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City of Kenosha
Kenosha, Wisconsin

Prepared by:
AECOM
Milwaukee, WI
60578411
November 2018

Former Speedway Station Site Investigation Report

704 75th Street, Kenosha, Wisconsin 53143

WDNR BRRTS # 03-30-532981

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"I, Lanette L. Altenbach certify that I am a hydrogeologist as that term is defined in s.NR712.03(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 chs. NR700 to 726, Wis. Adm. Code."

Sarah Engelhardt
Geologist

Lanette L. Altenbach, P.G., CPG
Senior Hydrogeologist

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Executive Summary

The former gas station property is an approximately 0.35-acre parcel located at 704 75th Street, Kenosha, Kenosha County, Wisconsin 53143. The subject property is bordered to the north and west by residential properties, to the south by 75th Street beyond which is a convenience store and to the east by 7th Avenue, beyond which is a dentist office.

Five underground storage tanks (USTs) were historically located on the subject property. One was removed in 2001 and a petroleum release was not identified for this UST. Four other USTs (three active and one abandoned in-place) were removed in 2014. Soil sampling at the time of the 2014 UST removals indicated impacts to the soil, above groundwater pathway RCLs, existed at the south end of the tank pit. No impacted soil was removed from the site during the UST removal activities.

Nine soil probes were advanced to an approximate depth of 20 feet below ground surface (bgs); four of the probes were converted to groundwater monitoring wells where the screens were installed such that they intersect the water table. The nine soil probes were labeled SB-1 through SB-5 and MW-1 through MW-4.

Soils at the site generally consisted of fine to coarse grained sand with a layer of organic rich (peat) material, overlying silt and clay. Occasionally another layer of sand was observed at the bottom of the probe at 20 feet bgs. Groundwater depth was approximately 10' bgs with a calculated south easterly groundwater flow direction. Odor was observed in soil samples with black sand (MW-2, SB-2, SB-3, and SB-4) and these soils occurred at the water table or just above in the capillary fringe.

Petroleum impact to soil was observed at the water table (9-10'bgs) in TSSA samples and site investigation samples. 1,2,4-Trimethylbenzene and naphthalene were detected above the groundwater pathway RCL at MW-2 and SB-3. Naphthalene, as a VOC, was detected above the non-industrial direct contact RCL at MW-2. PAHs were detected below generic RCLs in seven samples. Naphthalene, as a PAH, in sample MW-2 (9-10'bgs) was the only analyte detected above its groundwater pathway RCL.

Petroleum impact to groundwater includes benzene and methyl-tert-butyl-ether at MW-2 detected at concentrations above the preventive action limit. A source area in soil for the benzene impact was not identified in the TSSA samples or this site investigation. The detected 1,2,4-TMB in the MW-2 groundwater sample is attributable to 1,2,3-TMB concentrations in soil at the water table.

Non-petroleum analytes (bromomethane, chloromethane, bromodichloromethane and chloroform) detected in the groundwater above groundwater quality standards are attributable to anthropogenic uses of these compounds and are not related to a release from the site.

Based on this site investigation, the following has been concluded:

- Neither direct contact RCLs nor groundwater pathway RCLs were exceeded in the shallow (0-4'bgs) soil samples collected.
- Residual petroleum impacts (1,2,4-trimethylbenzene and naphthalene) detected in the soil, at the water table (9-10'bgs), are consistent with a release from historic USTs. These impacted soils are near the southeast corner of the subject property.

- Residual petroleum impacts (benzene and methyl-tert-butyl-ether) were detected in groundwater from MW-2, above the PAL, and are consistent with a release from historic USTs. The groundwater impacts are near the southeast corner of the subject property.
- Vapor intrusion is not considered to be a concern at the subject property because free-phase product is not present, the former building foundation is greater than five feet (horizontally and vertically) from a RCL exceedance in soil, and the groundwater on the subject property is not presently in contact with the former building foundation.

1.0 Introduction & Site Setting

1.1 Site Location

The subject property is located at 704 75th Street in the City of Kenosha, Kenosha County, Wisconsin. The subject property is further described as located in the Southeast ¼ of the Southeast ¼ of Section 06, Township 1 North, Range 23 East in the City of Kenosha, Kenosha County, Wisconsin. The location of the subject property is shown in Figure 1, the Location Map. WTM Coordinates are: 698978 (East), 234934 (North).

The following parties participated in the site investigation:

Site Owner	City of Kenosha 625 52nd Street Kenosha, Wisconsin 53140	Ms. Shelly Billingsley, PE Director of Public Works (262) 653-4150
Environmental Consultant	AECOM 1555 N. RiverCenter Drive, Suite 214 Milwaukee, Wisconsin 53212	Ms. Lanette Altenbach, P.G. Senior Hydrogeologist (414) 944-6186
Drilling Subcontractor	OnSite Environmental Services PO Box 280 Sun Prairie, WI 53590	Ms. Kim Kapugi 608-837-8992
Analytical Laboratory	Pace Analytical 1795 Industrial Drive Green Bay, WI 54302	Mr. Chris Hyska (920) 469-2436

1.2 Site Background

The 0.35-acre former gas station (subject property) is located at 704 75th Street, Kenosha, Kenosha County, Wisconsin 53143. The subject property is situated approximately ⅓-mile west of Lake Michigan on 75th Street and is accessed from 75th Street (southern property boundary) and 7th Avenue (eastern property boundary). The subject property was most recently used as a gasoline station and convenience store. The facility's retail names included Superamerica and Speedway. The subject property is bordered to the north and west by residential properties, to the south by 75th Street beyond which is Southport Pantry (convenience store) and to the east by 7th Avenue, beyond which is SPS Dental (dentist office). The site layout is depicted in Figure 2.

Underground Storage Tank (UST) Removals

A total of five underground storage tanks were historically located on the subject property. Each of these USTs has been removed from the subject property.

A 550-gallon fuel oil UST with registration number 817141, was located on the north side of the former convenience store building and was removed in 2001 by SIGMA Environmental Services Inc. (Sigma). According to the Sigma report, the UST measured approximately 4-feet in diameter by 6-feet long. Pitting or holes were not observed on this UST and no obvious signs of contamination were observed within the UST excavation. One soil sample was collected at the excavation base (6' below ground surface [bgs]) and analyzed for Diesel Range Organics (DRO); DRO was not detected above the laboratory reporting limit. Underground vent piping from the UST extended west toward the former convenience store building and was removed during closure.

In 2014, REI, under contract to the WDNR, conducted the removal of four tanks in response to an order from the Department of Justice for UST removal. Three USTs were each 8,000-gallon in size and contained unleaded gasoline, with registration numbers 404303, 404304 and 404305 respectively. The fifth UST was a 12,000-gallon tank, previously abandoned in place, filled with gravel and identified with registration number 404306. The gravel was removed and disposed of prior to tank removal. These four USTs were located on the east side of the former convenience store building. During the UST removals stained soils and petroleum odor were detected. Soil samples were collected and analyzed for petroleum volatile organic compounds (PVOCs) from the tank pit, piping run and dispenser islands. PVOCs were detected in 11 of the 20 samples and the PVOC concentrations in three bottom samples (SS-17, SS-18 and SS-20) were above the Groundwater Pathway Residual Contaminant Levels (RCLs).

1.3 Purpose and Scope

The purpose of the site investigation was to evaluate the extent of petroleum impacts to the soil and to evaluate the groundwater quality at the site. The scope of the site investigation included soil samples collected from nine locations. Five locations were placed around the TSSA samples with detected PVOCs above the RCLs and four locations were placed to evaluate the groundwater at the property boundaries due to the small size (approximately 1/3 acre) of the subject property.

1.4 Site Topography

According to the United States Geological Survey 7.5-minute (USGS) topographic map of the subject property area (Kenosha quadrangle) and a review of the Google Earth application, the elevation of the subject property is approximately 605 feet above mean sea level. Based on a review of these technical resources and AECOM's site visit, the subject property appears to be generally flat with a slight downward slope to the east toward Lake Michigan.

1.5 Regional Geology

The subject property is underlain with Boyer loamy sand. The Boyer loamy sand soils have moderate infiltration rates and are moderately well and well drained soils. These soils are described as moderately coarse textured soils down to depth of approximately 60 inches. The Boyer loamy sand soils are classified as non-hydric (not supporting wetlands). Additionally, the bedrock geology of the subject property is of the Paleozoic era, Silurian system, Middle Silurian (Niagrian), and is predominantly dolomite.

1.6 Regional Hydrogeology

Regional bedrock groundwater flow in the area is to the east toward Lake Michigan (Skinner, 1973).

1.7 Potential Exposure Pathways

The subject property is serviced by the City of Kenosha municipal water supply and sanitary sewer. The City of Kenosha uses Lake Michigan for its potable water supply.

Land use near the subject property is residential and small neighborhood business. Southport Elementary School is located at 723 76th St, one block (430 feet) south of the subject property. Additionally, St James Cemetery is located at 7002, 7th Ave, approximately 750 feet to the north.

1.7.1 Direct Contact Pathway

The former gas station area is located on the northwest corner of 75th Street and 7th Avenue next to residential properties located to the north and west. Driveway access to the subject property is from

both 75th Street and 7th Avenue. The current pavement and surficial materials serve as a direct contact barrier.

1.7.2 Groundwater Pathway

Post-UST-removal soil testing indicated petroleum contaminated soil concentrations above the WDNR Groundwater Pathway RCLs near the southeast corner of the property. A groundwater assessment was conducted as part of this site investigation to further evaluate this pathway.

1.7.3 Vapor Intrusion

Soil contamination (petroleum VOCs) is present on the subject property and can be a source of vapor contamination. Soil and groundwater assessments conducted as part of this site investigation were used to further evaluate the vapor intrusion pathway.

1.7.4 Ecological Receptors

Lake Michigan is approximately 0.38 miles east of subject property. Wetlands are located approximately 0.88 miles to the south and are identified on the USGS topographic quadrangle map for the area (Figure 1).

2.0 Methods of Investigation

The methods of investigation described below were used to assess whether impacts associated with the former gasoline station use of the subject property had the potential to impact human health or the environment, focusing on the potential exposure pathways outlined in Section 1.7. The work focused on the area of residual soil impacts identified during the UST closure activities; on the floor of the former tank pit, on the south sidewall of the UST basin and below the dispenser piping.

2.1 Utility Clearance

Prior to the subsurface investigation, AECOM contacted Digger's Hotline for the location of public utilities in the investigation area and reviewed maps and other available information regarding the locations of private utilities.

2.2 Soil Sampling

Soil probes were advanced using a hydraulic probe utilizing a two-inch diameter drive rod to collect a continuous soil sample. The soil samples were collected inside of a polyethylene sheath inserted into the end of the drive rod.

Nine soil probes were advanced to an approximate depth of 20 feet bgs; four of the probes were converted to groundwater monitoring wells with the screened interval installed to intersect the water table in general conformance with Wisconsin Administrative Code (WAC) NR 141. The nine sample locations were labeled as either soil probes (SB-1 through SB-5) or monitoring wells (MW-1 through MW-4). Two soil samples at each soil probe/monitoring well location were collected. The sampling intervals were:

- From one to two feet below bgs; and
- From the one-foot interval above the anticipated water table; or
- An interval with elevated PID readings, visually stained or markedly odorous

Soil samples were evaluated and visually classified in the field. The soil samples were described with respect to the soil type, grain size distribution, and color (or discoloration), odor, and moisture content. Field observations from the probes were recorded on soil boring logs (WDNR Form 4400-122), and included in Appendix A.

Samples were screened in the field with a photo-ionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. The PID was calibrated in the field according to manufacturer's instructions, using 100 ppm isobutylene span gas and air (zero gas) at least once per day. PID readings were recorded on the soil boring log.

Soil samples for VOCs were collected with a premeasured disposable sampler. The sample volume of approximately 10 grams of soil was added to approximately 10mL of laboratory grade methanol contained in a laboratory-provided 40ml vial. The sample vial was gently shaken to mix the methanol and soil. Soil samples for PAH analysis were placed into unpreserved laboratory provided containers. Each sample was labeled with the sample designation, sample date and time, sampler's initials, and project number. The sample was placed in a cooler on ice to maintain a temperature of 4° C or less

and submitted to the laboratory the following day. A chain-of-custody was completed after sample collection and accompanied the samples from the time of collection until received at the laboratory.

Soil probes conducted at boring-only locations were abandoned with chipped bentonite in general conformance with WAC ch. NR141. The soil probe holes were backfilled with bentonite chips from the bottom of the boring to the surface. Where surface improvements were present (i.e., concrete or asphalt), bentonite was placed up to the bottom of the improvement and the surface was repaired with a like material. Copies of the completed abandonment forms (WDNR form 3300-5B) are included in Appendix A.

To avoid cross-contamination between borings, the drilling equipment (i.e., augers and rig) were decontaminated using a high pressure hot-water washer after each boring. The down hole sampling equipment was decontaminated using a wash of Alconox© soap and clean water, followed by a rinse with clean water. Equipment was scrubbed with a brush during each step of the decontamination process to remove soil particles which may have adhered to the equipment.

2.3 Well Installation and Development

WAC ch. NR 141 groundwater monitoring wells were installed by advancing a boring drilled over the location sampled with the soil probe by converting to auger drilling using 4.25-inch inside diameter hollow stem augers to permit placement of the well screen, riser, required filter pack and annular space seal inside of the auger. The monitoring wells were constructed using 2-inch diameter polyvinyl chloride (PVC) well screen and riser. Water table well screens consisted of a 10-foot length of 0.01-inch machine slotted screen, placed to intersect the water table. The wells were completed with flush mount protective covers, and concrete around them. Groundwater was encountered at approximately 10 feet bgs. Monitoring wells were completed to a depth of 17 feet with a 10-foot screen interval from 7 to 17 feet bgs.

The material filling the annular space between the borehole walls and the well casing were poured inside of the augers and the augers are pulled up during placement of the fill material. The filter pack was placed from six-inches below the well to approximately two-feet above the well screen. Above the filter pack, a one-foot fine-grained sand was placed as a filter pack seal. The filter pack seal was shortened to permit placement of the bentonite sea. Above the fine sand, a bentonite seal was placed and consists of a minimum of three-feet of chipped bentonite. Bentonite was used to fill the remaining annular space from the top of the seal to the bottom of the flush mount cover which was placed at the top of the well, flush with grade, to protect the well from damage. Cement was used around the outside of the flush mount cover, to secure it in place.

During well installation, a field boring log was completed as outlined in Section 3.1.2 and WDNR form 4400-113A (monitoring well construction form) was completed in the field. Each well was installed to approximately 17'bgs. Copies of the monitoring well construction forms are included in Appendix A. Care was taken to prevent contaminating the well material during installation.

The wells were developed in accordance with WAC ch. NR 141.21. Prior to developing the well, the water level was measured, using an electronic water level indicator to the nearest 0.01-foot. Each well was developed by surge and purge methods and by slowly purging the well dry several times. WDNR form 4400-113B (monitoring well development form) was completed in the field, during the development activities. The wells were allowed to equilibrate for approximately one week after development (two weeks after installation), prior to collecting depth to groundwater measurements and groundwater samples.

2.4 Groundwater Sampling

One groundwater sample was collected from each monitoring well (MW-1 through MW-4) approximately one week after the wells were developed. Prior to groundwater sampling, the depth to groundwater was measured in each of the monitoring wells. Groundwater samples were collected using a dedicated bailer at each location. Field parameters (pH, conductivity, oxygen reducing potential, dissolved oxygen, and temperature) were also measured prior to sampling.

Groundwater for VOCs samples were placed into laboratory-provided 40-ml VOC vials containing hydrochloric acid (HCl) preservative. The bottle was filled to a positive meniscus and covered with a cap fitted with a Teflon© septum. The bottle was inverted and gently tapped to verify that air bubbles were not present in the sample. Each bottle was labeled, typically with a label provided by the laboratory, with the well number, sample number, date, sampler's initials, project number and preservatives added. After labeling, the samples were placed in a cooler with the chain of custody, on ice, for shipment to Pace (analytical laboratory).

2.5 Surveying

The elevations of each sampling point were surveyed relative to mean sea level using global positioning system and standard surveying techniques. Elevations of the ground surface, top of PVC and top of protector pipe were surveyed for each groundwater monitoring well installed and sampled for this assessment. Groundwater elevations were calculated based on the top of PVC elevation measurements.

2.6 Laboratory Analytical Methods

The soil and groundwater samples were analyzed at a Wisconsin-certified laboratory, Pace Analytical Services, Inc. (Pace), in Green Bay, Wisconsin. Field measurements of groundwater also included pH, redox potential, dissolved oxygen and temperature. Soil VOC samples were preserved with methanol. Groundwater VOC samples were preserved with hydrochloric acid. All samples were maintained on ice until delivery to the laboratory. The samples were collected and tracked using standard chain of custody procedures

The following analytical testing methods were used for the site investigation (both soil and groundwater):

- VOCs (SW846 Method 8260B)
- PAHs (SW846 Method 8270C-SIM for soil and 8270 by HVI for groundwater)

2.7 Quality Assurance/Quality Control

Project quality assurance was provided through the preparation and communication of the methods and procedures contained in the Site Investigation Work Plan, dated July 2018. Quality control was provided by the analysis of blank and duplicate samples.

A methanol trip blank sample was analyzed with the soil samples to evaluate the methanol used for soil preservation. No field duplicate samples were planned for soil samples because of the natural heterogeneity of soils.

Groundwater quality control samples included one trip blank and one duplicate sample for every 10 or less groundwater samples collected. Field blank samples were not planned because sampling equipment was disposable, and each well was purged and sampled with a new bailer.

2.8 Investigative Waste Management

Soil and groundwater generated by well installation, development and purging was containerized in six, 55-gallon drums (four-soil, two-groundwater) that are stored on-site. The investigative waste has been temporarily left on-site until the handling of wastes is discussed after the results of this report are reviewed.

3.0 Results

3.1 Field Observations

The soil samples were described based on the sample recovery and textural character. Soil sample recovery ranged from 24 to 60 inches and was consistent with the soil types encountered (sandy and clayey soil). Fill material was observed at each probe location and fill thicknesses ranged from a few inches to six feet. In one boring, the fill was 8.5-feet thick (in the far northwest corner of the site).

Subsurface materials at the subject property include fine to coarse grained sand with an organic rich layer (peat) overlying silt, overlying clay. Occasionally another layer of sand was observed below the clay at the bottom of the probe. Odors were observed in the soils located near the water table at probe locations with black sand (MW-2, SB-2, SB-3, and SB-4).

Field screening results of soil samples with the PID had instrument unit (iu) readings ranging from 0 to 2,628. The highest PID reading (2,628 iu) was detected in gray to black coarse-grained sand from the 12-13-foot depth (below the water table) in soil probe SB-4. The second highest PID reading, not at location SB-4, was 313.7 iu, and was detected in gray to black fine-grained sand located at 9-10.5 foot depth (at the water table) in soil probe MW-2. These elevated PID readings occurred at the water table or in the capillary fringe immediately above the apparent water table. Figure 3 depicts the subsurface materials in cross section.

Elevations of the ground surface, top of PVC and top of protector pipe were surveyed for the four groundwater monitoring wells. An existing tank pit observation well (TP-OBS) was identified and opened. The observation well was measured to have a total depth of approximately 12 feet bgs and is believed to have been used to monitor for leaks from the USTs in the former tank pit.

3.2 Data Quality Review

One duplicate groundwater sample was collected for quality control. Duplicate soil samples were not collected because of inherent natural heterogeneity of contaminant absorption to soil. Trip blanks accompanied the sample containers from the laboratory, to the field, and returning to the laboratory, to evaluate the potential for analytical artifact associated with container handling in the laboratory.

Additionally, the laboratory analysis was conducted with Level II quality control (QC) protocols and the results of the batch QC are provided with each laboratory analytical group. The QC data provided by the laboratory was reviewed as part of data evaluation. Qualifiers, if needed, are shown on the laboratory analytical results tables.

The laboratory quality control (QC) for the soil and groundwater sample results was reviewed and all surrogate recoveries were within acceptance criteria. Analytes of interest were not detected in the laboratory method blanks. MS/MSD samples were analyzed to evaluate accuracy and precision of the sample analysis. The data are considered valid as reported. Qualified results (detections below the reporting limit or other QC anomalies during analysis) are noted on the laboratory results tables.

3.3 Soil Sampling Results

The TSSA soil sample results are included on the tables and figures depicting the data collected in this site investigation to provide the sum of the data collected at this site. The discussion below

relates to the new data collected for the site investigation. The discussion of the TSSA samples was included in Section 1.2.

Soil samples were analyzed for VOCs and PAHs. Analytical results are compared to the WDNR RCL Calculator (WDNR PUB-RR-890, January 2014 and the June 2018 RCL spreadsheet update [RR-052g]) and summarized in Tables 3 and 4 respectively. Copies of the laboratory analytical data are included as Appendix B.

VOCs were detected in five of the 18 soil samples collected for the site investigation. The detected VOCs from both the TSSA samples and this investigation are included in Table 3. The VOCs with RCL exceedances are depicted on the cross-section (Figure 3) and site plan in Figure 5. VOC concentrations were above generic RCLs in two soil samples at the water table: MW-2 (9-10'bgs), and SB-3 (9-10'bgs. Two VOCs were detected in the soil sample from the MW-2 location at a depth of nine to ten feet bgs. 1-2-4-trimethylbenzene and naphthalene were detected above the groundwater pathway RCL. Additionally, the concentration of naphthalene in the VOC analysis was above the non-industrial direct contact RCL. However, the VOC analysis for naphthalene is biased high because two PAHs, 1-methylnaphthalene and 2-methylnaphthalene co-elute with the naphthalene resulting in a higher reported concentration. Naphthalene was also detected in the PAH analysis at a concentration that only exceeded the groundwater pathway RCL. The variability of the naphthalene concentration in this soil sample can be explained by both by the differences in analytical technique (on more compound specific than the other) and the natural variability that occurs when analyzed multiple subsamples of soil.

PAHs were detected in 7 of the 18 samples but only one sample, MW-2 (9-10'bgs) had an analyte (naphthalene) detected above its groundwater pathway RCL. Table 4 summarizes the PAH results.

3.4 Groundwater Samples

Depth to groundwater was measured prior to groundwater sampling. Groundwater elevations were calculated as shown in Table 1. The groundwater flow is to the southeast toward Lake Michigan under a hydraulic gradient of 0.02 feet per foot. The calculated groundwater elevations and flow direction are depicted in Figure 4. The four monitoring wells were purged dry multiple times during well development. Prior to sample collection, the monitoring wells were purged until draw down occurred. Field parameters were also measured prior to sample collection and presented in Table 2.

Groundwater analytical results are compared to NR 140.10, Table 1, Groundwater Quality Public Heath Enforcement Standards (ES) and Preventive Action Limits (PALs). Groundwater samples were collected from each of the four monitoring wells and analyzed for VOCs and PAHs. The groundwater results are summarized in Tables 5 and 6. Copies of the laboratory analytical data are included in Appendix B.

Nine petroleum-related and four non-petroleum VOC compounds were detected in one or more of the monitoring wells. The non-petroleum related VOCs included bromodichloromethane and chloroform which are both associated with chlorinated public water supplies. Bromodichloromethane and chloroform were detected above the PAL in MW-4 and it's duplicate. Bromomethane (methyl bromide) and chloromethane (methyl chloride) were also detected in the groundwater samples. Cholormethane was detected above the ES in each of the four monitoring wells. Bromomethane was detected above the PAL in monitoring wells MW-1 through MW-3. Chloromethane is used as a solvent or refrigerant and bromomethane is commonly used in fumigants and pesticides.

Two of the nine petroleum-related VOCs were detected above groundwater quality standards. Benzene and methyl-tert-butyl-ether were detected above their PAL values (0.5 ug/L and 12 ug/L,

respectively) in monitoring well MW-2. Table 5 presents the detected VOCs and Figures 3 and 6 depicts the compounds with groundwater quality exceedances, in both cross section and plan view.

Four PAH compounds were detected in one or more of the monitoring wells but none of the detected concentrations were above groundwater quality standards. 1-methylnaphthalene, 2-methylnapthalene were detected in MW-1 and MW-2; phenanthrene was detected in MW-1 through MW-3; and naphthalene was detected in MW-2. The PAH compounds are tabulated in Table 6.

3.5 Vapor Intrusion Assessment

The presence of petroleum VOCs in the groundwater prompted an assessment of the potential for vapor intrusion. Contaminant concentrations were examined to determine if the presence of the contaminants in the groundwater may pose a potential vapor intrusion risk. AECOM reviewed the WDNR Remediation and Redevelopment Program Guidance Document RR-800 (*Addressing Vapor Intrusion at Remediation & Redevelopment Site in Wisconsin, January 2018)* and the U.S. EPA's Vapor Intrusion Screening Level Calculator (May 2018) in the screening process.

The WDNR Guidance RR-800 provides screening guidelines for petroleum VOCs in the soil and groundwater under a building. None of the petroleum vapor assessment criteria are present at the subject property as shown in Table 7. These criteria used for the screening assessment were:

- No free-phase product
- The former subject property building foundation is greater than five feet (horizontally and vertically) from MW-2 where a direct contact RCL exceedance was detected.
- The groundwater on the subject property is not presently in contact with the former building foundation.
- The subject property building has been razed.

Therefore, a vapor intrusion assessment for petroleum VOCs is not warranted at this time.

4.0 Summary and Conclusions

The former gas station is approximately 0.35-acre parcel located at 704 75th Street, Kenosha, Kenosha County, Wisconsin 53143. The subject property is bordered to the north and west by residential properties, to the south by 75th Street beyond which is a convenience store and to the east by 7th Avenue, beyond which is a dentist office.

Five USTs were historically located on the subject property. One fuel oil UST was removed in 2001 (no impact identified) and four USTs (3 new and one abandoned in-place) were removed in 2014. Soil sampling at the time of the 2014 UST removals identified impacts to the soil, above groundwater pathway RCLs, in the south end of the tank pit. No impacted soil was removed from the site during the UST removal activities. Assessment results are included with AECOM's conclusion about soil impacts below.

To evaluate the extent of petroleum impact in the soil and to evaluate groundwater, nine soil probes were advanced to an approximate depth of 20 feet bgs for soil sample collection. Four of the probes were converted to water table groundwater monitoring wells. The nine sample locations were labeled SB-1 through SB-5 and MW-1 through MW-4.

Soils at the site generally consisted of fine to coarse grained sand with a layer of organic rich (peat) material, overlying silt and clay. Occasionally another layer of sand was observed at the bottom of the probe at 20 feet bgs. Groundwater depth was approximately 10 feet bgs with a calculated southeasterly groundwater flow direction. Odor was observed in soil samples with black sand (MW-2, SB-2, SB-3, and SB-4) and these soils occurred at the water table or just above the water table in the capillary fringe.

Petroleum impact to soil was observed at the water table (9-11'bgs) in TSSA samples and site investigation samples. 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and/or naphthalene were detected above the groundwater pathway RCL at TSSA locations SS-17, SS-18 and SS-20. 1,2,4-trimethylbenzene and naphthalene were detected above the groundwater pathway RCL at site investigation locations MW-2 and SB-3. Naphthalene, as a VOC, was detected above the non-industrial direct contact RCL at MW-2, but as previously discussed, the concentration of naphthalene as a VOCS is often biased high due to co-elution of semi-volatile compounds. Thus, the PAH results for naphthalene are considered the representative result for this location. PAHs were detected below generic RCLs in seven samples. Naphthalene, as a PAH, in sample MW-2 (9-10'bgs) was the only analyte detected above its groundwater pathway RCL.

Petroleum impact to groundwater includes benzene and methyl-tert-butyl-ether at MW-2 detected at concentrations above the preventive action limit. A source area in soil for the benzene impact was not identified in the TSSA samples or this site investigation. The detected 1,2,4-TMB and naphthalene (both below groundwater quality standards) in the MW-2 groundwater sample may be attributable to the concentrations detected in soil samples collected near the water table.

Non-petroleum analytes (bromomethane, chloromethane, bromodichloromethane and chloroform) detected in the groundwater above groundwater quality standards are attributable to anthropengic uses of these compounds and are not related to a release from the site.

Based on this site investigation, the following has been concluded:

- Neither direct contact RCLs nor groundwater pathway RCLs were exceeded in the shallow (0-4'bgs) soil samples collected.
- Residual petroleum impacts (1,2,4-trimethylbenzene and naphthalene) detected in the soil, at the water table (9-10'bgs), are consistent with a release from historic USTs. These impacted soils are near the southeast corner of the subject property.
- Residual petroleum impacts (benzene and methyl-tert-butyl-ether) detected in groundwater from MW-2, above the PAL, and are consistent with a release from historic USTs. The groundwater impacts are near the southeast corner of the subject property.
- Vapor intrusion is not considered to be a concern at the subject property because free-phase product is not present, the former building foundation is greater than five feet (horizontally and vertically) from a RCL exceedance in soil, and the groundwater on the subject property is not presently in contact with the former building foundation.

5.0 References

Kenosha County Property Inquiry website: http://www.co.kenosha.wi.us/964/Property-Inquiry

Kenosha County Assessor's Office website: http://www.co.kenosha.wi.us/530/Assessors

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Wisconsin Department of Natural Resources, Remediation and Redevelopment Program Guidance Document RR-800 (*Addressing Vapor Intrusion at Remediation & Redevelopment Site in Wisconsin, January 2018)*

Wisconsin Department of Natural Resources, Remediation and Redevelopment (RR) Site Maps website: http://dnrmaps.wi.gov/.

Wisconsin Geological and Natural History Survey (WGNHS) website: http://wgnhs.uwex.edu/.

Tables

Table 1
Groundwater Measurements and Elevations
704 75th Street, Kenosha, Wisconsin

Well Number	MW-1		MW-2		MW-3		MW-4		TP-OBS	
Ground Elevation (ft)	607.60		607.36		609.06		610.54		606.83	
Top of PVC Casing (TOC) Elevation (ft)	607.03		606.80		608.66		610.1		607.03	
Top of Screen Elevation (ft)	600.32		599.89		602.2		603.25		--	
Screen Length (ft)	10		10		10		10		--	
TOC to Bottom of Well (ft)[A]	16.71		16.91		16.46		16.85		12.76	
Date	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
8/9/2018	9.85	597.18	9.75	597.05	10.46	598.2	9.92	600.18	9.22	597.81

NOTES:
ft = feet
[A] = as measured inside well

Table 2
Measured Field Parameters in Groundwater
704 75th Street, Kenosha, Wisconsin

Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/l)	ORP (Milivolts)	Conductivity (ms/cm)	Temperature (° Celcius)	Groundwater Elevation (feet msl)
MW-1	8/9/2018	7.14	7.08	201.10	1.128	20.98	597.18
MW-2	8/9/2018	6.55	5.85	159.90	1.073	21.45	597.05
MW-3	8/9/2018	6.90	6.64	140.60	0.607	20.74	598.2
MW-4	8/9/2018	7.33	6.81	124.20	0.503	25.53	600.18

Table 3
Detected Volatile Organic Compounds in Soil
704 75th Street, Kenosha, Wisconsin

	Generic RCLs			2014 Tank System Site Assessment									
	Direct Contact Pathway			SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9	SS-10
				11 ft	11 ft	11 ft	11 ft	11 ft	11 ft	11 ft	11 ft	11 ft	11 ft
Parameters	Non-Industrial	Industrial	Groundwater Pathway	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014
VOCs (µg/kg)													
1,2,4-Trimethylbenzene	219,000	219,000	1,378.7	<25.0	<25.0	<25.0	<25.0	<25.0	34.6 J	<25.0	28 J	<25.0	333
1,3,5-Trimethylbenzene	182,000	182,000	1,378.7	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	186
Ethylbenzene	8,020	35,400	1570	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	550
Isopropylbenzene (Cumene)	268,000	268,000	--	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
n-Butylbenzene	108,000	108,000	--	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
n-Propylbenzene	264,000	264,000	--	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5,520	24,100	658.2	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	209
sec-Butylbenzene	145,000	145,000	--	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toluene	818,000	818,000	1107.2	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	35	<25.0	<25.0
Xylene (Total)	260,000	260,000	3,960	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	594
General Chem													
Percent Moisture	--	--	--	5.3	9.4	5.3	9.4	5.8	19.1	3	6.6	3.5	12.2

Notes:

VOCs = Volatile Organic Compounds

ug/kg = Micrograms per kilogram.

J = Estimated value.

-- = No generic RCL established.

A = Parameter exceeds Generic RCL for Non-industrial Direct Contact.

B = Parameter exceeds Generic RCL for Industrial Direct Contact.

C = Parameter exceeds Generic RCL for Groundwater Pathway.

Generic RCLs per WDNR PUB-RR-890 (Jan 2014) with June 2018 calculating spreadsheet.

2014 data from Tank Removal Report, analysis was PVOCs and

only the detected PVOCs are included.

Table 3
Detected Volatile Organic Compounds in Soil
704 75th Street, Kenosha, Wisconsin

Parameters	Generic RCLs			2014 Tank System Site Assessment									
	Direct Contact Pathway			SS-11	SS-12	SS-13	SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20
				11 ft	2 ft	3.5 ft	3 ft	3 ft	3.5 ft	11 ft	11 ft	11 ft	11 ft
	Non-Industrial	Industrial	Groundwater Pathway	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014
VOCs (µg/kg)													
1,2,4-Trimethylbenzene	219,000	219,000	1,378.7	264	<25.0	<25.0	143	44 J	<25.0	**1530** C	**9420** C	<25.0	**2660** C
1,3,5-Trimethylbenzene	182,000	182,000	1,378.7	<25.0	<25.0	<25.0	74	<25.0	<25.0	584	**3270** C	<25.0	**1520** C
Ethylbenzene	8,020	35,400	1570	91	<25.0	<25.0	35 J	<25.0	<25.0	249	136	46 J	140
Isopropylbenzene (Cumene)	268,000	268,000	--	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
n-Butylbenzene	108,000	108,000	--	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
n-Propylbenzene	264,000	264,000	--	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5,520	24,100	658.2	84	<25.0	<25.0	73	44 J	<25.0	**985** C	**4620** C	95	**690** C
sec-Butylbenzene	145,000	145,000	--	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toluene	818,000	818,000	1107.2	38 J	<25.0	<25.0	57 J	35 J	43 J	50	<25.0	<25.0	50
Xylene (Total)	260,000	260,000	3,960	277	<25.0	<25.0	216	55 J	<25.0	476	396	<25.0	318
General Chem													
Percent Moisture	--	--	--	3.7	3.6	5.5	15.8	5.3	18.3	2.8	15	4.4	11.4

Notes:

VOCs = Volatile Organic Compounds

ug/kg = Micrograms per kilogram.

J = Estimated value.

-- = No generic RCL established.

A = Parameter exceeds Generic RCL for Non-industrial Direct Contact.

B = Parameter exceeds Generic RCL for Industrial Direct Contact.

C = Parameter exceeds Generic RCL for Groundwater Pathway.

Generic RCLs per WDNR PUB-RR-890 (Jan 2014) with June 2018 calculating spreadsheet.

2014 data from Tank Removal Report, analysis was PVOCs and

only the detected PVOCs are included.

