13:55	
Benzene	ug/L	<0.25	1.0	02/04/20 13:55	
Bromobenzene	ug/L	<0.24	1.0	02/04/20 13:55	
Bromochloromethane	ug/L	<0.36	5.0	02/04/20 13:55	
Bromodichloromethane	ug/L	<0.36	1.2	02/04/20 13:55	
Bromoform	ug/L	<4.0	13.2	02/04/20 13:55	
Bromomethane	ug/L	<0.97	5.0	02/04/20 13:55	
Carbon tetrachloride	ug/L	<0.17	1.0	02/04/20 13:55	
Chlorobenzene	ug/L	<0.71	2.4	02/04/20 13:55	
Chloroethane	ug/L	<1.3	5.0	02/04/20 13:55	
Chloroform	ug/L	<1.3	5.0	02/04/20 13:55	
Chloromethane	ug/L	<2.2	7.3	02/04/20 13:55	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	02/04/20 13:55	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	02/04/20 13:55	
Dibromochloromethane	ug/L	<2.6	8.7	02/04/20 13:55	
Dibromomethane	ug/L	<0.94	3.1	02/04/20 13:55	
Dichlorodifluoromethane	ug/L	<0.50	5.0	02/04/20 13:55	
Diisopropyl ether	ug/L	<1.9	6.3	02/04/20 13:55	
Ethylbenzene	ug/L	<0.22	1.0	02/04/20 13:55	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEIMES GARAGE
Pace Project No.: 40202706

METHOD BLANK: 2011695 Matrix: Water
Associated Lab Samples: 40202706001, 40202706002, 40202706003, 40202706004, 40202706005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	02/04/20 13:55	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	02/04/20 13:55	
m&p-Xylene	ug/L	<0.47	2.0	02/04/20 13:55	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	02/04/20 13:55	
Methylene Chloride	ug/L	<0.58	5.0	02/04/20 13:55	
n-Butylbenzene	ug/L	<0.71	2.4	02/04/20 13:55	
n-Propylbenzene	ug/L	<0.81	5.0	02/04/20 13:55	
Naphthalene	ug/L	<1.2	5.0	02/04/20 13:55	
o-Xylene	ug/L	<0.26	1.0	02/04/20 13:55	
p-Isopropyltoluene	ug/L	<0.80	2.7	02/04/20 13:55	
sec-Butylbenzene	ug/L	<0.85	5.0	02/04/20 13:55	
Styrene	ug/L	<0.47	1.6	02/04/20 13:55	
tert-Butylbenzene	ug/L	<0.30	1.0	02/04/20 13:55	
Tetrachloroethene	ug/L	<0.33	1.1	02/04/20 13:55	
Toluene	ug/L	<0.17	5.0	02/04/20 13:55	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	02/04/20 13:55	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	02/04/20 13:55	
Trichloroethene	ug/L	<0.26	1.0	02/04/20 13:55	
Trichlorofluoromethane	ug/L	<0.21	1.0	02/04/20 13:55	
Vinyl chloride	ug/L	<0.17	1.0	02/04/20 13:55	
4-Bromofluorobenzene (S)	%	96	70-130	02/04/20 13:55	
Dibromofluoromethane (S)	%	111	70-130	02/04/20 13:55	
Toluene-d8 (S)	%	97	70-130	02/04/20 13:55	

LABORATORY CONTROL SAMPLE: 2011696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	63.8	128	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.5	103	70-130	
1,1,2-Trichloroethane	ug/L	50	48.0	96	70-130	
1,1-Dichloroethane	ug/L	50	60.6	121	73-150	
1,1-Dichloroethene	ug/L	50	55.3	111	73-138	
1,2,4-Trichlorobenzene	ug/L	50	43.1	86	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.4	105	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	48.0	96	70-130	
1,2-Dichlorobenzene	ug/L	50	49.5	99	70-130	
1,2-Dichloroethane	ug/L	50	63.1	126	75-140	
1,2-Dichloropropane	ug/L	50	52.3	105	73-135	
1,3-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,4-Dichlorobenzene	ug/L	50	51.1	102	70-130	
Benzene	ug/L	50	53.8	108	70-130	
Bromodichloromethane	ug/L	50	53.0	106	70-130	
Bromoform	ug/L	50	45.3	91	68-129	
Bromomethane	ug/L	50	38.9	78	18-159	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEIMES GARAGE
Pace Project No.: 40202706

LABORATORY CONTROL SAMPLE: 2011696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	63.8	128	70-130	
Chlorobenzene	ug/L	50	52.9	106	70-130	
Chloroethane	ug/L	50	66.8	134	53-147	
Chloroform	ug/L	50	58.7	117	74-136	
Chloromethane	ug/L	50	45.1	90	29-115	
cis-1,2-Dichloroethene	ug/L	50	50.3	101	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.6	97	70-130	
Dibromochloromethane	ug/L	50	47.3	95	70-130	
Dichlorodifluoromethane	ug/L	50	29.8	60	10-130	
Ethylbenzene	ug/L	50	52.8	106	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.6	105	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	59.1	118	54-137	
Methylene Chloride	ug/L	50	62.9	126	73-138	
o-Xylene	ug/L	50	52.5	105	70-130	
Styrene	ug/L	50	52.2	104	70-130	
Tetrachloroethene	ug/L	50	47.1	94	70-130	
Toluene	ug/L	50	52.8	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	56.8	114	73-145	
trans-1,3-Dichloropropene	ug/L	50	47.9	96	70-130	
Trichloroethene	ug/L	50	53.8	108	70-130	
Trichlorofluoromethane	ug/L	50	65.1	130	76-147	
Vinyl chloride	ug/L	50	47.4	95	51-120	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			109	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2011936 2011937