Table 3
Detected Volatile Organic Compounds in Soil
704 75th Street, Kenosha, Wisconsin

Parameters	Generic RCLs			MW-1		MW-2		MW-3		MW-4	
	Direct Contact Pathway			MW-1 (1-2)	MW-1 (8-9)	MW-2 (1-2)	MW-2 (9-10)	MW-3 (1-2)	MW-3 (8-9)	MW-4 (1-2)	MW-4 (8-9)
	Non-Industrial	Industrial	Groundwater Pathway	1 -2 ft 7/23/2018	8 - 9 ft 7/23/2018	1 -2 ft 7/23/2018	9 - 10 ft 7/23/2018	1 -2 ft 7/23/2018	8 - 9 ft 7/23/2018	1 -2 ft 7/23/2018	8 - 9 ft 7/23/2018
VOCs (µg/kg)											
1,2,4-Trimethylbenzene	219,000	219,000	1,378.7	<25.0	<25.0	<25.0	**3470** [C]	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	182,000	182,000	1,378.7	<25.0	<25.0	<25.0	<62.5	<25.0	<25.0	<25.0	<25.0
Ethylbenzene	8,020	35,400	1570	<25.0	<25.0	<25.0	1540	<25.0	<25.0	<25.0	<25.0
Isopropylbenzene (Cumene)	268,000	268,000	--	<25.0	<25.0	<25.0	267	<25.0	<25.0	<25.0	<25.0
n-Butylbenzene	108,000	108,000	--	<25.0	<25.0	<25.0	266	<25.0	<25.0	<25.0	<25.0
n-Propylbenzene	264,000	264,000	--	<25.0	<25.0	<25.0	1630	<25.0	<25.0	<25.0	<25.0
Naphthalene	5,520	24,100	658.2	<40.0	<40.0	<40.0	**5750** [AC]	<40.0	<40.0	<40.0	<40.0
sec-Butylbenzene	145,000	145,000	--	<25.0	<25.0	<25.0	156 [J]	<25.0	<25.0	<25.0	<25.0
Toluene	818,000	818,000	1107.2	<25.0	<25.0	<25.0	<62.5	<25.0	<25.0	<25.0	<25.0
Xylene (Total)	260,000	260,000	3,960	<75.0	<75.0	<75.0	<188	<75.0	<75.0	<75.0	<75.0
General Chem											
Percent Moisture	--	--	--	5.3	9.4	5.8	19.1	3	6.6	3.5	12.2

Notes:

VOCs = Volatile Organic Compounds

ug/kg = Micrograms per kilogram.

[J] = Estimated value.

-- = No generic RCL established.

[A] = Parameter exceeds Generic RCL for Non-industrial Direct Contact.

[B] = Parameter exceeds Generic RCL for Industrial Direct Contact.

[C] = Parameter exceeds Generic RCL for Groundwater Pathway.

Generic RCLs per WDNR PUB-RR-890 (Jan 2014) with June 2018 calculating spreadsheet.

2014 data from Tank Removal Report, analysis was PVOCs and only the detected PVOCs are included.

Table 3
Detected Volatile Organic Compounds in Soil
704 75th Street, Kenosha, Wisconsin

	Generic RCLs			SB-1		SB-2		SB-3		SB-4		SB-5	
	Direct Contact Pathway			SB-1 (1-2)	SB-1 (10-11)	SB-2 (1-2)	SB-2 (9-10)	SB-3 (1-2)	SB-3 (9-10)	SB-4 (1-2)	SB-4 (12-13)	SB-5 (1-2)	SB-5 (8-9)
Parameters	Non-Industrial	Industrial	Groundwater Pathway	1 -2 ft 7/23/2018	10 -11 ft 7/23/2018	1 -2 ft 7/23/2018	9 - 10 ft 7/23/2018	1 -2 ft 7/23/2018	9 - 10 ft 7/23/2018	1 -2 ft 7/23/2018	12 - 13 ft 7/23/2018	1 -2 ft 7/23/2018	8 - 9 ft 7/23/2018
VOCs (µg/kg)													
1,2,4-Trimethylbenzene	219,000	219,000	1,378.7	<25.0	<25.0	27.4 J	112	<25.0	**5350** C	<25.0	63.4 J	<25.0	<25.0
1,3,5-Trimethylbenzene	182,000	182,000	1,378.7	<25.0	<25.0	<25.0	184	<25.0	194 J	<25.0	<25.0	<25.0	<25.0
Ethylbenzene	8,020	35,400	1570	<25.0	<25.0	<25.0	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<25.0
Isopropylbenzene (Cumene)	268,000	268,000	--	<25.0	<25.0	<25.0	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<25.0
n-Butylbenzene	108,000	108,000	--	<25.0	<25.0	<25.0	<25.0	<25.0	1780	<25.0	<25.0	<25.0	<25.0
n-Propylbenzene	264,000	264,000	--	<25.0	<25.0	<25.0	<25.0	<25.0	903	<25.0	<25.0	<25.0	<25.0
Naphthalene	5,520	24,100	658.2	<40.0	<40.0	<40.0	<40.0	<40.0	**736** JC	<40.0	<40.0	<40.0	<40.0
sec-Butylbenzene	145,000	145,000	--	<25.0	<25.0	<25.0	<25.0	<25.0	432	<25.0	<25.0	<25.0	<25.0
Toluene	818,000	818,000	1107.2	<25.0	<25.0	<25.0	<25.0	<25.0	<100	<25.0	<25.0	<25.0	<25.0
Xylene (Total)	260,000	260,000	3,960	<75.0	<75.0	<75.0	<75.0	<75.0	<300	<75.0	88.9 J	<75.0	<75.0
General Chem													
Percent Moisture	--	--	--	3.7	3.6	5.5	15.8	5.3	18.3	2.8	15	4.4	11.4

Notes:

VOCs = Volatile Organic Compounds

ug/kg = Micrograms per kilogram.

J = Estimated value.

-- = No generic RCL established.

A = Parameter exceeds Generic RCL for Non-industrial Direct Contact.

B = Parameter exceeds Generic RCL for Industrial Direct Contact.

C = Parameter exceeds Generic RCL for Groundwater Pathway.

Generic RCLs per WDNR PUB-RR-890 (Jan 2014) with June 2018 calculating spreadsheet.

2014 data from Tank Removal Report, analysis was PVOCs and

only the detected PVOCs are included.

Table 4
Polycyclic Aromatic Hydrocarbons in Soil
704 75th Street, Kenosha, Wisconsin

	Generic RCLs			MW-1		MW-2		MW-3		MW-4	
	Direct Contact Pathway			MW-1 (1-2)	MW-1 (8-9)	MW-2 (1-2)	MW-2 (9-10)	MW-3 (1-2)	MW-3 (8-9)	MW-4 (1-2)	MW-4 (8-9)
				1 -2 ft	8 - 9 ft	1 -2 ft	9 - 10 ft	1 -2 ft	8 - 9 ft	1 -2 ft	8 - 9 ft
Parameters	Non-Industrial	Industrial	Groundwater Pathway	7/23/2018	7/23/2018	7/23/2018	7/23/2018	7/23/2018	7/23/2018	7/23/2018	7/23/2018
PAHs (µg/kg)											
1-Methylnaphthalene	17,600	72,700	--	<4.3	<4.4	50.9	416	<4.1	<4.3	<4.2	<4.6
2-Methylnaphthalene	239,000	3,010,000	--	<5.3	<5.5	80.8	701	<5.2	<5.4	<5.2	<5.7
Acenaphthene	3,590,000	45,200,000	--	<4.1	<4.3	<4.1	<24.0	<4.0	<4.2	<4.0	<4.4
Acenaphthylene	--	--	--	<3.5	<3.6	5.5 J	<20.4	<3.4	<3.5	<3.4	<3.8
Anthracene	17,900,000	100,000,000	196949.2	<6.0	<6.3	<6.1	<35.4	<5.9	<6.1	<5.9	<6.5
Benzo(a)anthracene	1,140	20,800	--	<3.4	<3.5	<3.4	<19.6	<3.3	<3.4	<3.3	<3.6
Benzo(a)pyrene	115	2,110	470	2.7 J	<2.8	<2.7	<15.5	<2.6	<2.7	<2.6	<2.9
Benzo(b)fluoranthene	1,150	21,100	479.3	<3.0	<3.1	<3.0	<17.5	<2.9	<3.0	<2.9	<3.2
Benzo(g,h,i)perylene	--	--	--	2.3 J	<2.2	<2.2	<12.6	<2.1	<2.2	<2.1	<2.3
Benzo(k)fluoranthene	11,500	211,000	--	2.9 J	<2.8	<2.7	<15.5	<2.6	<2.7	<2.6	<2.9
Chrysene	115,000	2,110,000	144.6	3.8 J	<3.7	<3.6	<20.9	<3.5	<3.6	<3.5	<3.8
Dibenz(a,h)anthracene	115	2,110	--	<2.4	<2.5	<2.4	<13.8	<2.3	<2.4	<2.3	<2.5
Fluoranthene	2,390,000	30,100,000	88877.8	<5.5	<5.7	<5.5	<32.2	<5.4	<5.6	<5.4	<5.9
Fluorene	2,390,000	30,100,000	14829.9	<4.4	<4.6	9.1 J	<25.6	<4.3	<4.4	<4.3	<4.7
Indeno(1,2,3-cd)pyrene	1,150	21,100	--	<2.3	<2.4	<2.3	<13.6	<2.3	<2.4	<2.3	<2.5
Naphthalene	5,520	24,100	658.2	<8.9	<9.3	227	**2,050** C	<8.7	<9.0	<8.7	<9.6
Phenanthrene	--	--	--	<12.3	<12.9	25 J	<72.1	<12.0	<12.5	<12.1	<13.3
Pyrene	1,790,000	22,600,000	54,545.5	<4.8	<5.0	7.1 J	<27.9	<4.6	<4.8	<4.7	<5.1

Notes:

PAHs =Polynuclear Aromatic Hydrocarbons

ug/kg = Micrograms per kilogram.

A = Parameter exceeds Generic RCL for Industrial Direct Contact.

B = Parameter exceeds Generic RCL for Non-Industrial Direct Contact.

C = Parameter exceeds Generic RCL for Groundwater Pathway.

J = Estimated value (+ indicates high bias).

-- = No generic RCL established.

Generic RCLs June 2018 per WDNR PUB-RR-890.

Table 4
Polycyclic Aromatic Hydrocarbons in Soil
704 75th Street, Kenosha, Wisconsin

	Generic RCLs			SB-1		SB-2		SB-3		SB-4		SB-5	
	Direct Contact Pathway			SB-1 (1-2)	SB-1 (10-11	SB-2 (1-2)	SB-2 (9-10)	SB-3 (1-2)	SB-3 (9-10)	SB-4 (1-2)	SB-4 (12-13)	SB-5 (1-2)	SB-5 (8-9)
				1 -2 ft	10 -11 ft	1 -2 ft	9 - 10 ft	1 -2 ft	9 - 10 ft	1 -2 ft	12 - 13 ft	1 -2 ft	8 - 9 ft
Parameters	Non-Industrial	Industrial	Groundwater Pathway	7/23/2018	7/23/2018	7/23/2018	7/23/2018	7/23/2018	7/23/2018	7/23/2018	7/23/2018	7/23/2018	7/23/2018
PAHs (µg/kg)													
1-Methylnaphthalene	17,600	72,700	--	<4.2	<4.2	<4.3	756	<4.3	2,260	<4.1	25.5	<4.2	<4.5
2-Methylnaphthalene	239,000	3,010,000	--	<5.2	<5.2	<5.3	825	<5.3	64.2 J	<5.1	38.3	<5.2	<5.6
Acenaphthene	3,590,000	45,200,000	--	<4.0	<4.0	<4.1	5.4 J	<4.1	<23.8	<4.0	<4.6	<4.1	<4.4
Acenaphthylene	--	--	--	<3.4	<3.4	<3.5	<3.9	<3.5	<20.2	<3.4	<3.9	<3.5	<3.7
Anthracene	17,900,000	100,000,000	196949.2	<5.9	<5.9	<6.0	<6.8	<6.0	<35.0	<5.9	<6.7	<6.0	<6.4
Benzo(a)anthracene	1,140	20,800	--	<3.3	<3.3	<3.4	<3.8	<3.4	<19.5	<3.3	<3.7	10.8 J	<3.6
Benzo(a)pyrene	115	2,110	470	<2.6	<2.6	<2.7	<3.0	<2.7	<15.4	<2.6	<3.0	10.5	<2.8
Benzo(b)fluoranthene	1,150	21,100	479.3	<2.9	<2.9	<3.0	<3.4	<3.0	<17.3	<2.9	<3.3	10.4	<3.2
Benzo(g,h,i)perylene	--	--	--	<2.1	<2.1	<2.1	<2.4	<2.2	<12.5	<2.1	3.4 J	8.1	<2.3
Benzo(k)fluoranthene	11,500	211,000	--	<2.6	<2.6	<2.7	<3.0	<2.7	<15.4	<2.6	<3.0	9.9	<2.8
Chrysene	115,000	2,110,000	144.6	<3.5	<3.5	<3.6	<4.0	<3.6	<20.7	<3.5	5 J	11.7 J	<3.8
Dibenz(a,h)anthracene	115	2,110	--	<2.3	<2.3	<2.4	<2.7	<2.4	<13.7	<2.3	<2.6	2.7 J	<2.5
Fluoranthene	2,390,000	30,100,000	88877.8	<5.4	<5.4	<5.5	<6.2	<5.5	<32.0	<5.4	<6.1	13.3 J	<5.9
Fluorene	2,390,000	30,100,000	14829.9	<4.3	<4.3	<4.4	<4.9	<4.4	<25.4	<4.3	<4.9	<4.3	<4.7
Indeno(1,2,3-cd)pyrene	1,150	21,100	--	<2.3	<2.3	<2.3	<2.6	<2.3	<13.5	<2.3	<2.6	6.1 J	<2.5
Naphthalene	5,520	24,100	658.2	<8.8	<8.7	<8.9	173	<8.9	325	<8.7	34.9	10.1 J	<9.5
Phenanthrene	--	--	--	<12.1	<12.1	<12.3	<13.8	<12.3	<71.5	<12.0	<13.7	<12.2	<13.1
Pyrene	1,790,000	22,600,000	54,545.5	<4.7	<4.7	<4.8	<5.4	<4.8	<27.7	<4.6	<5.3	12.3 J	<5.1

Notes:

PAHs =Polynuclear Aromatic Hydrocarbons

ug/kg = Micrograms per kilogram.

A = Parameter exceeds Generic RCL for Industrial Direct Contact.

B = Parameter exceeds Generic RCL for Non-Industrial Direct Contact.

C = Parameter exceeds Generic RCL for Groundwater Pathway.

J = Estimated value (+ indicates high bias).

-- = No generic RCL established.

Generic RCLs June 2018 per WDNR PUB-RR-890.

Table 5
Detected Volatile Organic Compounds in Groundwater
704 75th Street, Kenosha, Wisconsin

Field ID	Sample Date	1,2,4-Trimethyl benzene (ug/L)	1,3,5-Trimethyl benzene (ug/L)	Benzene (ug/L)	Bromo dichloro methane (ug/L)	Bromo methane (ug/L)	Chloroform (ug/L)	Chloro methane (ug/L)	Ethylbenzene (ug/L)	Isopropyl benzene (Cumene) (ug/L)	Methyl-tert-butyl ether (ug/L)	Naphthalene (ug/L)	n-Propyl benzene (ug/L)	Total Xylenes (ug/L)
MW-1	8/9/2018	< 0.84	< 0.87	< 0.25	< 0.36	*2.2* J	< 1.3	**34.7**	< 0.22	< 0.39	< 1.2	< 1.2	< 0.81	< 1.5
MW-2	8/9/2018	8.2	1.5 J	*3.3*	< 0.36	*2.4* J	< 1.3	**44.6**	4.8	2.1 J	*17.4*	3.0 J	1.2 J	6.4
MW-3	8/9/2018	< 0.84	< 0.87	< 0.25	< 0.36	*2.4* J	< 1.3	**39.1**	< 0.22	< 0.39	< 1.2	< 1.2	< 0.81	< 1.5
MW-4	8/9/2018	< 0.84	< 0.87	< 0.25	*0.58* J	< 0.97	*3.0* J	*25.5*	< 0.22	< 0.39	< 1.2	< 1.2	< 0.81	< 1.5
MW-4 DUP	8/9/2018	< 0.84	< 0.87	< 0.25	*0.51* J	*1.6* J	*3.0* J	**71.2**	< 0.22	< 0.39	< 1.2	< 1.2	< 0.81	< 1.5
PAL:		96	96	0.5	0.06	1	0.6	3	140	--	12	10	--	400
ES:		480	480	5	0.6	10	6	30	700	--	60	100	--	2,000

Notes:

ug/L = micrograms per liter

J = Estimated value

b = Detected in laboratory blank

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, February 2017 exceedances are *underlined italics*.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, February 2017 exceedances are **bold.**

Table 6
Polycyclic Aromatic Hydrocarbons in Groundwater
704 75th Street, Kenosha, Wisconsin

Location/ Field ID	Sample Date	1-Methyl naphthalene (ug/L)	2-Methyl naphthalene (ug/L)	Ace-naphthene (ug/L)	Ace-naphthylene (ug/L)	Anthracene (ug/L)	Benzo(a) anthracene (ug/L)	Benzo(a) pyrene (ug/L)	Benzo(b) fluoranthene (ug/L)	Benzo (g,h,i) perylene (ug/L)	Benzo(k) fluoranthene (ug/L)	Chrysene (ug/L)	Dibenz (a,h) anthracene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Indeno (1,2,3-cd) pyrene (ug/L)	Naphthalene (ug/L)	Phenanthrene (ug/L)	Pyrene (ug/L)
MW-1	8/9/2018	0.0082 Jb	0.0077 Jb	< 0.0060	< 0.0049	< 0.010	< 0.0074	< 0.010	< 0.0056	< 0.0066	< 0.0074	< 0.013	< 0.0098	< 0.010	< 0.0078	< 0.017	< 0.018	0.022 Jb	< 0.0075
MW-2	8/9/2018	0.048 b	0.026 b	< 0.0061	< 0.0050	< 0.010	< 0.0076	< 0.011	< 0.0057	< 0.0068	< 0.0076	< 0.013	< 0.010	< 0.011	< 0.0080	< 0.018	0.065 Jb	0.058 Jb	< 0.0076
MW-3	8/9/2018	< 0.0059	< 0.0049	< 0.0061	< 0.0050	< 0.010	< 0.0076	< 0.011	< 0.0057	< 0.0068	< 0.0076	< 0.013	< 0.010	< 0.011	< 0.0080	< 0.018	< 0.018	0.014 Jb	< 0.0076
MW-4	8/9/2018	< 0.0055	< 0.0045	< 0.0056	< 0.0046	< 0.0097	< 0.0070	< 0.0098	< 0.0053	< 0.0063	< 0.0070	< 0.012	< 0.0093	< 0.0099	< 0.0074	< 0.016	< 0.017	< 0.013	< 0.0071
MW-4 DUP	8/9/2018	< 0.0057	< 0.0048	< 0.0059	< 0.0048	< 0.010	< 0.0073	< 0.010	< 0.0056	< 0.0066	< 0.0073	< 0.013	< 0.0097	< 0.010	< 0.0077	< 0.017	< 0.018	< 0.013	< 0.0074
PAL:		--	--	--	--	600	--	0.02	0.02	--	--	0.02	--	80	80	--	10	--	50
ES:		--	--	--	--	3,000	--	0.2	0.2	--	--	0.2	--	400	400	--	100	--	250

Notes:
ug/L = micrograms per liter
J = Estimated value
b = Detected in laboratory blank
-- PAL or ES has not been established
PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, February 2017 exceedances are *underlined italics*.
ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, February 2017 exceedances are **bold.**

Table 7
Vapor Intrusion Assessment
704 75th Street, Kenosha, Wisconsin

Petroleum Vapor Assessment Criteria[1]	704 75th Street, Kenosha, WI
Free-phase product that has the potential for off-gassing vapors underlies a building or is within 30 feet, horizontally or vertically, of a building foundation?	NO
Petroleum contaminated soils above Site Specific Direct Contact Residual Contaminant Levels with the potential for off-gassing vapors are within 5 feet or less of a building foundation?	NO
Benzene concentration in groundwater underlying a building is >1,000 ppb and there is less than 20 feet of unsaturated soil between the groundwater and the building foundation?	NO
Groundwater contaminated with petroleum product above Wisconsin's groundwater preventive action limit (PAL) is entering a building or in contact with the building's foundation, or is in water intercepted by the building's foundation drain system, including sumps?	NO
Petroleum vapors are present that may migrate from the petroleum source and move through preferential pathways (sewer lines, fractured bedrock, *etc* .) into a building?	NO

Chlorinated Volatile Organic Compound Vapor Assessment Criteria[2]	no chlorinated contaminants on site
Any buildings overlying a CVOC soil source.	NA
Any buildings within 100 feet of a CVOC soil source.	NA
Any buildings overlying a CVOC groundwater plume located at the water table with groundwater concentrations above Wisconsin's groundwater enforcement standards (ES).	NA
CVOC contaminated groundwater above Wisconsin's groundwater preventive action limit (PAL) is entering a building or in contact with the building's foundation, or is in water intercepted by the building's foundation drain system, including sumps.	NA
CVOC vapors have the potential to enter preferential pathways (sewer lines, fractured bedrock, foundation cracks or openings, etc.) that connect contaminated areas to a building and migrate into that building.	NA

Footnotes:

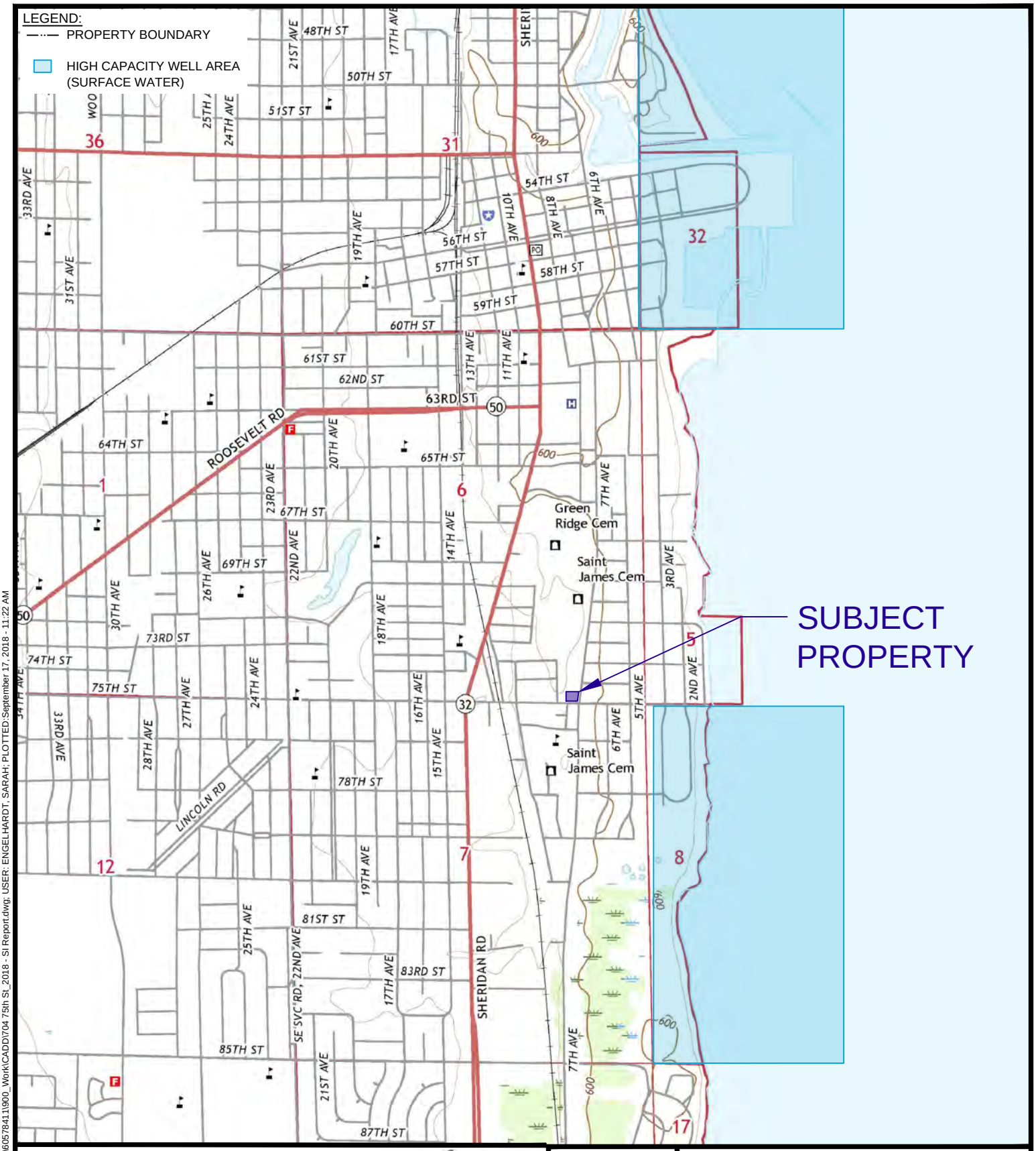
1 - Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin (RR-800) Update: July 2012, Section IV(A).

2 - Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin (RR-800) Update: July 2012, Section IV(B).

PAL = Preventive Action Limit

ES = Enforcement Standard

Figures



SCALE

0 1000 2000 3000

FEET

Notes:

1. USGS 7.5 MINUTE TOPOGRAPHIC MAPS: KENOSHA, WI QUADRANGLE (2016)

QUADRANGLE LOCATION

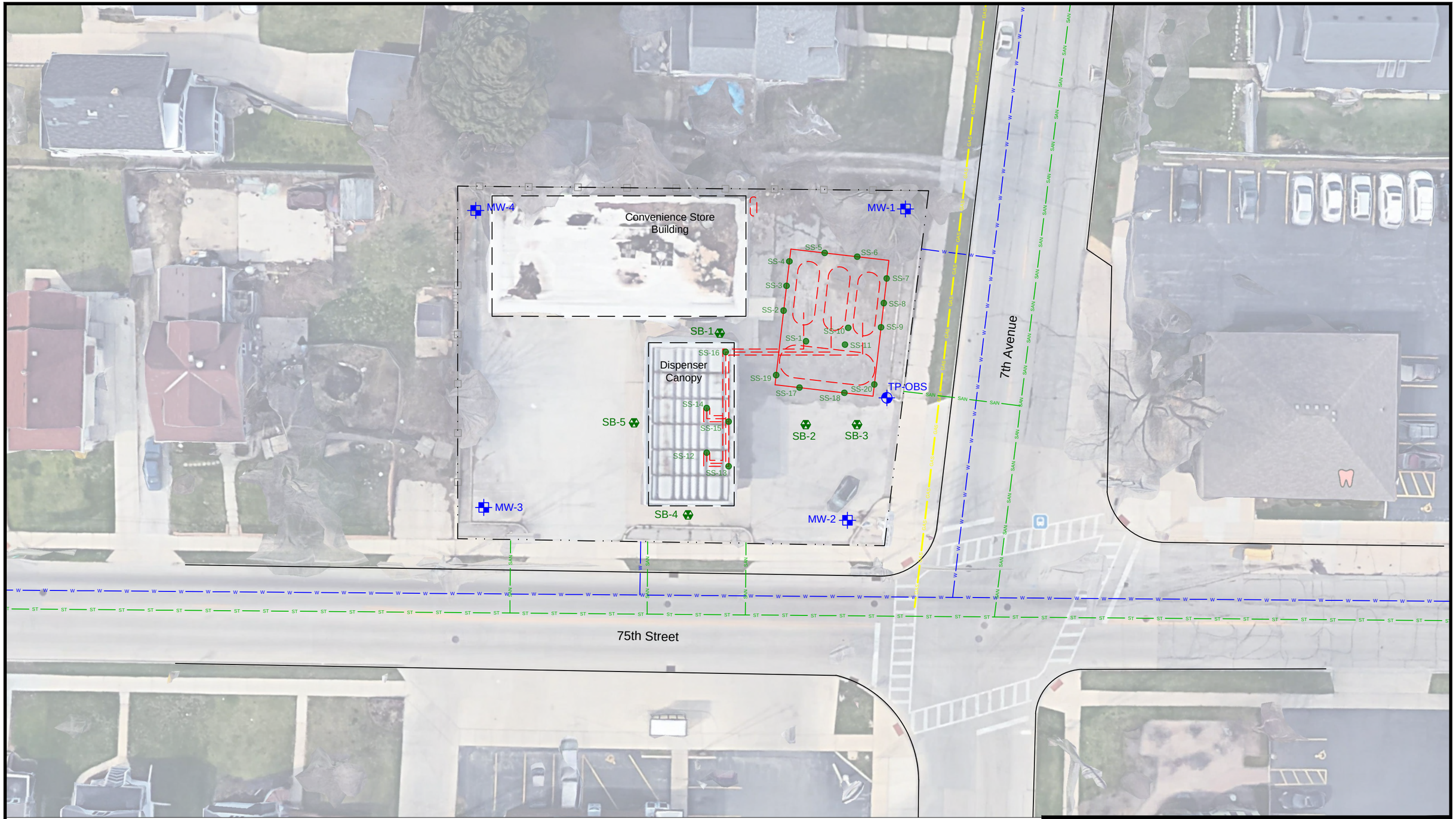
AECOM
Milwaukee Office
1555 RiverCenter Dr
Milwaukee, WI
414.944.6080

Former Gas Station
704 75th Street
Kenosha, WI 53143

LOCATION MAP

Project Number:	Drawn By:	Date:	Figure No.
60578411	ZPA	6/12/18	1

File: \\usmwk1fs001\prod\Data\Projects\60578411\900_Work\CADD\704 75th St_2018 - SI Report.dwg; USER: ENGELHARDT, SARAH; PLOTTED:September 17, 2018 - 11:22 AM



LEGEND:

- PROPERTY BOUNDARY
- FENCE
- ROADS
- FORMER BUILDING & CANOPY
- FORMER UST
- FORMER UNDERGROUND PIPING
- UTILITY - GAS
- UTILITY - WATER
- UTILITY - SANITARY SEWER
- MONITORING WELL
- OBSERVATION WELL
- TSSA SOIL SAMPLE LOCATION
- SITE INVESTIGATION SOIL BORING

NOTES:

1. AERIAL PHOTOGRAPH FROM GOOGLE EARTH PRO, IMAGE DATED 4/6/2017; DOWNLOADED ON 6/12/2018.

0' 15' 30' 60'

SCALE

N

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Milwaukee Office
1555 RiverCenter Dr
Milwaukee, WI
414.944.6080

AECOM

Former Gas Station
704 75th Street
Kenosha, WI 53143

DETAILED SITE MAP

Project Number:	Drawn By:	Date:	Figure No. 2
60578411	SAE	11/19/2018	

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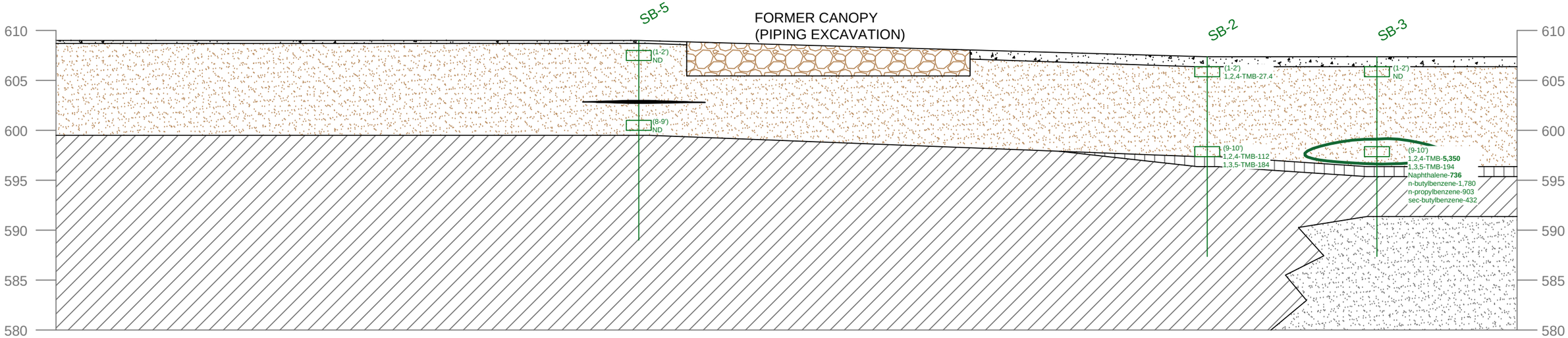
A
(WEST)

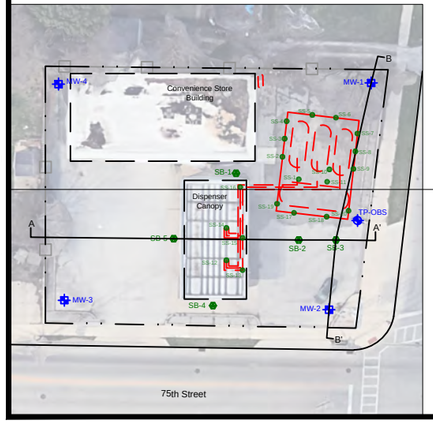
A'
(EAST)



B
(NORTH)

B'
(SOUTH)

FORMER TANK PIT
(UST EXCAVATION)



LEGEND:

- MONITORING WELL/SOIL PROBE
- MONITORING WELL SCREEN
- SOIL GROUNDWATER PATHWAY RCL EXCEEDANCE

- ASPHALT AND GRAVEL FILL
- EXCAVATION FILL
- SAND
- ORGANICS (PEAT)
- SILT
- CLAY

TMB = TRIMETHYLBENZENE
ND = NO DETECTS

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414.944.6080

Former Gas Station
704 75th Street
Kenosha, WI 53143

GEOLOGIC CROSS SECTIONS

Project Number:	Drawn By:	Date:	Figure No. 3
60578411	SAE	11/19/2018	

MW-4
600.18

MW-1
597.18

Convenience Store
Building

600

599

Dispenser
Canopy

598

MW-3
598.2

MW-2
597.05

TP-OBS

7th Avenue

75th Street

LEGEND:

- PROPERTY BOUNDARY
- FENCE
- ROADS
- FORMER BUILDING & CANOPY
- FORMER UST
- FORMER UNDERGROUND PIPING
- UTILITY - GAS
- UTILITY - WATER
- UTILITY - SANITARY SEWER
- MONITORING WELL
- OBSERVATION WELL
- 605 GROUNDWATER ELEVATION
- GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

NOTES:

1. AERIAL PHOTOGRAPH FROM GOOGLE EARTH PRO, IMAGE DATED 4/6/2017; DOWNLOADED ON 6/12/2018.
2. GROUNDWATER ELEVATIONS MEASURED IN MEAN SEA LEVEL (MSL) RELATIVE TO CITY OF KENOSHA WATER UTILITY MANHOLE RIM ELEVATIONS.

0' 10' 20' 40'
SCALE

N

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1555 RiverCenter Dr
Milwaukee, WI
414.944.6080

AECOM

Former Gas Station
704 75th Street
Kenosha, WI 53143

GROUNDWATER FLOW DIRECTION

Project Number:	Drawn By:	Date:	Figure No. 4
60578411	SAE	11/19/2018	

NOTES:

1. AERIAL PHOTOGRAPH FROM GOOGLE EARTH PRO, IMAGE DATED 4/6/2017; DOWNLOADED ON 6/12/2018.
2. LABORATORY DATA REPORTED IN MICROGRAMS PER KILOGRAM (UG/KG).
3. ONLY SOIL RESULTS ABOVE WDNR JUNE 2018 GENERIC RCLs ARE DEPICTED.
4. 1,2,4-TMB = 1,2,4-TRIMETHYLBENZENE
5. (9-10') = SAMPLE INTERVAL 9-10' BELOW GROUND SURFACE.
6. 5,350 = CONCENTRATION IN MICROGRAMS PER KILOGRAM (UG/KG).
7. WDNR GENERIC RCLS PER WDNR PUB-RR-890 (JAN 2014) WITH JUNE 2018 CALCULATING SPREADSHEET.
   A = Parameter exceeds Generic RCL for Non-industrial Direct Contact.
   B = Parameter exceeds Generic RCL for Industrial Direct Contact.
   C = Parameter exceeds Generic RCL for Groundwater Pathway.