Parameter	Units	40202772002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	63.9	66.3	128	133	70-130	4	20	M1
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	53.3	53.5	107	107	70-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	48.4	50.8	97	102	70-137	5	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	60.5	62.7	121	125	73-153	3	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	51.9	52.5	104	105	73-138	1	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	45.5	45.3	91	91	70-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	51.2	54.1	102	108	58-129	5	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	48.5	50.6	97	101	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	52.6	52.3	105	105	70-130	0	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	62.9	66.3	126	133	75-140	5	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	53.6	53.8	107	108	71-138	0	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	54.7	52.9	109	106	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	53.8	53.2	108	106	70-130	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEIMES GARAGE
Pace Project No.: 40202706

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2011936 2011937

Parameter	Units	40202772002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	54.3	54.7	109	109	70-130	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	52.9	54.8	106	110	70-130	3	20	
Bromoform	ug/L	<4.0	50	50	45.6	46.6	91	93	68-129	2	20	
Bromomethane	ug/L	<0.97	50	50	42.4	43.6	85	87	15-170	3	20	
Carbon tetrachloride	ug/L	<0.17	50	50	64.9	67.0	130	134	70-130	3	20	M1
Chlorobenzene	ug/L	<0.71	50	50	53.3	54.0	107	108	70-130	1	20	
Chloroethane	ug/L	<1.3	50	50	60.2	58.4	120	117	51-148	3	20	
Chloroform	ug/L	<1.3	50	50	58.5	60.0	117	120	74-136	3	20	
Chloromethane	ug/L	<2.2	50	50	42.4	43.0	85	86	23-115	1	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	49.8	51.6	100	103	70-131	3	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	48.7	50.1	97	100	70-130	3	20	
Dibromochloromethane	ug/L	<2.6	50	50	47.7	49.2	95	98	70-130	3	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	27.6	28.2	55	56	10-132	2	20	
Ethylbenzene	ug/L	<0.22	50	50	53.6	54.6	107	109	80-125	2	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.2	54.2	106	108	70-130	2	20	
m&p-Xylene	ug/L	<0.47	100	100	107	108	107	108	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	57.1	59.6	114	119	51-145	4	20	
Methylene Chloride	ug/L	<0.58	50	50	60.4	61.0	121	122	73-140	1	20	
o-Xylene	ug/L	<0.26	50	50	53.6	53.0	107	106	70-130	1	20	
Styrene	ug/L	<0.47	50	50	52.4	53.3	105	107	70-130	2	20	
Tetrachloroethene	ug/L	<0.33	50	50	47.0	47.8	94	96	70-130	2	20	
Toluene	ug/L	<0.17	50	50	52.8	53.7	106	107	80-131	2	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	53.5	57.5	107	115	73-148	7	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	47.6	49.6	95	99	70-130	4	20	
Trichloroethene	ug/L	<0.26	50	50	53.4	54.3	107	109	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	64.4	66.5	129	133	74-147	3	20	
Vinyl chloride	ug/L	<0.17	50	50	44.7	44.8	89	90	41-129	0	20	
4-Bromofluorobenzene (S)	%						102	102	70-130			
Dibromofluoromethane (S)	%						110	112	70-130			
Toluene-d8 (S)	%						99	102	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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: HEIMES GARAGE
Pace Project No.: 40202706

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

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HEIMES GARAGE
Pace Project No.: 40202706

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40202706001	**MW-1**	EPA 8260	346774		
40202706002	**MW-2**	EPA 8260	346774		
40202706003	**MW-3**	EPA 8260	346774		
40202706004	**MW-4**	EPA 8260	346774		
40202706005	**MW-5**	EPA 8260	346774		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

40202706

Pace Analytical®
www.pacelabs.com

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

(Please Print Clearly)	
Company Name:	Midwest Env. Consulting
Branch/Location:	Burlington, WI
Project Contact:	Sean Crawley
Phone:	262-237-4351
Project Number:	—
Project Name:	Heimes Garage
Project State:	WI
Sampled By (Print):	Sean Crawley
Sampled By (Sign):	Sean Crawley
PO #:	PECFA VAC
Regulatory Program:	

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 = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-1	1/29/20	0950	GW	N	B	VOCs	PECFA VAC		
002	MW-2		1215				X			
003	MW-3		1235							
004	MW-4		1240							
005	MW-5		1245							

NC

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

Transmit Prelim Rush Results by (complete what you want):

Email #1:	mwenviroconsulting@gmail.com
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Sean Crawley	1/30/20 11:40	Mary Fannin	1/30/20 11:40
Mary Fannin	1/30/20 1545		
CS Logistics	1-31-20 0800	Susan Kluge	1-31-20 0800

PACE Project No.
40202706

Receipt Temp = 2.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 9.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Sample Preservation Receipt Form

Client Name: Midwest Env Project # 40202706

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	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																																	2.5 / 5 / 10
002																		W									3						2.5 / 5 / 10
003																		W															2.5 / 5 / 10
004																		W									2						2.5 / 5 / 10
005																		W															2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
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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																												1/31/20			8u		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	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:	

Pace Analytical 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 Env. Project #:

WO# : 40202706

40202706

Courier: ☒ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used SR - N/A **Type of Ice:** ~~Wet~~ Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROL /Corr:

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents:
Date: 1-31-20
Initials: SW

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. No Pg #, Mail, Invoice 1-31-20 SW
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☐Yes ☑No ☐N/A	12. No times/Date 1-31-20 SW
Trip Blank Present:	☐Yes ☑No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑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: _____ **Date:** 1/31/20

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

April 08, 2020

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

RE: Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Dear Sean Cranley:

Enclosed are the analytical results for sample(s) received by the laboratory on April 03, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,

Laurie Woelfel

Laurie Woelfel
laurie.woelfel@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40205655001	**MW-1**	Water	03/31/20 15:35	04/03/20 08:50
40205655002	**MW-2**	Water	03/31/20 15:20	04/03/20 08:50
40205655003	**MW-3**	Water	03/31/20 14:15	04/03/20 08:50
40205655004	**MW-4**	Water	03/31/20 14:20	04/03/20 08:50
40205655005	**MW-5**	Water	03/31/20 14:25	04/03/20 08:50
40205655006	**MW-6**	Water	03/31/20 14:30	04/03/20 08:50
40205655007	**MW-7**	Water	03/31/20 15:15	04/03/20 08:50
40205655008	**MW-8**	Water	03/31/20 11:40	04/03/20 08:50

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SAMPLE ANALYTE COUNT

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40205655001	**MW-1**	EPA 8260	LAP	12	PASI-G
40205655002	**MW-2**	EPA 8260	LAP	12	PASI-G
40205655003	**MW-3**	EPA 8260	LAP	12	PASI-G
40205655004	**MW-4**	EPA 8260	LAP	12	PASI-G
40205655005	**MW-5**	EPA 8260	LAP	12	PASI-G
40205655006	**MW-6**	EPA 8260	LAP	64	PASI-G
40205655007	**MW-7**	EPA 8260	HNW	64	PASI-G
40205655008	**MW-8**	EPA 8260	HNW	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40205655001	**MW-1**					
EPA 8260	Benzene	27.6	ug/L	1.0	04/06/20 11:57	
EPA 8260	Ethylbenzene	0.94J	ug/L	1.1	04/06/20 11:57	
EPA 8260	Methyl-tert-butyl ether	2.2J	ug/L	4.2	04/06/20 11:57	
EPA 8260	Naphthalene	44.2	ug/L	5.0	04/06/20 11:57	
EPA 8260	Toluene	0.72J	ug/L	0.90	04/06/20 11:57	
EPA 8260	m&p-Xylene	1.4J	ug/L	2.0	04/06/20 11:57	
40205655002	**MW-2**					
EPA 8260	Methyl-tert-butyl ether	9.3	ug/L	4.2	04/06/20 11:19	
40205655003	**MW-3**					
EPA 8260	Benzene	4.7	ug/L	1.0	04/06/20 11:38	
EPA 8260	Ethylbenzene	0.38J	ug/L	1.1	04/06/20 11:38	
EPA 8260	Methyl-tert-butyl ether	123	ug/L	4.2	04/06/20 11:38	
40205655005	**MW-5**					
EPA 8260	Methyl-tert-butyl ether	94.4	ug/L	4.2	04/06/20 15:28	
40205655007	**MW-7**					
EPA 8260	cis-1,2-Dichloroethene	5.1	ug/L	1.0	04/06/20 16:03	
EPA 8260	Tetrachloroethene	1.1J	ug/L	1.1	04/06/20 16:03	
EPA 8260	Trichloroethene	0.36J	ug/L	1.0	04/06/20 16:03	
40205655008	**MW-8**					
EPA 8260	Tetrachloroethene	0.58J	ug/L	1.1	04/06/20 16:26	