MW-4
MW-1
Convenience Store Building
SS-17 (11')
1,2,4-TMB = 1,530^{C}
Naphthalene = 985^{C}
SS-5
SS-6
SS-4
SS-7
SS-3
SS-8
SS-2
SS-9
SS-10
SS-1
SS-11
SB-1
SS-16
Dispenser Canopy
SS-19
SS-20
SS-17
SS-18
TP-OBS
SS-20 (11')
1,2,4-TMB = 2,660^{C}
1,3,5-TMB = 1,520^{C}
Naphthalene = 690^{C}
7th Avenue
SS-14
SB-5
SS-15
SB-2
SB-3
SS-18 (11')
1,2,4-TMB = 9,420^{C}
1,3,5-TMB = 3,270^{C}
Naphthalene = 4,620^{C}
SB-3 (9-10')
1,2,4-TMB = 5,350^{C}
Naphthalene = 736^{C}
SS-12
SS-13
MW-3
SB-4
MW-2
MW-2 (9-10')
1,2,4-TMB = 3,470^{C}
Naphthalene (as VOC) = 5,750^{AC}
Naphthalene (as PAH) = 2,050^{C}
75th Street

LEGEND:

- PROPERTY BOUNDARY
- FENCE
- ROADS
- FORMER BUILDING & CANOPY
- FORMER UST
- FORMER UNDERGROUND PIPING
- UTILITY - GAS
- UTILITY - WATER
- UTILITY - SANITARY SEWER
- MONITORING WELL
- OBSERVATION WELL
- TSSA SOIL SAMPLE LOCATION
- SITE INVESTIGATION SOIL BORING
- GROUNDWATER PATHWAY RCL EXCEEDANCE

0' 10' 20' 40'
SCALE

N

AECOM
Milwaukee Office
1555 RiverCenter Dr
Milwaukee, WI
414.944.6080

Former Gas Station
704 75th Street
Kenosha, WI 53143

SOIL RCL EXCEEDANCES

Project Number:	Drawn By:	Date:	Figure No. 5
60578411	SAE	11/20/2018	

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NOTES:

1. AERIAL PHOTOGRAPH FROM GOOGLE EARTH PRO, IMAGE DATED 4/6/2017; DOWNLOADED ON 6/12/2018.
2. LABORATORY DATA REPORTED IN MICROGRAMS PER KILOGRAM (UG/L).
3. GROUNDWATER RESULTS ABOVE WDNR NR 140 GROUNDWATER QUALITY STANDARDS (FEBRUARY 2017).
4. PREVENTIVE ACTION LIMIT EXCEEDANCES ARE *UNDERLINED ITALICS*.
5. ENFORCEMENT STANDARD EXCEEDANCES ARE **BOLD**.

MW-4
Bromodichloromethane-*0.58*
Bromomethane-*1.6*
Chloroform-*3.0*
Chloromethane-**71.2**

Convenience Store Building

MW-1
Bromomethane-*2.2*
Chloromethane-**34.7**

Dispenser Canopy

TP-OBS

7th Avenue

MW-3
Bromomethane-*2.4*
Chloromethane-**39.1**

MW-2
Benzene-*3.3*
Methyl-tert-butyl-ether-*17.4*
Bromomethane-*2.4*
Chloromethane-**44.6**

75th Street

LEGEND:

- PROPERTY BOUNDARY
- FENCE
- ROADS
- FORMER BUILDING & CANOPY
- FORMER UST
- FORMER UNDERGROUND PIPING
- UTILITY - GAS
- UTILITY - WATER
- UTILITY - SANITARY SEWER
- MONITORING WELL
- OBSERVATION WELL

SCALE 0' 10' 20' 40'

N

AECOM
Milwaukee Office
1555 RiverCenter Dr
Milwaukee, WI
414.944.6080

Former Gas Station
704 75th Street
Kenosha, WI 53143

GROUNDWATER QUALITY EXCEEDANCES

Project Number:	Drawn By:	Date:	Figure No. 6
60578411	SAE	11/20/2018	

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Appendix A

Soil Boring Logs, Monitoring Well Construction and Development Forms, and Soil Boring Abandonment Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Gas Station - 704 75th St., Kenosha		MW-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	7/23/2018	7/23/2018	Direct Push/HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
V0343		MW-1	Feet MSL	607.60 Feet MSL	8.50

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 6, T 1 N, R 23 E
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

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	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 HA	60 60		0	Asphalt	Asphalt			0.0						
			1.5	Fill: Orange-brown fine grain SAND, dry	Fill			0.0						Sample MW-1 (1-2) collected at 1255
			3.0					0.0						
			4.5	Chunk of wood at 4 ft. bgs				0.0						
2 DP	60 31			Fill: Black fine grain SAND, trace roots, dry	Fill			0.0						
			6.0	Light brown to orange fine grain SAND (SP), trace small pebbles, dry	SP			0.0						
			7.5					0.0						Sample MW-1 (8-9) collected at 1305
			9.0	Gray to brown fine grain SAND (SP), wet	SP			0.0						
3 DP	60 60		10.5	Gray SILT (ML), some fine grain sand, wet	ML			0.0						
			12.0					0.0						
			13.5	Gray CLAY (CL), trace small pebbles, moist, low plasticity, stiff	CL			0.0						
4 DP	60 53		15.0					0.0						
			16.5	Wet, medium plasticity and soft at 17 ft. bgs				0.0						
			18.0					0.0						
			19.5					0.0						
				End of Boring at 20 ft. bgs				0.0						

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

Signature	Firm	
	AECOM 1555 N RiverCenter Drive Milwaukee, WI 53212	Tel: 414-944-6080 Fax: 414-944-6081

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Gas Station - 704 75th St., Kenosha		MW-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	7/23/2018	7/23/2018	Direct Push/HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
V0344		MW-2	Feet MSL	607.36 Feet MSL	8.50

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 6, T 1 N, R 23 E
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

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	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 HA	60 60		0.0	Asphalt	Asphalt			0.0						
			1.5	Fill: Orange to brown fine grain SAND, trace small pebbles, dry	Fill			0.0						Sample MW-2 (1-2) collected at 1530
			3.0					0.0						
			4.5					0.0						
2 DP	60 42		6.0					0.0						
				Fill: Black, organic-rich fine grain SAND, dry	Fill			0.0						
			7.5	Light brown fine grain SAND (SP), dry	SP			0.0						
			9.0	Black to gray fine grain SAND (SP), slight odor, wet	SP			0.0						Sample MW-2 (9-10) collected at 1540
3 DP	60 49		10.5	Gray SILTY CLAY (CL), trace small pebbles, moist, low plasticity, stiff	CL			313.7						
			12.0					0.0						
			13.5					0.0						
			15.0					0.0						
4 DP	60 56			Gray SILTY SAND (SP), trace small pebbles, wet	SP			16.4						
			16.5					1.7						
			18.0					0.3						
			19.5					0.0						
				End of Boring at 20 ft. bgs				0.0						

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

Signature	Firm	Tel: 414-944-6080
	AECOM 1555 N RiverCenter Drive Milwaukee, WI 53212	Fax: 414-944-6081

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Gas Station - 704 75th St., Kenosha		MW-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	7/23/2018	7/23/2018	Direct Push/HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
V0341		MW-3	Feet MSL	609.06 Feet MSL	8.50

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 6, T 1 N, R 23 E
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

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	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 HA	60 60		0	Asphalt	Asphal									
				Fill: Gray GRAVEL, some coarse grain sand, trace silt, dry	Fill			0.0						Sample MW-3 (1-2) collected at 0935
			1.5	Fill: Brown fine grain SAND, little small pebbles, dry				0.0						
			3.0		Fill			0.0						
			4.5					0.0						
2 DP	60 30			Fill: Orange to brownish black, fine grain SAND, dry	Fill			0.0						
			6.0	Black PEAT	Pt			0.0						
				Brown fine grain SAND (SP), moist				0.0						
			7.5		SP			0.0						
								0.0						Sample MW-3 (8-9) collected at 0945
			9.0	Gray fine grain SAND (SP), trace small pebbles	SP			0.0						
				Wet at 9-9.5 ft. bgs										
3 DP	60 46		10.5	Gray to brown CLAYEY SILT (ML), some fine grain sand, wet	ML			0.0						
								0.0						
			12.0	Gray CLAY (CL), some silt, moist, stiff				0.0						
								0.0						
			13.5		CL			0.0						
								0.0						
4 DP	60 24		15.0					0.0						
			16.5					0.0						
				Gray SILTY CLAY (CL), little fine grain sand, wet, medium plasticity, soft				0.0						
			18.0		CL			0.0						
			19.5					0.0						
				End of Boring at 20 ft. bgs				0.0						

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

Signature	Firm	
	AECOM 1555 N RiverCenter Drive Milwaukee, WI 53212	Tel: 414-944-6080 Fax: 414-944-6081

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Gas Station - 704 75th St., Kenosha		MW-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	7/23/2018	7/23/2018	Direct Push/HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
V0342		MW-4	Feet MSL	610.54 Feet MSL	8.50

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 6, T 1 N, R 23 E
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

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	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 HA	60 60		0	Asphalt	Asphal									
				Fill: Gray GRAVEL, dry	Fill									
			1.5	Fill: Light brown coarse grain SAND, some fine grain sand, dry	Fill			0.0						Sample MW-4 (1-2) collected at 1055
			3.0					0.0						
			4.5					0.0						
2 DP	60 29		6.0					0.0						
				Fill: Orange to brownish-black coarse grain SAND, trace small pebbles, dry	Fill			0.0						
			7.5					0.0						
			9.0	Black PEAT (Pt), dry	Pt			0.0						Sample MW-4 (8-9) collected at 1105
				Dark brown coarse grain SAND (SP), moist	SP			0.0						
3 DP	60 48		10.5	Gray fine grain SAND (SP), little coarse grain sand, wet	SP			0.0						
			12.0					0.0						
			13.5					0.0						
			15.0	Gray SILTY CLAY (CL), trace small pebbles, wet, medium plasticity, soft	CL			0.0						
4 DP	60 31		16.5	Gray CLAYEY SILT (ML), little fine grain sand, trace small pebbles, wet	ML			0.0						
			18.0					0.0						
			19.5	Gray SILTY CLAY (CL), little fine grain sand, moist	CL			0.0						
				End of Boring at 20 ft. bgs				0.0						

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Gas Station - 704 75th St., Kenosha		SB-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	7/23/2018	7/23/2018	Direct Push/HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		SB-1	Feet MSL	Feet MSL	2.00

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
SE 1/4 of SE 1/4 of Section 6, T 1 N, R 23 E
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

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	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 HA	60 60		1.5	Concrete Fill: Light brown to brown fine grain SAND, trace small pebbles, dry	Concrete Fill			0.0 0.0						Sample SB-1 (1-2) collected at 1220
2 DP	60 33		3.0 4.5 6.0 7.5					0.0 0.0 0.0 0.0						
3 DP	60 51		9.0 10.5 12.0 13.5	Black PEAT (Pt) Light brown to orange fine grain SAND (SP), moist Wet at 11 ft. bgs	Pt SP			0.0 0.0 0.0 0.0 0.0 0.0 0.0						Sample SB-1 (10-11) collected at 1225
4 DP	60 56		15.0 16.5	Gray CLAYEY SILT (ML), little coarse grain sand, wet, low plasticity	ML			0.0 0.0 0.0						
			18.0 19.5	Gray SILTY CLAY (CL), wet, medium plasticity, soft	CL			0.0 0.0 0.0						
				End of Boring at 20 ft. bgs				0.0						

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Gas Station - 704 75th St., Kenosha		SB-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	7/23/2018	7/23/2018	Direct Push/HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		SB-2	Feet MSL	Feet MSL	2.00

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 6, T 1 N, R 23 E
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

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	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 HA	60 60		0	Asphalt	Asphal									
				Fill: Gray GRAVEL, dry	Fill			0.0						
			1.5	Brown to black fine grain SAND (SP), trace small pebbles, dry				0.0						Sample SB-2 (1-2) collected at 1410
			3.0					0.0						
			4.5		SP			0.0						
2 DP	60 40		6.0					0.0						
			7.5					0.0						
				Light brown fine grain SAND (SP), dry	SP			0.0						
			9.0	Gray fine grain SAND (SP), moist	SP			0.0						Sample SB-2 (9-10) collected at 1415
				Black fine grain SAND (SP) slight odor, moist	SP			0.0						
3 DP	60 47		10.5	Black to gray SILT (ML), trace small pebbles, wet	ML			0.3						
				Gray to brown CLAY (CL), trace coarse grain SAND (SP), wet, low plasticity, stiff				0.0						
			12.0					0.0						
								0.0						
			13.5					0.0						
								0.0						
4 DP	60 41		15.0		CL			0.0						
			16.5					0.0						
				Medium plasticity and soft at 17 ft. bgs				0.0						
			18.0					0.0						
			19.5					0.0						
				End of Boring at 20 ft. bgs				0.0						

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Signature	Firm	
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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Gas Station - 704 75th St., Kenosha		SB-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	7/23/2018	7/23/2018	Direct Push/HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		SB-3	Feet MSL	Feet MSL	2.00

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 6, T 1 N, R 23 E
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

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	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 HA	60 60		0	Asphalt	Asphal									
				Fill: Gray GRAVEL, dry	Fill			0.0						Sample SB-3 (1-2) collected at 1450
			1.5	Fill: Brown fine grain SAND, some coarse grain sand, trace small pebbles, dry	Fill			0.0						
			3.0	Fill: Black fine grain SAND, little roots, organic-rich, dry	Fill			0.0						
				Brown fine grain SAND (SP), trace small pebbles, dry				0.0						
			4.5					0.0						
2 DP	60 37		6.0		SP			0.0						
			7.5					0.0						
			9.0					0.0						
				Black fine grain SAND (SP), slight odor, wet	SP			63.8						Sample SB-3 (9-10) collected at 1500
3 DP	60 49		10.5	Gray SILT (CL), little fine grain sand, wet	ML			118.8						
			12.0	Gray CLAY (CL), trace small pebbles, moist, low plasticity, stiff				0.0						
								0.0						
			13.5		CL			0.0						
								0.0						
4 DP	60 51		15.0					0.0						
			16.5	Gray SILTY SAND (SP), wet				0.0						
								0.0						
			18.0		SP			0.0						
			19.5					0.0						
				End of Boring at 20 ft. bgs				0.0						

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Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Gas Station - 704 75th St., Kenosha		SB-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	7/23/2018	7/23/2018	Direct Push/HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		SB-4	Feet MSL	Feet MSL	2.00

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of SE 1/4 of Section 6, T 1 N, R 23 E
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

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	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 HA	60 60		0	Concrete	Concrete									
			1.5	Brown fine grain SAND (SP), trace small pebbles, dry	SP			0						Sample SB-4 (1-2) collected at 1620
			3.0					0						
			4.5					0						
2 DP	60 31		6.0					0						
			7.5	Gray to black coarse grain SAND (SP), some fine grain sand, little silt, slight odor, dry				341.4						
			9.0					117.2						
			10.5	Wet at 9. ft. bgs	SP			491.5						
3 DP	60 51		12.0					1695						
			13.5	Gray to black coarse grain SAND (SP), some fine grain sand, trace small pebbles, odor, wet	SP			699						
			15.0	Gray to black SILTY CLAY (CL), trace coarse grain sand, trace small pebbles, slight odor, moist, low plasticity, stiff	CL			428.6						Sample SB-4 (12-13) collected at 1630
4 DP	60 53		16.5					2,628						
			18.0					358.9						
			19.5	Gray CLAY (CL), slight odor, wet, medium plasticity, soft	CL			183.7						
				End of Boring at 20 ft. bgs				452.2						
								70.6						
								31.3						
								29.9						
								14.8						

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Signature	Firm	Tel: 414-944-6080
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Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Gas Station - 704 75th St., Kenosha		SB-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	7/23/2018	7/23/2018	Direct Push/HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		SB-5	Feet MSL	Feet MSL	2.00

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
SE 1/4 of SE 1/4 of Section 6, T 1 N, R 23 E
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha	30	Kenosha

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	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 HA	60 60		0	Concrete	Concrete			0.0						
			1.5	Fill: Brown coarse grain SAND, trace small pebbles, dry	Fill			0.0						Sample SB-5 (1-2) collected at 1145
			3.0					0.0						
			4.5					0.0						
2 DP	60 32		6.0					0.0						
				Fill: Light brown-orange fine grain SAND, dry	Fill			0.0						
			7.5	Black PEAT (Pt)	Pt			0.0						
				Brown coarse grain SAND (SP), some fine grain sand, trace small pebbles, dry	SP			0.0						Sample SB-5 (8-9) collected at 1155
			9.0					0.0						
				Gray SILTY CLAY (CL), wet, stiff										
3 DP	60 42		10.5					0.0						
			12.0					0.0						
								0.0						
			13.5					0.0						
					CL			0.0						
4 DP	60 53		15.0					0.0						
			16.5					0.0						
			18.0					0.0						
			19.5					0.0						
				End of Boring at 20 ft. bgs				0.0						

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Signature	Firm	
	AECOM 1555 N RiverCenter Drive Milwaukee, WI 53212	Tel: 414-944-6080 Fax: 414-944-6081

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: Former Gas Station - 704 75th St., Kenosha	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 St. Plane ft. N, ft. E. S/C/N	Wis. Unique Well No.: V0343 / DNR Well Number:
Facility ID		Date Well Installed: 07/23/2018
Type of Well: Well Code /Groundwater Monitoring Well	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 6, T. 1 N, R. 23 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Tony Kapugi
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	On-Site Environmental

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation 607.03 ft. MSL
C. Land surface elevation 607.60 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 attached? ☐ Yes ☒ No

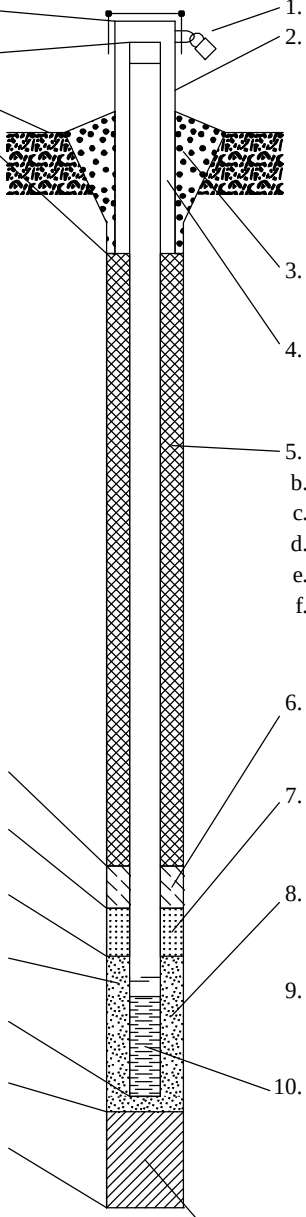
14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

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

E. Bentonite seal, top 606.6 ft. MSL or 1.00 ft.
F. Fine sand, top 603.6 ft. MSL or 4.00 ft.
G. Filter pack, top 602.6 ft. MSL or 5.00 ft.
H. Screen joint, top 600.6 ft. MSL or 7.00 ft.
I. Well bottom 590.6 ft. MSL or 17.00 ft.
J. Filter pack, bottom 587.6 ft. MSL or 20.00 ft.
K. Borehole, bottom 587.6 ft. MSL or 20.00 ft.
L. Borehole, diameter 8.50 in.
M. O.D. well casing 2.30 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 4 / Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 3 0 / Concrete ☒ 0 1 / Other ☐
Concrete
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 / Other ☐
3/8" Bentonite Chips
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____% Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 1.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Unimen 5010
b. Volume added 314 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Sidley Ohio 1020 Sand
b. Volume added 6 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / Other ☐
10. Screen material: Polyvinyl Chloride
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / Other ☐
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4 / Other ☒
Native

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

Signature	Firm	
	AECOM 1555 N RiverCenter Drive Milwaukee, WI 53212	Tel: 414-944-6080 Fax: 414-944-6081

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: Former Gas Station - 704 75th St., Kenosha	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 St. Plane ____ ft. N, ____ ft. E. S/C/N	Wis. Unique Well No.: V0344 / DNR Well Number:
Facility ID		Date Well Installed: 07/23/2018
Type of Well: Well Code /Groundwater Monitoring Well	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 6, T. 1 N, R. 23 ☒ E ☐ W	Well Installed By: (Person's Name and Firm): Tony Kapugi
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: ____ / On-Site Environmental

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation 606.80 ft. MSL
C. Land surface elevation 607.36 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 attached? ☐ Yes ☒ No

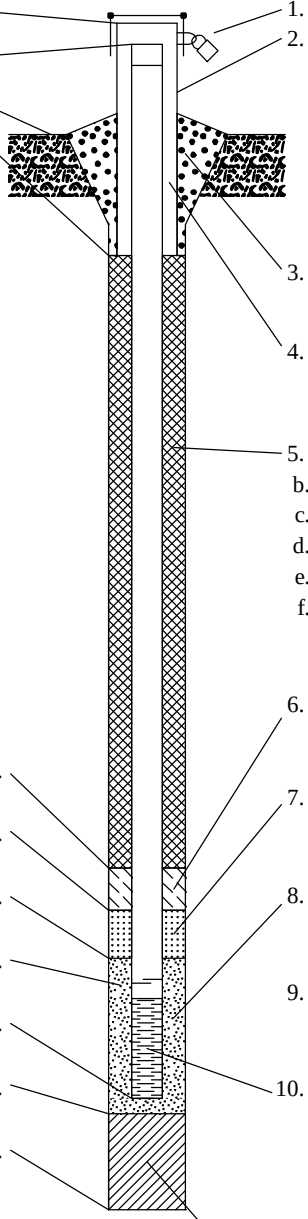
14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / Other ☐ ____

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

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

E. Bentonite seal, top 606.4 ft. MSL or 1.00 ft.
F. Fine sand, top 603.4 ft. MSL or 4.00 ft.
G. Filter pack, top 602.4 ft. MSL or 5.00 ft.
H. Screen joint, top 600.4 ft. MSL or 7.00 ft.
I. Well bottom 590.4 ft. MSL or 17.00 ft.
J. Filter pack, bottom 587.4 ft. MSL or 20.00 ft.
K. Borehole, bottom 587.4 ft. MSL or 20.00 ft.
L. Borehole, diameter 8.50 in.
M. O.D. well casing 2.30 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 4 / Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 3 0 / Concrete ☒ 0 1 / Concrete / Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 / 3/8" Bentonite Chips / Other ☐ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____% Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 1.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. Unimen 5010
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Sidley Ohio 1020 Sand
b. Volume added 6.5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / Other ☐ ____
10. Screen material: Polyvinyl Chloride
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / Other ☐ ____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4 / Native / Other ☒ ____

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

Signature	Firm	
	AECOM 1555 N RiverCenter Drive Milwaukee, WI 53212	Tel: 414-944-6080 Fax: 414-944-6081

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: Former Gas Station - 704 75th St., Kenosha	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 St. Plane ____ ft. N, ____ ft. E. S/C/N	Wis. Unique Well No.: V0341 / DNR Well Number:
Facility ID	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 6, T. 1 N, R. 23 ☒ E ☐ W	Date Well Installed: 07/23/2018
Type of Well: Well Code /Groundwater Monitoring Well	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm): Tony Kapugi; On-Site Environmental
Distance from Waste/Source ft. / Enf. Stds. Apply ☐	Gov. Lot Number	

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation 608.66 ft. MSL
C. Land surface elevation 609.06 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 attached? ☐ Yes ☒ No

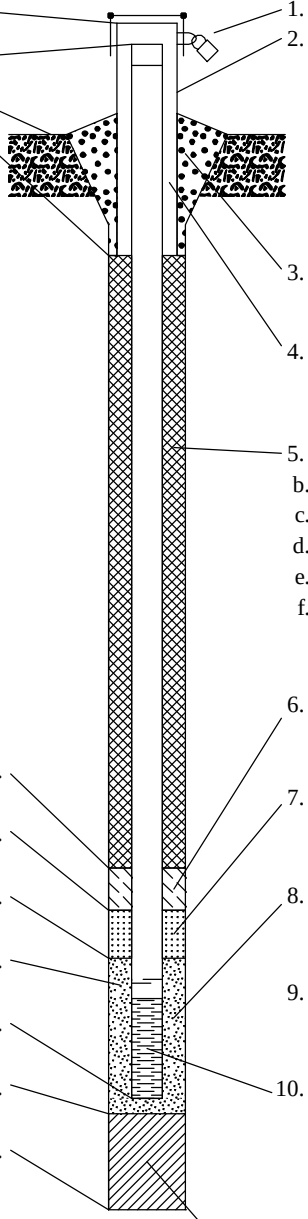
14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

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

E. Bentonite seal, top 608.1 ft. MSL or 1.00 ft.
F. Fine sand, top 605.1 ft. MSL or 4.00 ft.
G. Filter pack, top 604.1 ft. MSL or 5.00 ft.
H. Screen joint, top 602.1 ft. MSL or 7.00 ft.
I. Well bottom 592.1 ft. MSL or 17.00 ft.
J. Filter pack, bottom 589.1 ft. MSL or 20.00 ft.
K. Borehole, bottom 589.1 ft. MSL or 20.00 ft.
L. Borehole, diameter 8.50 in.
M. O.D. well casing 2.30 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 4 / Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 3 0 / Concrete ☒ 0 1 / Concrete / Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 / 3/8" Bentonite Chips / Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____% Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 1.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Unimen 5010
b. Volume added 0.75 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Sidley Ohio 1020 Sand
b. Volume added 6 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / Other ☐
10. Screen material: Polyvinyl Chloride
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / Other ☐
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4 / Native / Other ☒

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

Signature | Firm: AECOM, 1555 N RiverCenter Drive Milwaukee, WI 53212 | Tel: 414-944-6080 Fax: 414-944-6081

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: Former Gas Station - 704 75th St., Kenosha	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 St. Plane ____ ft. N, ____ ft. E. S/C/N	Wis. Unique Well No.: V0342 / DNR Well Number:
Facility ID	Section Location of Waste/Source: SE 1/4 of SE 1/4 of Sec. 6, T. 1 N, R. 23 ☒ E ☐ W	Date Well Installed: 07/23/2018
Type of Well: Well Code /Groundwater Monitoring Well	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm): Tony Kapugi; On-Site Environmental
Distance from Waste/Source ft. / Enf. Stds. Apply ☐	Gov. Lot Number	

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation 610.10 ft. MSL
C. Land surface elevation 610.54 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 attached? ☐ Yes ☒ No

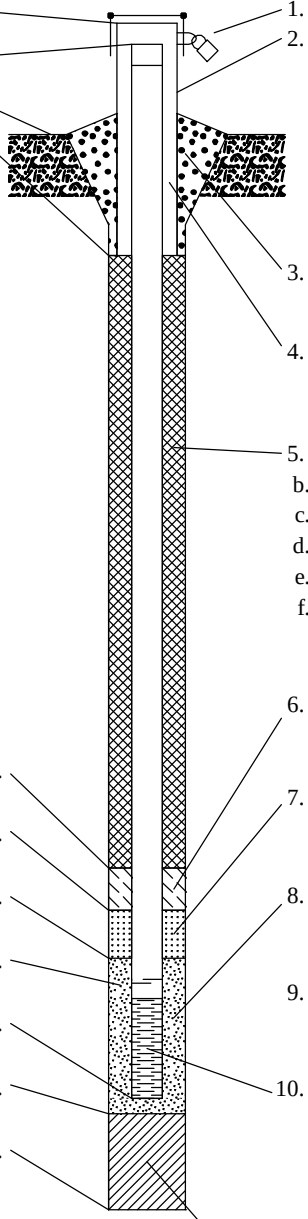
14. Drilling method used: Rotary ☐ 5 0 / Hollow Stem Auger ☒ 4 1 / Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1 Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

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

E. Bentonite seal, top 609.5 ft. MSL or 1.00 ft.
F. Fine sand, top 606.5 ft. MSL or 4.00 ft.
G. Filter pack, top 605.5 ft. MSL or 5.00 ft.
H. Screen joint, top 603.5 ft. MSL or 7.00 ft.
I. Well bottom 593.5 ft. MSL or 17.00 ft.
J. Filter pack, bottom 590.5 ft. MSL or 20.00 ft.
K. Borehole, bottom 590.5 ft. MSL or 20.00 ft.
L. Borehole, diameter 8.50 in.
M. O.D. well casing 2.30 in.
N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 0 4 / Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 3 0 / Concrete ☒ 0 1 (Concrete) / Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 (3/8" Bentonite Chips) / Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. ____Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. ____Lbs/gal mud weight . . . Bentonite slurry ☐ 3 1
d. ____% Bentonite . . . Bentonite-cement grout ☐ 5 0
e. 1.5 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 / Tremie pumped ☐ 0 2 / Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Unimen 5010
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Sidley Ohio 1020 Sand
b. Volume added 5.5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 / Flush threaded PVC schedule 80 ☐ 2 4 / Other ☐
10. Screen material: Polyvinyl Chloride
a. Screen Type: Factory cut ☒ 1 1 / Continuous slot ☐ 0 1 / Other ☐
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐ 1 4 / (Native) Other ☒

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

Signature	Firm	
	AECOM 1555 N RiverCenter Drive Milwaukee, WI 53212	Tel: 414-944-6080 Fax: 414-944-6081

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
704 75th St	Kenosha	MW-1

Facility License, Permit or Monitoring Number	County Code	Wisconsin Unique Well Number	DNR Well Number
	30	VO343	

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

2. Well development method

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

3. Time spent developing well: 60 min.

4. Depth of well (from top of well casing): 16.71 ft.

5. Inside diameter of well: 2 in.

6. Volume of water in filter pack and well casing: 5.91 gal.

7. Volume of water removed from well: 14 gal.

8. Volume of water added (if any): 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.	9.88 ft.	15.71 ft.
Date	b.	8/2/2018 (mm / dd / yyyy)	8/2/2018 (mm / dd / yyyy)
Time	c.	815 ☑ a.m. ☐ p.m.	440 ☐ a.m. ☑ p.m.
12. Sediment in well bottom		0.01 inches	inches
13. Water clarity		Clear ☐ 10 Turbid ☑ 15	Clear ☑ 20 Turbid ☐ 25
		(Describe) Turbid	(Describe) Cloudy

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: Zach Last Name: Albert
Firm: AECOM

16. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Zach Last Name: Albert
Facility/Firm: AECOM
Street: 1555 N. Rivercenter Drive, Ste. 214, Milwaukee, WI 53212, USA
City/State/Zip: Milwaukee WI

I hereby certify that the above information is correct and true to the best of my knowledge
Signature:
Print Name: Zach Albert
Firm: AECOM

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
704 75th St	Kenosha	MW-2

Facility License, Permit or Monitoring Number	County Code	Wisconsin Unique Well Number	DNR Well Number
	30	VO344	

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

2. Well development method

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

3. Time spent developing well: 60 min.

4. Depth of well (from top of well casing): 16.91 ft.

5. Inside diameter of well: 2 in.

6. Volume of water in filter pack and well casing: 6.17 gal.

7. Volume of water removed from well: 12 gal.

8. Volume of water added (if any): _____ 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.	9.84 ft.	15.91 ft.
Date	b.	8/2/2018 (mm / dd / yyyy)	8/2/2018 (mm / dd / yyyy)
Time	c.	915 ☑ a.m. ☐ p.m.	510 ☐ a.m. ☑ p.m.
12. Sediment in well bottom		_____ inches	_____ inches
13. Water clarity		Clear ☐ 10 Turbid ☑ 15	Clear ☑ 20 Turbid ☐ 25
		(Describe) Turbid	(Describe) Cloudy

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: Zach Last Name: Albert
Firm: AECOM

16. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Zach Last Name: Albert
Facility/Firm: AECOM
Street: 1555 N. Rivercenter Drive, Ste. 214, Milwaukee, WI 53212, USA
City/State/Zip: Milwaukee WI

I hereby certify that the above information is correct and true to the best of my knowledge
Signature: _____
Print Name: Zach Albert
Firm: AECOM

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
704 75th St	Kenosha	MW-3

Facility License, Permit or Monitoring Number	County Code	Wisconsin Unique Well Number	DNR Well Number
	30	VO341	

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

2. Well development method

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

3. Time spent developing well: 60 min.

4. Depth of well (from top of well casing): 16.46 ft.

5. Inside diameter of well: 2 in.

6. Volume of water in filter pack and well casing: 5.58 gal.

7. Volume of water removed from well: 11 gal.

8. Volume of water added (if any): _____ 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.	10.39 ft.	15.46 ft.
Date b.	8/2/2018 (mm / dd / yyyy)	8/2/2018 (mm / dd / yyyy)
Time c.	1000 ☑ a.m. ☐ p.m.	525 ☐ a.m. ☑ p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15	Clear ☑ 20 Turbid ☐ 25
	(Describe) Turbid	(Describe) Cloudy

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: Zach Last Name: Albert
Firm: AECOM

16. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Zach Last Name: Albert
Facility/Firm: AECOM
Street: 1555 N. Rivercenter Drive, Ste. 214, Milwaukee, WI 53212, USA
City/State/Zip: Milwaukee WI

I hereby certify that the above information is correct and true to the best of my knowledge
Signature: _____
Print Name: Zach Albert
Firm: AECOM

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
704 75th St	Kenosha	MW-4

Facility License, Permit or Monitoring Number	County Code	Wisconsin Unique Well Number	DNR Well Number
	30	VO342	

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

2. Well development method

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

3. Time spent developing well: 60 min.

4. Depth of well (from top of well casing): 16.85 ft.

5. Inside diameter of well: 2 in.

6. Volume of water in filter pack and well casing: 6.16 gal.

7. Volume of water removed from well: 12 gal.

8. Volume of water added (if any): _____ 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.	9.8 ft.	15.85 ft.
Date	b.	8/2/2018 (m m / d d / y y y y)	8/2/2018 (m m / d d / y y y y)
Time	c.	1030 ☑ a.m. ☐ p.m.	410 ☐ a.m. ☑ p.m.
12. Sediment in well bottom		_____ inches	_____ inches
13. Water clarity		Clear ☐ 10 Turbid ☑ 15	Clear ☑ 20 Turbid ☐ 25
		(Describe) Turbid	(Describe) Cloudy

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: Zach Last Name: Albert
Firm: AECOM

16. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Zach Last Name: Albert
Facility/Firm: AECOM
Street: 1555 N. Rivercenter Drive, Ste. 214, Milwaukee, WI 53212, USA
City/State/Zip: Milwaukee WI

I hereby certify that the above information is correct and true to the best of my knowledge
Signature: _____
Print Name: Zach Albert
Firm: AECOM

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

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Kenosha	SB-1	

Lattitude / Longitude (Degrees and Minutes): ° ' " 'W ; ° ' " 'N
Method Code (see instructions):

¼ / ¼ SE	¼ SE	Section	Township	Range
or Gov't Lot #		6	1	23 ☒ E ☐ W

Well Street Address: 704 75th Street

Well City, Village or Town	Well ZIP Code
Kenosha	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Soil Probe Abandonment	

2. Facility / Owner Information

Facility Name: Former Gas Station - 704 75th St., Kenosha
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 7/23/2018
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
20.00	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	11.0

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

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

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

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

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

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	20.0	2	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental		7/23/2018

Street or Route	Telephone Number
PO Box 280	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work:
Date Signed:

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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

☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Kenosha	SB-2	

Lattitude / Longitude (Degrees and Minutes): ° ' " 'W ; ° ' " 'N
Method Code (see instructions):

¼ / ¼ SE	¼ SE	Section	Township	Range
or Gov't Lot #		6	1	23 ☒ E ☐ W

Well Street Address: 704 75th Street

Well City, Village or Town	Well ZIP Code
Kenosha	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Soil Probe Abandonment	

2. Facility / Owner Information

Facility Name: Former Gas Station - 704 75th St., Kenosha
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 7/23/2018
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
20.00	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	10.0

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

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

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

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

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

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	20.0	2	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental		7/23/2018

Street or Route	Telephone Number
PO Box 280	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work:
Date Signed:

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Kenosha	SB-3	

Lattitude / Longitude (Degrees and Minutes): ° ' " 'W ; ° ' " 'N
Method Code (see instructions):

¼ / ¼ SE	¼ SE	Section	Township	Range
or Gov't Lot #		6	1	23 ☒ E ☐ W

Well Street Address: 704 75th Street

Well City, Village or Town	Well ZIP Code
Kenosha	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Soil Probe Abandonment	

2. Facility / Owner Information

Facility Name: Former Gas Station - 704 75th St., Kenosha
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 7/23/2018
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
20.00	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	9.5

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

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

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

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

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

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	20.0	2	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental		7/23/2018

Street or Route	Telephone Number
PO Box 280	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work:
Date Signed:

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Kenosha	SB-4	

Lattitude / Longitude (Degrees and Minutes): ° ' " 'W ; ° ' " 'N
Method Code (see instructions):

¼ / ¼ SE	¼ SE	Section	Township	Range
or Gov't Lot #		6	1	23 ☒ E ☐ W

Well Street Address: 704 75th Street

Well City, Village or Town	Well ZIP Code
Kenosha	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Soil Probe Abandonment	

2. Facility / Owner Information

Facility Name: Former Gas Station - 704 75th St., Kenosha
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 7/23/2018
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
20.00	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	9.5

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

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

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

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

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

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	20.0	2	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
On-Site Environmental		7/23/2018

Street or Route	Telephone Number
PO Box 280	608-837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work:
Date Signed:

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-5 (R 4/08)

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☐ Verification Only of Fill and Seal

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Kenosha	SB-5	

Lattitude / Longitude (Degrees and Minutes): ° ' " 'W ; ° ' " 'N
Method Code (see instructions):

¼ / ¼ SE	¼ SE	Section	Township	Range
or Gov't Lot #		6	1	23 ☒ E ☐ W

Well Street Address: 704 75th Street

Well City, Village or Town	Well ZIP Code
Kenosha	

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Soil Probe Abandonment	

2. Facility / Owner Information

Facility Name: Former Gas Station - 704 75th St., Kenosha
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

Original Construction Date: 7/23/2018
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify)

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
20.00	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	9.5

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

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

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

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

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

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	20.0	1.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)	DNR Use Only: Date Received	Noted By
On-Site Environmental		7/23/2018		

Street or Route	Telephone Number	Comments
PO Box 280	608-837-8992	

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		

Appendix B

Soil Sample Laboratory Analytical Results & Groundwater Sample Laboratory Analytical Results

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

August 01, 2018

Lanette Altenbach
AECOM, Inc.
1555 N River Center Drive
Suite 214
Milwaukee, WI 53212

RE: Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Dear Lanette Altenbach:
Enclosed are the analytical results for sample(s) received by the laboratory on July 25, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Christopher Hyska

Christopher Hyska
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: 60578411 704 75TH STREET
Pace Project No.: 40173023

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: 60578411 704 75TH STREET
Pace Project No.: 40173023

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40173023001	**MW-3 (1-2)**	Solid	07/23/18 09:35	07/25/18 09:50
40173023002	**MW-3 (8-9)**	Solid	07/23/18 09:45	07/25/18 09:50
40173023003	**MTB-1**	Solid	07/23/18 09:00	07/25/18 09:50
40173023004	**MW-4 (1-2)**	Solid	07/23/18 10:55	07/25/18 09:50
40173023005	**MW-4 (8-9)**	Solid	07/23/18 11:05	07/25/18 09:50
40173023006	**SB-5 (1-2)**	Solid	07/23/18 11:45	07/25/18 09:50
40173023007	**SB-5 (8-9)**	Solid	07/23/18 11:55	07/25/18 09:50
40173023008	**SB-1 (1-2)**	Solid	07/23/18 12:20	07/25/18 09:50
40173023009	**SB-1 (10-11)**	Solid	07/23/18 12:25	07/25/18 09:50
40173023010	**MW-1 (1-2)**	Solid	07/23/18 12:55	07/25/18 09:50
40173023011	**MW-1 (8-9)**	Solid	07/23/18 13:05	07/25/18 09:50
40173023012	**SB-2 (1-2)**	Solid	07/23/18 14:10	07/25/18 09:50
40173023013	**SB-2 (9-10)**	Solid	07/23/18 14:15	07/25/18 09:50
40173023014	**SB-3 (1-2)**	Solid	07/23/18 14:50	07/25/18 09:50
40173023015	**SB-3 (9-10)**	Solid	07/23/18 15:00	07/25/18 09:50
40173023016	**MW-2 (1-2)**	Solid	07/23/18 15:30	07/25/18 09:50
40173023017	**MW-2 (9-10)**	Solid	07/23/18 15:40	07/25/18 09:50
40173023018	**SB-4 (1-2)**	Solid	07/23/18 16:20	07/25/18 09:50
40173023019	**SB-4 (12-13)**	Solid	07/23/18 16:30	07/25/18 09:50

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SAMPLE ANALYTE COUNT

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40173023001	**MW-3 (1-2)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023002	**MW-3 (8-9)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023003	**MTB-1**	EPA 8260	SMT	63	PASI-G
40173023004	**MW-4 (1-2)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023005	**MW-4 (8-9)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023006	**SB-5 (1-2)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023007	**SB-5 (8-9)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023008	**SB-1 (1-2)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023009	**SB-1 (10-11)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023010	**MW-1 (1-2)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023011	**MW-1 (8-9)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023012	**SB-2 (1-2)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023013	**SB-2 (9-10)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40173023014	**SB-3 (1-2)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023015	**SB-3 (9-10)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023016	**MW-2 (1-2)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023017	**MW-2 (9-10)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023018	**SB-4 (1-2)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G
40173023019	**SB-4 (12-13)**	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	SSM	1	PASI-G

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SUMMARY OF DETECTION

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40173023001	**MW-3 (1-2)**					
ASTM D2974-87	Percent Moisture	3.0	%	0.10	07/27/18 14:59	
40173023002	**MW-3 (8-9)**					
ASTM D2974-87	Percent Moisture	6.6	%	0.10	07/27/18 15:00	
40173023004	**MW-4 (1-2)**					
ASTM D2974-87	Percent Moisture	3.5	%	0.10	07/27/18 15:00	
40173023005	**MW-4 (8-9)**					
ASTM D2974-87	Percent Moisture	12.2	%	0.10	07/27/18 15:00	
40173023006	**SB-5 (1-2)**					
EPA 8270 by SIM	Benzo(a)anthracene	10.8J	ug/kg	11.1	07/31/18 17:38	
EPA 8270 by SIM	Benzo(a)pyrene	10.5	ug/kg	8.8	07/31/18 17:38	
EPA 8270 by SIM	Benzo(b)fluoranthene	10.4	ug/kg	9.9	07/31/18 17:38	
EPA 8270 by SIM	Benzo(g,h,i)perylene	8.1	ug/kg	7.1	07/31/18 17:38	
EPA 8270 by SIM	Benzo(k)fluoranthene	9.9	ug/kg	8.8	07/31/18 17:38	
EPA 8270 by SIM	Chrysene	11.7J	ug/kg	11.7	07/31/18 17:38	
EPA 8270 by SIM	Dibenz(a,h)anthracene	2.7J	ug/kg	7.8	07/31/18 17:38	
EPA 8270 by SIM	Fluoranthene	13.3J	ug/kg	18.2	07/31/18 17:38	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	6.1J	ug/kg	7.7	07/31/18 17:38	
EPA 8270 by SIM	Naphthalene	10.1J	ug/kg	29.4	07/31/18 17:38	
EPA 8270 by SIM	Pyrene	12.3J	ug/kg	15.7	07/31/18 17:38	
ASTM D2974-87	Percent Moisture	4.4	%	0.10	07/27/18 15:00	
40173023007	**SB-5 (8-9)**					
ASTM D2974-87	Percent Moisture	11.4	%	0.10	07/27/18 15:00	
40173023008	**SB-1 (1-2)**					
ASTM D2974-87	Percent Moisture	3.7	%	0.10	07/27/18 15:00	
40173023009	**SB-1 (10-11)**					
ASTM D2974-87	Percent Moisture	3.6	%	0.10	07/27/18 15:00	
40173023010	**MW-1 (1-2)**					
EPA 8270 by SIM	Benzo(a)pyrene	2.7J	ug/kg	8.8	07/30/18 20:25	
EPA 8270 by SIM	Benzo(g,h,i)perylene	2.3J	ug/kg	7.2	07/30/18 20:25	
EPA 8270 by SIM	Benzo(k)fluoranthene	2.9J	ug/kg	8.8	07/30/18 20:25	
EPA 8270 by SIM	Chrysene	3.8J	ug/kg	11.8	07/30/18 20:25	
ASTM D2974-87	Percent Moisture	5.3	%	0.10	07/27/18 15:00	
40173023011	**MW-1 (8-9)**					
ASTM D2974-87	Percent Moisture	9.4	%	0.10	07/27/18 15:00	
40173023012	**SB-2 (1-2)**					
EPA 8260	1,2,4-Trimethylbenzene	27.4J	ug/kg	63.5	07/26/18 14:49	
ASTM D2974-87	Percent Moisture	5.5	%	0.10	07/27/18 15:00	
40173023013	**SB-2 (9-10)**					
EPA 8270 by SIM	Acenaphthene	5.4J	ug/kg	15.3	08/01/18 11:32	
EPA 8270 by SIM	1-Methylnaphthalene	756	ug/kg	15.9	08/01/18 11:32	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40173023013	**SB-2 (9-10)**					
EPA 8270 by SIM	2-Methylnaphthalene	825	ug/kg	19.8	08/01/18 11:32	
EPA 8270 by SIM	Naphthalene	173	ug/kg	33.4	08/01/18 11:32	
EPA 8260	1,2,4-Trimethylbenzene	112	ug/kg	71.3	07/26/18 20:36	
EPA 8260	1,3,5-Trimethylbenzene	184	ug/kg	71.3	07/26/18 20:36	
ASTM D2974-87	Percent Moisture	15.8	%	0.10	07/27/18 15:00	
40173023014	**SB-3 (1-2)**					
ASTM D2974-87	Percent Moisture	5.3	%	0.10	07/27/18 15:47	
40173023015	**SB-3 (9-10)**					
EPA 8270 by SIM	1-Methylnaphthalene	2260	ug/kg	82.2	07/31/18 14:26	
EPA 8270 by SIM	2-Methylnaphthalene	64.2J	ug/kg	102	07/31/18 14:26	
EPA 8270 by SIM	Naphthalene	325	ug/kg	172	07/31/18 14:26	
EPA 8260	n-Butylbenzene	1780	ug/kg	294	07/26/18 15:12	
EPA 8260	sec-Butylbenzene	432	ug/kg	294	07/26/18 15:12	
EPA 8260	Naphthalene	736J	ug/kg	1220	07/26/18 15:12	
EPA 8260	n-Propylbenzene	903	ug/kg	294	07/26/18 15:12	
EPA 8260	1,2,4-Trimethylbenzene	5350	ug/kg	294	07/26/18 15:12	
EPA 8260	1,3,5-Trimethylbenzene	194J	ug/kg	294	07/26/18 15:12	
ASTM D2974-87	Percent Moisture	18.3	%	0.10	07/27/18 15:47	
40173023016	**MW-2 (1-2)**					
EPA 8270 by SIM	Acenaphthylene	5.5J	ug/kg	11.7	07/31/18 15:53	
EPA 8270 by SIM	Fluorene	9.1J	ug/kg	14.7	07/31/18 15:53	
EPA 8270 by SIM	1-Methylnaphthalene	50.9	ug/kg	14.2	07/31/18 15:53	
EPA 8270 by SIM	2-Methylnaphthalene	80.8	ug/kg	17.7	07/31/18 15:53	
EPA 8270 by SIM	Naphthalene	227	ug/kg	29.9	07/31/18 15:53	M1
EPA 8270 by SIM	Phenanthrene	25.0J	ug/kg	41.2	07/31/18 15:53	
EPA 8270 by SIM	Pyrene	7.1J	ug/kg	15.9	07/31/18 15:53	
ASTM D2974-87	Percent Moisture	5.8	%	0.10	07/27/18 15:47	
40173023017	**MW-2 (9-10)**					
EPA 8270 by SIM	1-Methylnaphthalene	416	ug/kg	82.9	08/01/18 12:40	
EPA 8270 by SIM	2-Methylnaphthalene	701	ug/kg	103	08/01/18 12:40	
EPA 8270 by SIM	Naphthalene	2050	ug/kg	174	08/01/18 12:40	
EPA 8260	n-Butylbenzene	266	ug/kg	185	07/26/18 15:58	
EPA 8260	sec-Butylbenzene	156J	ug/kg	185	07/26/18 15:58	
EPA 8260	Ethylbenzene	1540	ug/kg	185	07/26/18 15:58	
EPA 8260	Isopropylbenzene (Cumene)	267	ug/kg	185	07/26/18 15:58	D3
EPA 8260	Naphthalene	5750	ug/kg	772	07/26/18 15:58	
EPA 8260	n-Propylbenzene	1630	ug/kg	185	07/26/18 15:58	
EPA 8260	1,2,4-Trimethylbenzene	3470	ug/kg	185	07/26/18 15:58	
ASTM D2974-87	Percent Moisture	19.1	%	0.10	07/27/18 15:47	
40173023018	**SB-4 (1-2)**					
ASTM D2974-87	Percent Moisture	2.8	%	0.10	07/27/18 15:47	
40173023019	**SB-4 (12-13)**					
EPA 8270 by SIM	Benzo(g,h,i)perylene	3.4J	ug/kg	8.0	07/31/18 17:21	
EPA 8270 by SIM	Chrysene	5.0J	ug/kg	13.2	07/31/18 17:21	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40173023019	**SB-4 (12-13)**					
EPA 8270 by SIM	1-Methylnaphthalene	25.5	ug/kg	15.8	07/31/18 17:21	
EPA 8270 by SIM	2-Methylnaphthalene	38.3	ug/kg	19.6	07/31/18 17:21	
EPA 8270 by SIM	Naphthalene	34.9	ug/kg	33.0	07/31/18 17:21	
EPA 8260	1,2,4-Trimethylbenzene	63.4J	ug/kg	70.5	07/26/18 19:28	
EPA 8260	Xylene (Total)	88.9J	ug/kg	212	07/26/18 19:28	
ASTM D2974-87	Percent Moisture	15.0	%	0.10	07/27/18 15:47	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-3 (1-2) **Lab ID: 40173023001** Collected: 07/23/18 09:35 Received: 07/25/18 09:50 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	**<4.0**	ug/kg	13.3	4.0	1	07/30/18 09:25	07/30/18 17:48	83-32-9	
Acenaphthylene	**<3.4**	ug/kg	11.3	3.4	1	07/30/18 09:25	07/30/18 17:48	208-96-8	
Anthracene	**<5.9**	ug/kg	19.6	5.9	1	07/30/18 09:25	07/30/18 17:48	120-12-7	
Benzo(a)anthracene	**<3.3**	ug/kg	10.9	3.3	1	07/30/18 09:25	07/30/18 17:48	56-55-3	
Benzo(a)pyrene	**<2.6**	ug/kg	8.6	2.6	1	07/30/18 09:25	07/30/18 17:48	50-32-8	
Benzo(b)fluoranthene	**<2.9**	ug/kg	9.7	2.9	1	07/30/18 09:25	07/30/18 17:48	205-99-2	
Benzo(g,h,i)perylene	**<2.1**	ug/kg	7.0	2.1	1	07/30/18 09:25	07/30/18 17:48	191-24-2	
Benzo(k)fluoranthene	**<2.6**	ug/kg	8.6	2.6	1	07/30/18 09:25	07/30/18 17:48	207-08-9	
Chrysene	**<3.5**	ug/kg	11.5	3.5	1	07/30/18 09:25	07/30/18 17:48	218-01-9	
Dibenz(a,h)anthracene	**<2.3**	ug/kg	7.7	2.3	1	07/30/18 09:25	07/30/18 17:48	53-70-3	
Fluoranthene	**<5.4**	ug/kg	17.9	5.4	1	07/30/18 09:25	07/30/18 17:48	206-44-0	
Fluorene	**<4.3**	ug/kg	14.2	4.3	1	07/30/18 09:25	07/30/18 17:48	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.3**	ug/kg	7.5	2.3	1	07/30/18 09:25	07/30/18 17:48	193-39-5	
1-Methylnaphthalene	**<4.1**	ug/kg	13.8	4.1	1	07/30/18 09:25	07/30/18 17:48	90-12-0	
2-Methylnaphthalene	**<5.2**	ug/kg	17.2	5.2	1	07/30/18 09:25	07/30/18 17:48	91-57-6	
Naphthalene	**<8.7**	ug/kg	28.9	8.7	1	07/30/18 09:25	07/30/18 17:48	91-20-3	
Phenanthrene	**<12.0**	ug/kg	40.0	12.0	1	07/30/18 09:25	07/30/18 17:48	85-01-8	
Pyrene	**<4.6**	ug/kg	15.4	4.6	1	07/30/18 09:25	07/30/18 17:48	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	62	%	10-115		1	07/30/18 09:25	07/30/18 17:48	321-60-8	
Terphenyl-d14 (S)	64	%	10-121		1	07/30/18 09:25	07/30/18 17:48	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 11:03	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 11:03	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 11:03	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 11:03	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-3 (1-2) **Lab ID: 40173023001** Collected: 07/23/18 09:35 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 11:03	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 11:03	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:03	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 11:03	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	94	%	57-148		1	07/26/18 07:45	07/26/18 11:03	1868-53-7	
Toluene-d8 (S)	93	%	58-142		1	07/26/18 07:45	07/26/18 11:03	2037-26-5	
4-Bromofluorobenzene (S)	68	%	48-130		1	07/26/18 07:45	07/26/18 11:03	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.0**	%	0.10	0.10	1		07/27/18 14:59		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-3 (8-9) **Lab ID: 40173023002** Collected: 07/23/18 09:45 Received: 07/25/18 09:50 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	**<4.2**	ug/kg	13.8	4.2	1	07/30/18 09:25	07/30/18 18:41	83-32-9	
Acenaphthylene	**<3.5**	ug/kg	11.8	3.5	1	07/30/18 09:25	07/30/18 18:41	208-96-8	
Anthracene	**<6.1**	ug/kg	20.4	6.1	1	07/30/18 09:25	07/30/18 18:41	120-12-7	
Benzo(a)anthracene	**<3.4**	ug/kg	11.4	3.4	1	07/30/18 09:25	07/30/18 18:41	56-55-3	
Benzo(a)pyrene	**<2.7**	ug/kg	9.0	2.7	1	07/30/18 09:25	07/30/18 18:41	50-32-8	
Benzo(b)fluoranthene	**<3.0**	ug/kg	10.1	3.0	1	07/30/18 09:25	07/30/18 18:41	205-99-2	
Benzo(g,h,i)perylene	**<2.2**	ug/kg	7.3	2.2	1	07/30/18 09:25	07/30/18 18:41	191-24-2	
Benzo(k)fluoranthene	**<2.7**	ug/kg	9.0	2.7	1	07/30/18 09:25	07/30/18 18:41	207-08-9	
Chrysene	**<3.6**	ug/kg	12.0	3.6	1	07/30/18 09:25	07/30/18 18:41	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	8.0	2.4	1	07/30/18 09:25	07/30/18 18:41	53-70-3	
Fluoranthene	**<5.6**	ug/kg	18.7	5.6	1	07/30/18 09:25	07/30/18 18:41	206-44-0	
Fluorene	**<4.4**	ug/kg	14.8	4.4	1	07/30/18 09:25	07/30/18 18:41	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.4**	ug/kg	7.9	2.4	1	07/30/18 09:25	07/30/18 18:41	193-39-5	
1-Methylnaphthalene	**<4.3**	ug/kg	14.4	4.3	1	07/30/18 09:25	07/30/18 18:41	90-12-0	
2-Methylnaphthalene	**<5.4**	ug/kg	17.9	5.4	1	07/30/18 09:25	07/30/18 18:41	91-57-6	
Naphthalene	**<9.0**	ug/kg	30.1	9.0	1	07/30/18 09:25	07/30/18 18:41	91-20-3	
Phenanthrene	**<12.5**	ug/kg	41.6	12.5	1	07/30/18 09:25	07/30/18 18:41	85-01-8	
Pyrene	**<4.8**	ug/kg	16.1	4.8	1	07/30/18 09:25	07/30/18 18:41	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	47	%	10-115		1	07/30/18 09:25	07/30/18 18:41	321-60-8	
Terphenyl-d14 (S)	53	%	10-121		1	07/30/18 09:25	07/30/18 18:41	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 11:26	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 11:26	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 11:26	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 11:26	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-3 (8-9) **Lab ID: 40173023002** Collected: 07/23/18 09:45 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 11:26	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 11:26	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:26	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 11:26	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	96	%	57-148		1	07/26/18 07:45	07/26/18 11:26	1868-53-7	
Toluene-d8 (S)	96	%	58-142		1	07/26/18 07:45	07/26/18 11:26	2037-26-5	
4-Bromofluorobenzene (S)	71	%	48-130		1	07/26/18 07:45	07/26/18 11:26	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.6**	%	0.10	0.10	1		07/27/18 15:00		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MTB-1 **Lab ID: 40173023003** Collected: 07/23/18 09:00 Received: 07/25/18 09:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 10:41	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 10:41	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 10:41	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 10:41	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 10:41	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MTB-1 **Lab ID: 40173023003** Collected: 07/23/18 09:00 Received: 07/25/18 09:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 10:41	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 10:41	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 10:41	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	101	%	57-148		1	07/26/18 07:45	07/26/18 10:41	1868-53-7	
Toluene-d8 (S)	103	%	58-142		1	07/26/18 07:45	07/26/18 10:41	2037-26-5	
4-Bromofluorobenzene (S)	85	%	48-130		1	07/26/18 07:45	07/26/18 10:41	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-4 (1-2) **Lab ID: 40173023004** Collected: 07/23/18 10:55 Received: 07/25/18 09:50 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	**<4.0**	ug/kg	13.4	4.0	1	07/30/18 09:25	07/30/18 18:58	83-32-9	
Acenaphthylene	**<3.4**	ug/kg	11.4	3.4	1	07/30/18 09:25	07/30/18 18:58	208-96-8	
Anthracene	**<5.9**	ug/kg	19.7	5.9	1	07/30/18 09:25	07/30/18 18:58	120-12-7	
Benzo(a)anthracene	**<3.3**	ug/kg	11.0	3.3	1	07/30/18 09:25	07/30/18 18:58	56-55-3	
Benzo(a)pyrene	**<2.6**	ug/kg	8.7	2.6	1	07/30/18 09:25	07/30/18 18:58	50-32-8	
Benzo(b)fluoranthene	**<2.9**	ug/kg	9.7	2.9	1	07/30/18 09:25	07/30/18 18:58	205-99-2	
Benzo(g,h,i)perylene	**<2.1**	ug/kg	7.0	2.1	1	07/30/18 09:25	07/30/18 18:58	191-24-2	
Benzo(k)fluoranthene	**<2.6**	ug/kg	8.7	2.6	1	07/30/18 09:25	07/30/18 18:58	207-08-9	
Chrysene	**<3.5**	ug/kg	11.6	3.5	1	07/30/18 09:25	07/30/18 18:58	218-01-9	
Dibenz(a,h)anthracene	**<2.3**	ug/kg	7.7	2.3	1	07/30/18 09:25	07/30/18 18:58	53-70-3	
Fluoranthene	**<5.4**	ug/kg	18.0	5.4	1	07/30/18 09:25	07/30/18 18:58	206-44-0	
Fluorene	**<4.3**	ug/kg	14.3	4.3	1	07/30/18 09:25	07/30/18 18:58	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.3**	ug/kg	7.6	2.3	1	07/30/18 09:25	07/30/18 18:58	193-39-5	
1-Methylnaphthalene	**<4.2**	ug/kg	13.9	4.2	1	07/30/18 09:25	07/30/18 18:58	90-12-0	
2-Methylnaphthalene	**<5.2**	ug/kg	17.3	5.2	1	07/30/18 09:25	07/30/18 18:58	91-57-6	
Naphthalene	**<8.7**	ug/kg	29.1	8.7	1	07/30/18 09:25	07/30/18 18:58	91-20-3	
Phenanthrene	**<12.1**	ug/kg	40.2	12.1	1	07/30/18 09:25	07/30/18 18:58	85-01-8	
Pyrene	**<4.7**	ug/kg	15.5	4.7	1	07/30/18 09:25	07/30/18 18:58	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	10-115		1	07/30/18 09:25	07/30/18 18:58	321-60-8	
Terphenyl-d14 (S)	71	%	10-121		1	07/30/18 09:25	07/30/18 18:58	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 11:49	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 11:49	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 11:49	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 11:49	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-4 (1-2) **Lab ID: 40173023004** Collected: 07/23/18 10:55 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 11:49	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 11:49	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 11:49	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 11:49	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	97	%	57-148		1	07/26/18 07:45	07/26/18 11:49	1868-53-7	
Toluene-d8 (S)	95	%	58-142		1	07/26/18 07:45	07/26/18 11:49	2037-26-5	
4-Bromofluorobenzene (S)	72	%	48-130		1	07/26/18 07:45	07/26/18 11:49	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.5**	%	0.10	0.10	1		07/27/18 15:00		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-4 (8-9) **Lab ID: 40173023005** Collected: 07/23/18 11:05 Received: 07/25/18 09:50 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	**<4.4**	ug/kg	14.7	4.4	1	07/30/18 09:25	07/30/18 19:15	83-32-9	
Acenaphthylene	**<3.8**	ug/kg	12.5	3.8	1	07/30/18 09:25	07/30/18 19:15	208-96-8	
Anthracene	**<6.5**	ug/kg	21.7	6.5	1	07/30/18 09:25	07/30/18 19:15	120-12-7	
Benzo(a)anthracene	**<3.6**	ug/kg	12.1	3.6	1	07/30/18 09:25	07/30/18 19:15	56-55-3	
Benzo(a)pyrene	**<2.9**	ug/kg	9.5	2.9	1	07/30/18 09:25	07/30/18 19:15	50-32-8	
Benzo(b)fluoranthene	**<3.2**	ug/kg	10.7	3.2	1	07/30/18 09:25	07/30/18 19:15	205-99-2	
Benzo(g,h,i)perylene	**<2.3**	ug/kg	7.7	2.3	1	07/30/18 09:25	07/30/18 19:15	191-24-2	
Benzo(k)fluoranthene	**<2.9**	ug/kg	9.5	2.9	1	07/30/18 09:25	07/30/18 19:15	207-08-9	
Chrysene	**<3.8**	ug/kg	12.8	3.8	1	07/30/18 09:25	07/30/18 19:15	218-01-9	
Dibenz(a,h)anthracene	**<2.5**	ug/kg	8.5	2.5	1	07/30/18 09:25	07/30/18 19:15	53-70-3	
Fluoranthene	**<5.9**	ug/kg	19.8	5.9	1	07/30/18 09:25	07/30/18 19:15	206-44-0	
Fluorene	**<4.7**	ug/kg	15.7	4.7	1	07/30/18 09:25	07/30/18 19:15	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.5**	ug/kg	8.4	2.5	1	07/30/18 09:25	07/30/18 19:15	193-39-5	
1-Methylnaphthalene	**<4.6**	ug/kg	15.3	4.6	1	07/30/18 09:25	07/30/18 19:15	90-12-0	
2-Methylnaphthalene	**<5.7**	ug/kg	19.0	5.7	1	07/30/18 09:25	07/30/18 19:15	91-57-6	
Naphthalene	**<9.6**	ug/kg	32.0	9.6	1	07/30/18 09:25	07/30/18 19:15	91-20-3	
Phenanthrene	**<13.3**	ug/kg	44.2	13.3	1	07/30/18 09:25	07/30/18 19:15	85-01-8	
Pyrene	**<5.1**	ug/kg	17.1	5.1	1	07/30/18 09:25	07/30/18 19:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	10-115		1	07/30/18 09:25	07/30/18 19:15	321-60-8	
Terphenyl-d14 (S)	75	%	10-121		1	07/30/18 09:25	07/30/18 19:15	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 12:11	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 12:11	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 12:11	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 12:11	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-4 (8-9) **Lab ID: 40173023005** Collected: 07/23/18 11:05 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 12:11	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 12:11	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:11	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 12:11	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	87	%	57-148		1	07/26/18 07:45	07/26/18 12:11	1868-53-7	
Toluene-d8 (S)	89	%	58-142		1	07/26/18 07:45	07/26/18 12:11	2037-26-5	
4-Bromofluorobenzene (S)	67	%	48-130		1	07/26/18 07:45	07/26/18 12:11	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.2**	%	0.10	0.10	1		07/27/18 15:00		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-5 (1-2) **Lab ID: 40173023006** Collected: 07/23/18 11:45 Received: 07/25/18 09:50 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	**<4.1**	ug/kg	13.5	4.1	1	07/30/18 09:25	07/31/18 17:38	83-32-9	
Acenaphthylene	**<3.5**	ug/kg	11.5	3.5	1	07/30/18 09:25	07/31/18 17:38	208-96-8	
Anthracene	**<6.0**	ug/kg	19.9	6.0	1	07/30/18 09:25	07/31/18 17:38	120-12-7	
Benzo(a)anthracene	**10.8J**	ug/kg	11.1	3.3	1	07/30/18 09:25	07/31/18 17:38	56-55-3	
Benzo(a)pyrene	**10.5**	ug/kg	8.8	2.6	1	07/30/18 09:25	07/31/18 17:38	50-32-8	
Benzo(b)fluoranthene	**10.4**	ug/kg	9.9	3.0	1	07/30/18 09:25	07/31/18 17:38	205-99-2	
Benzo(g,h,i)perylene	**8.1**	ug/kg	7.1	2.1	1	07/30/18 09:25	07/31/18 17:38	191-24-2	
Benzo(k)fluoranthene	**9.9**	ug/kg	8.8	2.6	1	07/30/18 09:25	07/31/18 17:38	207-08-9	
Chrysene	**11.7J**	ug/kg	11.7	3.5	1	07/30/18 09:25	07/31/18 17:38	218-01-9	
Dibenz(a,h)anthracene	**2.7J**	ug/kg	7.8	2.3	1	07/30/18 09:25	07/31/18 17:38	53-70-3	
Fluoranthene	**13.3J**	ug/kg	18.2	5.5	1	07/30/18 09:25	07/31/18 17:38	206-44-0	
Fluorene	**<4.3**	ug/kg	14.5	4.3	1	07/30/18 09:25	07/31/18 17:38	86-73-7	
Indeno(1,2,3-cd)pyrene	**6.1J**	ug/kg	7.7	2.3	1	07/30/18 09:25	07/31/18 17:38	193-39-5	
1-Methylnaphthalene	**<4.2**	ug/kg	14.0	4.2	1	07/30/18 09:25	07/31/18 17:38	90-12-0	
2-Methylnaphthalene	**<5.2**	ug/kg	17.5	5.2	1	07/30/18 09:25	07/31/18 17:38	91-57-6	
Naphthalene	**10.1J**	ug/kg	29.4	8.8	1	07/30/18 09:25	07/31/18 17:38	91-20-3	
Phenanthrene	**<12.2**	ug/kg	40.7	12.2	1	07/30/18 09:25	07/31/18 17:38	85-01-8	
Pyrene	**12.3J**	ug/kg	15.7	4.7	1	07/30/18 09:25	07/31/18 17:38	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	64	%	10-115		1	07/30/18 09:25	07/31/18 17:38	321-60-8	
Terphenyl-d14 (S)	72	%	10-121		1	07/30/18 09:25	07/31/18 17:38	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 12:34	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 12:34	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 12:34	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 12:34	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-5 (1-2) **Lab ID: 40173023006** Collected: 07/23/18 11:45 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 12:34	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 12:34	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:34	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 12:34	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	103	%	57-148		1	07/26/18 07:45	07/26/18 12:34	1868-53-7	
Toluene-d8 (S)	99	%	58-142		1	07/26/18 07:45	07/26/18 12:34	2037-26-5	
4-Bromofluorobenzene (S)	75	%	48-130		1	07/26/18 07:45	07/26/18 12:34	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.4**	%	0.10	0.10	1		07/27/18 15:00		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-5 (8-9) **Lab ID: 40173023007** Collected: 07/23/18 11:55 Received: 07/25/18 09:50 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	**<4.4**	ug/kg	14.6	4.4	1	07/30/18 09:25	07/30/18 19:33	83-32-9	
Acenaphthylene	**<3.7**	ug/kg	12.4	3.7	1	07/30/18 09:25	07/30/18 19:33	208-96-8	
Anthracene	**<6.4**	ug/kg	21.4	6.4	1	07/30/18 09:25	07/30/18 19:33	120-12-7	
Benzo(a)anthracene	**<3.6**	ug/kg	12.0	3.6	1	07/30/18 09:25	07/30/18 19:33	56-55-3	
Benzo(a)pyrene	**<2.8**	ug/kg	9.4	2.8	1	07/30/18 09:25	07/30/18 19:33	50-32-8	
Benzo(b)fluoranthene	**<3.2**	ug/kg	10.6	3.2	1	07/30/18 09:25	07/30/18 19:33	205-99-2	
Benzo(g,h,i)perylene	**<2.3**	ug/kg	7.6	2.3	1	07/30/18 09:25	07/30/18 19:33	191-24-2	
Benzo(k)fluoranthene	**<2.8**	ug/kg	9.4	2.8	1	07/30/18 09:25	07/30/18 19:33	207-08-9	
Chrysene	**<3.8**	ug/kg	12.6	3.8	1	07/30/18 09:25	07/30/18 19:33	218-01-9	
Dibenz(a,h)anthracene	**<2.5**	ug/kg	8.4	2.5	1	07/30/18 09:25	07/30/18 19:33	53-70-3	
Fluoranthene	**<5.9**	ug/kg	19.6	5.9	1	07/30/18 09:25	07/30/18 19:33	206-44-0	
Fluorene	**<4.7**	ug/kg	15.6	4.7	1	07/30/18 09:25	07/30/18 19:33	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.5**	ug/kg	8.3	2.5	1	07/30/18 09:25	07/30/18 19:33	193-39-5	
1-Methylnaphthalene	**<4.5**	ug/kg	15.1	4.5	1	07/30/18 09:25	07/30/18 19:33	90-12-0	
2-Methylnaphthalene	**<5.6**	ug/kg	18.8	5.6	1	07/30/18 09:25	07/30/18 19:33	91-57-6	
Naphthalene	**<9.5**	ug/kg	31.7	9.5	1	07/30/18 09:25	07/30/18 19:33	91-20-3	
Phenanthrene	**<13.1**	ug/kg	43.8	13.1	1	07/30/18 09:25	07/30/18 19:33	85-01-8	
Pyrene	**<5.1**	ug/kg	16.9	5.1	1	07/30/18 09:25	07/30/18 19:33	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	42	%	10-115		1	07/30/18 09:25	07/30/18 19:33	321-60-8	
Terphenyl-d14 (S)	39	%	10-121		1	07/30/18 09:25	07/30/18 19:33	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 12:56	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 12:56	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 12:56	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 12:56	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-5 (8-9) **Lab ID: 40173023007** Collected: 07/23/18 11:55 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 12:56	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 12:56	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 12:56	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 12:56	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	97	%	57-148		1	07/26/18 07:45	07/26/18 12:56	1868-53-7	
Toluene-d8 (S)	98	%	58-142		1	07/26/18 07:45	07/26/18 12:56	2037-26-5	
4-Bromofluorobenzene (S)	73	%	48-130		1	07/26/18 07:45	07/26/18 12:56	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.4**	%	0.10	0.10	1		07/27/18 15:00		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-1 (1-2) **Lab ID: 40173023008** Collected: 07/23/18 12:20 Received: 07/25/18 09:50 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	**<4.0**	ug/kg	13.4	4.0	1	07/30/18 09:25	07/30/18 19:50	83-32-9	
Acenaphthylene	**<3.4**	ug/kg	11.4	3.4	1	07/30/18 09:25	07/30/18 19:50	208-96-8	
Anthracene	**<5.9**	ug/kg	19.8	5.9	1	07/30/18 09:25	07/30/18 19:50	120-12-7	
Benzo(a)anthracene	**<3.3**	ug/kg	11.0	3.3	1	07/30/18 09:25	07/30/18 19:50	56-55-3	
Benzo(a)pyrene	**<2.6**	ug/kg	8.7	2.6	1	07/30/18 09:25	07/30/18 19:50	50-32-8	
Benzo(b)fluoranthene	**<2.9**	ug/kg	9.8	2.9	1	07/30/18 09:25	07/30/18 19:50	205-99-2	
Benzo(g,h,i)perylene	**<2.1**	ug/kg	7.0	2.1	1	07/30/18 09:25	07/30/18 19:50	191-24-2	
Benzo(k)fluoranthene	**<2.6**	ug/kg	8.7	2.6	1	07/30/18 09:25	07/30/18 19:50	207-08-9	
Chrysene	**<3.5**	ug/kg	11.7	3.5	1	07/30/18 09:25	07/30/18 19:50	218-01-9	
Dibenz(a,h)anthracene	**<2.3**	ug/kg	7.7	2.3	1	07/30/18 09:25	07/30/18 19:50	53-70-3	
Fluoranthene	**<5.4**	ug/kg	18.1	5.4	1	07/30/18 09:25	07/30/18 19:50	206-44-0	
Fluorene	**<4.3**	ug/kg	14.4	4.3	1	07/30/18 09:25	07/30/18 19:50	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.3**	ug/kg	7.6	2.3	1	07/30/18 09:25	07/30/18 19:50	193-39-5	
1-Methylnaphthalene	**<4.2**	ug/kg	13.9	4.2	1	07/30/18 09:25	07/30/18 19:50	90-12-0	
2-Methylnaphthalene	**<5.2**	ug/kg	17.4	5.2	1	07/30/18 09:25	07/30/18 19:50	91-57-6	
Naphthalene	**<8.8**	ug/kg	29.2	8.8	1	07/30/18 09:25	07/30/18 19:50	91-20-3	
Phenanthrene	**<12.1**	ug/kg	40.4	12.1	1	07/30/18 09:25	07/30/18 19:50	85-01-8	
Pyrene	**<4.7**	ug/kg	15.6	4.7	1	07/30/18 09:25	07/30/18 19:50	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	10-115		1	07/30/18 09:25	07/30/18 19:50	321-60-8	
Terphenyl-d14 (S)	56	%	10-121		1	07/30/18 09:25	07/30/18 19:50	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 13:19	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 13:19	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 13:19	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 13:19	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-1 (1-2) **Lab ID: 40173023008** Collected: 07/23/18 12:20 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 13:19	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 13:19	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:19	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 13:19	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	101	%	57-148		1	07/26/18 07:45	07/26/18 13:19	1868-53-7	
Toluene-d8 (S)	98	%	58-142		1	07/26/18 07:45	07/26/18 13:19	2037-26-5	
4-Bromofluorobenzene (S)	74	%	48-130		1	07/26/18 07:45	07/26/18 13:19	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.7**	%	0.10	0.10	1		07/27/18 15:00		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-1 (10-11) **Lab ID: 40173023009** Collected: 07/23/18 12:25 Received: 07/25/18 09:50 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	**<4.0**	ug/kg	13.4	4.0	1	07/30/18 09:25	07/30/18 20:08	83-32-9	
Acenaphthylene	**<3.4**	ug/kg	11.4	3.4	1	07/30/18 09:25	07/30/18 20:08	208-96-8	
Anthracene	**<5.9**	ug/kg	19.7	5.9	1	07/30/18 09:25	07/30/18 20:08	120-12-7	
Benzo(a)anthracene	**<3.3**	ug/kg	11.0	3.3	1	07/30/18 09:25	07/30/18 20:08	56-55-3	
Benzo(a)pyrene	**<2.6**	ug/kg	8.7	2.6	1	07/30/18 09:25	07/30/18 20:08	50-32-8	
Benzo(b)fluoranthene	**<2.9**	ug/kg	9.8	2.9	1	07/30/18 09:25	07/30/18 20:08	205-99-2	
Benzo(g,h,i)perylene	**<2.1**	ug/kg	7.0	2.1	1	07/30/18 09:25	07/30/18 20:08	191-24-2	
Benzo(k)fluoranthene	**<2.6**	ug/kg	8.7	2.6	1	07/30/18 09:25	07/30/18 20:08	207-08-9	
Chrysene	**<3.5**	ug/kg	11.6	3.5	1	07/30/18 09:25	07/30/18 20:08	218-01-9	
Dibenz(a,h)anthracene	**<2.3**	ug/kg	7.7	2.3	1	07/30/18 09:25	07/30/18 20:08	53-70-3	
Fluoranthene	**<5.4**	ug/kg	18.0	5.4	1	07/30/18 09:25	07/30/18 20:08	206-44-0	
Fluorene	**<4.3**	ug/kg	14.3	4.3	1	07/30/18 09:25	07/30/18 20:08	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.3**	ug/kg	7.6	2.3	1	07/30/18 09:25	07/30/18 20:08	193-39-5	
1-Methylnaphthalene	**<4.2**	ug/kg	13.9	4.2	1	07/30/18 09:25	07/30/18 20:08	90-12-0	
2-Methylnaphthalene	**<5.2**	ug/kg	17.3	5.2	1	07/30/18 09:25	07/30/18 20:08	91-57-6	
Naphthalene	**<8.7**	ug/kg	29.1	8.7	1	07/30/18 09:25	07/30/18 20:08	91-20-3	
Phenanthrene	**<12.1**	ug/kg	40.2	12.1	1	07/30/18 09:25	07/30/18 20:08	85-01-8	
Pyrene	**<4.7**	ug/kg	15.6	4.7	1	07/30/18 09:25	07/30/18 20:08	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	10-115		1	07/30/18 09:25	07/30/18 20:08	321-60-8	
Terphenyl-d14 (S)	60	%	10-121		1	07/30/18 09:25	07/30/18 20:08	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 13:41	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 13:41	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 13:41	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 13:41	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-1 (10-11) **Lab ID: 40173023009** Collected: 07/23/18 12:25 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 13:41	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 13:41	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 13:41	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 13:41	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	106	%	57-148		1	07/26/18 07:45	07/26/18 13:41	1868-53-7	
Toluene-d8 (S)	103	%	58-142		1	07/26/18 07:45	07/26/18 13:41	2037-26-5	
4-Bromofluorobenzene (S)	78	%	48-130		1	07/26/18 07:45	07/26/18 13:41	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.6**	%	0.10	0.10	1		07/27/18 15:00		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-1 (1-2) **Lab ID: 40173023010** Collected: 07/23/18 12:55 Received: 07/25/18 09:50 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	**<4.1**	ug/kg	13.6	4.1	1	07/30/18 09:25	07/30/18 20:25	83-32-9	
Acenaphthylene	**<3.5**	ug/kg	11.6	3.5	1	07/30/18 09:25	07/30/18 20:25	208-96-8	
Anthracene	**<6.0**	ug/kg	20.1	6.0	1	07/30/18 09:25	07/30/18 20:25	120-12-7	
Benzo(a)anthracene	**<3.4**	ug/kg	11.2	3.4	1	07/30/18 09:25	07/30/18 20:25	56-55-3	
Benzo(a)pyrene	**2.7J**	ug/kg	8.8	2.7	1	07/30/18 09:25	07/30/18 20:25	50-32-8	
Benzo(b)fluoranthene	**<3.0**	ug/kg	9.9	3.0	1	07/30/18 09:25	07/30/18 20:25	205-99-2	
Benzo(g,h,i)perylene	**2.3J**	ug/kg	7.2	2.1	1	07/30/18 09:25	07/30/18 20:25	191-24-2	
Benzo(k)fluoranthene	**2.9J**	ug/kg	8.8	2.7	1	07/30/18 09:25	07/30/18 20:25	207-08-9	
Chrysene	**3.8J**	ug/kg	11.8	3.6	1	07/30/18 09:25	07/30/18 20:25	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	7.9	2.4	1	07/30/18 09:25	07/30/18 20:25	53-70-3	
Fluoranthene	**<5.5**	ug/kg	18.4	5.5	1	07/30/18 09:25	07/30/18 20:25	206-44-0	
Fluorene	**<4.4**	ug/kg	14.6	4.4	1	07/30/18 09:25	07/30/18 20:25	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.3**	ug/kg	7.7	2.3	1	07/30/18 09:25	07/30/18 20:25	193-39-5	
1-Methylnaphthalene	**<4.3**	ug/kg	14.2	4.3	1	07/30/18 09:25	07/30/18 20:25	90-12-0	
2-Methylnaphthalene	**<5.3**	ug/kg	17.6	5.3	1	07/30/18 09:25	07/30/18 20:25	91-57-6	
Naphthalene	**<8.9**	ug/kg	29.7	8.9	1	07/30/18 09:25	07/30/18 20:25	91-20-3	
Phenanthrene	**<12.3**	ug/kg	41.0	12.3	1	07/30/18 09:25	07/30/18 20:25	85-01-8	
Pyrene	**<4.8**	ug/kg	15.8	4.8	1	07/30/18 09:25	07/30/18 20:25	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	10-115		1	07/30/18 09:25	07/30/18 20:25	321-60-8	
Terphenyl-d14 (S)	66	%	10-121		1	07/30/18 09:25	07/30/18 20:25	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 14:04	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 14:04	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 14:04	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 14:04	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-1 (1-2) **Lab ID: 40173023010** Collected: 07/23/18 12:55 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 14:04	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 14:04	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:04	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 14:04	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	103	%	57-148		1	07/26/18 07:45	07/26/18 14:04	1868-53-7	
Toluene-d8 (S)	102	%	58-142		1	07/26/18 07:45	07/26/18 14:04	2037-26-5	
4-Bromofluorobenzene (S)	75	%	48-130		1	07/26/18 07:45	07/26/18 14:04	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.3**	%	0.10	0.10	1		07/27/18 15:00		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-1 (8-9) **Lab ID: 40173023011** Collected: 07/23/18 13:05 Received: 07/25/18 09:50 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	**<4.3**	ug/kg	14.2	4.3	1	07/30/18 09:25	07/30/18 20:42	83-32-9	
Acenaphthylene	**<3.6**	ug/kg	12.1	3.6	1	07/30/18 09:25	07/30/18 20:42	208-96-8	
Anthracene	**<6.3**	ug/kg	21.0	6.3	1	07/30/18 09:25	07/30/18 20:42	120-12-7	
Benzo(a)anthracene	**<3.5**	ug/kg	11.7	3.5	1	07/30/18 09:25	07/30/18 20:42	56-55-3	
Benzo(a)pyrene	**<2.8**	ug/kg	9.2	2.8	1	07/30/18 09:25	07/30/18 20:42	50-32-8	
Benzo(b)fluoranthene	**<3.1**	ug/kg	10.4	3.1	1	07/30/18 09:25	07/30/18 20:42	205-99-2	
Benzo(g,h,i)perylene	**<2.2**	ug/kg	7.5	2.2	1	07/30/18 09:25	07/30/18 20:42	191-24-2	
Benzo(k)fluoranthene	**<2.8**	ug/kg	9.2	2.8	1	07/30/18 09:25	07/30/18 20:42	207-08-9	
Chrysene	**<3.7**	ug/kg	12.4	3.7	1	07/30/18 09:25	07/30/18 20:42	218-01-9	
Dibenz(a,h)anthracene	**<2.5**	ug/kg	8.2	2.5	1	07/30/18 09:25	07/30/18 20:42	53-70-3	
Fluoranthene	**<5.7**	ug/kg	19.2	5.7	1	07/30/18 09:25	07/30/18 20:42	206-44-0	
Fluorene	**<4.6**	ug/kg	15.2	4.6	1	07/30/18 09:25	07/30/18 20:42	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.4**	ug/kg	8.1	2.4	1	07/30/18 09:25	07/30/18 20:42	193-39-5	
1-Methylnaphthalene	**<4.4**	ug/kg	14.8	4.4	1	07/30/18 09:25	07/30/18 20:42	90-12-0	
2-Methylnaphthalene	**<5.5**	ug/kg	18.4	5.5	1	07/30/18 09:25	07/30/18 20:42	91-57-6	
Naphthalene	**<9.3**	ug/kg	31.0	9.3	1	07/30/18 09:25	07/30/18 20:42	91-20-3	
Phenanthrene	**<12.9**	ug/kg	42.8	12.9	1	07/30/18 09:25	07/30/18 20:42	85-01-8	
Pyrene	**<5.0**	ug/kg	16.5	5.0	1	07/30/18 09:25	07/30/18 20:42	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	56	%	10-115		1	07/30/18 09:25	07/30/18 20:42	321-60-8	
Terphenyl-d14 (S)	59	%	10-121		1	07/30/18 09:25	07/30/18 20:42	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 14:27	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 14:27	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 14:27	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 14:27	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-1 (8-9) **Lab ID: 40173023011** Collected: 07/23/18 13:05 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 14:27	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 14:27	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:27	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 14:27	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	101	%	57-148		1	07/26/18 07:45	07/26/18 14:27	1868-53-7	
Toluene-d8 (S)	95	%	58-142		1	07/26/18 07:45	07/26/18 14:27	2037-26-5	
4-Bromofluorobenzene (S)	71	%	48-130		1	07/26/18 07:45	07/26/18 14:27	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.4**	%	0.10	0.10	1		07/27/18 15:00		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-2 (1-2) **Lab ID: 40173023012** Collected: 07/23/18 14:10 Received: 07/25/18 09:50 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	**<4.1**	ug/kg	13.6	4.1	1	07/30/18 09:25	07/30/18 21:00	83-32-9	
Acenaphthylene	**<3.5**	ug/kg	11.6	3.5	1	07/30/18 09:25	07/30/18 21:00	208-96-8	
Anthracene	**<6.0**	ug/kg	20.1	6.0	1	07/30/18 09:25	07/30/18 21:00	120-12-7	
Benzo(a)anthracene	**<3.4**	ug/kg	11.2	3.4	1	07/30/18 09:25	07/30/18 21:00	56-55-3	
Benzo(a)pyrene	**<2.7**	ug/kg	8.9	2.7	1	07/30/18 09:25	07/30/18 21:00	50-32-8	
Benzo(b)fluoranthene	**<3.0**	ug/kg	10	3.0	1	07/30/18 09:25	07/30/18 21:00	205-99-2	
Benzo(g,h,i)perylene	**<2.1**	ug/kg	7.2	2.1	1	07/30/18 09:25	07/30/18 21:00	191-24-2	
Benzo(k)fluoranthene	**<2.7**	ug/kg	8.8	2.7	1	07/30/18 09:25	07/30/18 21:00	207-08-9	
Chrysene	**<3.6**	ug/kg	11.8	3.6	1	07/30/18 09:25	07/30/18 21:00	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	7.9	2.4	1	07/30/18 09:25	07/30/18 21:00	53-70-3	
Fluoranthene	**<5.5**	ug/kg	18.4	5.5	1	07/30/18 09:25	07/30/18 21:00	206-44-0	
Fluorene	**<4.4**	ug/kg	14.6	4.4	1	07/30/18 09:25	07/30/18 21:00	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.3**	ug/kg	7.8	2.3	1	07/30/18 09:25	07/30/18 21:00	193-39-5	
1-Methylnaphthalene	**<4.3**	ug/kg	14.2	4.3	1	07/30/18 09:25	07/30/18 21:00	90-12-0	
2-Methylnaphthalene	**<5.3**	ug/kg	17.7	5.3	1	07/30/18 09:25	07/30/18 21:00	91-57-6	
Naphthalene	**<8.9**	ug/kg	29.7	8.9	1	07/30/18 09:25	07/30/18 21:00	91-20-3	
Phenanthrene	**<12.3**	ug/kg	41.0	12.3	1	07/30/18 09:25	07/30/18 21:00	85-01-8	
Pyrene	**<4.8**	ug/kg	15.9	4.8	1	07/30/18 09:25	07/30/18 21:00	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	46	%	10-115		1	07/30/18 09:25	07/30/18 21:00	321-60-8	
Terphenyl-d14 (S)	42	%	10-121		1	07/30/18 09:25	07/30/18 21:00	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 14:49	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 14:49	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 14:49	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 14:49	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-2 (1-2) **Lab ID: 40173023012** Collected: 07/23/18 14:10 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 14:49	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 14:49	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	96-18-4	W
1,2,4-Trimethylbenzene	**27.4J**	ug/kg	63.5	26.5	1	07/26/18 07:45	07/26/18 14:49	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 14:49	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 14:49	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	99	%	57-148		1	07/26/18 07:45	07/26/18 14:49	1868-53-7	
Toluene-d8 (S)	94	%	58-142		1	07/26/18 07:45	07/26/18 14:49	2037-26-5	
4-Bromofluorobenzene (S)	72	%	48-130		1	07/26/18 07:45	07/26/18 14:49	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.5**	%	0.10	0.10	1		07/27/18 15:00		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-2 (9-10) **Lab ID: 40173023013** Collected: 07/23/18 14:15 Received: 07/25/18 09:50 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	**5.4J**	ug/kg	15.3	4.6	1	07/30/18 09:25	08/01/18 11:32	83-32-9	
Acenaphthylene	**<3.9**	ug/kg	13.1	3.9	1	07/30/18 09:25	08/01/18 11:32	208-96-8	
Anthracene	**<6.8**	ug/kg	22.6	6.8	1	07/30/18 09:25	08/01/18 11:32	120-12-7	
Benzo(a)anthracene	**<3.8**	ug/kg	12.6	3.8	1	07/30/18 09:25	08/01/18 11:32	56-55-3	
Benzo(a)pyrene	**<3.0**	ug/kg	9.9	3.0	1	07/30/18 09:25	08/01/18 11:32	50-32-8	
Benzo(b)fluoranthene	**<3.4**	ug/kg	11.2	3.4	1	07/30/18 09:25	08/01/18 11:32	205-99-2	
Benzo(g,h,i)perylene	**<2.4**	ug/kg	8.0	2.4	1	07/30/18 09:25	08/01/18 11:32	191-24-2	
Benzo(k)fluoranthene	**<3.0**	ug/kg	9.9	3.0	1	07/30/18 09:25	08/01/18 11:32	207-08-9	
Chrysene	**<4.0**	ug/kg	13.3	4.0	1	07/30/18 09:25	08/01/18 11:32	218-01-9	
Dibenz(a,h)anthracene	**<2.7**	ug/kg	8.8	2.7	1	07/30/18 09:25	08/01/18 11:32	53-70-3	
Fluoranthene	**<6.2**	ug/kg	20.7	6.2	1	07/30/18 09:25	08/01/18 11:32	206-44-0	
Fluorene	**<4.9**	ug/kg	16.4	4.9	1	07/30/18 09:25	08/01/18 11:32	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.6**	ug/kg	8.7	2.6	1	07/30/18 09:25	08/01/18 11:32	193-39-5	
1-Methylnaphthalene	**756**	ug/kg	15.9	4.8	1	07/30/18 09:25	08/01/18 11:32	90-12-0	
2-Methylnaphthalene	**825**	ug/kg	19.8	5.9	1	07/30/18 09:25	08/01/18 11:32	91-57-6	
Naphthalene	**173**	ug/kg	33.4	10	1	07/30/18 09:25	08/01/18 11:32	91-20-3	
Phenanthrene	**<13.8**	ug/kg	46.1	13.8	1	07/30/18 09:25	08/01/18 11:32	85-01-8	
Pyrene	**<5.4**	ug/kg	17.8	5.4	1	07/30/18 09:25	08/01/18 11:32	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	56	%	10-115		1	07/30/18 09:25	08/01/18 11:32	321-60-8	
Terphenyl-d14 (S)	71	%	10-121		1	07/30/18 09:25	08/01/18 11:32	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 20:36	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 20:36	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 20:36	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 20:36	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-2 (9-10) **Lab ID: 40173023013** Collected: 07/23/18 14:15 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 20:36	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 20:36	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	96-18-4	W
1,2,4-Trimethylbenzene	**112**	ug/kg	71.3	29.7	1	07/26/18 07:45	07/26/18 20:36	95-63-6	
1,3,5-Trimethylbenzene	**184**	ug/kg	71.3	29.7	1	07/26/18 07:45	07/26/18 20:36	108-67-8	
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 20:36	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 20:36	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	95	%	57-148		1	07/26/18 07:45	07/26/18 20:36	1868-53-7	
Toluene-d8 (S)	82	%	58-142		1	07/26/18 07:45	07/26/18 20:36	2037-26-5	
4-Bromofluorobenzene (S)	80	%	48-130		1	07/26/18 07:45	07/26/18 20:36	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.8**	%	0.10	0.10	1		07/27/18 15:00		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-3 (1-2) **Lab ID: 40173023014** Collected: 07/23/18 14:50 Received: 07/25/18 09:50 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	**<4.1**	ug/kg	13.7	4.1	1	07/30/18 09:25	08/01/18 11:49	83-32-9	
Acenaphthylene	**<3.5**	ug/kg	11.6	3.5	1	07/30/18 09:25	08/01/18 11:49	208-96-8	
Anthracene	**<6.0**	ug/kg	20.1	6.0	1	07/30/18 09:25	08/01/18 11:49	120-12-7	
Benzo(a)anthracene	**<3.4**	ug/kg	11.2	3.4	1	07/30/18 09:25	08/01/18 11:49	56-55-3	
Benzo(a)pyrene	**<2.7**	ug/kg	8.9	2.7	1	07/30/18 09:25	08/01/18 11:49	50-32-8	
Benzo(b)fluoranthene	**<3.0**	ug/kg	10	3.0	1	07/30/18 09:25	08/01/18 11:49	205-99-2	
Benzo(g,h,i)perylene	**<2.2**	ug/kg	7.2	2.2	1	07/30/18 09:25	08/01/18 11:49	191-24-2	
Benzo(k)fluoranthene	**<2.7**	ug/kg	8.8	2.7	1	07/30/18 09:25	08/01/18 11:49	207-08-9	
Chrysene	**<3.6**	ug/kg	11.9	3.6	1	07/30/18 09:25	08/01/18 11:49	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	7.9	2.4	1	07/30/18 09:25	08/01/18 11:49	53-70-3	
Fluoranthene	**<5.5**	ug/kg	18.4	5.5	1	07/30/18 09:25	08/01/18 11:49	206-44-0	
Fluorene	**<4.4**	ug/kg	14.6	4.4	1	07/30/18 09:25	08/01/18 11:49	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.3**	ug/kg	7.8	2.3	1	07/30/18 09:25	08/01/18 11:49	193-39-5	
1-Methylnaphthalene	**<4.3**	ug/kg	14.2	4.3	1	07/30/18 09:25	08/01/18 11:49	90-12-0	
2-Methylnaphthalene	**<5.3**	ug/kg	17.7	5.3	1	07/30/18 09:25	08/01/18 11:49	91-57-6	
Naphthalene	**<8.9**	ug/kg	29.7	8.9	1	07/30/18 09:25	08/01/18 11:49	91-20-3	
Phenanthrene	**<12.3**	ug/kg	41.1	12.3	1	07/30/18 09:25	08/01/18 11:49	85-01-8	
Pyrene	**<4.8**	ug/kg	15.9	4.8	1	07/30/18 09:25	08/01/18 11:49	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	10-115		1	07/30/18 09:25	08/01/18 11:49	321-60-8	
Terphenyl-d14 (S)	55	%	10-121		1	07/30/18 09:25	08/01/18 11:49	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 18:20	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 18:20	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 18:20	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 18:20	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-3 (1-2) **Lab ID: 40173023014** Collected: 07/23/18 14:50 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 18:20	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 18:20	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:20	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 18:20	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	98	%	57-148		1	07/26/18 07:45	07/26/18 18:20	1868-53-7	
Toluene-d8 (S)	98	%	58-142		1	07/26/18 07:45	07/26/18 18:20	2037-26-5	
4-Bromofluorobenzene (S)	76	%	48-130		1	07/26/18 07:45	07/26/18 18:20	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.3**	%	0.10	0.10	1		07/27/18 15:47		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-3 (9-10) **Lab ID: 40173023015** Collected: 07/23/18 15:00 Received: 07/25/18 09:50 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	**<23.8**	ug/kg	79.1	23.8	5	07/30/18 09:25	07/31/18 14:26	83-32-9	
Acenaphthylene	**<20.2**	ug/kg	67.5	20.2	5	07/30/18 09:25	07/31/18 14:26	208-96-8	
Anthracene	**<35.0**	ug/kg	117	35.0	5	07/30/18 09:25	07/31/18 14:26	120-12-7	
Benzo(a)anthracene	**<19.5**	ug/kg	65.0	19.5	5	07/30/18 09:25	07/31/18 14:26	56-55-3	
Benzo(a)pyrene	**<15.4**	ug/kg	51.4	15.4	5	07/30/18 09:25	07/31/18 14:26	50-32-8	
Benzo(b)fluoranthene	**<17.3**	ug/kg	57.7	17.3	5	07/30/18 09:25	07/31/18 14:26	205-99-2	
Benzo(g,h,i)perylene	**<12.5**	ug/kg	41.5	12.5	5	07/30/18 09:25	07/31/18 14:26	191-24-2	
Benzo(k)fluoranthene	**<15.4**	ug/kg	51.3	15.4	5	07/30/18 09:25	07/31/18 14:26	207-08-9	
Chrysene	**<20.7**	ug/kg	68.7	20.7	5	07/30/18 09:25	07/31/18 14:26	218-01-9	
Dibenz(a,h)anthracene	**<13.7**	ug/kg	45.7	13.7	5	07/30/18 09:25	07/31/18 14:26	53-70-3	
Fluoranthene	**<32.0**	ug/kg	107	32.0	5	07/30/18 09:25	07/31/18 14:26	206-44-0	
Fluorene	**<25.4**	ug/kg	84.7	25.4	5	07/30/18 09:25	07/31/18 14:26	86-73-7	
Indeno(1,2,3-cd)pyrene	**<13.5**	ug/kg	45.0	13.5	5	07/30/18 09:25	07/31/18 14:26	193-39-5	
1-Methylnaphthalene	**2260**	ug/kg	82.2	24.7	5	07/30/18 09:25	07/31/18 14:26	90-12-0	
2-Methylnaphthalene	**64.2J**	ug/kg	102	30.7	5	07/30/18 09:25	07/31/18 14:26	91-57-6	
Naphthalene	**325**	ug/kg	172	51.7	5	07/30/18 09:25	07/31/18 14:26	91-20-3	
Phenanthrene	**<71.5**	ug/kg	238	71.5	5	07/30/18 09:25	07/31/18 14:26	85-01-8	
Pyrene	**<27.7**	ug/kg	92.0	27.7	5	07/30/18 09:25	07/31/18 14:26	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	10-115		5	07/30/18 09:25	07/31/18 14:26	321-60-8	
Terphenyl-d14 (S)	56	%	10-121		5	07/30/18 09:25	07/31/18 14:26	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	71-43-2	W
Bromobenzene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	108-86-1	W
Bromochloromethane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	74-97-5	W
Bromodichloromethane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	75-27-4	W
Bromoform	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	75-25-2	W
Bromomethane	**<280**	ug/kg	1000	280	4	07/26/18 07:45	07/26/18 15:12	74-83-9	W
n-Butylbenzene	**1780**	ug/kg	294	122	4	07/26/18 07:45	07/26/18 15:12	104-51-8	
sec-Butylbenzene	**432**	ug/kg	294	122	4	07/26/18 07:45	07/26/18 15:12	135-98-8	
tert-Butylbenzene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	98-06-6	W
Carbon tetrachloride	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	56-23-5	W
Chlorobenzene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	108-90-7	W
Chloroethane	**<268**	ug/kg	1000	268	4	07/26/18 07:45	07/26/18 15:12	75-00-3	W
Chloroform	**<186**	ug/kg	1000	186	4	07/26/18 07:45	07/26/18 15:12	67-66-3	W
Chloromethane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	74-87-3	W
2-Chlorotoluene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	95-49-8	W
4-Chlorotoluene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	106-43-4	W
1,2-Dibromo-3-chloropropane	**<365**	ug/kg	1000	365	4	07/26/18 07:45	07/26/18 15:12	96-12-8	W
Dibromochloromethane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	124-48-1	W
1,2-Dibromoethane (EDB)	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	106-93-4	W
Dibromomethane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	74-95-3	W
1,2-Dichlorobenzene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	95-50-1	W
1,3-Dichlorobenzene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	541-73-1	W