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ANALYTICAL RESULTS

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Sample: MW-1 **Lab ID: 40205655001** Collected: 03/31/20 15:35 Received: 04/03/20 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**27.6**	ug/L	1.0	0.25	1		04/06/20 11:57	71-43-2	
Ethylbenzene	**0.94J**	ug/L	1.1	0.32	1		04/06/20 11:57	100-41-4	
Methyl-tert-butyl ether	**2.2J**	ug/L	4.2	1.2	1		04/06/20 11:57	1634-04-4	
Naphthalene	**44.2**	ug/L	5.0	1.2	1		04/06/20 11:57	91-20-3	
Toluene	**0.72J**	ug/L	0.90	0.27	1		04/06/20 11:57	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/06/20 11:57	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/06/20 11:57	108-67-8	
m&p-Xylene	**1.4J**	ug/L	2.0	0.47	1		04/06/20 11:57	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		04/06/20 11:57	95-47-6	
Surrogates									
Dibromofluoromethane (S)	104	%	70-130		1		04/06/20 11:57	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/06/20 11:57	2037-26-5	
4-Bromofluorobenzene (S)	90	%	70-130		1		04/06/20 11:57	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Sample: MW-2 **Lab ID: 40205655002** Collected: 03/31/20 15:20 Received: 04/03/20 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/06/20 11:19	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/06/20 11:19	100-41-4	
Methyl-tert-butyl ether	**9.3**	ug/L	4.2	1.2	1		04/06/20 11:19	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/06/20 11:19	91-20-3	
Toluene	**<0.27**	ug/L	0.90	0.27	1		04/06/20 11:19	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/06/20 11:19	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/06/20 11:19	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		04/06/20 11:19	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		04/06/20 11:19	95-47-6	
Surrogates									
Dibromofluoromethane (S)	102	%	70-130		1		04/06/20 11:19	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/06/20 11:19	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		04/06/20 11:19	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Sample: MW-3 **Lab ID: 40205655003** Collected: 03/31/20 14:15 Received: 04/03/20 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**4.7**	ug/L	1.0	0.25	1		04/06/20 11:38	71-43-2	
Ethylbenzene	**0.38J**	ug/L	1.1	0.32	1		04/06/20 11:38	100-41-4	
Methyl-tert-butyl ether	**123**	ug/L	4.2	1.2	1		04/06/20 11:38	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/06/20 11:38	91-20-3	
Toluene	**<0.27**	ug/L	0.90	0.27	1		04/06/20 11:38	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/06/20 11:38	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/06/20 11:38	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		04/06/20 11:38	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		04/06/20 11:38	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	70-130		1		04/06/20 11:38	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		04/06/20 11:38	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-130		1		04/06/20 11:38	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Sample: MW-4 **Lab ID: 40205655004** Collected: 03/31/20 14:20 Received: 04/03/20 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/06/20 15:47	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/06/20 15:47	100-41-4	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/06/20 15:47	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/06/20 15:47	91-20-3	
Toluene	**<0.27**	ug/L	0.90	0.27	1		04/06/20 15:47	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/06/20 15:47	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/06/20 15:47	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		04/06/20 15:47	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		04/06/20 15:47	95-47-6	
Surrogates									
Dibromofluoromethane (S)	105	%	70-130		1		04/06/20 15:47	1868-53-7	HS
Toluene-d8 (S)	98	%	70-130		1		04/06/20 15:47	2037-26-5	
4-Bromofluorobenzene (S)	87	%	70-130		1		04/06/20 15:47	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Sample: MW-5 **Lab ID: 40205655005** Collected: 03/31/20 14:25 Received: 04/03/20 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/06/20 15:28	71-43-2	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/06/20 15:28	100-41-4	
Methyl-tert-butyl ether	**94.4**	ug/L	4.2	1.2	1		04/06/20 15:28	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/06/20 15:28	91-20-3	
Toluene	**<0.27**	ug/L	0.90	0.27	1		04/06/20 15:28	108-88-3	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/06/20 15:28	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/06/20 15:28	108-67-8	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		04/06/20 15:28	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		04/06/20 15:28	95-47-6	
Surrogates									
Dibromofluoromethane (S)	108	%	70-130		1		04/06/20 15:28	1868-53-7	HS
Toluene-d8 (S)	99	%	70-130		1		04/06/20 15:28	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		04/06/20 15:28	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Sample: MW-6 **Lab ID: 40205655006** Collected: 03/31/20 14:30 Received: 04/03/20 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/07/20 12:27	71-43-2	R1
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/07/20 12:27	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/07/20 12:27	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/07/20 12:27	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/07/20 12:27	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/07/20 12:27	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/07/20 12:27	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/07/20 12:27	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/07/20 12:27	98-06-6	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/07/20 12:27	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/07/20 12:27	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/07/20 12:27	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/07/20 12:27	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/07/20 12:27	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/07/20 12:27	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/07/20 12:27	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/07/20 12:27	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/07/20 12:27	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/07/20 12:27	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/07/20 12:27	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/07/20 12:27	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/07/20 12:27	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/07/20 12:27	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/07/20 12:27	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/07/20 12:27	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/07/20 12:27	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/07/20 12:27	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/07/20 12:27	156-59-2	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/07/20 12:27	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/07/20 12:27	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/07/20 12:27	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/07/20 12:27	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/07/20 12:27	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/07/20 12:27	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/07/20 12:27	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/07/20 12:27	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/07/20 12:27	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/07/20 12:27	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/07/20 12:27	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/07/20 12:27	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/07/20 12:27	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/07/20 12:27	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/07/20 12:27	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/07/20 12:27	103-65-1	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/07/20 12:27	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Sample: MW-6 **Lab ID: 40205655006** Collected: 03/31/20 14:30 Received: 04/03/20 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/07/20 12:27	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/07/20 12:27	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		04/07/20 12:27	127-18-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		04/07/20 12:27	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/07/20 12:27	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/07/20 12:27	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/07/20 12:27	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/07/20 12:27	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/07/20 12:27	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/07/20 12:27	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/07/20 12:27	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/07/20 12:27	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/07/20 12:27	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/07/20 12:27	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		04/07/20 12:27	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		04/07/20 12:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/07/20 12:27	460-00-4	
Dibromofluoromethane (S)	126	%	70-130		1		04/07/20 12:27	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		04/07/20 12:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Sample: MW-7 **Lab ID: 40205655007** Collected: 03/31/20 15:15 Received: 04/03/20 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/06/20 16:03	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/06/20 16:03	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/06/20 16:03	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/06/20 16:03	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/06/20 16:03	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/06/20 16:03	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/20 16:03	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/06/20 16:03	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/06/20 16:03	98-06-6	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/06/20 16:03	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/20 16:03	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/06/20 16:03	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/06/20 16:03	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/06/20 16:03	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/06/20 16:03	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/06/20 16:03	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/06/20 16:03	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/06/20 16:03	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/06/20 16:03	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/06/20 16:03	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/20 16:03	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/06/20 16:03	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/06/20 16:03	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/06/20 16:03	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/20 16:03	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/20 16:03	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/06/20 16:03	75-35-4	
cis-1,2-Dichloroethene	**5.1**	ug/L	1.0	0.27	1		04/06/20 16:03	156-59-2	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/06/20 16:03	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/06/20 16:03	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/06/20 16:03	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/06/20 16:03	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/06/20 16:03	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/06/20 16:03	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/06/20 16:03	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/06/20 16:03	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/06/20 16:03	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/06/20 16:03	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/06/20 16:03	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/06/20 16:03	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/06/20 16:03	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/06/20 16:03	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/06/20 16:03	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/06/20 16:03	103-65-1	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/06/20 16:03	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Sample: MW-7 **Lab ID: 40205655007** Collected: 03/31/20 15:15 Received: 04/03/20 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/20 16:03	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/20 16:03	79-34-5	
Tetrachloroethene	**1.1J**	ug/L	1.1	0.33	1		04/06/20 16:03	127-18-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		04/06/20 16:03	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/06/20 16:03	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/06/20 16:03	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/06/20 16:03	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/06/20 16:03	79-00-5	
Trichloroethene	**0.36J**	ug/L	1.0	0.26	1		04/06/20 16:03	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/06/20 16:03	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/06/20 16:03	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/06/20 16:03	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/06/20 16:03	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/06/20 16:03	75-01-4	L2
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		04/06/20 16:03	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		04/06/20 16:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/06/20 16:03	460-00-4	HS
Dibromofluoromethane (S)	92	%	70-130		1		04/06/20 16:03	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/06/20 16:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Sample: MW-8 **Lab ID: 40205655008** Collected: 03/31/20 11:40 Received: 04/03/20 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.25**	ug/L	1.0	0.25	1		04/06/20 16:26	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		04/06/20 16:26	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/06/20 16:26	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		04/06/20 16:26	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		04/06/20 16:26	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		04/06/20 16:26	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/20 16:26	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		04/06/20 16:26	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		04/06/20 16:26	98-06-6	
Carbon tetrachloride	**<1.1**	ug/L	3.6	1.1	1		04/06/20 16:26	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/20 16:26	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		04/06/20 16:26	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/06/20 16:26	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		04/06/20 16:26	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		04/06/20 16:26	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		04/06/20 16:26	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		04/06/20 16:26	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		04/06/20 16:26	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		04/06/20 16:26	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		04/06/20 16:26	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		04/06/20 16:26	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		04/06/20 16:26	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		04/06/20 16:26	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		04/06/20 16:26	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/20 16:26	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/20 16:26	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		04/06/20 16:26	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		04/06/20 16:26	156-59-2	
trans-1,2-Dichloroethene	**<0.46**	ug/L	1.5	0.46	1		04/06/20 16:26	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		04/06/20 16:26	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		04/06/20 16:26	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		04/06/20 16:26	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		04/06/20 16:26	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		04/06/20 16:26	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		04/06/20 16:26	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		04/06/20 16:26	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		04/06/20 16:26	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		04/06/20 16:26	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		04/06/20 16:26	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		04/06/20 16:26	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		04/06/20 16:26	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		04/06/20 16:26	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		04/06/20 16:26	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		04/06/20 16:26	103-65-1	
Styrene	**<3.0**	ug/L	10.0	3.0	1		04/06/20 16:26	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Sample: MW-8 **Lab ID: 40205655008** Collected: 03/31/20 11:40 Received: 04/03/20 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		04/06/20 16:26	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		04/06/20 16:26	79-34-5	
Tetrachloroethene	**0.58J**	ug/L	1.1	0.33	1		04/06/20 16:26	127-18-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		04/06/20 16:26	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		04/06/20 16:26	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/06/20 16:26	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/06/20 16:26	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		04/06/20 16:26	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/06/20 16:26	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		04/06/20 16:26	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		04/06/20 16:26	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		04/06/20 16:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		04/06/20 16:26	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/06/20 16:26	75-01-4	L2
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		04/06/20 16:26	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		04/06/20 16:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/06/20 16:26	460-00-4	HS
Dibromofluoromethane (S)	93	%	70-130		1		04/06/20 16:26	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		04/06/20 16:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