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-3 (9-10) **Lab ID: 40173023015** Collected: 07/23/18 15:00 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	106-46-7	W
Dichlorodifluoromethane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	75-71-8	W
1,1-Dichloroethane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	75-34-3	W
1,2-Dichloroethane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	107-06-2	W
1,1-Dichloroethene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	75-35-4	W
cis-1,2-Dichloroethene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	156-59-2	W
trans-1,2-Dichloroethene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	156-60-5	W
1,2-Dichloropropane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	78-87-5	W
1,3-Dichloropropane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	142-28-9	W
2,2-Dichloropropane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	594-20-7	W
1,1-Dichloropropene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	563-58-6	W
cis-1,3-Dichloropropene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	10061-01-5	W
trans-1,3-Dichloropropene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	10061-02-6	W
Diisopropyl ether	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	108-20-3	W
Ethylbenzene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	100-41-4	W
Hexachloro-1,3-butadiene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	87-68-3	W
Isopropylbenzene (Cumene)	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	98-82-8	W
p-Isopropyltoluene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	99-87-6	W
Methylene Chloride	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	75-09-2	W
Methyl-tert-butyl ether	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	1634-04-4	W
Naphthalene	**736J**	ug/kg	1220	196	4	07/26/18 07:45	07/26/18 15:12	91-20-3	
n-Propylbenzene	**903**	ug/kg	294	122	4	07/26/18 07:45	07/26/18 15:12	103-65-1	
Styrene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	100-42-5	W
1,1,1,2-Tetrachloroethane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	630-20-6	W
1,1,2,2-Tetrachloroethane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	79-34-5	W
Tetrachloroethene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	127-18-4	W
Toluene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	108-88-3	W
1,2,3-Trichlorobenzene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	87-61-6	W
1,2,4-Trichlorobenzene	**<190**	ug/kg	1000	190	4	07/26/18 07:45	07/26/18 15:12	120-82-1	W
1,1,1-Trichloroethane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	71-55-6	W
1,1,2-Trichloroethane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	79-00-5	W
Trichloroethene	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	79-01-6	W
Trichlorofluoromethane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	75-69-4	W
1,2,3-Trichloropropane	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	96-18-4	W
1,2,4-Trimethylbenzene	**5350**	ug/kg	294	122	4	07/26/18 07:45	07/26/18 15:12	95-63-6	
1,3,5-Trimethylbenzene	**194J**	ug/kg	294	122	4	07/26/18 07:45	07/26/18 15:12	108-67-8	
Vinyl chloride	**<100**	ug/kg	240	100	4	07/26/18 07:45	07/26/18 15:12	75-01-4	W
Xylene (Total)	**<300**	ug/kg	720	300	4	07/26/18 07:45	07/26/18 15:12	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	99	%	57-148		4	07/26/18 07:45	07/26/18 15:12	1868-53-7	
Toluene-d8 (S)	88	%	58-142		4	07/26/18 07:45	07/26/18 15:12	2037-26-5	
4-Bromofluorobenzene (S)	64	%	48-130		4	07/26/18 07:45	07/26/18 15:12	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.3**	%	0.10	0.10	1		07/27/18 15:47		

REPORT OF LABORATORY ANALYSIS

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

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-2 (1-2) **Lab ID: 40173023016** Collected: 07/23/18 15:30 Received: 07/25/18 09:50 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	**<4.1**	ug/kg	13.7	4.1	1	07/31/18 10:25	07/31/18 15:53	83-32-9	
Acenaphthylene	**5.5J**	ug/kg	11.7	3.5	1	07/31/18 10:25	07/31/18 15:53	208-96-8	
Anthracene	**<6.1**	ug/kg	20.2	6.1	1	07/31/18 10:25	07/31/18 15:53	120-12-7	
Benzo(a)anthracene	**<3.4**	ug/kg	11.3	3.4	1	07/31/18 10:25	07/31/18 15:53	56-55-3	
Benzo(a)pyrene	**<2.7**	ug/kg	8.9	2.7	1	07/31/18 10:25	07/31/18 15:53	50-32-8	
Benzo(b)fluoranthene	**<3.0**	ug/kg	10	3.0	1	07/31/18 10:25	07/31/18 15:53	205-99-2	
Benzo(g,h,i)perylene	**<2.2**	ug/kg	7.2	2.2	1	07/31/18 10:25	07/31/18 15:53	191-24-2	
Benzo(k)fluoranthene	**<2.7**	ug/kg	8.9	2.7	1	07/31/18 10:25	07/31/18 15:53	207-08-9	
Chrysene	**<3.6**	ug/kg	11.9	3.6	1	07/31/18 10:25	07/31/18 15:53	218-01-9	
Dibenz(a,h)anthracene	**<2.4**	ug/kg	7.9	2.4	1	07/31/18 10:25	07/31/18 15:53	53-70-3	
Fluoranthene	**<5.5**	ug/kg	18.5	5.5	1	07/31/18 10:25	07/31/18 15:53	206-44-0	
Fluorene	**9.1J**	ug/kg	14.7	4.4	1	07/31/18 10:25	07/31/18 15:53	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.3**	ug/kg	7.8	2.3	1	07/31/18 10:25	07/31/18 15:53	193-39-5	
1-Methylnaphthalene	**50.9**	ug/kg	14.2	4.3	1	07/31/18 10:25	07/31/18 15:53	90-12-0	
2-Methylnaphthalene	**80.8**	ug/kg	17.7	5.3	1	07/31/18 10:25	07/31/18 15:53	91-57-6	
Naphthalene	**227**	ug/kg	29.9	8.9	1	07/31/18 10:25	07/31/18 15:53	91-20-3	M1
Phenanthrene	**25.0J**	ug/kg	41.2	12.4	1	07/31/18 10:25	07/31/18 15:53	85-01-8	
Pyrene	**7.1J**	ug/kg	15.9	4.8	1	07/31/18 10:25	07/31/18 15:53	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	46	%	10-115		1	07/31/18 10:25	07/31/18 15:53	321-60-8	
Terphenyl-d14 (S)	51	%	10-121		1	07/31/18 10:25	07/31/18 15:53	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 18:43	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 18:43	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 18:43	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 18:43	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-2 (1-2) **Lab ID: 40173023016** Collected: 07/23/18 15:30 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 18:43	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 18:43	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 18:43	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 18:43	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	96	%	57-148		1	07/26/18 07:45	07/26/18 18:43	1868-53-7	
Toluene-d8 (S)	96	%	58-142		1	07/26/18 07:45	07/26/18 18:43	2037-26-5	
4-Bromofluorobenzene (S)	75	%	48-130		1	07/26/18 07:45	07/26/18 18:43	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.8**	%	0.10	0.10	1		07/27/18 15:47		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-2 (9-10) **Lab ID: 40173023017** Collected: 07/23/18 15:40 Received: 07/25/18 09:50 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	**<24.0**	ug/kg	79.9	24.0	5	07/31/18 10:25	08/01/18 12:40	83-32-9	
Acenaphthylene	**<20.4**	ug/kg	68.1	20.4	5	07/31/18 10:25	08/01/18 12:40	208-96-8	
Anthracene	**<35.4**	ug/kg	118	35.4	5	07/31/18 10:25	08/01/18 12:40	120-12-7	
Benzo(a)anthracene	**<19.6**	ug/kg	65.6	19.6	5	07/31/18 10:25	08/01/18 12:40	56-55-3	
Benzo(a)pyrene	**<15.5**	ug/kg	51.8	15.5	5	07/31/18 10:25	08/01/18 12:40	50-32-8	
Benzo(b)fluoranthene	**<17.5**	ug/kg	58.2	17.5	5	07/31/18 10:25	08/01/18 12:40	205-99-2	
Benzo(g,h,i)perylene	**<12.6**	ug/kg	41.9	12.6	5	07/31/18 10:25	08/01/18 12:40	191-24-2	
Benzo(k)fluoranthene	**<15.5**	ug/kg	51.7	15.5	5	07/31/18 10:25	08/01/18 12:40	207-08-9	
Chrysene	**<20.9**	ug/kg	69.3	20.9	5	07/31/18 10:25	08/01/18 12:40	218-01-9	
Dibenz(a,h)anthracene	**<13.8**	ug/kg	46.1	13.8	5	07/31/18 10:25	08/01/18 12:40	53-70-3	
Fluoranthene	**<32.2**	ug/kg	108	32.2	5	07/31/18 10:25	08/01/18 12:40	206-44-0	
Fluorene	**<25.6**	ug/kg	85.4	25.6	5	07/31/18 10:25	08/01/18 12:40	86-73-7	
Indeno(1,2,3-cd)pyrene	**<13.6**	ug/kg	45.4	13.6	5	07/31/18 10:25	08/01/18 12:40	193-39-5	
1-Methylnaphthalene	**416**	ug/kg	82.9	24.9	5	07/31/18 10:25	08/01/18 12:40	90-12-0	
2-Methylnaphthalene	**701**	ug/kg	103	31.0	5	07/31/18 10:25	08/01/18 12:40	91-57-6	
Naphthalene	**2050**	ug/kg	174	52.1	5	07/31/18 10:25	08/01/18 12:40	91-20-3	
Phenanthrene	**<72.1**	ug/kg	240	72.1	5	07/31/18 10:25	08/01/18 12:40	85-01-8	
Pyrene	**<27.9**	ug/kg	92.9	27.9	5	07/31/18 10:25	08/01/18 12:40	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	43	%	10-115		5	07/31/18 10:25	08/01/18 12:40	321-60-8	
Terphenyl-d14 (S)	49	%	10-121		5	07/31/18 10:25	08/01/18 12:40	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	71-43-2	W
Bromobenzene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	108-86-1	W
Bromochloromethane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	74-97-5	W
Bromodichloromethane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	75-27-4	W
Bromoform	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	75-25-2	W
Bromomethane	**<175**	ug/kg	625	175	2.5	07/26/18 07:45	07/26/18 15:58	74-83-9	W
n-Butylbenzene	**266**	ug/kg	185	77.2	2.5	07/26/18 07:45	07/26/18 15:58	104-51-8	
sec-Butylbenzene	**156J**	ug/kg	185	77.2	2.5	07/26/18 07:45	07/26/18 15:58	135-98-8	
tert-Butylbenzene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	98-06-6	W
Carbon tetrachloride	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	56-23-5	W
Chlorobenzene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	108-90-7	W
Chloroethane	**<168**	ug/kg	625	168	2.5	07/26/18 07:45	07/26/18 15:58	75-00-3	W
Chloroform	**<116**	ug/kg	625	116	2.5	07/26/18 07:45	07/26/18 15:58	67-66-3	W
Chloromethane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	74-87-3	W
2-Chlorotoluene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	95-49-8	W
4-Chlorotoluene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	106-43-4	W
1,2-Dibromo-3-chloropropane	**<228**	ug/kg	625	228	2.5	07/26/18 07:45	07/26/18 15:58	96-12-8	W
Dibromochloromethane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	124-48-1	W
1,2-Dibromoethane (EDB)	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	106-93-4	W
Dibromomethane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	74-95-3	W
1,2-Dichlorobenzene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	95-50-1	W
1,3-Dichlorobenzene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: MW-2 (9-10) **Lab ID: 40173023017** Collected: 07/23/18 15:40 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	106-46-7	W
Dichlorodifluoromethane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	75-71-8	W
1,1-Dichloroethane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	75-34-3	W
1,2-Dichloroethane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	107-06-2	W
1,1-Dichloroethene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	75-35-4	W
cis-1,2-Dichloroethene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	156-59-2	W
trans-1,2-Dichloroethene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	156-60-5	W
1,2-Dichloropropane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	78-87-5	W
1,3-Dichloropropane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	142-28-9	W
2,2-Dichloropropane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	594-20-7	W
1,1-Dichloropropene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	563-58-6	W
cis-1,3-Dichloropropene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	10061-01-5	W
trans-1,3-Dichloropropene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	10061-02-6	W
Diisopropyl ether	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	108-20-3	W
Ethylbenzene	**1540**	ug/kg	185	77.2	2.5	07/26/18 07:45	07/26/18 15:58	100-41-4	
Hexachloro-1,3-butadiene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	87-68-3	W
Isopropylbenzene (Cumene)	**267**	ug/kg	185	77.2	2.5	07/26/18 07:45	07/26/18 15:58	98-82-8	D3
p-Isopropyltoluene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	99-87-6	W
Methylene Chloride	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	75-09-2	W
Methyl-tert-butyl ether	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	1634-04-4	W
Naphthalene	**5750**	ug/kg	772	124	2.5	07/26/18 07:45	07/26/18 15:58	91-20-3	
n-Propylbenzene	**1630**	ug/kg	185	77.2	2.5	07/26/18 07:45	07/26/18 15:58	103-65-1	
Styrene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	100-42-5	W
1,1,1,2-Tetrachloroethane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	630-20-6	W
1,1,2,2-Tetrachloroethane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	79-34-5	W
Tetrachloroethene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	127-18-4	W
Toluene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	108-88-3	W
1,2,3-Trichlorobenzene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	87-61-6	W
1,2,4-Trichlorobenzene	**<119**	ug/kg	625	119	2.5	07/26/18 07:45	07/26/18 15:58	120-82-1	W
1,1,1-Trichloroethane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	71-55-6	W
1,1,2-Trichloroethane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	79-00-5	W
Trichloroethene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	79-01-6	W
Trichlorofluoromethane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	75-69-4	W
1,2,3-Trichloropropane	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	96-18-4	W
1,2,4-Trimethylbenzene	**3470**	ug/kg	185	77.2	2.5	07/26/18 07:45	07/26/18 15:58	95-63-6	
1,3,5-Trimethylbenzene	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	108-67-8	W
Vinyl chloride	**<62.5**	ug/kg	150	62.5	2.5	07/26/18 07:45	07/26/18 15:58	75-01-4	W
Xylene (Total)	**<188**	ug/kg	450	188	2.5	07/26/18 07:45	07/26/18 15:58	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	93	%	57-148		2.5	07/26/18 07:45	07/26/18 15:58	1868-53-7	D3
Toluene-d8 (S)	86	%	58-142		2.5	07/26/18 07:45	07/26/18 15:58	2037-26-5	
4-Bromofluorobenzene (S)	74	%	48-130		2.5	07/26/18 07:45	07/26/18 15:58	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.1**	%	0.10	0.10	1		07/27/18 15:47		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-4 (1-2) **Lab ID: 40173023018** Collected: 07/23/18 16:20 Received: 07/25/18 09:50 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	**<4.0**	ug/kg	13.3	4.0	1	07/31/18 10:25	07/31/18 17:03	83-32-9	
Acenaphthylene	**<3.4**	ug/kg	11.3	3.4	1	07/31/18 10:25	07/31/18 17:03	208-96-8	
Anthracene	**<5.9**	ug/kg	19.5	5.9	1	07/31/18 10:25	07/31/18 17:03	120-12-7	
Benzo(a)anthracene	**<3.3**	ug/kg	10.9	3.3	1	07/31/18 10:25	07/31/18 17:03	56-55-3	
Benzo(a)pyrene	**<2.6**	ug/kg	8.6	2.6	1	07/31/18 10:25	07/31/18 17:03	50-32-8	
Benzo(b)fluoranthene	**<2.9**	ug/kg	9.7	2.9	1	07/31/18 10:25	07/31/18 17:03	205-99-2	
Benzo(g,h,i)perylene	**<2.1**	ug/kg	7.0	2.1	1	07/31/18 10:25	07/31/18 17:03	191-24-2	
Benzo(k)fluoranthene	**<2.6**	ug/kg	8.6	2.6	1	07/31/18 10:25	07/31/18 17:03	207-08-9	
Chrysene	**<3.5**	ug/kg	11.5	3.5	1	07/31/18 10:25	07/31/18 17:03	218-01-9	
Dibenz(a,h)anthracene	**<2.3**	ug/kg	7.7	2.3	1	07/31/18 10:25	07/31/18 17:03	53-70-3	
Fluoranthene	**<5.4**	ug/kg	17.9	5.4	1	07/31/18 10:25	07/31/18 17:03	206-44-0	
Fluorene	**<4.3**	ug/kg	14.2	4.3	1	07/31/18 10:25	07/31/18 17:03	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.3**	ug/kg	7.5	2.3	1	07/31/18 10:25	07/31/18 17:03	193-39-5	
1-Methylnaphthalene	**<4.1**	ug/kg	13.8	4.1	1	07/31/18 10:25	07/31/18 17:03	90-12-0	
2-Methylnaphthalene	**<5.1**	ug/kg	17.2	5.1	1	07/31/18 10:25	07/31/18 17:03	91-57-6	
Naphthalene	**<8.7**	ug/kg	28.9	8.7	1	07/31/18 10:25	07/31/18 17:03	91-20-3	
Phenanthrene	**<12.0**	ug/kg	39.9	12.0	1	07/31/18 10:25	07/31/18 17:03	85-01-8	
Pyrene	**<4.6**	ug/kg	15.4	4.6	1	07/31/18 10:25	07/31/18 17:03	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	10-115		1	07/31/18 10:25	07/31/18 17:03	321-60-8	
Terphenyl-d14 (S)	71	%	10-121		1	07/31/18 10:25	07/31/18 17:03	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 19:06	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 19:06	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 19:06	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 19:06	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-4 (1-2) **Lab ID: 40173023018** Collected: 07/23/18 16:20 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 19:06	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 19:06	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:06	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/26/18 07:45	07/26/18 19:06	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	102	%	57-148		1	07/26/18 07:45	07/26/18 19:06	1868-53-7	
Toluene-d8 (S)	103	%	58-142		1	07/26/18 07:45	07/26/18 19:06	2037-26-5	
4-Bromofluorobenzene (S)	79	%	48-130		1	07/26/18 07:45	07/26/18 19:06	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**2.8**	%	0.10	0.10	1		07/27/18 15:47		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-4 (12-13) **Lab ID: 40173023019** Collected: 07/23/18 16:30 Received: 07/25/18 09:50 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	**<4.6**	ug/kg	15.2	4.6	1	07/31/18 10:25	07/31/18 17:21	83-32-9	
Acenaphthylene	**<3.9**	ug/kg	12.9	3.9	1	07/31/18 10:25	07/31/18 17:21	208-96-8	
Anthracene	**<6.7**	ug/kg	22.3	6.7	1	07/31/18 10:25	07/31/18 17:21	120-12-7	
Benzo(a)anthracene	**<3.7**	ug/kg	12.5	3.7	1	07/31/18 10:25	07/31/18 17:21	56-55-3	
Benzo(a)pyrene	**<3.0**	ug/kg	9.8	3.0	1	07/31/18 10:25	07/31/18 17:21	50-32-8	
Benzo(b)fluoranthene	**<3.3**	ug/kg	11.1	3.3	1	07/31/18 10:25	07/31/18 17:21	205-99-2	
Benzo(g,h,i)perylene	**3.4J**	ug/kg	8.0	2.4	1	07/31/18 10:25	07/31/18 17:21	191-24-2	
Benzo(k)fluoranthene	**<3.0**	ug/kg	9.8	3.0	1	07/31/18 10:25	07/31/18 17:21	207-08-9	
Chrysene	**5.0J**	ug/kg	13.2	4.0	1	07/31/18 10:25	07/31/18 17:21	218-01-9	
Dibenz(a,h)anthracene	**<2.6**	ug/kg	8.8	2.6	1	07/31/18 10:25	07/31/18 17:21	53-70-3	
Fluoranthene	**<6.1**	ug/kg	20.5	6.1	1	07/31/18 10:25	07/31/18 17:21	206-44-0	
Fluorene	**<4.9**	ug/kg	16.2	4.9	1	07/31/18 10:25	07/31/18 17:21	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.6**	ug/kg	8.6	2.6	1	07/31/18 10:25	07/31/18 17:21	193-39-5	
1-Methylnaphthalene	**25.5**	ug/kg	15.8	4.7	1	07/31/18 10:25	07/31/18 17:21	90-12-0	
2-Methylnaphthalene	**38.3**	ug/kg	19.6	5.9	1	07/31/18 10:25	07/31/18 17:21	91-57-6	
Naphthalene	**34.9**	ug/kg	33.0	9.9	1	07/31/18 10:25	07/31/18 17:21	91-20-3	
Phenanthrene	**<13.7**	ug/kg	45.6	13.7	1	07/31/18 10:25	07/31/18 17:21	85-01-8	
Pyrene	**<5.3**	ug/kg	17.6	5.3	1	07/31/18 10:25	07/31/18 17:21	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	10-115		1	07/31/18 10:25	07/31/18 17:21	321-60-8	
Terphenyl-d14 (S)	58	%	10-121		1	07/31/18 10:25	07/31/18 17:21	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/26/18 07:45	07/26/18 19:28	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/26/18 07:45	07/26/18 19:28	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/26/18 07:45	07/26/18 19:28	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/26/18 07:45	07/26/18 19:28	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	541-73-1	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Sample: SB-4 (12-13) **Lab ID: 40173023019** Collected: 07/23/18 16:30 Received: 07/25/18 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/26/18 07:45	07/26/18 19:28	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/26/18 07:45	07/26/18 19:28	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	96-18-4	W
1,2,4-Trimethylbenzene	**63.4J**	ug/kg	70.5	29.4	1	07/26/18 07:45	07/26/18 19:28	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/26/18 07:45	07/26/18 19:28	75-01-4	W
Xylene (Total)	**88.9J**	ug/kg	212	88.2	1	07/26/18 07:45	07/26/18 19:28	1330-20-7	
Surrogates									
Dibromofluoromethane (S)	112	%	57-148		1	07/26/18 07:45	07/26/18 19:28	1868-53-7	
Toluene-d8 (S)	105	%	58-142		1	07/26/18 07:45	07/26/18 19:28	2037-26-5	
4-Bromofluorobenzene (S)	83	%	48-130		1	07/26/18 07:45	07/26/18 19:28	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.0**	%	0.10	0.10	1		07/27/18 15:47		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

QC Batch: 295603 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40173023001, 40173023002, 40173023003, 40173023004, 40173023005, 40173023006, 40173023007, 40173023008, 40173023009, 40173023010, 40173023011, 40173023012, 40173023013, 40173023014, 40173023015, 40173023016, 40173023017, 40173023018, 40173023019

METHOD BLANK: 1727975 Matrix: Solid
Associated Lab Samples: 40173023001, 40173023002, 40173023003, 40173023004, 40173023005, 40173023006, 40173023007, 40173023008, 40173023009, 40173023010, 40173023011, 40173023012, 40173023013, 40173023014, 40173023015, 40173023016, 40173023017, 40173023018, 40173023019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	07/26/18 17:35	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	07/26/18 17:35	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	07/26/18 17:35	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	07/26/18 17:35	
1,1-Dichloroethane	ug/kg	<17.6	50.0	07/26/18 17:35	
1,1-Dichloroethene	ug/kg	<17.6	50.0	07/26/18 17:35	
1,1-Dichloropropene	ug/kg	<14.0	50.0	07/26/18 17:35	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	07/26/18 17:35	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	07/26/18 17:35	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	07/26/18 17:35	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	07/26/18 17:35	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	07/26/18 17:35	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	07/26/18 17:35	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	07/26/18 17:35	
1,2-Dichloroethane	ug/kg	<15.0	50.0	07/26/18 17:35	
1,2-Dichloropropane	ug/kg	<16.8	50.0	07/26/18 17:35	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	07/26/18 17:35	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	07/26/18 17:35	
1,3-Dichloropropane	ug/kg	<12.0	50.0	07/26/18 17:35	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	07/26/18 17:35	
2,2-Dichloropropane	ug/kg	<12.6	50.0	07/26/18 17:35	
2-Chlorotoluene	ug/kg	<15.8	50.0	07/26/18 17:35	
4-Chlorotoluene	ug/kg	<13.0	50.0	07/26/18 17:35	
Benzene	ug/kg	<9.2	20.0	07/26/18 17:35	
Bromobenzene	ug/kg	<20.6	50.0	07/26/18 17:35	
Bromochloromethane	ug/kg	<21.4	50.0	07/26/18 17:35	
Bromodichloromethane	ug/kg	<9.8	50.0	07/26/18 17:35	
Bromoform	ug/kg	<19.8	50.0	07/26/18 17:35	
Bromomethane	ug/kg	<69.9	250	07/26/18 17:35	
Carbon tetrachloride	ug/kg	<12.1	50.0	07/26/18 17:35	
Chlorobenzene	ug/kg	<14.8	50.0	07/26/18 17:35	
Chloroethane	ug/kg	<67.0	250	07/26/18 17:35	
Chloroform	ug/kg	<46.4	250	07/26/18 17:35	
Chloromethane	ug/kg	<20.4	50.0	07/26/18 17:35	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	07/26/18 17:35	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	07/26/18 17:35	
Dibromochloromethane	ug/kg	<17.9	50.0	07/26/18 17:35	
Dibromomethane	ug/kg	<19.3	50.0	07/26/18 17:35	

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: 60578411 704 75TH STREET
Pace Project No.: 40173023

METHOD BLANK: 1727975 Matrix: Solid

Associated Lab Samples: 40173023001, 40173023002, 40173023003, 40173023004, 40173023005, 40173023006, 40173023007, 40173023008, 40173023009, 40173023010, 40173023011, 40173023012, 40173023013, 40173023014, 40173023015, 40173023016, 40173023017, 40173023018, 40173023019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/kg	<12.3	50.0	07/26/18 17:35	
Diisopropyl ether	ug/kg	<17.7	50.0	07/26/18 17:35	
Ethylbenzene	ug/kg	<12.4	50.0	07/26/18 17:35	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	07/26/18 17:35	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	07/26/18 17:35	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	07/26/18 17:35	
Methylene Chloride	ug/kg	<16.2	50.0	07/26/18 17:35	
n-Butylbenzene	ug/kg	<10.5	50.0	07/26/18 17:35	
n-Propylbenzene	ug/kg	<11.6	50.0	07/26/18 17:35	
Naphthalene	ug/kg	<40.0	250	07/26/18 17:35	
p-Isopropyltoluene	ug/kg	<12.0	50.0	07/26/18 17:35	
sec-Butylbenzene	ug/kg	<11.9	50.0	07/26/18 17:35	
Styrene	ug/kg	<9.0	50.0	07/26/18 17:35	
tert-Butylbenzene	ug/kg	<9.5	50.0	07/26/18 17:35	
Tetrachloroethene	ug/kg	<12.9	50.0	07/26/18 17:35	
Toluene	ug/kg	<11.2	50.0	07/26/18 17:35	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	07/26/18 17:35	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	07/26/18 17:35	
Trichloroethene	ug/kg	<23.6	50.0	07/26/18 17:35	
Trichlorofluoromethane	ug/kg	<24.7	50.0	07/26/18 17:35	
Vinyl chloride	ug/kg	<21.1	50.0	07/26/18 17:35	
Xylene (Total)	ug/kg	<48.4	150	07/26/18 17:35	
4-Bromofluorobenzene (S)	%	83	48-130	07/26/18 17:35	
Dibromofluoromethane (S)	%	107	57-148	07/26/18 17:35	
Toluene-d8 (S)	%	110	58-142	07/26/18 17:35	

LABORATORY CONTROL SAMPLE: 1727976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2500	100	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	3050	122	68-130	
1,1,2-Trichloroethane	ug/kg	2500	2990	120	70-130	
1,1-Dichloroethane	ug/kg	2500	2550	102	67-132	
1,1-Dichloroethene	ug/kg	2500	2560	102	67-128	
1,2,4-Trichlorobenzene	ug/kg	2500	1970	79	51-131	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2510	100	49-117	
1,2-Dibromoethane (EDB)	ug/kg	2500	2670	107	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2490	100	70-130	
1,2-Dichloroethane	ug/kg	2500	2420	97	65-137	
1,2-Dichloropropane	ug/kg	2500	3020	121	75-126	
1,3-Dichlorobenzene	ug/kg	2500	2480	99	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2600	104	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: 60578411 704 75TH STREET
Pace Project No.: 40173023

LABORATORY CONTROL SAMPLE: 1727976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2560	103	70-130	
Bromodichloromethane	ug/kg	2500	2910	116	70-130	
Bromoform	ug/kg	2500	2700	108	57-117	
Bromomethane	ug/kg	2500	1860	74	48-135	
Carbon tetrachloride	ug/kg	2500	2460	98	65-133	
Chlorobenzene	ug/kg	2500	2800	112	70-130	
Chloroethane	ug/kg	2500	2490	100	37-165	
Chloroform	ug/kg	2500	2510	101	72-126	
Chloromethane	ug/kg	2500	1660	66	34-120	
cis-1,2-Dichloroethene	ug/kg	2500	2370	95	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2850	114	69-130	
Dibromochloromethane	ug/kg	2500	2930	117	68-130	
Dichlorodifluoromethane	ug/kg	2500	861	34	22-100	
Ethylbenzene	ug/kg	2500	2760	111	79-121	
Isopropylbenzene (Cumene)	ug/kg	2500	2670	107	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2580	103	66-129	
Methylene Chloride	ug/kg	2500	2590	103	68-129	
Styrene	ug/kg	2500	2990	120	70-130	
Tetrachloroethene	ug/kg	2500	2700	108	70-130	
Toluene	ug/kg	2500	2850	114	80-123	
trans-1,2-Dichloroethene	ug/kg	2500	2550	102	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2520	101	67-130	
Trichloroethene	ug/kg	2500	2720	109	70-130	
Trichlorofluoromethane	ug/kg	2500	2290	91	64-134	
Vinyl chloride	ug/kg	2500	1800	72	52-122	
Xylene (Total)	ug/kg	7500	8540	114	70-130	
4-Bromofluorobenzene (S)	%			101	48-130	
Dibromofluoromethane (S)	%			102	57-148	
Toluene-d8 (S)	%			108	58-142	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1727977 1727978

Parameter	Units	40173023001 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/kg	<25.0	1290	1290	1190	1170	92	91	62-130	1	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1290	1290	1520	1430	118	111	64-137	6	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1290	1290	1490	1450	115	113	70-130	2	20	
1,1-Dichloroethane	ug/kg	<25.0	1290	1290	1230	1260	95	98	65-132	2	20	
1,1-Dichloroethene	ug/kg	<25.0	1290	1290	1200	1170	93	91	50-128	2	21	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1290	1290	1070	1020	83	79	51-148	5	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1290	1290	1220	1270	94	99	43-134	5	23	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1290	1290	1280	1320	99	102	70-130	3	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1290	1290	1280	1280	99	99	70-130	0	20	
1,2-Dichloroethane	ug/kg	<25.0	1290	1290	1180	1210	92	94	65-139	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: 60578411 704 75TH STREET
Pace Project No.: 40173023

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1727977 1727978

Parameter	Units	40173023001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/kg	<25.0	1290	1290	1430	1510	111	117	74-128	5	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1290	1290	1230	1240	96	96	70-130	0	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1290	1290	1310	1330	101	103	70-130	1	20	
Benzene	ug/kg	<25.0	1290	1290	1200	1220	93	95	66-132	2	20	
Bromodichloromethane	ug/kg	<25.0	1290	1290	1370	1390	106	108	69-130	1	20	
Bromoform	ug/kg	<25.0	1290	1290	1390	1350	108	105	57-130	3	20	
Bromomethane	ug/kg	<69.9	1290	1290	824	871	64	68	34-145	5	20	
Carbon tetrachloride	ug/kg	<25.0	1290	1290	1220	1180	94	92	54-133	3	20	
Chlorobenzene	ug/kg	<25.0	1290	1290	1340	1350	104	105	70-130	1	20	
Chloroethane	ug/kg	<67.0	1290	1290	1180	1240	92	96	33-165	5	20	
Chloroform	ug/kg	<46.4	1290	1290	1230	1240	95	96	72-128	1	20	
Chloromethane	ug/kg	<25.0	1290	1290	683	696	53	54	20-120	2	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1290	1290	1150	1190	89	92	69-130	3	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1290	1290	1260	1270	98	99	65-130	0	20	
Dibromochloromethane	ug/kg	<25.0	1290	1290	1380	1410	107	109	65-130	2	20	
Dichlorodifluoromethane	ug/kg	<25.0	1290	1290	330	311	26	24	10-109	6	29	
Ethylbenzene	ug/kg	<25.0	1290	1290	1220	1200	94	93	63-127	1	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1290	1290	1180	1160	92	90	66-130	2	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1290	1290	1230	1240	95	96	62-135	1	20	
Methylene Chloride	ug/kg	<25.0	1290	1290	1300	1310	101	102	68-129	1	20	
Styrene	ug/kg	<25.0	1290	1290	1330	1340	103	104	70-130	1	20	
Tetrachloroethene	ug/kg	<25.0	1290	1290	1350	1280	104	100	70-130	5	20	
Toluene	ug/kg	<25.0	1290	1290	1370	1370	106	106	80-123	0	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1290	1290	1260	1210	98	94	70-130	4	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1290	1290	1250	1280	97	99	67-130	3	20	
Trichloroethene	ug/kg	<25.0	1290	1290	1290	1320	100	102	70-130	2	20	
Trichlorofluoromethane	ug/kg	<25.0	1290	1290	1150	1120	89	87	41-134	2	26	
Vinyl chloride	ug/kg	<25.0	1290	1290	843	809	65	63	39-122	4	20	
Xylene (Total)	ug/kg	<75.0	3870	3870	3770	3890	98	101	69-130	3	20	
4-Bromofluorobenzene (S)	%						86	86	48-130			
Dibromofluoromethane (S)	%						92	91	57-148			
Toluene-d8 (S)	%						94	92	58-142			

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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: 60578411 704 75TH STREET
Pace Project No.: 40173023

QC Batch: 295777 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40173023001, 40173023002, 40173023004, 40173023005, 40173023006, 40173023007, 40173023008, 40173023009, 40173023010, 40173023011, 40173023012, 40173023013, 40173023014, 40173023015

METHOD BLANK: 1728873 Matrix: Solid
Associated Lab Samples: 40173023001, 40173023002, 40173023004, 40173023005, 40173023006, 40173023007, 40173023008, 40173023009, 40173023010, 40173023011, 40173023012, 40173023013, 40173023014, 40173023015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	07/30/18 14:03	
2-Methylnaphthalene	ug/kg	<5.0	16.7	07/30/18 14:03	
Acenaphthene	ug/kg	<3.9	12.9	07/30/18 14:03	
Acenaphthylene	ug/kg	<3.3	11.0	07/30/18 14:03	
Anthracene	ug/kg	<5.7	19.0	07/30/18 14:03	
Benzo(a)anthracene	ug/kg	<3.2	10.6	07/30/18 14:03	
Benzo(a)pyrene	ug/kg	<2.5	8.4	07/30/18 14:03	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	07/30/18 14:03	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	07/30/18 14:03	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	07/30/18 14:03	
Chrysene	ug/kg	<3.4	11.2	07/30/18 14:03	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.5	07/30/18 14:03	
Fluoranthene	ug/kg	<5.2	17.4	07/30/18 14:03	
Fluorene	ug/kg	<4.1	13.8	07/30/18 14:03	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	07/30/18 14:03	
Naphthalene	ug/kg	<8.4	28.1	07/30/18 14:03	
Phenanthrene	ug/kg	<11.7	38.8	07/30/18 14:03	
Pyrene	ug/kg	<4.5	15.0	07/30/18 14:03	
2-Fluorobiphenyl (S)	%	70	10-115	07/30/18 14:03	
Terphenyl-d14 (S)	%	86	10-121	07/30/18 14:03	

LABORATORY CONTROL SAMPLE: 1728874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	275	82	45-103	
2-Methylnaphthalene	ug/kg	333	263	79	43-98	
Acenaphthene	ug/kg	333	257	77	43-100	
Acenaphthylene	ug/kg	333	261	78	40-100	
Anthracene	ug/kg	333	292	88	50-113	
Benzo(a)anthracene	ug/kg	333	297	89	49-102	
Benzo(a)pyrene	ug/kg	333	309	93	51-105	
Benzo(b)fluoranthene	ug/kg	333	331	99	49-105	
Benzo(g,h,i)perylene	ug/kg	333	269	81	34-113	
Benzo(k)fluoranthene	ug/kg	333	312	94	54-110	
Chrysene	ug/kg	333	316	95	55-116	
Dibenz(a,h)anthracene	ug/kg	333	286	86	45-108	
Fluoranthene	ug/kg	333	336	101	50-118	
Fluorene	ug/kg	333	277	83	41-103	

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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: 60578411 704 75TH STREET
Pace Project No.: 40173023

LABORATORY CONTROL SAMPLE: 1728874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/kg	333	295	88	43-115	
Naphthalene	ug/kg	333	260	78	44-92	
Phenanthrene	ug/kg	333	291	87	51-104	
Pyrene	ug/kg	333	287	86	51-106	
2-Fluorobiphenyl (S)	%			84	10-115	
Terphenyl-d14 (S)	%			86	10-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1728875 1728876

Parameter	Units	40173023001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<4.1	345	343	231	281	67	82	21-105	20	30	
2-Methylnaphthalene	ug/kg	<5.2	345	343	219	269	64	78	18-103	20	29	
Acenaphthene	ug/kg	<4.0	345	343	209	253	61	73	31-100	19	28	
Acenaphthylene	ug/kg	<3.4	345	343	217	256	63	75	30-100	16	27	
Anthracene	ug/kg	<5.9	345	343	237	289	69	84	27-113	20	30	
Benzo(a)anthracene	ug/kg	<3.3	345	343	228	277	66	80	28-102	19	30	
Benzo(a)pyrene	ug/kg	<2.6	345	343	228	284	66	83	27-105	22	32	
Benzo(b)fluoranthene	ug/kg	<2.9	345	343	244	297	71	86	24-109	20	37	
Benzo(g,h,i)perylene	ug/kg	<2.1	345	343	200	222	58	65	10-113	11	38	
Benzo(k)fluoranthene	ug/kg	<2.6	345	343	228	259	66	75	35-110	13	31	
Chrysene	ug/kg	<3.5	345	343	242	292	70	85	29-116	19	29	
Dibenz(a,h)anthracene	ug/kg	<2.3	345	343	208	235	60	68	22-108	12	32	
Fluoranthene	ug/kg	<5.4	345	343	250	309	73	90	27-118	21	34	
Fluorene	ug/kg	<4.3	345	343	223	266	65	77	31-103	18	28	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.3	345	343	212	243	62	71	18-115	13	33	
Naphthalene	ug/kg	<8.7	345	343	208	253	60	74	34-92	20	31	
Phenanthrene	ug/kg	<12.0	345	343	229	286	66	83	28-104	22	32	
Pyrene	ug/kg	<4.6	345	343	255	290	74	84	13-117	13	40	
2-Fluorobiphenyl (S)	%						60	72	10-115			
Terphenyl-d14 (S)	%						64	76	10-121			

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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: 60578411 704 75TH STREET
Pace Project No.: 40173023

QC Batch: 295903 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40173023016, 40173023017, 40173023018, 40173023019

METHOD BLANK: 1729287 Matrix: Solid
Associated Lab Samples: 40173023016, 40173023017, 40173023018, 40173023019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	07/31/18 15:19	
2-Methylnaphthalene	ug/kg	<5.0	16.7	07/31/18 15:19	
Acenaphthene	ug/kg	<3.9	12.9	07/31/18 15:19	
Acenaphthylene	ug/kg	<3.3	11.0	07/31/18 15:19	
Anthracene	ug/kg	<5.7	19.0	07/31/18 15:19	
Benzo(a)anthracene	ug/kg	<3.2	10.6	07/31/18 15:19	
Benzo(a)pyrene	ug/kg	<2.5	8.4	07/31/18 15:19	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	07/31/18 15:19	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	07/31/18 15:19	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	07/31/18 15:19	
Chrysene	ug/kg	<3.4	11.2	07/31/18 15:19	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	07/31/18 15:19	
Fluoranthene	ug/kg	<5.2	17.4	07/31/18 15:19	
Fluorene	ug/kg	<4.1	13.8	07/31/18 15:19	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	07/31/18 15:19	
Naphthalene	ug/kg	<8.4	28.1	07/31/18 15:19	
Phenanthrene	ug/kg	<11.6	38.8	07/31/18 15:19	
Pyrene	ug/kg	<4.5	15.0	07/31/18 15:19	
2-Fluorobiphenyl (S)	%	64	10-115	07/31/18 15:19	
Terphenyl-d14 (S)	%	86	10-121	07/31/18 15:19	

LABORATORY CONTROL SAMPLE: 1729288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	180	54	45-103	
2-Methylnaphthalene	ug/kg	333	165	49	43-98	
Acenaphthene	ug/kg	333	164	49	43-100	
Acenaphthylene	ug/kg	333	170	51	40-100	
Anthracene	ug/kg	333	214	64	50-113	
Benzo(a)anthracene	ug/kg	333	204	61	49-102	
Benzo(a)pyrene	ug/kg	333	206	62	51-105	
Benzo(b)fluoranthene	ug/kg	333	190	57	49-105	
Benzo(g,h,i)perylene	ug/kg	333	189	57	34-113	
Benzo(k)fluoranthene	ug/kg	333	212	64	54-110	
Chrysene	ug/kg	333	223	67	55-116	
Dibenz(a,h)anthracene	ug/kg	333	192	58	45-108	
Fluoranthene	ug/kg	333	221	66	50-118	
Fluorene	ug/kg	333	179	54	41-103	
Indeno(1,2,3-cd)pyrene	ug/kg	333	200	60	43-115	
Naphthalene	ug/kg	333	156	47	44-92	

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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: 60578411 704 75TH STREET
Pace Project No.: 40173023

LABORATORY CONTROL SAMPLE: 1729288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	202	61	51-104	
Pyrene	ug/kg	333	219	66	51-106	
2-Fluorobiphenyl (S)	%			49	10-115	
Terphenyl-d14 (S)	%			68	10-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1729289 1729290

Parameter	Units	40173023016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	50.9	354	354	195	156	41	30	21-105	23	30	
2-Methylnaphthalene	ug/kg	80.8	354	354	168	144	25	18	18-103	16	29	
Acenaphthene	ug/kg	<4.1	354	354	158	142	44	40	31-100	11	28	
Acenaphthylene	ug/kg	5.5J	354	354	164	144	45	39	30-100	13	27	
Anthracene	ug/kg	<6.1	354	354	180	161	49	44	27-113	11	30	
Benzo(a)anthracene	ug/kg	<3.4	354	354	172	156	48	43	28-102	10	30	
Benzo(a)pyrene	ug/kg	<2.7	354	354	165	150	46	42	27-105	9	32	
Benzo(b)fluoranthene	ug/kg	<3.0	354	354	154	134	44	38	24-109	14	37	
Benzo(g,h,i)perylene	ug/kg	<2.2	354	354	168	142	47	40	10-113	16	38	
Benzo(k)fluoranthene	ug/kg	<2.7	354	354	169	161	48	45	35-110	5	31	
Chrysene	ug/kg	<3.6	354	354	187	173	52	48	29-116	8	29	
Dibenz(a,h)anthracene	ug/kg	<2.4	354	354	161	141	46	40	22-108	13	32	
Fluoranthene	ug/kg	<5.5	354	354	182	164	50	45	27-118	11	34	
Fluorene	ug/kg	9.1J	354	354	162	144	43	38	31-103	12	28	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.3	354	354	168	146	47	41	18-115	14	33	
Naphthalene	ug/kg	227	354	354	172	141	-15	-24	34-92	20	31	M1
Phenanthrene	ug/kg	25.0J	354	354	171	153	41	36	28-104	11	32	
Pyrene	ug/kg	7.1J	354	354	196	167	53	45	13-117	16	40	
2-Fluorobiphenyl (S)	%						49	42	10-115			
Terphenyl-d14 (S)	%						56	47	10-121			

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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: 60578411 704 75TH STREET
Pace Project No.: 40173023

QC Batch: 295733 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40173023001, 40173023002, 40173023004, 40173023005, 40173023006, 40173023007, 40173023008, 40173023009, 40173023010, 40173023011, 40173023012, 40173023013

SAMPLE DUPLICATE: 1728609

Parameter	Units	40173023002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.6	6.5	1	10	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

QC Batch: 295740 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40173023014, 40173023015, 40173023016, 40173023017, 40173023018, 40173023019

SAMPLE DUPLICATE: 1728657

Parameter	Units	40173023015 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.3	18.2	1	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALIFIERS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
W	Non-detect results are reported on a wet weight basis.

Pace Analytical Services, LLC
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Green Bay, WI 54302
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40173023001	**MW-3 (1-2)**	EPA 3546	295777	EPA 8270 by SIM	295828
40173023002	**MW-3 (8-9)**	EPA 3546	295777	EPA 8270 by SIM	295828
40173023004	**MW-4 (1-2)**	EPA 3546	295777	EPA 8270 by SIM	295828
40173023005	**MW-4 (8-9)**	EPA 3546	295777	EPA 8270 by SIM	295828
40173023006	**SB-5 (1-2)**	EPA 3546	295777	EPA 8270 by SIM	295828
40173023007	**SB-5 (8-9)**	EPA 3546	295777	EPA 8270 by SIM	295828
40173023008	**SB-1 (1-2)**	EPA 3546	295777	EPA 8270 by SIM	295828
40173023009	**SB-1 (10-11)**	EPA 3546	295777	EPA 8270 by SIM	295828
40173023010	**MW-1 (1-2)**	EPA 3546	295777	EPA 8270 by SIM	295828
40173023011	**MW-1 (8-9)**	EPA 3546	295777	EPA 8270 by SIM	295828
40173023012	**SB-2 (1-2)**	EPA 3546	295777	EPA 8270 by SIM	295828
40173023013	**SB-2 (9-10)**	EPA 3546	295777	EPA 8270 by SIM	295828
40173023014	**SB-3 (1-2)**	EPA 3546	295777	EPA 8270 by SIM	295828
40173023015	**SB-3 (9-10)**	EPA 3546	295777	EPA 8270 by SIM	295828
40173023016	**MW-2 (1-2)**	EPA 3546	295903	EPA 8270 by SIM	295996
40173023017	**MW-2 (9-10)**	EPA 3546	295903	EPA 8270 by SIM	295996
40173023018	**SB-4 (1-2)**	EPA 3546	295903	EPA 8270 by SIM	295996
40173023019	**SB-4 (12-13)**	EPA 3546	295903	EPA 8270 by SIM	295996
40173023001	**MW-3 (1-2)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023002	**MW-3 (8-9)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023003	**MTB-1**	EPA 5035/5030B	295603	EPA 8260	295607
40173023004	**MW-4 (1-2)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023005	**MW-4 (8-9)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023006	**SB-5 (1-2)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023007	**SB-5 (8-9)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023008	**SB-1 (1-2)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023009	**SB-1 (10-11)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023010	**MW-1 (1-2)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023011	**MW-1 (8-9)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023012	**SB-2 (1-2)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023013	**SB-2 (9-10)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023014	**SB-3 (1-2)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023015	**SB-3 (9-10)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023016	**MW-2 (1-2)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023017	**MW-2 (9-10)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023018	**SB-4 (1-2)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023019	**SB-4 (12-13)**	EPA 5035/5030B	295603	EPA 8260	295607
40173023001	**MW-3 (1-2)**	ASTM D2974-87	295733		
40173023002	**MW-3 (8-9)**	ASTM D2974-87	295733		
40173023004	**MW-4 (1-2)**	ASTM D2974-87	295733		
40173023005	**MW-4 (8-9)**	ASTM D2974-87	295733		
40173023006	**SB-5 (1-2)**	ASTM D2974-87	295733		
40173023007	**SB-5 (8-9)**	ASTM D2974-87	295733		
40173023008	**SB-1 (1-2)**	ASTM D2974-87	295733		
40173023009	**SB-1 (10-11)**	ASTM D2974-87	295733		
40173023010	**MW-1 (1-2)**	ASTM D2974-87	295733		
40173023011	**MW-1 (8-9)**	ASTM D2974-87	295733		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60578411 704 75TH STREET
Pace Project No.: 40173023

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40173023012	**SB-2 (1-2)**	ASTM D2974-87	295733		
40173023013	**SB-2 (9-10)**	ASTM D2974-87	295733		
40173023014	**SB-3 (1-2)**	ASTM D2974-87	295740		
40173023015	**SB-3 (9-10)**	ASTM D2974-87	295740		
40173023016	**MW-2 (1-2)**	ASTM D2974-87	295740		
40173023017	**MW-2 (9-10)**	ASTM D2974-87	295740		
40173023018	**SB-4 (1-2)**	ASTM D2974-87	295740		
40173023019	**SB-4 (12-13)**	ASTM D2974-87	295740		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

40173023

Page: 1 of 2

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AECOM - Milw	Report To: Lanette Altenbach	Attention: Accounts Payable/Finance Department
Address: 1555 N. River Center Dr., Suite 214	Copy To:	Company Name: City of Kenosha
Milwaukee, WI 53212		Address: 652 52nd St., Kenosha, WI 53140
Email To: Lanette.Altenbach@aecom.com	Purchase Order No.: N/A	Pace Quote Reference: N/A
Phone: 414-577-1363	Project Name: 704 75th Street	Pace Project Manager: Chris Hyska
Requested Due Date/TAT: Standard	Project Number: 60578411	Pace Profile #: (2430) Kenosha work

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER_____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ ☑ WI ☐ OTHER___

Section D Required Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: VOCs 8260	PAHs 8270sim	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	MW-3 (1-2)	SL	C	7/23/18	0935				3	1						2			X	X		001
2	MW-3 (8-9)	SL	C	7/23/18	0945				3	1						2			X	X		002
3	MTB-1	SL	G			7/23/18	0900		2							2			X			003
4	MW-4 (1-2)	SL	C	7/23/18	1055				3	1						2			X	X		004
5	MW-4 (8-9)	SL	C	7/23/18	1105				3	1						2			X	X		005
6	SB-5 (1-2)	SL	C	7/23/18	1145				3	1						2			X	X		006
7	SB-5 (8-9)	SL	C	7/23/18	1155				3	1						2			X	X		007
8	SB-1 (1-2)	SL	C	7/23/18	1220				3	1						2			X	X		008
9	SB-1 (10-11)	SL	C	7/23/18	1225				3	1						2			X	X		009
10	MW-1 (1-2)	SL	C	7/23/18	1255				3	1						2			X	X		010
11	MW-1 (8-9)	SL	C	7/23/18	1305				3	1						2			X	X		011
12	SB-2 (1-2)	SL	C	7/23/18	1410				3	1						2			X	X		012

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Heather Allen/AECOM	7/24/18	1400	Mary Jarmin	7/24/18	1400
Mary Jarmin	7/24/18	1530			
C&R Logistics	7/25/18	0950	Susan Kilgore	7/25/18	0950

SAMPLE CONDITIONS

	Y/N	Y/N	Y/N	Temp in °C
ROI	Y/N	Y/N	Y/N	Received on Ice
	Y/N	Y/N	Y/N	Custody Sealed Cooler
	Y/N	Y/N	Y/N	Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

401730 23

Page: 2 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AECOM - Milw	Report To: Lanette Altenbach	Attention: Accounts Payable/Finance Department
Address: 1555 N. River Center Dr., Suite 214	Copy To:	Company Name: City of Kenosha
Milwaukee, WI 53212		Address: 652 52nd St., Kenosha, WI 53140
Email To: Lanette.Altenbach@aecom.com	Purchase Order No.: N/A	Pace Quote Reference: N/A
Phone: 414-577-1363	Project Name: 704 75th Street	Pace Project Manager: Chris Hyska
Requested Due Date/TAT: Standard	Project Number: 60578411	Pace Profile #: (2430) Kenosha work

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER_____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ ☑ WI ☐ OTHER___

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SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
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WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	Sample ID	MATRIX CODE	SAMPLE TYPE G+GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: VOCs 8260	PAHs 8270sim	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	SB-2 (9-10)	SL	C	7/23/18	1415				3	1						2		X	X		013
2	SB-3 (1-2)	SL	C	7/23/18	1450				3	1						2		X	X		014
3	SB-3 (9-10)	SL	C	7/23/18	1500				3	1						2		X	X		015
4	MW-2 (1-2)	SL	C	7/23/18	1530				3	1						2		X	X		016
5	MW-2 (9-10)	SL	C	7/23/18	1540				3	1						2		X	X		017
6	SB-4 (1-2)	SL	C	7/23/18	1620				3	1						2		X	X		018
7	SB-4 (12-13)	SL	C	7/23/18	1630				3	1						2		X	X		019
8																					
9																					
10																					
11																					
12																					

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Hadi Albert/AECOM	7/24/18	1400	Mary Fannin	7/24/18	1400
Mary Fannin	7/24/18	1530			
Logistics	7/25/18	0950	Susan Ulfig Pace	7/25/18	0950

SAMPLE CONDITIONS

	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
ROT		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

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

Sample Preservation Receipt Form

Client Name: AECOM Project # 40173023

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A Initial when completed: Date/ Time:

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																			2		1												2.5 / 5 / 10
002																			2		1												2.5 / 5 / 10
003																			2														2.5 / 5 / 10
004																			2		1												2.5 / 5 / 10
005																			2		1												2.5 / 5 / 10
006																			2		1												2.5 / 5 / 10
007																			2		1												2.5 / 5 / 10
008																			2		1												2.5 / 5 / 10
009																			2		1												2.5 / 5 / 10
010																			2		1												2.5 / 5 / 10
011																			2		1												2.5 / 5 / 10
012																			2		1												2.5 / 5 / 10
013																			2		1												2.5 / 5 / 10
014																			2		1												2.5 / 5 / 10
015																			2		1												2.5 / 5 / 10
016																			2		1												2.5 / 5 / 10
017																			2		1												2.5 / 5 / 10
018																			2		1												2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : □Yes □No ☒N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

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: AECOM

Project #:

WO# : 40173023

40173023

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: RDI Corr: _____

Temp Blank Present: ☐ yes ☒ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 7-25-18
Initials: SW

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
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:		8.
For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	
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.
-Includes date/time/ID/Analysis Matrix: S		
Trip Blank Present:	☑Yes ☐No ☐N/A	13. MEOH
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

7-25-18 SW

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: CH **Date:** 7/25/18

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

August 17, 2018

Lanette Altenbach
AECOM, Inc.
1555 N River Center Drive
Suite 214
Milwaukee, WI 53212

RE: Project: 60578411 704 75TH STREET
Pace Project No.: 40173932

Dear Lanette Altenbach:
Enclosed are the analytical results for sample(s) received by the laboratory on August 11, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173932

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: 60578411 704 75TH STREET
Pace Project No.: 40173932

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40173932001	**TRIP BLANK**	Water	08/09/18 10:00	08/11/18 09:45
40173932002	**MW-1**	Water	08/09/18 10:40	08/11/18 09:45
40173932003	**MW-2**	Water	08/09/18 10:50	08/11/18 09:45
40173932004	**MW-3**	Water	08/09/18 11:05	08/11/18 09:45
40173932005	**MW-4**	Water	08/09/18 11:20	08/11/18 09:45
40173932006	**MW-4 DUP**	Water	08/09/18 11:20	08/11/18 09:45

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

SAMPLE ANALYTE COUNT

Project: 60578411 704 75TH STREET
Pace Project No.: 40173932

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40173932001	**TRIP BLANK**	EPA 8260	HNW	63	PASI-G
40173932002	**MW-1**	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40173932003	**MW-2**	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40173932004	**MW-3**	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40173932005	**MW-4**	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40173932006	**MW-4 DUP**	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G

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

SUMMARY OF DETECTION

Project: 60578411 704 75TH STREET
Pace Project No.: 40173932

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40173932002	**MW-1**					
EPA 8270 by HVI	1-Methylnaphthalene	0.0082J	ug/L	0.029	08/15/18 13:08	B,L2
EPA 8270 by HVI	2-Methylnaphthalene	0.0077J	ug/L	0.024	08/15/18 13:08	B,L2
EPA 8270 by HVI	Phenanthrene	0.022J	ug/L	0.068	08/15/18 13:08	B
EPA 8260	Bromomethane	2.2J	ug/L	5.0	08/15/18 09:13	
EPA 8260	Chloromethane	34.7	ug/L	7.3	08/15/18 09:13	
40173932003	**MW-2**					
EPA 8270 by HVI	1-Methylnaphthalene	0.048	ug/L	0.030	08/15/18 20:26	B,L2
EPA 8270 by HVI	2-Methylnaphthalene	0.026	ug/L	0.024	08/15/18 20:26	B,L2
EPA 8270 by HVI	Naphthalene	0.065J	ug/L	0.092	08/15/18 20:26	B,P2
EPA 8270 by HVI	Phenanthrene	0.058J	ug/L	0.069	08/15/18 20:26	B
EPA 8260	Benzene	3.3	ug/L	1.0	08/14/18 14:30	
EPA 8260	Bromomethane	2.4J	ug/L	5.0	08/14/18 14:30	
EPA 8260	Chloromethane	44.6	ug/L	7.3	08/14/18 14:30	
EPA 8260	Ethylbenzene	4.8	ug/L	1.0	08/14/18 14:30	
EPA 8260	Isopropylbenzene (Cumene)	2.1J	ug/L	2.7	08/14/18 14:30	
EPA 8260	Methyl-tert-butyl ether	17.4	ug/L	4.2	08/14/18 14:30	
EPA 8260	Naphthalene	3.0J	ug/L	5.0	08/14/18 14:30	
EPA 8260	n-Propylbenzene	1.2J	ug/L	5.0	08/14/18 14:30	
EPA 8260	1,2,4-Trimethylbenzene	8.2	ug/L	2.8	08/14/18 14:30	
EPA 8260	1,3,5-Trimethylbenzene	1.5J	ug/L	2.9	08/14/18 14:30	
EPA 8260	Xylene (Total)	6.4	ug/L	3.0	08/14/18 14:30	
40173932004	**MW-3**					
EPA 8270 by HVI	Phenanthrene	0.014J	ug/L	0.069	08/15/18 13:26	B
EPA 8260	Bromomethane	2.4J	ug/L	5.0	08/14/18 18:36	
EPA 8260	Chloromethane	39.1	ug/L	7.3	08/14/18 18:36	
40173932005	**MW-4**					
EPA 8260	Bromodichloromethane	0.58J	ug/L	1.2	08/15/18 14:53	
EPA 8260	Chloroform	3.0J	ug/L	5.0	08/15/18 14:53	
EPA 8260	Chloromethane	25.5	ug/L	7.3	08/15/18 14:53	
40173932006	**MW-4 DUP**					
EPA 8260	Bromodichloromethane	0.51J	ug/L	1.2	08/15/18 15:14	
EPA 8260	Bromomethane	1.6J	ug/L	5.0	08/15/18 15:14	
EPA 8260	Chloroform	3.0J	ug/L	5.0	08/15/18 15:14	
EPA 8260	Chloromethane	71.2	ug/L	7.3	08/15/18 15:14	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173932

Sample: TRIP BLANK **Lab ID: 40173932001** Collected: 08/09/18 10:00 Received: 08/11/18 09:45 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		08/14/18 17:51	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/14/18 17:51	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/14/18 17:51	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/14/18 17:51	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/14/18 17:51	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/14/18 17:51	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/14/18 17:51	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/14/18 17:51	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/14/18 17:51	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/14/18 17:51	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/14/18 17:51	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/14/18 17:51	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/14/18 17:51	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/14/18 17:51	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/14/18 17:51	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/14/18 17:51	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/14/18 17:51	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/14/18 17:51	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/14/18 17:51	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/14/18 17:51	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/14/18 17:51	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/14/18 17:51	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/14/18 17:51	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/14/18 17:51	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/14/18 17:51	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/14/18 17:51	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/14/18 17:51	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		08/14/18 17:51	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/14/18 17:51	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/14/18 17:51	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/14/18 17:51	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/14/18 17:51	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/14/18 17:51	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/14/18 17:51	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/14/18 17:51	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/14/18 17:51	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/14/18 17:51	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/14/18 17:51	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	2.7	0.39	1		08/14/18 17:51	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/14/18 17:51	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/14/18 17:51	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/14/18 17:51	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/14/18 17:51	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/14/18 17:51	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/14/18 17:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/14/18 17:51	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173932

Sample: TRIP BLANK **Lab ID: 40173932001** Collected: 08/09/18 10:00 Received: 08/11/18 09:45 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		08/14/18 17:51	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		08/14/18 17:51	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/14/18 17:51	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/14/18 17:51	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/14/18 17:51	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/14/18 17:51	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/14/18 17:51	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/14/18 17:51	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/14/18 17:51	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/14/18 17:51	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/14/18 17:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/14/18 17:51	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/14/18 17:51	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		08/14/18 17:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		08/14/18 17:51	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		08/14/18 17:51	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/14/18 17:51	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: 60578411 704 75TH STREET
Pace Project No.: 40173932

Sample: MW-1 **Lab ID: 40173932002** Collected: 08/09/18 10:40 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Acenaphthene	**<0.0060**	ug/L	0.030	0.0060	1	08/15/18 09:18	08/15/18 13:08	83-32-9	L2
Acenaphthylene	**<0.0049**	ug/L	0.024	0.0049	1	08/15/18 09:18	08/15/18 13:08	208-96-8	
Anthracene	**<0.010**	ug/L	0.051	0.010	1	08/15/18 09:18	08/15/18 13:08	120-12-7	
Benzo(a)anthracene	**<0.0074**	ug/L	0.037	0.0074	1	08/15/18 09:18	08/15/18 13:08	56-55-3	
Benzo(a)pyrene	**<0.010**	ug/L	0.052	0.010	1	08/15/18 09:18	08/15/18 13:08	50-32-8	
Benzo(b)fluoranthene	**<0.0056**	ug/L	0.028	0.0056	1	08/15/18 09:18	08/15/18 13:08	205-99-2	
Benzo(g,h,i)perylene	**<0.0066**	ug/L	0.033	0.0066	1	08/15/18 09:18	08/15/18 13:08	191-24-2	
Benzo(k)fluoranthene	**<0.0074**	ug/L	0.037	0.0074	1	08/15/18 09:18	08/15/18 13:08	207-08-9	
Chrysene	**<0.013**	ug/L	0.064	0.013	1	08/15/18 09:18	08/15/18 13:08	218-01-9	
Dibenz(a,h)anthracene	**<0.0098**	ug/L	0.049	0.0098	1	08/15/18 09:18	08/15/18 13:08	53-70-3	
Fluoranthene	**<0.010**	ug/L	0.052	0.010	1	08/15/18 09:18	08/15/18 13:08	206-44-0	
Fluorene	**<0.0078**	ug/L	0.039	0.0078	1	08/15/18 09:18	08/15/18 13:08	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.017**	ug/L	0.086	0.017	1	08/15/18 09:18	08/15/18 13:08	193-39-5	
1-Methylnaphthalene	**0.0082J**	ug/L	0.029	0.0058	1	08/15/18 09:18	08/15/18 13:08	90-12-0	B,L2
2-Methylnaphthalene	**0.0077J**	ug/L	0.024	0.0048	1	08/15/18 09:18	08/15/18 13:08	91-57-6	B,L2
Naphthalene	**<0.018**	ug/L	0.090	0.018	1	08/15/18 09:18	08/15/18 13:08	91-20-3	P2
Phenanthrene	**0.022J**	ug/L	0.068	0.014	1	08/15/18 09:18	08/15/18 13:08	85-01-8	B
Pyrene	**<0.0075**	ug/L	0.038	0.0075	1	08/15/18 09:18	08/15/18 13:08	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	46	%	29-80		1	08/15/18 09:18	08/15/18 13:08	321-60-8	
Terphenyl-d14 (S)	38	%	10-123		1	08/15/18 09:18	08/15/18 13:08	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/15/18 09:13	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/15/18 09:13	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/15/18 09:13	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/15/18 09:13	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/15/18 09:13	75-25-2	
Bromomethane	**2.2J**	ug/L	5.0	0.97	1		08/15/18 09:13	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/15/18 09:13	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/15/18 09:13	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/15/18 09:13	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/15/18 09:13	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/15/18 09:13	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/15/18 09:13	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/15/18 09:13	67-66-3	
Chloromethane	**34.7**	ug/L	7.3	2.2	1		08/15/18 09:13	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/15/18 09:13	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/15/18 09:13	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/15/18 09:13	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/15/18 09:13	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/15/18 09:13	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/15/18 09:13	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/15/18 09:13	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/15/18 09:13	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/15/18 09:13	106-46-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173932

Sample: MW-1 **Lab ID: 40173932002** Collected: 08/09/18 10:40 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/15/18 09:13	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/15/18 09:13	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/15/18 09:13	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/15/18 09:13	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		08/15/18 09:13	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/15/18 09:13	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/15/18 09:13	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/15/18 09:13	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/15/18 09:13	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/15/18 09:13	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/15/18 09:13	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/15/18 09:13	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/15/18 09:13	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/15/18 09:13	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/15/18 09:13	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	2.7	0.39	1		08/15/18 09:13	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/15/18 09:13	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/15/18 09:13	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/15/18 09:13	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/15/18 09:13	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/15/18 09:13	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/15/18 09:13	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/15/18 09:13	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/15/18 09:13	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 09:13	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/15/18 09:13	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/15/18 09:13	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/15/18 09:13	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/15/18 09:13	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/15/18 09:13	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/15/18 09:13	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/15/18 09:13	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/15/18 09:13	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/15/18 09:13	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/15/18 09:13	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/15/18 09:13	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		08/15/18 09:13	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		08/15/18 09:13	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		08/15/18 09:13	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		08/15/18 09:13	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: 60578411 704 75TH STREET
Pace Project No.: 40173932

Sample: MW-2 **Lab ID: 40173932003** Collected: 08/09/18 10:50 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Acenaphthene	**<0.0061**	ug/L	0.030	0.0061	1	08/15/18 09:18	08/15/18 20:26	83-32-9	L2
Acenaphthylene	**<0.0050**	ug/L	0.025	0.0050	1	08/15/18 09:18	08/15/18 20:26	208-96-8	
Anthracene	**<0.010**	ug/L	0.052	0.010	1	08/15/18 09:18	08/15/18 20:26	120-12-7	
Benzo(a)anthracene	**<0.0076**	ug/L	0.038	0.0076	1	08/15/18 09:18	08/15/18 20:26	56-55-3	
Benzo(a)pyrene	**<0.011**	ug/L	0.053	0.011	1	08/15/18 09:18	08/15/18 20:26	50-32-8	
Benzo(b)fluoranthene	**<0.0057**	ug/L	0.029	0.0057	1	08/15/18 09:18	08/15/18 20:26	205-99-2	
Benzo(g,h,i)perylene	**<0.0068**	ug/L	0.034	0.0068	1	08/15/18 09:18	08/15/18 20:26	191-24-2	
Benzo(k)fluoranthene	**<0.0076**	ug/L	0.038	0.0076	1	08/15/18 09:18	08/15/18 20:26	207-08-9	
Chrysene	**<0.013**	ug/L	0.065	0.013	1	08/15/18 09:18	08/15/18 20:26	218-01-9	
Dibenz(a,h)anthracene	**<0.010**	ug/L	0.050	0.010	1	08/15/18 09:18	08/15/18 20:26	53-70-3	
Fluoranthene	**<0.011**	ug/L	0.053	0.011	1	08/15/18 09:18	08/15/18 20:26	206-44-0	
Fluorene	**<0.0080**	ug/L	0.040	0.0080	1	08/15/18 09:18	08/15/18 20:26	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.018**	ug/L	0.088	0.018	1	08/15/18 09:18	08/15/18 20:26	193-39-5	
1-Methylnaphthalene	**0.048**	ug/L	0.030	0.0059	1	08/15/18 09:18	08/15/18 20:26	90-12-0	B,L2
2-Methylnaphthalene	**0.026**	ug/L	0.024	0.0049	1	08/15/18 09:18	08/15/18 20:26	91-57-6	B,L2
Naphthalene	**0.065J**	ug/L	0.092	0.018	1	08/15/18 09:18	08/15/18 20:26	91-20-3	B,P2
Phenanthrene	**0.058J**	ug/L	0.069	0.014	1	08/15/18 09:18	08/15/18 20:26	85-01-8	B
Pyrene	**<0.0076**	ug/L	0.038	0.0076	1	08/15/18 09:18	08/15/18 20:26	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	40	%	29-80		1	08/15/18 09:18	08/15/18 20:26	321-60-8	
Terphenyl-d14 (S)	35	%	10-123		1	08/15/18 09:18	08/15/18 20:26	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**3.3**	ug/L	1.0	0.25	1		08/14/18 14:30	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/14/18 14:30	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/14/18 14:30	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/14/18 14:30	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/14/18 14:30	75-25-2	
Bromomethane	**2.4J**	ug/L	5.0	0.97	1		08/14/18 14:30	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/14/18 14:30	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/14/18 14:30	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/14/18 14:30	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/14/18 14:30	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/14/18 14:30	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/14/18 14:30	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/14/18 14:30	67-66-3	
Chloromethane	**44.6**	ug/L	7.3	2.2	1		08/14/18 14:30	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/14/18 14:30	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/14/18 14:30	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/14/18 14:30	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/14/18 14:30	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/14/18 14:30	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/14/18 14:30	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/14/18 14:30	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/14/18 14:30	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/14/18 14:30	106-46-7	

REPORT OF LABORATORY ANALYSIS

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

Project: 60578411 704 75TH STREET
Pace Project No.: 40173932

Sample: MW-2 **Lab ID: 40173932003** Collected: 08/09/18 10:50 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/14/18 14:30	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/14/18 14:30	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/14/18 14:30	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/14/18 14:30	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		08/14/18 14:30	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/14/18 14:30	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/14/18 14:30	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/14/18 14:30	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/14/18 14:30	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/14/18 14:30	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/14/18 14:30	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/14/18 14:30	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/14/18 14:30	108-20-3	
Ethylbenzene	**4.8**	ug/L	1.0	0.22	1		08/14/18 14:30	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/14/18 14:30	87-68-3	
Isopropylbenzene (Cumene)	**2.1J**	ug/L	2.7	0.39	1		08/14/18 14:30	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/14/18 14:30	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/14/18 14:30	75-09-2	
Methyl-tert-butyl ether	**17.4**	ug/L	4.2	1.2	1		08/14/18 14:30	1634-04-4	
Naphthalene	**3.0J**	ug/L	5.0	1.2	1		08/14/18 14:30	91-20-3	
n-Propylbenzene	**1.2J**	ug/L	5.0	0.81	1		08/14/18 14:30	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/14/18 14:30	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/14/18 14:30	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/14/18 14:30	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		08/14/18 14:30	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/14/18 14:30	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/14/18 14:30	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/14/18 14:30	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/14/18 14:30	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/14/18 14:30	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/14/18 14:30	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/14/18 14:30	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/14/18 14:30	96-18-4	
1,2,4-Trimethylbenzene	**8.2**	ug/L	2.8	0.84	1		08/14/18 14:30	95-63-6	
1,3,5-Trimethylbenzene	**1.5J**	ug/L	2.9	0.87	1		08/14/18 14:30	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/14/18 14:30	75-01-4	
Xylene (Total)	**6.4**	ug/L	3.0	1.5	1		08/14/18 14:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		08/14/18 14:30	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		08/14/18 14:30	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		08/14/18 14:30	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: 60578411 704 75TH STREET
Pace Project No.: 40173932

Sample: MW-3 **Lab ID: 40173932004** Collected: 08/09/18 11:05 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Acenaphthene	**<0.0061**	ug/L	0.030	0.0061	1	08/15/18 09:18	08/15/18 13:26	83-32-9	L2
Acenaphthylene	**<0.0050**	ug/L	0.025	0.0050	1	08/15/18 09:18	08/15/18 13:26	208-96-8	
Anthracene	**<0.010**	ug/L	0.052	0.010	1	08/15/18 09:18	08/15/18 13:26	120-12-7	
Benzo(a)anthracene	**<0.0076**	ug/L	0.038	0.0076	1	08/15/18 09:18	08/15/18 13:26	56-55-3	
Benzo(a)pyrene	**<0.011**	ug/L	0.053	0.011	1	08/15/18 09:18	08/15/18 13:26	50-32-8	
Benzo(b)fluoranthene	**<0.0057**	ug/L	0.029	0.0057	1	08/15/18 09:18	08/15/18 13:26	205-99-2	
Benzo(g,h,i)perylene	**<0.0068**	ug/L	0.034	0.0068	1	08/15/18 09:18	08/15/18 13:26	191-24-2	
Benzo(k)fluoranthene	**<0.0076**	ug/L	0.038	0.0076	1	08/15/18 09:18	08/15/18 13:26	207-08-9	
Chrysene	**<0.013**	ug/L	0.065	0.013	1	08/15/18 09:18	08/15/18 13:26	218-01-9	
Dibenz(a,h)anthracene	**<0.010**	ug/L	0.050	0.010	1	08/15/18 09:18	08/15/18 13:26	53-70-3	
Fluoranthene	**<0.011**	ug/L	0.053	0.011	1	08/15/18 09:18	08/15/18 13:26	206-44-0	
Fluorene	**<0.0080**	ug/L	0.040	0.0080	1	08/15/18 09:18	08/15/18 13:26	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.018**	ug/L	0.088	0.018	1	08/15/18 09:18	08/15/18 13:26	193-39-5	
1-Methylnaphthalene	**<0.0059**	ug/L	0.030	0.0059	1	08/15/18 09:18	08/15/18 13:26	90-12-0	L2
2-Methylnaphthalene	**<0.0049**	ug/L	0.024	0.0049	1	08/15/18 09:18	08/15/18 13:26	91-57-6	L2
Naphthalene	**<0.018**	ug/L	0.092	0.018	1	08/15/18 09:18	08/15/18 13:26	91-20-3	P2
Phenanthrene	**0.014J**	ug/L	0.069	0.014	1	08/15/18 09:18	08/15/18 13:26	85-01-8	B
Pyrene	**<0.0076**	ug/L	0.038	0.0076	1	08/15/18 09:18	08/15/18 13:26	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	43	%	29-80		1	08/15/18 09:18	08/15/18 13:26	321-60-8	
Terphenyl-d14 (S)	55	%	10-123		1	08/15/18 09:18	08/15/18 13:26	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/14/18 18:36	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/14/18 18:36	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/14/18 18:36	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/14/18 18:36	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/14/18 18:36	75-25-2	
Bromomethane	**2.4J**	ug/L	5.0	0.97	1		08/14/18 18:36	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/14/18 18:36	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/14/18 18:36	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/14/18 18:36	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/14/18 18:36	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/14/18 18:36	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/14/18 18:36	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		08/14/18 18:36	67-66-3	
Chloromethane	**39.1**	ug/L	7.3	2.2	1		08/14/18 18:36	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/14/18 18:36	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/14/18 18:36	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/14/18 18:36	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/14/18 18:36	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/14/18 18:36	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/14/18 18:36	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/14/18 18:36	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/14/18 18:36	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/14/18 18:36	106-46-7	

REPORT OF LABORATORY ANALYSIS

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

Project: 60578411 704 75TH STREET
Pace Project No.: 40173932

Sample: MW-3 **Lab ID: 40173932004** Collected: 08/09/18 11:05 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/14/18 18:36	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/14/18 18:36	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/14/18 18:36	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/14/18 18:36	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		08/14/18 18:36	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/14/18 18:36	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/14/18 18:36	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/14/18 18:36	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/14/18 18:36	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/14/18 18:36	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/14/18 18:36	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/14/18 18:36	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/14/18 18:36	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/14/18 18:36	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/14/18 18:36	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	2.7	0.39	1		08/14/18 18:36	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/14/18 18:36	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/14/18 18:36	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/14/18 18:36	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/14/18 18:36	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/14/18 18:36	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/14/18 18:36	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/14/18 18:36	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/14/18 18:36	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		08/14/18 18:36	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/14/18 18:36	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/14/18 18:36	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/14/18 18:36	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/14/18 18:36	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/14/18 18:36	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/14/18 18:36	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/14/18 18:36	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/14/18 18:36	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/14/18 18:36	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/14/18 18:36	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/14/18 18:36	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		08/14/18 18:36	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		08/14/18 18:36	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		08/14/18 18:36	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		08/14/18 18:36	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: 60578411 704 75TH STREET
Pace Project No.: 40173932

Sample: MW-4 **Lab ID: 40173932005** Collected: 08/09/18 11:20 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Acenaphthene	**<0.0056**	ug/L	0.028	0.0056	1	08/15/18 09:18	08/15/18 13:44	83-32-9	L2
Acenaphthylene	**<0.0046**	ug/L	0.023	0.0046	1	08/15/18 09:18	08/15/18 13:44	208-96-8	
Anthracene	**<0.0097**	ug/L	0.048	0.0097	1	08/15/18 09:18	08/15/18 13:44	120-12-7	
Benzo(a)anthracene	**<0.0070**	ug/L	0.035	0.0070	1	08/15/18 09:18	08/15/18 13:44	56-55-3	
Benzo(a)pyrene	**<0.0098**	ug/L	0.049	0.0098	1	08/15/18 09:18	08/15/18 13:44	50-32-8	
Benzo(b)fluoranthene	**<0.0053**	ug/L	0.027	0.0053	1	08/15/18 09:18	08/15/18 13:44	205-99-2	
Benzo(g,h,i)perylene	**<0.0063**	ug/L	0.031	0.0063	1	08/15/18 09:18	08/15/18 13:44	191-24-2	
Benzo(k)fluoranthene	**<0.0070**	ug/L	0.035	0.0070	1	08/15/18 09:18	08/15/18 13:44	207-08-9	
Chrysene	**<0.012**	ug/L	0.060	0.012	1	08/15/18 09:18	08/15/18 13:44	218-01-9	
Dibenz(a,h)anthracene	**<0.0093**	ug/L	0.046	0.0093	1	08/15/18 09:18	08/15/18 13:44	53-70-3	
Fluoranthene	**<0.0099**	ug/L	0.049	0.0099	1	08/15/18 09:18	08/15/18 13:44	206-44-0	
Fluorene	**<0.0074**	ug/L	0.037	0.0074	1	08/15/18 09:18	08/15/18 13:44	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.016**	ug/L	0.082	0.016	1	08/15/18 09:18	08/15/18 13:44	193-39-5	
1-Methylnaphthalene	**<0.0055**	ug/L	0.027	0.0055	1	08/15/18 09:18	08/15/18 13:44	90-12-0	L2
2-Methylnaphthalene	**<0.0045**	ug/L	0.023	0.0045	1	08/15/18 09:18	08/15/18 13:44	91-57-6	L2
Naphthalene	**<0.017**	ug/L	0.085	0.017	1	08/15/18 09:18	08/15/18 13:44	91-20-3	P2
Phenanthrene	**<0.013**	ug/L	0.064	0.013	1	08/15/18 09:18	08/15/18 13:44	85-01-8	
Pyrene	**<0.0071**	ug/L	0.035	0.0071	1	08/15/18 09:18	08/15/18 13:44	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	43	%	29-80		1	08/15/18 09:18	08/15/18 13:44	321-60-8	
Terphenyl-d14 (S)	38	%	10-123		1	08/15/18 09:18	08/15/18 13:44	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/15/18 14:53	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/15/18 14:53	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/15/18 14:53	74-97-5	
Bromodichloromethane	**0.58J**	ug/L	1.2	0.36	1		08/15/18 14:53	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/15/18 14:53	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		08/15/18 14:53	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/15/18 14:53	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/15/18 14:53	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/15/18 14:53	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/15/18 14:53	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/15/18 14:53	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/15/18 14:53	75-00-3	
Chloroform	**3.0J**	ug/L	5.0	1.3	1		08/15/18 14:53	67-66-3	
Chloromethane	**25.5**	ug/L	7.3	2.2	1		08/15/18 14:53	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/15/18 14:53	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/15/18 14:53	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/15/18 14:53	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/15/18 14:53	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/15/18 14:53	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/15/18 14:53	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/15/18 14:53	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/15/18 14:53	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/15/18 14:53	106-46-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173932

Sample: MW-4 **Lab ID: 40173932005** Collected: 08/09/18 11:20 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/15/18 14:53	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/15/18 14:53	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/15/18 14:53	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/15/18 14:53	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		08/15/18 14:53	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/15/18 14:53	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/15/18 14:53	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/15/18 14:53	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/15/18 14:53	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/15/18 14:53	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/15/18 14:53	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/15/18 14:53	10061-02-6	L1
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/15/18 14:53	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/15/18 14:53	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/15/18 14:53	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	2.7	0.39	1		08/15/18 14:53	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/15/18 14:53	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/15/18 14:53	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/15/18 14:53	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/15/18 14:53	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/15/18 14:53	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/15/18 14:53	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/15/18 14:53	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/15/18 14:53	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 14:53	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/15/18 14:53	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/15/18 14:53	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/15/18 14:53	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/15/18 14:53	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/15/18 14:53	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/15/18 14:53	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/15/18 14:53	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/15/18 14:53	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/15/18 14:53	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/15/18 14:53	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/15/18 14:53	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		08/15/18 14:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		08/15/18 14:53	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		08/15/18 14:53	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		08/15/18 14:53	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: 60578411 704 75TH STREET
Pace Project No.: 40173932

Sample: MW-4 DUP **Lab ID: 40173932006** Collected: 08/09/18 11:20 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Acenaphthene	**<0.0059**	ug/L	0.029	0.0059	1	08/15/18 09:18	08/15/18 14:02	83-32-9	L2
Acenaphthylene	**<0.0048**	ug/L	0.024	0.0048	1	08/15/18 09:18	08/15/18 14:02	208-96-8	
Anthracene	**<0.010**	ug/L	0.051	0.010	1	08/15/18 09:18	08/15/18 14:02	120-12-7	
Benzo(a)anthracene	**<0.0073**	ug/L	0.037	0.0073	1	08/15/18 09:18	08/15/18 14:02	56-55-3	
Benzo(a)pyrene	**<0.010**	ug/L	0.051	0.010	1	08/15/18 09:18	08/15/18 14:02	50-32-8	
Benzo(b)fluoranthene	**<0.0056**	ug/L	0.028	0.0056	1	08/15/18 09:18	08/15/18 14:02	205-99-2	
Benzo(g,h,i)perylene	**<0.0066**	ug/L	0.033	0.0066	1	08/15/18 09:18	08/15/18 14:02	191-24-2	
Benzo(k)fluoranthene	**<0.0073**	ug/L	0.037	0.0073	1	08/15/18 09:18	08/15/18 14:02	207-08-9	
Chrysene	**<0.013**	ug/L	0.063	0.013	1	08/15/18 09:18	08/15/18 14:02	218-01-9	
Dibenz(a,h)anthracene	**<0.0097**	ug/L	0.049	0.0097	1	08/15/18 09:18	08/15/18 14:02	53-70-3	
Fluoranthene	**<0.010**	ug/L	0.052	0.010	1	08/15/18 09:18	08/15/18 14:02	206-44-0	
Fluorene	**<0.0077**	ug/L	0.039	0.0077	1	08/15/18 09:18	08/15/18 14:02	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.017**	ug/L	0.086	0.017	1	08/15/18 09:18	08/15/18 14:02	193-39-5	
1-Methylnaphthalene	**<0.0057**	ug/L	0.029	0.0057	1	08/15/18 09:18	08/15/18 14:02	90-12-0	L2
2-Methylnaphthalene	**<0.0048**	ug/L	0.024	0.0048	1	08/15/18 09:18	08/15/18 14:02	91-57-6	L2
Naphthalene	**<0.018**	ug/L	0.089	0.018	1	08/15/18 09:18	08/15/18 14:02	91-20-3	P2
Phenanthrene	**<0.013**	ug/L	0.067	0.013	1	08/15/18 09:18	08/15/18 14:02	85-01-8	
Pyrene	**<0.0074**	ug/L	0.037	0.0074	1	08/15/18 09:18	08/15/18 14:02	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	37	%	29-80		1	08/15/18 09:18	08/15/18 14:02	321-60-8	
Terphenyl-d14 (S)	26	%	10-123		1	08/15/18 09:18	08/15/18 14:02	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		08/15/18 15:14	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		08/15/18 15:14	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/15/18 15:14	74-97-5	
Bromodichloromethane	**0.51J**	ug/L	1.2	0.36	1		08/15/18 15:14	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/15/18 15:14	75-25-2	
Bromomethane	**1.6J**	ug/L	5.0	0.97	1		08/15/18 15:14	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/15/18 15:14	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		08/15/18 15:14	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/15/18 15:14	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		08/15/18 15:14	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/15/18 15:14	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		08/15/18 15:14	75-00-3	
Chloroform	**3.0J**	ug/L	5.0	1.3	1		08/15/18 15:14	67-66-3	
Chloromethane	**71.2**	ug/L	7.3	2.2	1		08/15/18 15:14	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		08/15/18 15:14	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/15/18 15:14	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/15/18 15:14	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/15/18 15:14	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/15/18 15:14	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/15/18 15:14	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/15/18 15:14	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/15/18 15:14	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/15/18 15:14	106-46-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40173932

Sample: MW-4 DUP **Lab ID: 40173932006** Collected: 08/09/18 11:20 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		08/15/18 15:14	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		08/15/18 15:14	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		08/15/18 15:14	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		08/15/18 15:14	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		08/15/18 15:14	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/15/18 15:14	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		08/15/18 15:14	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/15/18 15:14	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/15/18 15:14	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/15/18 15:14	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/15/18 15:14	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/15/18 15:14	10061-02-6	L1
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/15/18 15:14	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		08/15/18 15:14	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		08/15/18 15:14	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	2.7	0.39	1		08/15/18 15:14	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/15/18 15:14	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		08/15/18 15:14	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/15/18 15:14	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		08/15/18 15:14	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		08/15/18 15:14	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/15/18 15:14	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		08/15/18 15:14	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		08/15/18 15:14	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		08/15/18 15:14	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		08/15/18 15:14	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		08/15/18 15:14	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/15/18 15:14	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/15/18 15:14	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		08/15/18 15:14	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/15/18 15:14	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		08/15/18 15:14	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		08/15/18 15:14	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/15/18 15:14	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/15/18 15:14	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/15/18 15:14	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		08/15/18 15:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		08/15/18 15:14	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		08/15/18 15:14	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		08/15/18 15:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40173932

QC Batch: 297023 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40173932001, 40173932002, 40173932003, 40173932004

METHOD BLANK: 1735117 Matrix: Water
Associated Lab Samples: 40173932001, 40173932002, 40173932003, 40173932004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	08/14/18 09:16	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	08/14/18 09:16	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	08/14/18 09:16	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	08/14/18 09:16	
1,1-Dichloroethane	ug/L	<0.27	1.0	08/14/18 09:16	
1,1-Dichloroethene	ug/L	<0.24	1.0	08/14/18 09:16	
1,1-Dichloropropene	ug/L	<0.54	1.8	08/14/18 09:16	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	08/14/18 09:16	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	08/14/18 09:16	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	08/14/18 09:16	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	08/14/18 09:16	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	08/14/18 09:16	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	08/14/18 09:16	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	08/14/18 09:16	
1,2-Dichloroethane	ug/L	<0.28	1.0	08/14/18 09:16	
1,2-Dichloropropane	ug/L	<0.28	1.0	08/14/18 09:16	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	08/14/18 09:16	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	08/14/18 09:16	
1,3-Dichloropropane	ug/L	<0.83	2.8	08/14/18 09:16	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	08/14/18 09:16	
2,2-Dichloropropane	ug/L	<2.3	7.6	08/14/18 09:16	
2-Chlorotoluene	ug/L	<0.93	5.0	08/14/18 09:16	
4-Chlorotoluene	ug/L	<0.76	2.5	08/14/18 09:16	
Benzene	ug/L	<0.25	1.0	08/14/18 09:16	
Bromobenzene	ug/L	<0.24	1.0	08/14/18 09:16	
Bromochloromethane	ug/L	<0.36	5.0	08/14/18 09:16	
Bromodichloromethane	ug/L	<0.36	1.2	08/14/18 09:16	
Bromoform	ug/L	<4.0	13.2	08/14/18 09:16	
Bromomethane	ug/L	<0.97	5.0	08/14/18 09:16	
Carbon tetrachloride	ug/L	<0.17	1.0	08/14/18 09:16	
Chlorobenzene	ug/L	<0.71	2.4	08/14/18 09:16	
Chloroethane	ug/L	<1.3	5.0	08/14/18 09:16	
Chloroform	ug/L	<1.3	5.0	08/14/18 09:16	
Chloromethane	ug/L	<2.2	7.3	08/14/18 09:16	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	08/14/18 09:16	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	08/14/18 09:16	
Dibromochloromethane	ug/L	<2.6	8.7	08/14/18 09:16	
Dibromomethane	ug/L	<0.94	3.1	08/14/18 09:16	
Dichlorodifluoromethane	ug/L	<0.50	5.0	08/14/18 09:16	
Diisopropyl ether	ug/L	<1.9	6.3	08/14/18 09:16	
Ethylbenzene	ug/L	<0.22	1.0	08/14/18 09:16	

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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: 60578411 704 75TH STREET
Pace Project No.: 40173932

METHOD BLANK: 1735117 Matrix: Water
Associated Lab Samples: 40173932001, 40173932002, 40173932003, 40173932004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	08/14/18 09:16	
Isopropylbenzene (Cumene)	ug/L	<0.39	2.7	08/14/18 09:16	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	08/14/18 09:16	
Methylene Chloride	ug/L	<0.58	5.0	08/14/18 09:16	
n-Butylbenzene	ug/L	<0.71	2.4	08/14/18 09:16	
n-Propylbenzene	ug/L	<0.81	5.0	08/14/18 09:16	
Naphthalene	ug/L	<1.2	5.0	08/14/18 09:16	
p-Isopropyltoluene	ug/L	<0.80	2.7	08/14/18 09:16	
sec-Butylbenzene	ug/L	<0.85	5.0	08/14/18 09:16	
Styrene	ug/L	<0.47	1.6	08/14/18 09:16	
tert-Butylbenzene	ug/L	<0.30	1.0	08/14/18 09:16	
Tetrachloroethene	ug/L	<0.33	1.1	08/14/18 09:16	
Toluene	ug/L	<0.17	5.0	08/14/18 09:16	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	08/14/18 09:16	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	08/14/18 09:16	
Trichloroethene	ug/L	<0.26	1.0	08/14/18 09:16	
Trichlorofluoromethane	ug/L	<0.21	1.0	08/14/18 09:16	
Vinyl chloride	ug/L	<0.17	1.0	08/14/18 09:16	
Xylene (Total)	ug/L	<1.5	3.0	08/14/18 09:16	
4-Bromofluorobenzene (S)	%	88	70-130	08/14/18 09:16	
Dibromofluoromethane (S)	%	108	70-130	08/14/18 09:16	
Toluene-d8 (S)	%	99	70-130	08/14/18 09:16	

LABORATORY CONTROL SAMPLE: 1735118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.9	109	70-133	
1,1,2,2-Tetrachloroethane	ug/L	20	20.7	103	67-130	
1,1,2-Trichloroethane	ug/L	20	21.1	106	70-130	
1,1-Dichloroethane	ug/L	20	23.6	118	70-134	
1,1-Dichloroethene	ug/L	20	22.4	112	75-132	
1,2,4-Trichlorobenzene	ug/L	20	16.7	84	68-130	
1,2-Dibromo-3-chloropropane	ug/L	20	17.9	89	60-126	
1,2-Dibromoethane (EDB)	ug/L	20	19.8	99	70-130	
1,2-Dichlorobenzene	ug/L	20	19.8	99	70-130	
1,2-Dichloroethane	ug/L	20	21.4	107	73-134	
1,2-Dichloropropane	ug/L	20	21.6	108	79-128	
1,3-Dichlorobenzene	ug/L	20	18.6	93	70-130	
1,4-Dichlorobenzene	ug/L	20	20.1	101	70-130	
Benzene	ug/L	20	20.6	103	69-137	
Bromodichloromethane	ug/L	20	20.6	103	70-130	
Bromoform	ug/L	20	20.7	104	64-133	
Bromomethane	ug/L	20	10.1	51	29-123	
Carbon tetrachloride	ug/L	20	22.0	110	73-142	

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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: 60578411 704 75TH STREET
Pace Project No.: 40173932

LABORATORY CONTROL SAMPLE: 1735118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	20.7	104	70-130	
Chloroethane	ug/L	20	21.0	105	59-133	
Chloroform	ug/L	20	25.4	127	80-129	
Chloromethane	ug/L	20	15.7	78	27-125	
cis-1,2-Dichloroethene	ug/L	20	22.3	112	70-134	
cis-1,3-Dichloropropene	ug/L	20	19.4	97	70-130	
Dibromochloromethane	ug/L	20	20.1	100	70-130	
Dichlorodifluoromethane	ug/L	20	10.6	53	12-127	
Ethylbenzene	ug/L	20	20.1	101	86-127	
Isopropylbenzene (Cumene)	ug/L	20	19.4	97	70-130	
Methyl-tert-butyl ether	ug/L	20	19.8	99	65-136	
Methylene Chloride	ug/L	20	22.1	111	72-133	
Styrene	ug/L	20	20.4	102	70-130	
Tetrachloroethene	ug/L	20	20.5	103	70-130	
Toluene	ug/L	20	20.8	104	84-124	
trans-1,2-Dichloroethene	ug/L	20	22.8	114	70-133	
trans-1,3-Dichloropropene	ug/L	20	20.4	102	67-130	
Trichloroethene	ug/L	20	21.2	106	70-130	
Trichlorofluoromethane	ug/L	20	23.2	116	69-147	
Vinyl chloride	ug/L	20	19.0	95	48-134	
Xylene (Total)	ug/L	60	62.1	104	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			105	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1735317 1735318

Parameter	Units	40173924004 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	<20.0	50	50	53.6	53.1	107	106	70-136	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<20.0	50	50	49.4	51.8	99	104	67-133	5	20	
1,1,2-Trichloroethane	ug/L	<100	50	50	51.9	51.8	104	104	70-130	0	20	
1,1-Dichloroethane	ug/L	<20.0	50	50	55.7	51.0	111	102	70-139	9	20	
1,1-Dichloroethene	ug/L	<20.0	50	50	54.2	50.5	108	101	72-137	7	20	
1,2,4-Trichlorobenzene	ug/L	<100	50	50	55.1	53.5	110	107	68-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<118	50	50	59.1	60.6	118	121	60-130	3	21	
1,2-Dibromoethane (EDB)	ug/L	<55.3	50	50	51.7	51.9	103	104	70-130	0	20	
1,2-Dichlorobenzene	ug/L	<47.0	50	50	52.8	51.9	106	104	70-130	2	20	
1,2-Dichloroethane	ug/L	<20.0	50	50	49.7	48.1	99	96	71-137	3	20	
1,2-Dichloropropane	ug/L	<20.0	50	50	51.4	51.7	103	103	78-130	1	20	
1,3-Dichlorobenzene	ug/L	<41.9	50	50	50.1	50.6	100	101	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<62.9	50	50	48.4	48.5	97	97	70-130	0	20	
Benzene	ug/L	2720	50	50	2090	1670	-1270	-2110	66-143	22	20	E,M1, R1
Bromodichloromethane	ug/L	<24.2	50	50	51.3	50.7	103	101	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: 60578411 704 75TH STREET
Pace Project No.: 40173932

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1735317 1735318

Parameter	Units	40173924004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromoform	ug/L	<265	50	50	48.7	47.0	97	94	64-134	4	20	
Bromomethane	ug/L	<100	50	50	23.7	22.5	47	45	29-136	5	25	
Carbon tetrachloride	ug/L	<20.0	50	50	54.3	52.0	109	104	73-142	4	20	
Chlorobenzene	ug/L	<47.4	50	50	51.2	50.3	102	101	70-130	2	20	
Chloroethane	ug/L	<100	50	50	50.7	46.2	101	92	58-138	9	20	
Chloroform	ug/L	<100	50	50	58.7	48.7	104	84	80-131	18	20	
Chloromethane	ug/L	<146	50	50	36.7	34.3	73	69	24-125	7	20	
cis-1,2-Dichloroethene	ug/L	<20.0	50	50	53.6	50.1	107	100	68-137	7	22	
cis-1,3-Dichloropropene	ug/L	<242	50	50	55.6	57.2	111	114	70-130	3	20	
Dibromochloromethane	ug/L	<173	50	50	52.0	51.4	104	103	70-131	1	20	
Dichlorodifluoromethane	ug/L	<100	50	50	25.6	24.9	51	50	10-127	2	20	
Ethylbenzene	ug/L	531	50	50	873	816	683	569	81-136	7	20	E,M1
Isopropylbenzene (Cumene)	ug/L	<53.3	50	50	76.0	72.8	76	70	70-132	4	20	
Methyl-tert-butyl ether	ug/L	<83.1	50	50	50.0	48.6	100	97	58-142	3	23	
Methylene Chloride	ug/L	<100	50	50	50.3	42.9	101	86	69-137	16	20	
Styrene	ug/L	<31.0	50	50	53.4	51.2	107	102	70-130	4	20	
Tetrachloroethene	ug/L	<21.8	50	50	50.7	49.6	101	99	70-132	2	20	
Toluene	ug/L	<100	50	50	56.7	56.9	104	104	81-130	0	20	
trans-1,2-Dichloroethene	ug/L	<72.7	50	50	55.0	50.2	110	100	70-136	9	20	
trans-1,3-Dichloropropene	ug/L	<291	50	50	48.5	49.4	97	99	67-130	2	20	
Trichloroethene	ug/L	<20.0	50	50	52.5	52.3	105	105	70-131	0	20	
Trichlorofluoromethane	ug/L	<20.0	50	50	53.9	47.7	108	95	66-150	12	20	
Vinyl chloride	ug/L	<20.0	50	50	48.6	44.1	97	88	46-134	10	20	
Xylene (Total)	ug/L	1150	150	150	2220	1970	712	547	70-134	12	20	ES,MS
4-Bromofluorobenzene (S)	%						103	101	70-130			
Dibromofluoromethane (S)	%						101	100	70-130			
Toluene-d8 (S)	%						99	100	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: 60578411 704 75TH STREET
Pace Project No.: 40173932

QC Batch: 297235 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40173932005, 40173932006

METHOD BLANK: 1735827 Matrix: Water
Associated Lab Samples: 40173932005, 40173932006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	08/15/18 08:48	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	08/15/18 08:48	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	08/15/18 08:48	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	08/15/18 08:48	
1,1-Dichloroethane	ug/L	<0.27	1.0	08/15/18 08:48	
1,1-Dichloroethene	ug/L	<0.24	1.0	08/15/18 08:48	
1,1-Dichloropropene	ug/L	<0.54	1.8	08/15/18 08:48	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	08/15/18 08:48	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	08/15/18 08:48	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	08/15/18 08:48	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	08/15/18 08:48	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	08/15/18 08:48	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	08/15/18 08:48	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	08/15/18 08:48	
1,2-Dichloroethane	ug/L	<0.28	1.0	08/15/18 08:48	
1,2-Dichloropropane	ug/L	<0.28	1.0	08/15/18 08:48	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	08/15/18 08:48	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	08/15/18 08:48	
1,3-Dichloropropane	ug/L	<0.83	2.8	08/15/18 08:48	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	08/15/18 08:48	
2,2-Dichloropropane	ug/L	<2.3	7.6	08/15/18 08:48	
2-Chlorotoluene	ug/L	<0.93	5.0	08/15/18 08:48	
4-Chlorotoluene	ug/L	<0.76	2.5	08/15/18 08:48	
Benzene	ug/L	<0.25	1.0	08/15/18 08:48	
Bromobenzene	ug/L	<0.24	1.0	08/15/18 08:48	
Bromochloromethane	ug/L	<0.36	5.0	08/15/18 08:48	
Bromodichloromethane	ug/L	<0.36	1.2	08/15/18 08:48	
Bromoform	ug/L	<4.0	13.2	08/15/18 08:48	
Bromomethane	ug/L	<0.97	5.0	08/15/18 08:48	
Carbon tetrachloride	ug/L	<0.17	1.0	08/15/18 08:48	
Chlorobenzene	ug/L	<0.71	2.4	08/15/18 08:48	
Chloroethane	ug/L	<1.3	5.0	08/15/18 08:48	
Chloroform	ug/L	<1.3	5.0	08/15/18 08:48	
Chloromethane	ug/L	<2.2	7.3	08/15/18 08:48	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	08/15/18 08:48	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	08/15/18 08:48	
Dibromochloromethane	ug/L	<2.6	8.7	08/15/18 08:48	
Dibromomethane	ug/L	<0.94	3.1	08/15/18 08:48	
Dichlorodifluoromethane	ug/L	<0.50	5.0	08/15/18 08:48	
Diisopropyl ether	ug/L	<1.9	6.3	08/15/18 08:48	
Ethylbenzene	ug/L	<0.22	1.0	08/15/18 08:48	

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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: 60578411 704 75TH STREET
Pace Project No.: 40173932

METHOD BLANK: 1735827 Matrix: Water
Associated Lab Samples: 40173932005, 40173932006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	08/15/18 08:48	
Isopropylbenzene (Cumene)	ug/L	<0.39	2.7	08/15/18 08:48	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	08/15/18 08:48	
Methylene Chloride	ug/L	<0.58	5.0	08/15/18 08:48	
n-Butylbenzene	ug/L	<0.71	2.4	08/15/18 08:48	
n-Propylbenzene	ug/L	<0.81	5.0	08/15/18 08:48	
Naphthalene	ug/L	<1.2	5.0	08/15/18 08:48	
p-Isopropyltoluene	ug/L	<0.80	2.7	08/15/18 08:48	
sec-Butylbenzene	ug/L	<0.85	5.0	08/15/18 08:48	
Styrene	ug/L	<0.47	1.6	08/15/18 08:48	
tert-Butylbenzene	ug/L	<0.30	1.0	08/15/18 08:48	
Tetrachloroethene	ug/L	<0.33	1.1	08/15/18 08:48	
Toluene	ug/L	<0.17	5.0	08/15/18 08:48	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	08/15/18 08:48	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	08/15/18 08:48	
Trichloroethene	ug/L	<0.26	1.0	08/15/18 08:48	
Trichlorofluoromethane	ug/L	<0.21	1.0	08/15/18 08:48	
Vinyl chloride	ug/L	<0.17	1.0	08/15/18 08:48	
Xylene (Total)	ug/L	<1.5	3.0	08/15/18 08:48	
4-Bromofluorobenzene (S)	%	92	70-130	08/15/18 08:48	
Dibromofluoromethane (S)	%	98	70-130	08/15/18 08:48	
Toluene-d8 (S)	%	101	70-130	08/15/18 08:48	

LABORATORY CONTROL SAMPLE: 1735828

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.0	106	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	56.7	113	67-130	
1,1,2-Trichloroethane	ug/L	50	58.0	116	70-130	
1,1-Dichloroethane	ug/L	50	50.0	100	70-134	
1,1-Dichloroethene	ug/L	50	50.1	100	75-132	
1,2,4-Trichlorobenzene	ug/L	50	53.9	108	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	57.8	116	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	54.1	108	70-130	
1,2-Dichlorobenzene	ug/L	50	53.8	108	70-130	
1,2-Dichloroethane	ug/L	50	54.5	109	73-134	
1,2-Dichloropropane	ug/L	50	56.4	113	79-128	
1,3-Dichlorobenzene	ug/L	50	52.5	105	70-130	
1,4-Dichlorobenzene	ug/L	50	53.6	107	70-130	
Benzene	ug/L	50	54.4	109	69-137	
Bromodichloromethane	ug/L	50	55.3	111	70-130	
Bromoform	ug/L	50	50.1	100	64-133	
Bromomethane	ug/L	50	32.7	65	29-123	
Carbon tetrachloride	ug/L	50	54.0	108	73-142	

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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: 60578411 704 75TH STREET
Pace Project No.: 40173932

LABORATORY CONTROL SAMPLE: 1735828

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	50	54.0	108	70-130	
Chloroethane	ug/L	50	44.4	89	59-133	
Chloroform	ug/L	50	53.8	108	80-129	
Chloromethane	ug/L	50	35.0	70	27-125	
cis-1,2-Dichloroethene	ug/L	50	53.6	107	70-134	
cis-1,3-Dichloropropene	ug/L	50	57.2	114	70-130	
Dibromochloromethane	ug/L	50	54.4	109	70-130	
Dichlorodifluoromethane	ug/L	50	23.0	46	12-127	
Ethylbenzene	ug/L	50	58.0	116	86-127	
Isopropylbenzene (Cumene)	ug/L	50	58.9	118	70-130	
Methyl-tert-butyl ether	ug/L	50	46.5	93	65-136	
Methylene Chloride	ug/L	50	46.9	94	72-133	
Styrene	ug/L	50	58.1	116	70-130	
Tetrachloroethene	ug/L	50	52.8	106	70-130	
Toluene	ug/L	50	54.9	110	84-124	
trans-1,2-Dichloroethene	ug/L	50	49.7	99	70-133	
trans-1,3-Dichloropropene	ug/L	50	65.3	131	67-130	L1
Trichloroethene	ug/L	50	55.0	110	70-130	
Trichlorofluoromethane	ug/L	50	51.7	103	69-147	
Vinyl chloride	ug/L	50	44.2	88	48-134	
Xylene (Total)	ug/L	150	170	113	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1735888 1735889

Parameter	Units	40174012004 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	50.8	50.9	102	102	70-136	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	54.2	55.5	108	111	67-133	2	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	55.2	54.4	110	109	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	47.9	47.8	96	96	70-139	0	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	48.6	49.0	97	98	72-137	1	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	51.5	52.3	103	104	68-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	53.0	55.4	106	111	60-130	4	21	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	51.3	51.6	103	103	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.2	52.1	102	104	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	51.7	51.9	103	104	71-137	0	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	55.7	53.2	111	106	78-130	5	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50.8	52.2	102	104	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	51.1	52.3	102	105	70-130	2	20	
Benzene	ug/L	<0.25	50	50	52.0	52.7	104	105	66-143	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	52.3	52.2	105	104	70-130	0	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: 60578411 704 75TH STREET
Pace Project No.: 40173932

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1735888 1735889

Parameter	Units	40174012004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromoform	ug/L	<4.0	50	50	47.4	47.3	95	95	64-134	0	20	
Bromomethane	ug/L	<0.97	50	50	33.3	35.7	67	71	29-136	7	25	
Carbon tetrachloride	ug/L	<0.17	50	50	51.0	51.3	102	103	73-142	1	20	
Chlorobenzene	ug/L	<0.71	50	50	51.9	52.8	104	106	70-130	2	20	
Chloroethane	ug/L	<1.3	50	50	42.2	44.3	84	89	58-138	5	20	
Chloroform	ug/L	<1.3	50	50	51.5	52.0	103	104	80-131	1	20	
Chloromethane	ug/L	<2.2	50	50	34.5	36.7	69	73	24-125	6	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	51.8	51.7	104	103	68-137	0	22	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	54.1	53.4	108	107	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	51.6	51.0	103	102	70-131	1	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	22.4	23.4	45	47	10-127	4	20	
Ethylbenzene	ug/L	<0.22	50	50	55.9	55.4	112	111	81-136	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	56.8	57.3	114	115	70-132	1	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	43.9	44.1	88	88	58-142	0	23	
Methylene Chloride	ug/L	<0.58	50	50	45.9	47.5	92	95	69-137	3	20	
Styrene	ug/L	<0.47	50	50	55.6	55.8	111	112	70-130	1	20	
Tetrachloroethene	ug/L	<0.33	50	50	51.0	51.1	102	102	70-132	0	20	
Toluene	ug/L	<0.17	50	50	53.6	54.0	107	108	81-130	1	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	48.8	48.1	98	96	70-136	2	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	62.6	62.3	125	125	67-130	1	20	
Trichloroethene	ug/L	<0.26	50	50	53.2	52.4	106	105	70-131	2	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	49.7	50.1	99	100	66-150	1	20	
Vinyl chloride	ug/L	<0.17	50	50	40.6	43.0	81	86	46-134	6	20	
Xylene (Total)	ug/L	<1.5	150	150	164	165	109	110	70-134	1	20	
4-Bromofluorobenzene (S)	%						99	98	70-130			
Dibromofluoromethane (S)	%						100	96	70-130			
Toluene-d8 (S)	%						101	102	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: 60578411 704 75TH STREET
Pace Project No.: 40173932

QC Batch: 297263 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40173932002, 40173932003, 40173932004, 40173932005, 40173932006

METHOD BLANK: 1735894 Matrix: Water
Associated Lab Samples: 40173932002, 40173932003, 40173932004, 40173932005, 40173932006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.015J	0.030	08/15/18 11:37	
2-Methylnaphthalene	ug/L	0.0098J	0.024	08/15/18 11:37	
Acenaphthene	ug/L	<0.0061	0.030	08/15/18 11:37	
Acenaphthylene	ug/L	<0.0050	0.025	08/15/18 11:37	
Anthracene	ug/L	<0.010	0.052	08/15/18 11:37	
Benzo(a)anthracene	ug/L	<0.0076	0.038	08/15/18 11:37	
Benzo(a)pyrene	ug/L	<0.011	0.053	08/15/18 11:37	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	08/15/18 11:37	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	08/15/18 11:37	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	08/15/18 11:37	
Chrysene	ug/L	<0.013	0.065	08/15/18 11:37	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	08/15/18 11:37	
Fluoranthene	ug/L	<0.011	0.053	08/15/18 11:37	
Fluorene	ug/L	<0.0080	0.040	08/15/18 11:37	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	08/15/18 11:37	
Naphthalene	ug/L	<0.018	0.092	08/15/18 11:37	
Phenanthrene	ug/L	<0.014	0.069	08/15/18 11:37	
Pyrene	ug/L	<0.0076	0.038	08/15/18 11:37	
2-Fluorobiphenyl (S)	%	49	29-80	08/15/18 11:37	
Terphenyl-d14 (S)	%	84	10-123	08/15/18 11:37	

METHOD BLANK: 1735897 Matrix: Water
Associated Lab Samples: 40173932002, 40173932003, 40173932004, 40173932005, 40173932006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.030	0.15	08/15/18 11:55	
2-Methylnaphthalene	ug/L	<0.024	0.12	08/15/18 11:55	
Acenaphthene	ug/L	<0.030	0.15	08/15/18 11:55	
Acenaphthylene	ug/L	<0.025	0.12	08/15/18 11:55	
Anthracene	ug/L	<0.052	0.26	08/15/18 11:55	
Benzo(a)anthracene	ug/L	<0.038	0.19	08/15/18 11:55	
Benzo(a)pyrene	ug/L	<0.053	0.26	08/15/18 11:55	
Benzo(b)fluoranthene	ug/L	<0.029	0.14	08/15/18 11:55	
Benzo(g,h,i)perylene	ug/L	<0.034	0.17	08/15/18 11:55	
Benzo(k)fluoranthene	ug/L	<0.038	0.19	08/15/18 11:55	
Chrysene	ug/L	<0.065	0.33	08/15/18 11:55	
Dibenz(a,h)anthracene	ug/L	<0.050	0.25	08/15/18 11:55	
Fluoranthene	ug/L	<0.053	0.27	08/15/18 11:55	
Fluorene	ug/L	<0.040	0.20	08/15/18 11:55	

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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: 60578411 704 75TH STREET
Pace Project No.: 40173932

METHOD BLANK: 1735897 Matrix: Water
Associated Lab Samples: 40173932002, 40173932003, 40173932004, 40173932005, 40173932006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	<0.088	0.44	08/15/18 11:55	
Naphthalene	ug/L	<0.092	0.46	08/15/18 11:55	
Phenanthrene	ug/L	0.088J	0.34	08/15/18 11:55	
Pyrene	ug/L	<0.038	0.19	08/15/18 11:55	
2-Fluorobiphenyl (S)	%	53	29-80	08/15/18 11:55	
Terphenyl-d14 (S)	%	79	10-123	08/15/18 11:55	

LABORATORY CONTROL SAMPLE & LCSD: 1735895 1735896

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.1	0.95	57	47	50-91	17	20	L2
2-Methylnaphthalene	ug/L	2	1.1	0.93	55	47	48-89	17	20	L2
Acenaphthene	ug/L	2	1.1	0.95	55	47	48-120	15	20	L2
Acenaphthylene	ug/L	2	1.1	0.96	56	48	44-84	15	20	
Anthracene	ug/L	2	1.3	1.1	67	57	57-120	15	27	
Benzo(a)anthracene	ug/L	2	1.5	1.3	75	63	33-108	17	23	
Benzo(a)pyrene	ug/L	2	1.5	1.3	75	64	55-108	15	20	
Benzo(b)fluoranthene	ug/L	2	1.3	1.1	64	56	47-106	14	20	
Benzo(g,h,i)perylene	ug/L	2	0.89	0.87	44	43	20-75	2	33	
Benzo(k)fluoranthene	ug/L	2	1.6	1.4	81	68	50-116	16	22	
Chrysene	ug/L	2	1.8	1.5	89	76	64-140	16	20	
Dibenz(a,h)anthracene	ug/L	2	0.90	0.82	45	41	14-70	9	39	
Fluoranthene	ug/L	2	1.7	1.4	83	72	61-112	14	24	
Fluorene	ug/L	2	1.3	1.1	63	54	53-120	16	21	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.0	0.98	51	49	43-105	5	26	
Naphthalene	ug/L	2	1.0	0.87	51	43	38-90	17	21	
Phenanthrene	ug/L	2	1.5	1.3	74	64	47-105	15	20	
Pyrene	ug/L	2	1.6	1.4	80	69	62-119	15	24	
2-Fluorobiphenyl (S)	%				50	43	29-80			
Terphenyl-d14 (S)	%				80	68	10-123			

MATRIX SPIKE SAMPLE: 1735898

Parameter	Units	40173314026 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	<0.030		5.5			
2-Methylnaphthalene	ug/L	<0.024		5.4			
Acenaphthene	ug/L	<0.030		5.2			
Acenaphthylene	ug/L	<0.025		5.3			
Anthracene	ug/L	<0.052		5.9			
Benzo(a)anthracene	ug/L	<0.038		6.5			
Benzo(a)pyrene	ug/L	<0.053		6.5			
Benzo(b)fluoranthene	ug/L	<0.029		5.5			

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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: 60578411 704 75TH STREET
Pace Project No.: 40173932

MATRIX SPIKE SAMPLE: 1735898

Parameter	Units	40173314026 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzo(g,h,i)perylene	ug/L	<0.034		4.3			
Benzo(k)fluoranthene	ug/L	<0.038		7.2			
Chrysene	ug/L	<0.065		8.0			
Dibenz(a,h)anthracene	ug/L	<0.050		4.5			
Fluoranthene	ug/L	<0.053		7.4			
Fluorene	ug/L	<0.040		5.9			
Indeno(1,2,3-cd)pyrene	ug/L	<0.088		4.9			
Naphthalene	ug/L	<0.092		5.0			
Phenanthrene	ug/L	<0.069		6.7			
Pyrene	ug/L	<0.038		7.2			
2-Fluorobiphenyl (S)	%				47	29-80	
Terphenyl-d14 (S)	%				69	10-123	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 60578411 704 75TH STREET
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DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
ES	The reported result is estimated because one or more of the constituent results are qualified as such.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60578411 704 75TH STREET
Pace Project No.: 40173932

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40173932002	**MW-1**	EPA 3510	297263	EPA 8270 by HVI	297328
40173932003	**MW-2**	EPA 3510	297263	EPA 8270 by HVI	297328
40173932004	**MW-3**	EPA 3510	297263	EPA 8270 by HVI	297328
40173932005	**MW-4**	EPA 3510	297263	EPA 8270 by HVI	297328
40173932006	**MW-4 DUP**	EPA 3510	297263	EPA 8270 by HVI	297328
40173932001	**TRIP BLANK**	EPA 8260	297023		
40173932002	**MW-1**	EPA 8260	297023		
40173932003	**MW-2**	EPA 8260	297023		
40173932004	**MW-3**	EPA 8260	297023		
40173932005	**MW-4**	EPA 8260	297235		
40173932006	**MW-4 DUP**	EPA 8260	297235		

Pace Analytical™
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

40173932

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AECOM - Milw	Report To: Lanette Altenbach	Attention: Accounts Payable/Finance Department
Address: 1555 N. River Center Dr., Suite 214	Copy To:	Company Name: City of Kenosha
Milwaukee, WI 53212		Address: 652 52nd St., Kenosha, WI 53140
Email To: Lanette.Altenbach@aecom.com	Purchase Order No.: N/A	Pace Quote Reference: N/A
Phone: 414-577-1363	Project Name: 704 75th Street	Pace Project Manager: Chris Hyska
Requested Due Date/TAT: Standard	Project Number: 60578411	Pace Profile #: (2430) Kenosha work

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER_____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ ☑ WI ☐ OTHER___

Section D Required Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	CODE	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: VOCs 8260	PAHs 8270sim	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	Trip Blank	001	WT	G	8/9/18	1000	—	—		2									X	X	(N)	
2	MW-1	002				1040				5 2				3					X	X		
3	MW-2	003				1050																
4	MW-3	004				1105																
5	MW-4	005				1120																
6	MW-4-Dup	006				1120																
7																						
8																						
9																						
10																						
11																						
12																						

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Zach Albert / AECOM	8/10/18	0800	Mary Jamin	8/10/18	1200
Mary Jamin	8/10/18	1410			
CSTody 3 Fitz	8/11/18	0945		8/11/18	0945

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
Not	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Zach Albert

SIGNATURE of SAMPLER: Zachary Albert

DATE Signed (MM / DD / YY): 08/09/18

Pace Analytical Services, LLC
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Sample Preservation Receipt Form

Client Name: AECOM Project # 40173932

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A Initial when completed: Date/ Time:

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

	Glass							Plastic							Vials						Jars			General							
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																		2															2.5 / 5 / 10
002					2													3															2.5 / 5 / 10
003					2													3															2.5 / 5 / 10
004					2													3															2.5 / 5 / 10
005					2													3															2.5 / 5 / 10
006					2													3															2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
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016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

Exceptions to preservation check: ~~VOA~~, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : □Yes □No □N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

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: AECOM

Project #: **WO# : 40173932**

40173932

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: Rad I /Corr:

Temp Blank Present: ☐ yes ☒ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 8/11/18
Initials: SSH

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
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. 003 - 1-100mL Log 4 - no time SSH 8/11/18
-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): 402		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 8/13/18