QC Batch: 351803
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40205655007, 40205655008

METHOD BLANK: 2036941 Matrix: Water
Associated Lab Samples: 40205655007, 40205655008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	04/06/20 07:26	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	04/06/20 07:26	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	04/06/20 07:26	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	04/06/20 07:26	
1,1-Dichloroethane	ug/L	<0.27	1.0	04/06/20 07:26	
1,1-Dichloroethene	ug/L	<0.24	1.0	04/06/20 07:26	
1,1-Dichloropropene	ug/L	<0.54	1.8	04/06/20 07:26	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	04/06/20 07:26	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	04/06/20 07:26	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/06/20 07:26	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/06/20 07:26	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	04/06/20 07:26	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	04/06/20 07:26	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	04/06/20 07:26	
1,2-Dichloroethane	ug/L	<0.28	1.0	04/06/20 07:26	
1,2-Dichloropropane	ug/L	<0.28	1.0	04/06/20 07:26	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/06/20 07:26	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	04/06/20 07:26	
1,3-Dichloropropane	ug/L	<0.83	2.8	04/06/20 07:26	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	04/06/20 07:26	
2,2-Dichloropropane	ug/L	<2.3	7.6	04/06/20 07:26	
2-Chlorotoluene	ug/L	<0.93	5.0	04/06/20 07:26	
4-Chlorotoluene	ug/L	<0.76	2.5	04/06/20 07:26	
Benzene	ug/L	<0.25	1.0	04/06/20 07:26	
Bromobenzene	ug/L	<0.24	1.0	04/06/20 07:26	
Bromochloromethane	ug/L	<0.36	5.0	04/06/20 07:26	
Bromodichloromethane	ug/L	<0.36	1.2	04/06/20 07:26	
Bromoform	ug/L	<4.0	13.2	04/06/20 07:26	
Bromomethane	ug/L	<0.97	5.0	04/06/20 07:26	
Carbon tetrachloride	ug/L	<1.1	3.6	04/06/20 07:26	
Chlorobenzene	ug/L	<0.71	2.4	04/06/20 07:26	
Chloroethane	ug/L	<1.3	5.0	04/06/20 07:26	
Chloroform	ug/L	<1.3	5.0	04/06/20 07:26	
Chloromethane	ug/L	<2.2	7.3	04/06/20 07:26	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	04/06/20 07:26	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	04/06/20 07:26	
Dibromochloromethane	ug/L	<2.6	8.7	04/06/20 07:26	
Dibromomethane	ug/L	<0.94	3.1	04/06/20 07:26	
Dichlorodifluoromethane	ug/L	<0.50	5.0	04/06/20 07:26	
Diisopropyl ether	ug/L	<1.9	6.3	04/06/20 07:26	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

METHOD BLANK: 2036941 Matrix: Water
Associated Lab Samples: 40205655007, 40205655008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	04/06/20 07:26	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	04/06/20 07:26	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	04/06/20 07:26	
m&p-Xylene	ug/L	<0.47	2.0	04/06/20 07:26	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/06/20 07:26	
Methylene Chloride	ug/L	<0.58	5.0	04/06/20 07:26	
n-Butylbenzene	ug/L	<0.71	2.4	04/06/20 07:26	
n-Propylbenzene	ug/L	<0.81	5.0	04/06/20 07:26	
Naphthalene	ug/L	<1.2	5.0	04/06/20 07:26	
o-Xylene	ug/L	<0.26	1.0	04/06/20 07:26	
p-Isopropyltoluene	ug/L	<0.80	2.7	04/06/20 07:26	
sec-Butylbenzene	ug/L	<0.85	5.0	04/06/20 07:26	
Styrene	ug/L	<3.0	10.0	04/06/20 07:26	
tert-Butylbenzene	ug/L	<0.30	1.0	04/06/20 07:26	
Tetrachloroethene	ug/L	<0.33	1.1	04/06/20 07:26	
Toluene	ug/L	<0.27	0.90	04/06/20 07:26	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	04/06/20 07:26	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	04/06/20 07:26	
Trichloroethene	ug/L	<0.26	1.0	04/06/20 07:26	
Trichlorofluoromethane	ug/L	<0.21	1.0	04/06/20 07:26	
Vinyl chloride	ug/L	<0.17	1.0	04/06/20 07:26	
4-Bromofluorobenzene (S)	%	96	70-130	04/06/20 07:26	
Dibromofluoromethane (S)	%	93	70-130	04/06/20 07:26	
Toluene-d8 (S)	%	97	70-130	04/06/20 07:26	

LABORATORY CONTROL SAMPLE: 2036942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	43.6	87	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	45.5	91	64-131	
1,1,2-Trichloroethane	ug/L	50	48.4	97	70-130	
1,1-Dichloroethane	ug/L	50	41.4	83	69-163	
1,1-Dichloroethene	ug/L	50	39.6	79	77-123	
1,2,4-Trichlorobenzene	ug/L	50	49.2	98	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	35.3	71	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	47.5	95	70-130	
1,2-Dichlorobenzene	ug/L	50	50.3	101	70-130	
1,2-Dichloroethane	ug/L	50	44.6	89	78-142	
1,2-Dichloropropane	ug/L	50	48.7	97	86-134	
1,3-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,4-Dichlorobenzene	ug/L	50	50.7	101	70-130	
Benzene	ug/L	50	45.4	91	70-130	
Bromodichloromethane	ug/L	50	48.3	97	70-130	
Bromoform	ug/L	50	43.8	88	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

LABORATORY CONTROL SAMPLE: 2036942

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	21.9	44	39-129	
Carbon tetrachloride	ug/L	50	44.9	90	70-132	
Chlorobenzene	ug/L	50	51.2	102	70-130	
Chloroethane	ug/L	50	33.4	67	66-140	
Chloroform	ug/L	50	44.8	90	75-132	
Chloromethane	ug/L	50	19.7	39	32-143	
cis-1,2-Dichloroethene	ug/L	50	45.3	91	70-130	
cis-1,3-Dichloropropene	ug/L	50	44.1	88	70-130	
Dibromochloromethane	ug/L	50	51.2	102	70-130	
Dichlorodifluoromethane	ug/L	50	12.4	25	10-141	
Ethylbenzene	ug/L	50	50.4	101	80-120	
Isopropylbenzene (Cumene)	ug/L	50	51.0	102	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	36.9	74	61-129	
Methylene Chloride	ug/L	50	37.7	75	70-130	
o-Xylene	ug/L	50	49.5	99	70-130	
Styrene	ug/L	50	50.8	102	70-130	
Tetrachloroethene	ug/L	50	57.5	115	70-130	
Toluene	ug/L	50	50.0	100	80-120	
trans-1,2-Dichloroethene	ug/L	50	41.0	82	70-130	
trans-1,3-Dichloropropene	ug/L	50	41.3	83	69-130	
Trichloroethene	ug/L	50	53.0	106	70-130	
Trichlorofluoromethane	ug/L	50	45.5	91	75-145	
Vinyl chloride	ug/L	50	25.0	50	51-140	L2
4-Bromofluorobenzene (S)	%			96	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			96	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

QC Batch: 351891
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40205655006

METHOD BLANK: 2037268 Matrix: Water
Associated Lab Samples: 40205655006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	04/07/20 09:50	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	04/07/20 09:50	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	04/07/20 09:50	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	04/07/20 09:50	
1,1-Dichloroethane	ug/L	<0.27	1.0	04/07/20 09:50	
1,1-Dichloroethene	ug/L	<0.24	1.0	04/07/20 09:50	
1,1-Dichloropropene	ug/L	<0.54	1.8	04/07/20 09:50	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	04/07/20 09:50	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	04/07/20 09:50	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/07/20 09:50	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/07/20 09:50	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	04/07/20 09:50	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	04/07/20 09:50	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	04/07/20 09:50	
1,2-Dichloroethane	ug/L	<0.28	1.0	04/07/20 09:50	
1,2-Dichloropropane	ug/L	<0.28	1.0	04/07/20 09:50	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/07/20 09:50	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	04/07/20 09:50	
1,3-Dichloropropane	ug/L	<0.83	2.8	04/07/20 09:50	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	04/07/20 09:50	
2,2-Dichloropropane	ug/L	<2.3	7.6	04/07/20 09:50	
2-Chlorotoluene	ug/L	<0.93	5.0	04/07/20 09:50	
4-Chlorotoluene	ug/L	<0.76	2.5	04/07/20 09:50	
Benzene	ug/L	<0.25	1.0	04/07/20 09:50	
Bromobenzene	ug/L	<0.24	1.0	04/07/20 09:50	
Bromochloromethane	ug/L	<0.36	5.0	04/07/20 09:50	
Bromodichloromethane	ug/L	<0.36	1.2	04/07/20 09:50	
Bromoform	ug/L	<4.0	13.2	04/07/20 09:50	
Bromomethane	ug/L	<0.97	5.0	04/07/20 09:50	
Carbon tetrachloride	ug/L	<1.1	3.6	04/07/20 09:50	
Chlorobenzene	ug/L	<0.71	2.4	04/07/20 09:50	
Chloroethane	ug/L	<1.3	5.0	04/07/20 09:50	
Chloroform	ug/L	<1.3	5.0	04/07/20 09:50	
Chloromethane	ug/L	<2.2	7.3	04/07/20 09:50	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	04/07/20 09:50	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	04/07/20 09:50	
Dibromochloromethane	ug/L	<2.6	8.7	04/07/20 09:50	
Dibromomethane	ug/L	<0.94	3.1	04/07/20 09:50	
Dichlorodifluoromethane	ug/L	<0.50	5.0	04/07/20 09:50	
Diisopropyl ether	ug/L	<1.9	6.3	04/07/20 09:50	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

METHOD BLANK: 2037268 Matrix: Water
Associated Lab Samples: 40205655006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	04/07/20 09:50	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	04/07/20 09:50	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	04/07/20 09:50	
m&p-Xylene	ug/L	<0.47	2.0	04/07/20 09:50	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/07/20 09:50	
Methylene Chloride	ug/L	<0.58	5.0	04/07/20 09:50	
n-Butylbenzene	ug/L	<0.71	2.4	04/07/20 09:50	
n-Propylbenzene	ug/L	<0.81	5.0	04/07/20 09:50	
Naphthalene	ug/L	<1.2	5.0	04/07/20 09:50	
o-Xylene	ug/L	<0.26	1.0	04/07/20 09:50	
p-Isopropyltoluene	ug/L	<0.80	2.7	04/07/20 09:50	
sec-Butylbenzene	ug/L	<0.85	5.0	04/07/20 09:50	
Styrene	ug/L	<3.0	10.0	04/07/20 09:50	
tert-Butylbenzene	ug/L	<0.30	1.0	04/07/20 09:50	
Tetrachloroethene	ug/L	<0.33	1.1	04/07/20 09:50	
Toluene	ug/L	<0.27	0.90	04/07/20 09:50	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	04/07/20 09:50	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	04/07/20 09:50	
Trichloroethene	ug/L	<0.26	1.0	04/07/20 09:50	
Trichlorofluoromethane	ug/L	<0.21	1.0	04/07/20 09:50	
Vinyl chloride	ug/L	<0.17	1.0	04/07/20 09:50	
4-Bromofluorobenzene (S)	%	100	70-130	04/07/20 09:50	
Dibromofluoromethane (S)	%	121	70-130	04/07/20 09:50	
Toluene-d8 (S)	%	100	70-130	04/07/20 09:50	

LABORATORY CONTROL SAMPLE: 2037269

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.2	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.5	103	64-131	
1,1,2-Trichloroethane	ug/L	50	52.1	104	70-130	
1,1-Dichloroethane	ug/L	50	53.3	107	69-163	
1,1-Dichloroethene	ug/L	50	48.3	97	77-123	
1,2,4-Trichlorobenzene	ug/L	50	52.4	105	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.7	91	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.9	104	70-130	
1,2-Dichlorobenzene	ug/L	50	54.0	108	70-130	
1,2-Dichloroethane	ug/L	50	53.4	107	78-142	
1,2-Dichloropropane	ug/L	50	51.6	103	86-134	
1,3-Dichlorobenzene	ug/L	50	55.8	112	70-130	
1,4-Dichlorobenzene	ug/L	50	56.8	114	70-130	
Benzene	ug/L	50	52.2	104	70-130	
Bromodichloromethane	ug/L	50	55.2	110	70-130	
Bromoform	ug/L	50	52.5	105	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

LABORATORY CONTROL SAMPLE: 2037269

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	36.8	74	39-129	
Carbon tetrachloride	ug/L	50	60.0	120	70-132	
Chlorobenzene	ug/L	50	55.0	110	70-130	
Chloroethane	ug/L	50	51.9	104	66-140	
Chloroform	ug/L	50	55.7	111	75-132	
Chloromethane	ug/L	50	43.9	88	32-143	
cis-1,2-Dichloroethene	ug/L	50	52.5	105	70-130	
cis-1,3-Dichloropropene	ug/L	50	56.3	113	70-130	
Dibromochloromethane	ug/L	50	54.4	109	70-130	
Dichlorodifluoromethane	ug/L	50	46.5	93	10-141	
Ethylbenzene	ug/L	50	57.2	114	80-120	
Isopropylbenzene (Cumene)	ug/L	50	57.7	115	70-130	
m&p-Xylene	ug/L	100	115	115	70-130	
Methyl-tert-butyl ether	ug/L	50	48.8	98	61-129	
Methylene Chloride	ug/L	50	47.8	96	70-130	
o-Xylene	ug/L	50	54.8	110	70-130	
Styrene	ug/L	50	56.2	112	70-130	
Tetrachloroethene	ug/L	50	52.1	104	70-130	
Toluene	ug/L	50	54.0	108	80-120	
trans-1,2-Dichloroethene	ug/L	50	54.9	110	70-130	
trans-1,3-Dichloropropene	ug/L	50	53.9	108	69-130	
Trichloroethene	ug/L	50	54.4	109	70-130	
Trichlorofluoromethane	ug/L	50	65.9	132	75-145	
Vinyl chloride	ug/L	50	44.5	89	51-140	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			107	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2037388 2037389

Parameter	Units	40205655006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	53.5	56.9	107	114	70-130	6	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	55.9	58.8	112	118	64-137	5	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50.3	52.6	101	105	70-137	4	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	49.5	53.4	99	107	69-163	8	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	45.4	49.3	91	99	77-129	8	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	48.0	53.3	96	107	68-130	10	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	45.1	48.6	90	97	60-130	7	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	50.2	53.6	100	107	70-130	6	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.5	55.5	103	111	70-130	8	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	56.3	56.7	113	113	78-145	1	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	50.7	53.3	101	107	86-135	5	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	53.9	57.9	108	116	70-130	7	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2037388 2037389

Parameter	Units	40205655006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	<0.94	50	50	54.4	58.9	109	118	70-130	8	20	
Benzene	ug/L	<0.25	50	50	67.5	52.2	135	104	70-136	26	20	R1
Bromodichloromethane	ug/L	<0.36	50	50	52.6	54.9	105	110	70-130	4	20	
Bromoform	ug/L	<4.0	50	50	50.0	54.5	100	109	69-130	9	20	
Bromomethane	ug/L	<0.97	50	50	34.3	38.6	69	77	39-138	12	20	
Carbon tetrachloride	ug/L	<1.1	50	50	57.9	61.8	116	124	70-142	6	20	
Chlorobenzene	ug/L	<0.71	50	50	53.8	57.2	108	114	70-130	6	20	
Chloroethane	ug/L	<1.3	50	50	49.8	52.3	100	105	61-149	5	20	
Chloroform	ug/L	<1.3	50	50	53.1	56.0	106	112	75-133	5	20	
Chloromethane	ug/L	<2.2	50	50	41.7	43.3	83	87	32-143	4	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	50.0	54.8	100	110	70-130	9	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	52.1	55.5	104	111	70-130	6	20	
Dibromochloromethane	ug/L	<2.6	50	50	52.3	55.2	105	110	70-130	5	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	44.9	46.7	90	93	10-141	4	20	
Ethylbenzene	ug/L	<0.32	50	50	55.5	58.9	111	118	80-120	6	20	
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	56.8	60.8	114	122	70-130	7	20	
m&p-Xylene	ug/L	<0.47	100	100	111	121	111	121	70-130	8	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	46.5	48.4	93	97	61-136	4	20	
Methylene Chloride	ug/L	<0.58	50	50	44.7	47.0	89	94	68-137	5	20	
o-Xylene	ug/L	<0.26	50	50	54.6	58.1	109	116	70-130	6	20	
Styrene	ug/L	<3.0	50	50	55.8	56.8	112	114	70-130	2	20	
Tetrachloroethene	ug/L	<0.33	50	50	51.6	55.2	103	110	70-130	7	20	
Toluene	ug/L	<0.27	50	50	52.6	57.0	105	114	80-120	8	20	
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	50.9	54.1	102	108	70-130	6	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	51.8	55.5	104	111	69-130	7	20	
Trichloroethene	ug/L	<0.26	50	50	49.3	53.1	99	106	70-130	7	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	66.4	70.5	133	141	74-157	6	20	
Vinyl chloride	ug/L	<0.17	50	50	41.4	43.7	83	87	51-140	5	20	
4-Bromofluorobenzene (S)	%						104	101	70-130			
Dibromofluoromethane (S)	%						114	114	70-130			
Toluene-d8 (S)	%						101	101	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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

QC Batch: 351786
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST-WATER
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40205655001, 40205655002, 40205655003, 40205655004, 40205655005

METHOD BLANK: 2036915 Matrix: Water
Associated Lab Samples: 40205655001, 40205655002, 40205655003, 40205655004, 40205655005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/06/20 08:27	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/06/20 08:27	
Benzene	ug/L	<0.25	1.0	04/06/20 08:27	
Ethylbenzene	ug/L	<0.32	1.1	04/06/20 08:27	
m&p-Xylene	ug/L	<0.47	2.0	04/06/20 08:27	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/06/20 08:27	
Naphthalene	ug/L	<1.2	5.0	04/06/20 08:27	
o-Xylene	ug/L	<0.26	1.0	04/06/20 08:27	
Toluene	ug/L	<0.27	0.90	04/06/20 08:27	
4-Bromofluorobenzene (S)	%	86	70-130	04/06/20 08:27	
Dibromofluoromethane (S)	%	100	70-130	04/06/20 08:27	
Toluene-d8 (S)	%	101	70-130	04/06/20 08:27	

LABORATORY CONTROL SAMPLE: 2036916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	56.3	113	70-130	
Ethylbenzene	ug/L	50	52.1	104	80-120	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	45.9	92	61-129	
o-Xylene	ug/L	50	50.5	101	70-130	
Toluene	ug/L	50	51.5	103	80-120	
4-Bromofluorobenzene (S)	%			93	70-130	
Dibromofluoromethane (S)	%			109	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036977 2036978

Parameter	Units	40205637001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	55.6	52.3	111	105	70-136	6	20	
Ethylbenzene	ug/L	<0.32	50	50	53.9	49.3	107	98	80-120	9	20	
m&p-Xylene	ug/L	<0.47	100	100	102	95.6	102	95	70-130	7	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	48.1	46.5	96	93	61-136	3	20	
o-Xylene	ug/L	0.35J	50	50	50.8	46.5	101	92	70-130	9	20	
Toluene	ug/L	1.8	50	50	54.6	52.9	105	102	80-120	3	20	
4-Bromofluorobenzene (S)	%						92	89	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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2036977 2036978

Parameter	Units	40205637001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S)	%						107	105	70-130			
Toluene-d8 (S)	%						101	103	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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HEINES GARAGE-FORMEN
Pace Project No.: 40205655

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40205655006	**MW-6**	EPA 8260	351891		
40205655007	**MW-7**	EPA 8260	351803		
40205655008	**MW-8**	EPA 8260	351803		
40205655001	**MW-1**	EPA 8260	351786		
40205655002	**MW-2**	EPA 8260	351786		
40205655003	**MW-3**	EPA 8260	351786		
40205655004	**MW-4**	EPA 8260	351786		
40205655005	**MW-5**	EPA 8260	351786		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

4105055

(Please Print Clearly)	
Company Name:	Midwest Env. Consulting
Branch/Location:	Burlington, WI
Project Contact:	Sean Crowley
Phone:	262-237-4351
Project Number:	
Project Name:	Heimes Garage-Former
Project State:	WI
Sampled By (Print):	Sean Crowley
Sampled By (Sign):	Sean Crowley
PO #:	Regulatory Program:

*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

Quote #:	PECHA UNC
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, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC, Naph	Analyses Requested: VOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	B					
					N	B					
001	MW-1	3/31/20	3:35	GW			X				
002	MW-2		3:20								
003	MW-3		2:15								
004	MW-4		2:20								
005	MW-5		2:25								
006	MW-6		2:30					X			
009	MW-7		3:15								
008	MW-8		11:40								

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Sean Crowley	4/2/20 0800		
C.S Logistics	4/3/20 0850	[illegible]	4/3/20 0850

PACE Project No.: 4105055

Receipt Temp = [illegible] °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

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

Sample Preservation Receipt Form

Client Name: Midwest Env. Project # 40209155

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:

	Glass							Plastic					Vials						Jars				General							
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																	3																2.5 / 5 / 10
002																	3																2.5 / 5 / 10
003																	3										2						2.5 / 5 / 10
004																	3										3						2.5 / 5 / 10
005																	3										3						2.5 / 5 / 10
006																	3																2.5 / 5 / 10
007																	3										3						2.5 / 5 / 10
008																	3										3						2.5 / 5 / 10
009																																	2.5 / 5 / 10
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012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																												4/3/20					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
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: **WO# : 40205655**

40205655

Client Name: Midwest Env. Consulting

Courier: ☒ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other:

Tracking #: 456040220

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: 0.0 /Corr:

Temp Blank Present: ☐ yes ☒ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents:

Date: 4/3/20 /Initials: NP

Labeled By Initials: BL

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. NO Prf, Invoice 4/3/20 NP
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☐Yes ☒No ☐N/A	12. NO Time on Samples 001-008. 4/3/20 NP
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☐Yes ☐No ☒N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi