AECOM

Limited Site Investigation Report for the Former Doug's Standard Site

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In conformance with NR 712.09 submittal certification requirements:
"I, Lanette Altenbach, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, 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. NR 700 to 726, Wis. Adm. Code."

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1. Executive Summary

AECOM Technical Services, Inc. (AECOM) conducted a Limited Site Investigation (LSI) under the Wisconsin Assessment Monies (WAM) Contractor Services program for the Former Doug's Standard site (subject property). The subject property is located at 135 Milwaukee Street, Village of Clinton, Rock County, Wisconsin. The property is described as being located in part of the Northwest ¼ of the Southeast ¼ of Section 8, Township 1 North, Range 14 East. The subject property consists of a single parcel approximately 0.185 acre (approximately 8,000 square feet) on a corner lot (southeast corner) at the intersection of East Street with Milwaukee Street.

The purpose of this limited site investigation was to evaluate the degree and extent of TCE at the site. The scope of the site investigation included soil sampling at five locations on the subject property and sampling 11 of the 12 existing wells.

The existing monitoring wells had not been sampled since 2014 and their condition was unknown. Each well was located, evaluated and resurveyed. One monitoring well, MW-4, was found to have been damaged and was abandoned. Groundwater samples were collected from the remaining 11 wells.

Four soil samples were collected from each of the five soil sample location on the site. Fill soil underlain by silty sand over clay were encountered in each boring. PID readings were generally low except at boring SP-1 which encountered residual petroleum-impacts at the water table. TCE was detected above the groundwater pathway RCL in 3 of the 20 samples collected at locations SP-2 (1-2'), SP-4 (20-21'), and SP-5 (20-21'). Higher detection limits were reported for soil sampled from SP-1 because of the elevated concentrations of petroleum VOCs.

Six petroleum-related and three non-petroleum VOC compounds were detected at concentrations above the NR140 PAL or ES. Petroleum related NR140 exceedances included 1,2,4- and 1,3,5- trimethylbenzene, benzene, ethylbenzene, naphthalene, and xylene. CVOCs detected above their respective PAL or ES include 1,2-dichloroethane, cis-1,2-dichloroethene, and TCE. Where TCE was detected in the wells in the east and west side rights-of-way on East Street, concentrations of the analyte exceeded the NR140 PAL and/or ES. TCE detections and exceedances were limited to the wells, and piezometer P-6, located west and southwest of the site, in East Street or the ROW. PAL exceedances occurred at MW-A5 and MWA-6. An analysis of TCE concentrations over time at the 5 monitoring wells (MW-6, MW-A2, MW-A3, MW-A5, MW-A6) indicated an increasing trend only in wells MW-A3 and MW-6.

TCE was not detected in soils at these locations when the wells were installed. TCE concentrations in soil at the Former Doug's Standard are limited to a small area in the middle of the site at two distinct depths. TCE is found in the fill soil between one and four feet bgs and in the sample collected from 20 to 21 feet bgs in clay soil at the bottom of the borings.

Monitoring well A-3 may have a damaged well seal. The monitoring well should be repaired or replaced if continued monitoring is desired or abandoned to prevent surface contamination to groundwater.

2. Introduction & Site Setting

AECOM Technical Services, Inc. (AECOM) conducted a Limited Site Investigation (LSI) under the Wisconsin Assessment Monies (WAM) Contractor Services program at the Former Doug's Standard in Clinton, Wisconsin.

2.1 Site Location

The subject property is located at 135 Milwaukee Street, Village of Clinton, Rock County, Wisconsin (Figure 1). The property is described as being located in part of the Northwest ¼ of the Southeast ¼ of Section 8, Township 1 North, Range 14 East. The subject property consists of a single parcel (Parcel # 6-21-240) totaling approximately 0.185 acre (approximately 8,000 square feet) on a corner lot (southeast corner) at the intersection of East Street with Milwaukee Street. Figure 2 depicts the site layout.

The subject property is located in a mostly residential area of the City. Clinton High School is located approximately 400 feet south of the subject property. Further south is Clinton Elementary School and to the southeast is Clinton Middle School.

The following parties are associated with this LSI:

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2.2 Site Background

The subject property was developed as a "filling station" as depicted on a 1929 Sanborn Fire Insurance map. The site continued to be used as a retail gasoline station through the 1980s after which gasoline was reportedly no longer sold and the buildings were used for auto repair and as a convenience store. The more recent site history taken from recent reports by other consultants is summarized below. Historical groundwater and soil data from previous investigations is included in Appendix A.

In January 1990, Sigma Environmental Services, Inc. (Sigma) conducted an underground storage tank closure assessment at the subject site. Upon removal of the storage tank system, visual inspection of the

tank pits revealed visible and odorous petroleum hydrocarbon impacted soil within the northern excavation. Details of the assessment were presented in the March 9, 1990, Sigma report.

Following observation of impacted soil in the UST excavation, Sigma performed a subsurface investigation in May 1990 to determine the extent of petroleum hydrocarbon impacts from the UST system. Four soil borings were advanced to 20 ft bgs; three borings were converted to groundwater monitoring wells (MW-1, MW-2, and MW-3) for determination of water quality and other hydrogeologic information. All of the samples exhibited elevated levels of petroleum hydrocarbons. Groundwater sample results from all three monitoring wells exceeded the Wisconsin Department of Natural Resources (WDNR) NR140 Enforcement Standards (ESs) at the time for priority pollutant volatile organic compound (PPVOCs). Sigma recommended additional subsurface investigation to determine the extent of contamination within the subsurface environment.

In their additional subsurface assessment activities conducted in June 1991, Sigma advanced ten soil borings; nine of the borings were completed as monitoring wells. Soil and groundwater samples were collected. Petroleum hydrocarbon impacts were identified in soil samples from each of the 10 soil borings; groundwater impacts were observed in six of the nine monitoring wells. In addition to petroleum impacts, chlorinated VOCs (CVOCs) were detected above the NR140 ES in eight of the monitoring wells. The report conclusions also noted the five removed USTs were in two separate excavations. The southern excavation had no obvious impacts, but the smaller northern excavation did have soil and groundwater impacts. The impacted soil around the USTs was removed at the time of UST closure. The report concluded that soil and groundwater remediation were required.

When the Village of Clinton acquired the property through tax delinquency in 2008, Ayres and Associates (Ayres) conducted a Phase I environmental site assessment of the property. Ayres later conducted a contamination assessment in January 2009 to further define the extent of contamination, which confirmed the presence of petroleum hydrocarbons and CVOCs, specifically trichloroethene (TCE), impacts. Activities included rehabilitation of five existing monitoring wells (MW-2A and MW-2B through MW-6), advancement of five soil probes (P-1 through P-4 and P-6), and installation of four additional water table wells (MW-A1 through MW-A4). Soil and groundwater samples collected were analyzed for volatile organic compounds (VOC). Chemical analysis of soil samples detected contaminant concentrations in soil samples collected primarily at the water table on the subject property. Two soil samples collected within 4 feet of ground surface (P-2 and P-5) contained low levels of contamination. The soil sample collected from P-5 contained low levels of TCE. Petroleum-related VOCs were detected at concentrations greater than the NR140 ES in samples from on-site monitoring wells MW-A1, MW-2B and MW-4. CVOCs were detected above their respective NR140 ES in on-site monitoring well MW-6 and off-site monitoring well MW-A2 situated within the East Street right-of-way (ROW) west of the site.

Ayres conducted an NR716 Site Investigation in January 2010. Two additional monitoring wells (MW-A5 and MW-A6) were installed southwest of the site, in the East Street ROW. Soil samples collected at the water table from these locations did not detect contaminant concentrations. Groundwater samples from the new wells south of the site, as well as the wells installed in the southwest portion of the site, contained CVOCs at concentrations exceeding the NR140 ES at the time.

In September 2015, the LUST BRRTS Activity number 03-54-000361 was closed by the Wisconsin DNR with continuing obligations related to residual soil and groundwater impacts from petroleum hydrocarbons. A new ERP BRRTS Activity number 02-54-564095 was opened to assess the CVOC impacts at the site.

2.3 Purpose and Scope

The purpose of this limited site investigation was to evaluate the soil at the site as the potential source of the TCE contamination observed in the groundwater. The scope of the site investigation includes five soil probes with soil sampling above and below the water table in order to evaluate the extent and magnitude of TCE in soil. AECOM also inspected each of the 12 existing wells to determine if the wells were in suitable condition to be sampled, and subsequently sampled 11 remaining wells. One well MW-4 was damaged and could not be sampled.

2.4 Site Topography

According to the United States Geological Survey (USGS) 7.5-minute topographic maps of the Clinton, Wisconsin quadrangle, the subject property elevation is approximately 950 feet above mean sea level (USGS, 1961 Photo revised 1971 and 1976). The site is generally flat.

2.5 Regional Geology

The USDA Soil Conservation Service (USCS) Web Soil Survey has mapped the area of the subject property as the Plano silt loam and the Elburn silt loam (USDA, 2021). The USCS data indicates that subject property soils are somewhat well to poorly drained and exhibit a high-water holding capacity.

Clinton lies in the Eastern Ridges and Lowlands and is characterized by lower relief with morainal hills. The surficial soils are underlain by thick deposits of glacial till. Beneath the glacial till is bedrock from the Platteville-Galena Group, undivided Ordovician-age dolostones.

2.6 Regional Hydrogeology

Drainage in the area of the site is toward Spring Brook, a tributary of the Rock River, located 3.5 miles northwest of the site.

Groundwater in the area is derived from the unconsolidated higher permeability till layers and bedrock. Groundwater is present within three systems – shallow unconsolidated quaternary glacially-derived deposits, Platteville-Galena dolomites, and the confined sandstone aquifer beneath the Tunnel City Formation (Sigma, 1999). Surface water bodies are not located on the site.

2.7 Potential Exposure Pathways

The site is serviced by the Village of Clinton municipal water supply and sanitary sewer. The Village of Clinton receives its municipal water from two municipal wells which are located in the Village of Clinton, approximately ¼ mile west and northwest of the subject property. The municipal wells are completed in Ordovician-age sandstones of several formations including the lower St. Peter Sandstone, the Eau Claire and Mt. Simon sandstones.

Sanitary sewer, four-inch diameter water, six-inch diameter water and natural gas are buried utilities adjacent to the subject property as depicted on Figure 2, site layout. The sewer and water lines are approximately six to eight feet below grade with the remaining utilities at greater depths and to the east of the site in Milwaukee Street. The natural gas line is located in the grassy area behind the curb and parallels both East Street on the west side of the subject property and Milwaukee Street on the north side of the subject property. Storm sewer locations were not depicted on the utility maps provided by the Village of Clinton.

As described in the approved sampling and analysis plan, sampling nearby sanitary sewer manholes for TCE in sewer gas was evaluated. The Village of Clinton was contacted regarding sewer manholes near the subject property. Two figures were provided from the most recent road projects along both Milwaukee Street and East Street and both figures depict just one sanitary manhole in the center of the intersection of the two streets. The suggested method for sampling the sanitary sewer would require a 24-hour sample collection time and since the manhole is on a busy thoroughfare, the level of effort required to obtain the sample and potential traffic impact outweigh the value of the information obtained by sampling. Thus, vapor testing of the sanitary sewer was not conducted.

The site is located on the southeast corner of Milwaukee Street and East Street. Surrounding land use is primarily residential. Potential exposure of receptors from contamination includes the potential for TCE soil impacts to extend to the groundwater table and to continue to impact groundwater, the potential for migration of contamination within the groundwater system, and the potential for vapor intrusion if volatile organic compounds (VOCs) are identified above generic guidance levels.

3. Methods of Investigation

The methods of investigation described below were used to assess whether TCE impacts in soil at the subject property were the potential source of TCE impacts observed in groundwater during previous investigation activities.

3.1 Utility Clearance

Prior to subsurface investigation activities, AECOM contacted Digger's Hotline for the location of public utilities in the investigation area and cleared the on-site locations with the Village of Clinton Director of Public works.

3.2 Soil Sampling

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

The following sample locations were selected for their vicinity to two potential source areas on the property:

- Two locations (SP-1 and SP-2) were located along the former sewer and water lateral serving the subject property. TCE was detected in groundwater from MW-1, located near the lateral in the ROW. TCE had also been detected in a soil sample from a previous soil probe (P-5) at a depth of 2-4 feet, the approximate depth of floor drains within the former building. SP-2 is 10 feet west of P-5 along the line of the reported former sewer and water laterals. SP-1 is further west, nearer the western property boundary but in alignment with SP-2. SP-3 was placed approximately 10 feet southeast of P-5 and SP-5 was approximately 15 feet south-southwest of P-5.
- Three locations (SP-3, SP-4 and SP-5) surrounded MW-5 to the northeast, south and southwest, respectively. MW-5 was installed in 1990 during the UST release investigation for petroleum hydrocarbons in soils. TCE was identified in groundwater from MW-5. Soil sample collection in and around this well will indicate if the TCE in groundwater at MW-5 is related to TCE in soils in that location.

Five soil probes (SP-1 through SP-5) were advanced to a depth of 25 feet below ground surface (bgs). Four soil samples were collected from each location at the following intervals:

- From one to four feet bgs;
- From 7 to 10 feet bgs in the sand seam;
- From 14 to 15 feet bgs in the top of the silty sand unit; and
- From the bottom one-foot interval of the boring between 20 and 25 ft bgs.

The soil probe locations are depicted on Figure 2. Soil samples were evaluated and visually classified in the field. 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 boring logs (WDNR Form 4400-122), which are included in Appendix B.

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 logs.

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. 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 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.

To avoid cross-contamination between borings, the drilling equipment (i.e., the drive tip) were decontaminated using a wash of Alconox© soap and clean water, followed by a rinse with clean water.

3.3 Monitoring Well Survey Update

The locations and elevations of the 11 existing monitoring wells were surveyed relative to State Plane Coordinates and mean sea level using standard global positioning system (GPS) survey equipment for horizontal and vertical coordinates. Elevations of the ground surface, top of PVC and top of protector pipe were surveyed. Groundwater elevations were calculated based on the top of PVC elevation measurements.

The twelfth monitoring well MW-4, located at the northeast corner of the site, had no cap or cover, and a blockage was encountered when collecting water levels. The well was not surveyed, but abandoned in general conformance with Wisconsin Administrative Code NR 141 requirements during AECOM's investigation activities and the monitoring well abandonment form is included in Appendix B.

3.4 Monitoring Well Sampling

Groundwater samples were collected from each of the viable wells found at the site and in the ROW as depicted on the prior investigation maps. The wells sampled included: MW-A1, MW-A2, MW-A3, MW-A4, MW-A5, MW-A6, MW-2A, MW-2B, MW-5, MW-6, and PZ-6.

Each monitoring well was inspected for surface seal integrity and then the protective cover opened. The depth to groundwater was measured and the total depth of the well was sounded with a weighted bailer. Depth to water was measured using an audible water level indicator. Measurements were referenced to the top of the surveyed well casing at each monitoring point. The wells were redeveloped by surging with a bailer then bailing the well dry (based on prior documentation that the wells can be bailed dry).

Wells that were purged dry were sampled using the low-flow sampling method below. Wells were purged at a low-flow rate using a peristaltic pump and new tubing for each well. The wells were purged at a pumping rate of approximately 100 to 200 milliliters per minute (mL/min) or less if needed to reduce the turbidity of the groundwater and/or maintain groundwater levels. Groundwater field measurements, including temperature, pH, conductivity, dissolved oxygen, and oxidation-reduction potential were recorded at approximate five-minute intervals using a portable water quality meter (e.g., Aqua Troll or equivalent meter) with a flow through cell. After groundwater field parameters stabilized, groundwater samples were collected at the lowest-flow rate used for purging to maintain the groundwater level without drawdown during sampling. Groundwater samples were collected immediately once the parameters stabilized by filling the appropriate pre-cleaned, laboratory-supplied sample jars.

Sample labels were adhered to each sample jar and contained the sample identification number (project and facility), date and time of collection, analysis to be conducted, preservative, and the sampler's initials. Groundwater samples were analyzed by a State Certified Laboratory (Pace Analytical Services) for VOCs by SW-846 method 8260.

3.5 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:

- The 20 soil samples (and one duplicate) were analyzed for VOCs by SW846 method 8260.
- Eleven groundwater samples (and one duplicate) were analyzed for VOCs by SW846 method 8260.

3.6 Quality Assurance/Quality Control

Project quality assurance was provided through the preparation and communication of the methods and procedures contained in the Sampling and Analysis Plan, dated May 26, 2021. 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. One field duplicate sample was collected for soils.

Groundwater quality control samples included one trip blank and one duplicate sample for every 10 or less groundwater samples collected.

3.7 Investigative Waste Management

Soil generated during the soil probe sampling and groundwater generated by pre-sample purging was containerized in six, five-gallon plastic pails that are stored at the Village of Clinton public works garage pending disposal.

4. Results

4.1 Field Observations

The soil samples were described based on the sample recovery and textural character. Soil sample recovery ranged from 30 to 60 inches and was consistent with the soil types encountered (sandy silt and silty sand). Fill material was observed in three of the five borings, generally in the 1.5-3.5 ft interval. Subsurface materials at the subject property include fine to coarse grained sand with gravel, silt with sand, or sandy silt, overlying clay. No odors were observed in soil borings/samples. Figures 3 through 5 depict the subsurface materials in cross section.

Field screening of soil samples using the PID had instrument unit (iu) readings ranging from 0.2 to 3,081. The highest PID reading (3,081 iu) was detected in sand with silt from the 8-9-foot depth (at the water table) in soil probe SP-1 which had odorous soil. The odors in the soil were attributable to the high concentrations of petroleum volatile organic compounds (PVOC), including trimethylbenzenes and xylenes. The second highest PID reading was 338.0 iu and was detected in sandy silt with gravel from the 20-21-foot depth (below the water table), also in soil probe SP-1 which again is due to detections of PVOCs. It should be noted that trichloroethene was not detected above the reporting limit in the soil samples from SP-1. Laboratory analytical results detected VOCs in the samples with elevated PID readings.

4.2 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.

AECOM completed data validation of the analytical results. The evaluation concluded that the reported data were suitable for decision making for this site. The data validation report documenting AECOM's data quality review is included as Appendix C.

4.3 Soil Sampling Results

Soil sample result tables from previous investigation reports are included as Appendix A to provide the summary of the data collected at this site. The discussion below relates to the new data collected for this limited site investigation. The discussion of the previous investigation results is included in Section 1.2.

Soil samples were analyzed for VOCs only. Soil analytical results are compared to the generic RCLs. Generic RCLs were those calculated by WDNR (December 2018) using the USEPA Regional Screening Level Web Calculator in accordance with WDNR PUB-RR-890. The soil laboratory analytical reports are included in Appendix D.

PID readings were taken from the soil cores immediately after retrieval from the ground. PIDs were developed as a tool for screening the breathing zone for health and safety. Soil samples were screened with a PID and the relative readings were used as another field observation. There have been multiple attempts to try and use the PID meter in the field to provide a semi-quantitative measure of contaminants in the soil, but methods for calibration and comparison of readings generally failed because of varied rates of volatilization of individual volatile compounds as well as ambient temperatures and pressures. The volatility of an individual VOC is measured as vapor pressure in pounds per square inch (PSI) or kilo pascals (kPa). The higher the vapor pressure the more volatile the compound.

The PID meter requires that the VOC have a vapor pressure sufficient for the compound to volatilize at whatever ambient temperature and pressure is present on the day of sampling. The meter measures the response of the molecules after stimulation by photo-ionization. Ionization potentials vary for each volatile compound and with mixtures, the response can be varied with some compounds creating synergistic affects causing higher readings and other compounds causing retardation effects or lower readings. Additionally, moisture can interfere with the PID meter, sometimes causing small readings in unimpacted soil due solely

to moisture. Thus, PID readings are another observation that can be used in evaluating the soil condition but should not be used to predict expected analytical values.

The PID readings are included on Table 1. PID readings did not correlate well with the detected concentrations. Higher PID readings were observed with the presence of petroleum VOCs, while soil samples with low concentrations of TCE did not have PID readings that were much different from moist to wet soil. The relative responses to the PID meter are generally when VOCs are in concentrations above one part per million (roughly equivalent to milligrams per kilogram), the lowest detection of the PID meter. Thus, concentrations of VOCs in the micrograms per kilogram (ug/kg) range may not be detected by the meter.

TCE was detected above the groundwater pathway RCL at locations SP-2 (1-2'), SP-4 (20-21'), and SP-5 (20-21'). TCE results and the extent of NR720 RCL exceedances are depicted on Figure 6 and include data from the prior investigations. The TCE concentration in the near surface sample (1-2 ft bgs) at SP-2 and the first sample (2-4 ft bgs) from P-5 were detected in the fill soil placed at the site. The detected concentrations are of the same order of magnitude, however, appear to be confined to the fill soils because the soil sampled below the detected samples did not have detected TCE. Thus, it is unlikely that the TCE from these two locations leached to the groundwater and migrated to the right-of-way.

Higher detection limits were reported for soil sampled from SP-1 because of the elevated concentrations of petroleum VOCs reported in the eight to nine-foot sample interval and the 14 to 15-foot sample interval. The SP-4 (20-21') and SP-5 (20-21') samples were collected below the water table. Both of these samples were collected from clay soil found at the base of each soil boring (20-21 feet bgs) and the clay occurs in disconnected lenses at 10-12 feet bgs and between 20 and 24 feet bgs. The detected concentrations 56.2 and 126 ug/kg, respectively, are relatively low and exceed just the groundwater pathway RCL but not the direct contact RCLs.

Additional VOCs were detected in eight of the 20 soil samples collected for this limited site investigation. The detected VOCs are included in Table 1. 1,2,4-trimethylbenzene, ethylbenzene, and naphthalene concentrations were above generic RCL for direct contact in two soil samples collected at or below the water table: SP-1 (8-9'), and SP-1 (14-15'). Additionally, the generic groundwater pathway RCL was exceeded in seven samples collected from 4 locations – SP-1, SP-2, SP-4, and SP-5.

4.4 Groundwater Samples

Groundwater analytical results are compared to NR 140.10, Table 1, Groundwater Quality Public Heath Enforcement Standards (ES) and Preventive Action Limits (PALs). Wisconsin has two levels of groundwater quality standards. The first level, the PAL, is a concentration that is 10% (for carcinogenic, mutagenic or teratogenic compounds) to 20% (non-carcinogenic) of the Enforcement Standards (ES). The PAL has been established as the concentration at which notification to the WDNR is required. Remedial action is not always required if a PAL is exceeded. The ES is a health-risk based concentration and exceedances of ESs usually result in further subsurface investigation, remedial action requirements, or monitoring.

Depth to groundwater was measured prior to groundwater sampling. Groundwater elevations were calculated as shown in Table 2. The groundwater flow at the site is to the southwest. The calculated groundwater elevations are included in Table 2 and groundwater flow direction is depicted on Figure 7. The hydraulic gradient was calculated for two well pairs in the direction of groundwater flow. The hydraulic gradient calculated from MW-5 to MW-A2 was 0.00633 feet per foot and from MW-5 to MW-A5 was 0.00568 feet per foot.

A large precipitation event occurred on August 8th and the resulting depths to groundwater on August 9th were similar to August 4th except for MW- A3. The water level in MW- A3 had over a one-foot rise which could be attributed to a leaky well seal because of the recent rain. Thus, the August 4, 2021 elevation data was used to prepare the groundwater contour map because it was more representative of static conditions.

Prior to sample collection, the monitoring wells were purged until field parameters stabilized. Groundwater samples were collected from 11 of the 12 remaining groundwater monitoring wells and piezometer PZ-6. MW-4 was damaged, the protective flush mount cover was missing and the well was plugged at 6.8 feet

below the top of the casing. Monitoring well MW-4 was abandoned during the field activities. A copy of the well abandonment form is included Appendix B. Groundwater samples were analyzed for VOCs. The August 2021 groundwater results are summarized in Table 3. The August 2021 data has also been included in Table 4, a summary of historic VOC groundwater data for the existing wells. Copies of the laboratory analytical data are included in Appendix B.

Six petroleum-related and three non-petroleum VOC compounds were detected at concentrations above the NR140 PAL or ES. Petroleum related NR140 exceedances included 1,2,4- and 1,3,5- trimethylbenzene, benzene, ethylbenzene, naphthalene, and xylene. CVOCs detected above their respective PAL or ES include 1,2-dichloroethane, cis-1,2-dichloroethene, and TCE. Where TCE was detected, concentrations of the analyte exceeded the NR140 PAL and/or ES. TCE detections and exceedances were limited to the wells, and piezometer P-6, located west and southwest of the site, in East Street or the ROW. PAL exceedances occurred at MW-A5 and MWA-6. NR140 PAL and ES exceedance extents for TCE are shown on Figure 8. An analysis of TCE concentrations over time at the 5 monitoring wells (MW-6, MW-A2, MW-A3, MW-A5, MW-A6) indicated an increasing trend only in wells MW-A3 and MW-6. These concentration graphs are included in Appendix E. TCE was not detected in soils at these locations when the wells were installed.

5. Summary, Conclusions and Recommendations

The Doug's Former Garage Site is a 0.185-acre property on a corner lot (southeast corner) at the intersection of East Street with Milwaukee Street. The site is bordered to the north and west by Milwaukee Street and East Street, respectively; the site is bordered the east and south by residential properties.

USTs historically located at the site were removed in January 1990. During removal, petroleum hydrocarbon impacts were observed and prompted a series of subsurface investigations, which also identified CVOC impacts to the soil and groundwater at the site. The LUST case related to petroleum hydrocarbon impacts was closed in 2015. This limited investigation was conducted to evaluate the degree and extent TCE contamination at the site.

To evaluate the degree and extent of TCE at the site, five soil probes were advanced to an approximate depth of 25 feet bgs for soil sample collection. The five sample locations were labeled SP-1 through SP-5 and soil samples were collected from four intervals at each probe location, totaling 20 soil samples. The existing, intact groundwater monitoring wells were also sampled for VOC to document current VOC impacts in groundwater as they relate to the soil results collected. One well was observed to be damaged and was abandoned during the activities.

Soils at the site generally consisted of silty sand or sand with silt with layers of lean clay (10-12 feet bgs and 18 to 24 feet bgs) or sand, overlying silt and clay. A layer of fill soil underlies the topsoil surface at the site. Groundwater depth was an average of 9.5 feet bgs with a calculated southwesterly groundwater flow direction.

TCE was detected in soil samples at concentrations exceeding the NR720 generic groundwater pathway RCL at three locations. In SP-2, TCE was detected in the first sample (1-2 feet) but not in the three deeper samples, thus TCE did not appear to be leaching from the fill soil to the deeper soil or the groundwater. In SP-4 and SP-5, TCE was only detected in the deepest sample (20-21 feet bgs) in clay soil and was collected below the water table. In the historic sample P-5 TCE was detected in the 2 to 4-foot bgs sample, but not in the deeper samples which indicates that TCE is not leaching downward. However, TCE was not detected in groundwater samples collected from near these locations (MW-A1 and MW-5). TCE was detected in groundwater samples from the five monitoring wells located along East Street and the southeastern corner of the site (MW-6, MW-A2, MW-A3, MW-A5, and MW-A6). An analysis of TCE concentrations over time at these 5 locations indicated an increasing trend only in wells MW-A3 and MW-6. TCE was not detected in soils at the wells in the East Street right-of way when the wells were installed.

Monitoring well A-3 may have a damaged well seal. The monitoring well should be repaired or replaced if continued monitoring is desired or abandoned to prevent surface contamination to groundwater.

TABLES

Table 1
Analytes Detected in Soil Samples - August 2021
Former Doug's Garage
BRRTS No. 02-54-564095
AECOM Project No. 60657253

Parameters	Generic RCLs			SP-1 2 - 3 ft 8/10/2021	SP-1 8 - 9 ft 8/10/2021	SP-1 14 - 15 ft 8/10/2021	SP-1 20 - 21 ft 8/10/2021	SP-2 1 - 2 ft 8/10/2021	SP-2 9 - 10 ft 8/10/2021	SP-2 14 - 15 ft 8/10/2021
	Direct Contact Pathway		Groundwater Pathway							
	Non-Industrial	Industrial								
VOCs (µg/kg)										
1,2,4-Trimethylbenzene	219000	219000	--	< 21.3	278,000 ABC	34,600 C	86.6	< 19.9	< 19.9	386
1,3,5-Trimethylbenzene	182000	182000	--	< 23.0	83,000 C	9,710 C	< 20.6	< 21.5	< 21.5	109
Benzene	1600	7070	5.1	< 17.0	< 859	453 C	203 C	< 15.9	< 15.9	< 16.1
cis-1,2-Dichloroethene	156000	2340000	41.2	< 15.3	< 772	< 111	< 13.7	< 14.3	< 14.3	< 14.5
Ethylbenzene	8020	35400	1570	< 17.0	47,600 ABC	17,800 AC	273	< 15.9	< 15.9	205
Isopropylbenzene (Cumene)	268000	268000	--	< 19.3	11,000	1,600	< 17.2	< 18.1	< 18.0	23.7 J
m,p-Xylenes	--	--	--	< 30.2	190,000	62,900	269	< 28.2	< 28.2	633
Naphthalene	5520	24100	658.2	< 22.3	23,100 AC	4,300 C	136 J	< 20.9	< 20.8	141 J
n-Butylbenzene	108000	108000	--	< 32.7	26,600	3,450	< 29.2	< 30.6	< 30.6	51.7 J
n-Propylbenzene	264000	264000	--	< 17.2	49,100	6,710	36.1 J	< 16.0	< 16.0	105
o-Xylene	434000	434000		< 21.5	12,000	20,200	< 19.2	< 20.1	< 20.0	< 20.3
p-Isopropyltoluene	162000	162000	--	< 21.7	2,490 J	549	< 19.4	< 20.3	< 20.3	< 20.5
sec-Butylbenzene	145000	145000	--	< 17.4	6,470	664	< 15.6	< 16.3	< 16.3	17.2 J
Toluene	818000	818000	1107.2	< 18.0	1,090 J	9,290 C	85.3	< 16.8	< 16.8	< 17.0
Trichloroethene	1300	8410	3.6	< 26.7	< 1350	< 193	< 23.9	56.4 J C	< 25.0	< 25.3
Xylene (Total)	260000	260000	3960	< 51.6	202,000 C	83,100 C	269	< 48.3	< 48.2	633
PID Readings (instrument Units)				67.2	3,081	23	338	0.2	7.4	35.7

Notes:

VOCs = Volatile Organic Compounds

ug/kg = Micrograms per kilogram.

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

B = Parameter exceeds Generic RCL for Industrial Direct Contact (none).

C = Parameter exceeds Generic RCL for Groundwater Pathway.

J = Estimated value (+/- indicate bias).

-- = No generic RCL established.

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

Results reported on a dry weight basis.

Table 1
Analytes Detected in Soil Samples - August 2021
Former Doug's Garage
BRRTS No. 02-54-564095
AECOM Project No. 60657253

Parameters	Generic RCLs			SP-2 20 - 21 ft 8/10/2021	SP-3 1 - 2 ft 8/10/2021	SP-3 8 - 9 ft 8/10/2021	SP-3 14 - 15 ft 8/10/2021	SP-3 20 - 21 ft 8/10/2021	SP-4 1 - 2 ft 8/10/2021	SP-4 9 - 10 ft 8/10/2021
	Direct Contact Pathway		Groundwater Pathway							
	Non-Industrial	Industrial								
VOCs (µg/kg)										
1,2,4-Trimethylbenzene	219000	219000	--	< 18.3	< 21.2	< 19.5	< 19.6	< 18.3	< 18.9	< 17.9
1,3,5-Trimethylbenzene	182000	182000	--	< 19.7	< 22.9	< 21.1	< 21.2	< 19.8	< 20.5	< 19.4
Benzene	1600	7070	5.1	31.1 C	< 17.0	< 15.6	< 15.7	< 14.6	< 15.1	< 14.3
cis-1,2-Dichloroethene	156000	2340000	41.2	< 13.1	< 15.2	< 14.0	< 14.1	< 13.2	< 13.6	< 12.9
Ethylbenzene	8020	35400	1570	35.0 J	< 17.0	< 15.6	< 15.7	< 14.6	< 15.1	< 14.3
Isopropylbenzene (Cumene)	268000	268000	--	< 16.6	< 19.2	< 17.7	< 17.8	< 16.6	< 17.2	< 16.3
m,p-Xylenes	--	--	--	88.5 J	< 30.1	< 27.6	< 27.8	< 25.9	< 26.8	< 25.4
Naphthalene	5520	24100	658.2	< 19.1	< 22.2	< 20.4	< 20.6	< 19.2	< 19.8	< 18.8
n-Butylbenzene	108000	108000	--	< 28.1	< 32.6	< 30.0	< 30.2	< 28.2	< 29.1	< 27.6
n-Propylbenzene	264000	264000	--	< 14.7	< 17.1	< 15.7	< 15.8	< 14.8	< 15.3	< 14.5
o-Xylene	434000	434000		< 18.4	< 21.4	< 19.6	< 19.8	< 18.4	< 19.1	< 18.1
p-Isopropyltoluene	162000	162000	--	< 18.6	< 21.7	< 19.9	< 20.0	< 18.7	< 19.3	< 18.3
sec-Butylbenzene	145000	145000	--	< 15.0	< 17.4	< 16.0	< 16.1	< 15.0	< 15.5	< 14.7
Toluene	818000	818000	1107.2	< 15.5	< 18.0	< 16.5	< 16.6	< 15.5	< 16.0	< 15.2
Trichloroethene	1300	8410	3.6	< 22.9	< 26.6	< 24.5	< 24.7	< 23.0	< 23.8	< 22.5
Xylene (Total)	260000	260000	3960	88.5 J	< 51.4	< 47.2	< 47.6	< 44.4	< 45.9	< 43.5
PID Readings (instrument Units)				4.5	0.2	0.7	1.7	3.2	0.2	0.7

Notes:

VOCs = Volatile Organic Compounds

ug/kg = Micrograms per kilogram.

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

B = Parameter exceeds Generic RCL for Industrial Direct Contact (none).

C = Parameter exceeds Generic RCL for Groundwater Pathway.

J = Estimated value (+/- indicate bias).

-- = No generic RCL established.

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

Results reported on a dry weight basis.

Table 1
Analytes Detected in Soil Samples - August 2021
Former Doug's Garage
BRRTS No. 02-54-564095
AECOM Project No. 60657253

Parameters	Generic RCLs			SP-4 14 - 15 ft 8/10/2021	SP-4 20 - 21 ft 8/10/2021	SP-5 1 - 2 ft 8/10/2021	SP-5 9 - 10 ft 8/10/2021	SP-5 14 - 15 ft 8/10/2021	SP-5 20 - 21 ft 8/10/2021
	Direct Contact Pathway		Groundwater Pathway						
	Non-Industrial	Industrial							
VOCs (µg/kg)									
1,2,4-Trimethylbenzene	219000	219000	--	< 19.7	< 18.8	< 19.2	< 19.8	31.4 J	< 18.6
1,3,5-Trimethylbenzene	182000	182000	--	< 21.3	< 20.3	< 20.8	< 21.4	< 21.3	< 20.1
Benzene	1600	7070	5.1	< 15.7	< 15.0	< 15.4	< 15.8	< 15.7	< 14.9
cis-1,2-Dichloroethene	156000	2340000	41.2	< 14.2	19.0 J	< 13.8	< 14.2	< 14.1	31.4 J
Ethylbenzene	8020	35400	1570	< 15.7	< 15.0	< 15.4	< 15.8	< 15.7	< 14.9
Isopropylbenzene (Cumene)	268000	268000	--	< 17.9	< 17.0	< 17.4	< 18.0	< 17.8	< 16.8
m,p-Xylenes	--	--	--	< 27.9	< 26.6	< 27.2	< 28.1	< 27.9	< 26.3
Naphthalene	5520	24100	658.2	< 20.6	< 19.6	< 20.1	< 20.8	< 20.6	< 19.5
n-Butylbenzene	108000	108000	--	< 30.3	< 28.8	< 29.6	< 30.5	< 30.3	< 28.6
n-Propylbenzene	264000	264000	--	< 15.9	< 15.1	< 15.5	< 16.0	< 15.9	< 15.0
o-Xylene	434000	434000		< 19.9	< 18.9	< 19.4	< 20.0	< 19.8	< 18.7
p-Isopropyltoluene	162000	162000	--	< 20.1	< 19.1	< 19.6	< 20.2	< 20.1	< 19.0
sec-Butylbenzene	145000	145000	--	< 16.1	< 15.4	< 15.7	< 16.2	< 16.1	< 15.2
Toluene	818000	818000	1107.2	< 16.7	< 15.9	< 16.3	< 16.8	< 16.7	< 15.7
Trichloroethene	1300	8410	3.6	< 24.7	56.2 J C	< 24.1	< 24.9	< 24.7	126 C
Xylene (Total)	260000	260000	3960	< 47.8	< 45.5	< 46.6	< 48.0	< 47.7	< 45.1
PID Readings (instrument Units)				0.6	0.4	0.1	0.2	0.2	0.4

Notes:

VOCs = Volatile Organic Compounds

ug/kg = Micrograms per kilogram.

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

B = Parameter exceeds Generic RCL for Industrial Direct Contact (none).

C = Parameter exceeds Generic RCL for Groundwater Pathway.

J = Estimated value (+/- indicate bias).

-- = No generic RCL established.

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

Results reported on a dry weight basis.

Table 2
Groundwater Measurements and Elevations
Former Doug's Standard, Clinton, Wisconsin

Well Number	MW-2A		MW-2B		MW-4		MW-5		MW-6		PZ-6	
Elevation (ft) Center of Well Cover [08/10/21]	950.22		950.59		Cover missing		949.80		949.39		949.18	
Top of PVC Casing (TOC) Elevation	950.24		950.21		well damaged		949.57		948.97		948.91	
Screen Length (ft)	10.00		10.00		10.00		10.00		10.00		10.00	
TOC to Bottom of Well (ft)[A]	14.93		18.72		Plugged at 6.88		14.45		14.78		29.52	
Date	Depth to GW (ft)	Groundwater Elevation (ft)	Depth to GW (ft)	Groundwater Elevation (ft)	Depth to GW (ft)	Groundwater Elevation (ft)	Depth to GW (ft)	Groundwater Elevation (ft)	Depth to GW (ft)	Groundwater Elevation (ft)	Depth to GW (ft)	Groundwater Elevation (ft)
06/27/08	NM	--	7.42	942.79	6.81	942.73	7.08	942.49	7.01	941.96	NI	--
09/24/08	7.52	942.72	7.74	942.47	7.13	942.41	7.47	942.10	7.29	941.68	NI	--
06/03/09	7.51	942.73	7.66	942.55	6.97	942.57	7.28	942.29	7.19	941.78	4.51	944.40
10/14/09	7.98	942.26	8.15	942.06	7.59	941.95	7.99	941.58	7.61	941.36	7.71	941.20
04/07/14	7.71	942.53	7.86	942.35	7.48	942.06	7.24	942.33	7.29	941.68	9.54	939.37
07/09/14	7.61	942.63	7.67	942.54	6.96	942.58	7.40	942.17	7.17	941.80	7.30	941.61
08/04/21	9.74	940.50	9.80	940.41	NM	--	9.33	940.24	9.04	939.93	11.64	937.27
08/09/21	9.97	940.27	11.13	939.08	NM	--	9.10	940.47	8.95	940.02	11.64	937.27

Notes: ft = feet

[A] = As measured inside well

NM = no water level measurement

NI = not installed

-- = no elevation

Wells Surveyed on August 10, 2021

Survey datum NAD 83 (horizontal)
and NAD 88 (vertical)

Table 2
Groundwater Measurements and Elevations
Former Doug's Standard, Clinton, Wisconsin

Well Number	MW-A1		MW-A2		MW-A3		MW-A4		MW-A5		MW-A6	
Elevation (ft) Center of Well Cover [08/10/21]	949.69		948.94		949.24		950.68		948.29		948.01	
Top of PVC Casing (TOC) Elevation	949.24		948.52		948.97		950.10		947.98		947.77	
Screen Length (ft)	10.00		10.00		10.00		10.00		10.00		10.00	
TOC to Bottom of Well (ft)[A]	13.98		14.90		14.70		14.92		14.52		14.17	
Date	Depth to GW (ft)	Groundwater Elevation (ft)	Depth to GW (ft)	Groundwater Elevation (ft)	Depth to GW (ft)	Groundwater Elevation (ft)	Depth to GW (ft)	Groundwater Elevation (ft)	Depth to GW (ft)	Groundwater Elevation (ft)	Depth to GW (ft)	Groundwater Elevation (ft)
06/27/08	6.88	942.36	NI	--	NI	--	NI	--	NI	--	NI	--
09/24/08	7.21	942.03	NI	--	NI	--	NI	--	NI	--	NI	--
06/03/09	7.11	942.13	6.58	941.94	6.96	942.01	5.32	944.78	5.83	942.15	5.93	941.84
10/14/09	7.66	941.58	7.27	941.25	7.61	941.36	7.54	942.56	6.73	941.25	6.82	940.95
04/07/14	7.04	942.20	7.32	941.20	7.74	941.23	7.91	942.19	7.00	940.98	7.01	940.76
07/09/14	6.88	942.36	7.07	941.45	7.53	941.44	7.72	942.38	6.39	941.59	6.29	941.48
08/04/21	9.07	940.17	9.04	939.48	9.44		9.92	940.18	8.82	939.16	8.88	938.89
08/09/21	9.07	940.17	9.09	939.43	7.82	941.15	9.45	940.65	8.59	939.39	8.77	939.00

Notes: ft = feet

[A] = As measured inside well

NM = no water level measurement

NI = not installed

-- = no elevation

Wells Surveyed on August 10, 2021

Survey datum NAD 83 (horizontal)

and NAD 88 (vertical)

Table 3
Analytes Detected in Groundwater - August 2021
Former Doug's Garage, Chilton, WI
BRRTS No. 02-45-000361

Field ID	Sample Date	1,1-Dichloroethene (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Benzene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Isopropylbenzene (Cumene) (ug/L)	m,p-Xylenes (ug/L)	Methyl-tert-butyl ether (ug/L)
MW-2A	8/9/2021	< 2.9	**497**	< 1.5	82.3	**15.7**	< 2.4	*556*	41.2	907	< 5.6
MW-2A DUP	8/9/2021	< 2.9	**593**	< 1.5	*99.3*	**17.3**	< 2.4	*631*	47.3	1040	< 5.6
MW-2B	8/10/2021	< 0.58	*404*	< 0.29	71	**22.1**	< 0.47	*439*	46.8	705	< 1.1
MW-5	8/9/2021	< 0.58	5.9	< 0.29	13.3	*0.85* J	2.5	19.8 J+	9.7	18.7	< 1.1
MW-6	8/9/2021	< 0.58	< 0.45	*1.2*	< 0.36	< 0.30	*10.9*	< 0.33	< 1.0	< 0.70	< 1.1
MW-A1	8/9/2021	< 2.9	*453*	< 1.5	*107*	**422**	< 2.4	*699*	33.4	1430	< 5.6
MW-A2	8/9/2021	< 0.58	< 0.45	< 0.29	< 0.36	< 0.30	< 0.47	< 0.33	< 1.0	< 0.70	< 1.1
MW-A3	8/9/2021	< 0.58	< 0.45	0.47 J	< 0.36	< 0.30	4.7	< 0.33	< 1.0	< 0.70	< 1.1
MW-A4	8/10/2021	< 0.58	< 0.45	< 0.29	< 0.36	< 0.30	< 0.47	< 0.33	< 1.0	< 0.70	< 1.1
MW-A5	8/9/2021	< 0.58	< 0.45	< 0.29	< 0.36	< 0.30	< 0.47	< 0.33	< 1.0	< 0.70	< 1.1
MW-A6	8/9/2021	< 0.58	< 0.45	< 0.29	< 0.36	< 0.30	< 0.47	< 0.33	< 1.0	< 0.70	< 1.1
PZ-6	8/9/2021	0.64 J	< 0.45	**22.1**	< 0.36	< 0.30	*14.2*	< 0.33	< 1.0	< 0.70	2.3 J
	ES	7	480[a]	5	480[a]	5	70	700	--	2000[b]	60
	PAL	0.7	96[a]	0.5	96[a]	0.5	7	140	--	400[b]	12

Notes:

ug/L = micrograms per liter

J = Estimated value (+/- indicates direction on bias)

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are *underlined italics*.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are **bold.**

[a] PAL and ES are for 1,2,4- and 1,3,5-trimethylbenzenes combined

[b] PAL and ES are for o-xylene and m,p-xylenes combined

Table 3
Analytes Detected in Groundwater - August 2021
Former Doug's Garage, Chilton, WI
BRRTS No. 02-45-000361

Field ID	Sample Date	Naphthalene (ug/L)	n-Butyl benzene (ug/L)	n-Propyl benzene (ug/L)	o-Xylene (ug/L)	p-Isopropyl toluene (ug/L)	sec-Butyl benzene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Trichloroethene (ug/L)	Xylene (Total) (ug/L)
MW-2A	8/9/2021	**120**	11.6	102	51.4	< 5.2	4.5 J	30.1	< 2.6	< 1.6	*958*
MW-2A DUP	8/9/2021	**138**	12.9	116	57.9	< 5.2	< 2.1	30.8	< 2.6	< 1.6	*1100*
MW-2B	8/10/2021	**102**	10.6	99.1	40.5	2.3 J	5.7	27.2	< 0.53	< 0.32	*746*
MW-5	8/9/2021	4.2 J	1.7	13.9	< 0.35	< 1.0	5.4	< 0.29	< 0.53	< 0.32	19
MW-6	8/9/2021	< 1.1	< 0.86	< 0.35	< 0.35	< 1.0	< 0.42	< 0.29	< 0.53	**18.3**	< 1.0
MW-A1	8/9/2021	*86.4*	11.6	86.6	118	< 5.2	4.1 J	*480*	< 2.6	< 1.6	*1550*
MW-A2	8/9/2021	< 1.1	< 0.86	< 0.35	< 0.35	< 1.0	< 0.42	< 0.29	< 0.53	**7.9**	< 1.0
MW-A3	8/9/2021	< 1.1	< 0.86	< 0.35	< 0.35	< 1.0	< 0.42	< 0.29	0.59 J	**44**	< 1.0
MW-A4	8/10/2021	< 1.1	< 0.86	< 0.35	< 0.35	< 1.0	< 0.42	< 0.29	< 0.53	< 0.32	< 1.0
MW-A5	8/9/2021	< 1.1	< 0.86	< 0.35	< 0.35	< 1.0	< 0.42	< 0.29	< 0.53	*1.1*	< 1.0
MW-A6	8/9/2021	< 1.1	< 0.86	< 0.35	< 0.35	< 1.0	< 0.42	< 0.29	< 0.53	*2.4*	< 1.0
PZ-6	8/9/2021	< 1.1	< 0.86	< 0.35	< 0.35	< 1.0	< 0.42	< 0.29	< 0.53	**54.8**	< 1.0
	ES	100	--	--	2000[b]	--	--	800	100	5	2000
	PAL	10	--	--	400[b]	--	--	160	20	0.5	400

Notes:

ug/L = micrograms per liter

J = Estimated value (+/- indicates direction on bias)

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are *underlined italics*.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, June 2021 exceedances are **bold.**

[a] PAL and ES are for 1,2,4- and 1,3,5-trimethylbenzenes combined

[b] PAL and ES are for o-xylene and m,p-xylenes combined

Table 4
Groundwater Summary - Detected VOCs
Former Doug's Garage, Chilton, WI
BRRTS No. 02-54-000361

Well Location	Sample Date	Benzene (ug/L)	n-Butyl benzene (ug/L)	sec-Butyl benzene (ug/L)	tert-Butyl benzene (ug/L)	Chloro ethane (ug/L)	Chloro methane (ug/L)	1,2-Dichloro ethane ug/L)	1,1-Dichloro ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	cis-1,2-Dichloro ethene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Ethylbenzene (ug/L)	Isopropyl benzene (ug/L)	p-Isopropyl toluene (ug/L)	Methyl-tert butyl-ether (ug/L)	Naphthalene (ug/L)	n-Propyl benzene (ug/L)	Toluene (ug/L)	Trichloroethene (ug/L)	1,2,4-Trimethyl benzene (ug/L)	1,3,5-Trimethyl benzene (ug/L)	m&p-Xylenes (ug/L)	o-Xylene (ug/L)	Total Xylenes (ug/L)
PAL[A]		0.5	NE	NE	NE	80	3	0.5	0.7	0.7	7	20	140	NE	NE	12	10	NE	160	0.5	96*	96*	400	400	400
ES[B]		5	NE	NE	NE	400	30	5	7	7	70	100	700	NE	NE	60	100	NE	800	5	480*	480*	2000	2000	2000
MW-2A	6/27/08	**8.9**	2.3	1.6	<0.23	<0.4	0.48	*1.4*	<0.4	NPD	<0.4	<0.5	37	4.5	<0.17	<0.23	7.2	9.1	4.5	<0.15	17	3.2	24	4.8	28.8
	9/24/08	*2.5*	3.3	1.5	<0.23	<0.4	<0.3	0.41	<0.4	NPD	<0.4	<0.5	91	9.9	0.67	<0.23	*26*	22	11	<0.15	79	22	220	60	280
	6/3/09	**12**	0.59	0.8	<0.23	<0.4	0.51	**5.2**	<0.4	NPD	<0.4	<0.5	18	4.8	<0.17	<0.23	2.1	7.3	3.5	<0.15	11	1.9	14	7.7	21.7
	10/14/09	**6**	10	6	<0.23	<0.4	0.76	<0.3	<0.4	NPD	<0.4	<0.5	*530*	36	2.2	<0.23	**110**	7.1	28	<0.15	410	64	*1300*	280	1,580
	4/7/14	*0.87*	6.5	<2.2	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	<0.26	<0.24	118	9.7	0.72	<0.17	*25.8*	19.8	5.1	<0.33	142	30.3	334	30.3	364.3
	7/9/14	*0.79*	5.3	3.1	<0.18	<0.37	<0.5	<0.24	<0.41	NPD	<0.26	<0.26	*222*	14.5	0.71	<0.17	*46.5*	30.7	8.7	<0.33	174	44.3	*518*	45.3	563.3
	8/9/21	**15.7**	11.6	4.5 J	<2.9	<6.9	<8.2	<1.5	< 1.5	<2.9	< 2.4	< 2.6	*556*	41.2	< 5.2	< 5.6	**120**	102	30.1	< 1.6	**497**	82.3	*907*	51.4	958.40
MW-2A-DUP	8/9/2021	**17.3**	12.9	< 2.1	< 2.9	< 6.9	< 8.2	< 1.5	< 1.5	<2.9	< 2.4	< 2.6	*631*	47.3	< 5.2	< 5.6	**138**	116	30.8	< 1.6	**593**	*99.3*	1040	57.9	NA
MW-2B	6/27/08	51	2.2	3.1	<0.23	<0.4	<0.3	14	<0.4	NPD	<0.4	<0.5	130	14	<0.17	<0.23	14	29.00	24	<0.15	4.6	<0.19	64	5.8	69.8
	9/24/08	**5.8**	1.4	1.5	<0.23	<0.4	<0.3	*2.7*	<0.4	NPD	<0.4	<0.5	47	7.8	<0.17	<0.23	8.2	14	4.2	<0.15	31	4.2	60	28	88
	6/3/09	**11**	0.55	1.3	<0.23	<0.4	0.33	**11**	<0.4	NPD	<0.4	<0.5	25	4	0.24	<0.23	3.2	8.2	3.3	<0.15	6.3	1.1	17	4.2	21.2
	10/14/09	*4.2*	6.9	4.9	<0.23	<0.4	0.91	0.3	<0.4	NPD	<0.4	<0.5	*170*	25	1.8	<0.23	*48*	53	16	<0.15	140	32	270	67	337
	4/7/14	<5	6.5	<21.9	<1.8	<3.7	<5	<1.7	<4.1	NPD	<2.6	<2.4	*407*	20	1.9	<1.7	<25	53.2	18	<3.3	312	51.1	*870*	81.7	951.7
	7/9/14	0.63	3.7	3.4	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	<0.26	<0.26	61.2	11.3	<0.5	<0.17	11.6	16.7	1.7	<0.33	56.1	3.1	47.9	5.4	53.3
	8/10/21	**22.1**	10.6	5.7	< 0.59	< 1.4	< 1.6	< 0.29	< 0.30	<0.58	< 0.47	< 0.53	*439*	46.8	2.3 J	< 1.1	**102**	99.1	27.2	< 0.32	*404*	71	*705*	40.5	745.5
MW-4	6/27/08	**310**	40	21	0.78	5.2	2.6	<0.4	<0.4	NPD	<0.4	<0.5	**1300**	140	11	<0.23	**220**	310	*560*	<0.15	1300	280	**2700**	220	2920
	9/24/08	**140**	5.6	3.6	<2.3	<4	<3	<3	<4	NPD	<4	<0.5	*280*	27	<1.7	<2.3	*59*	60	94	<1.5	310	54	*470*	42	512
	6/3/09	**110**	8.9	6.7	<1.2	<2	<1.5	<1.5	<2	NPD	<2	<0.5	*290*	38	2.2	<1.2	*90*	84	*170*	<0.75	270	59	*480*	83	563
	10/14/09	**6.5**	1.2	0.81	<0.23	<0.4	0.81	<0.4	<0.4	NPD	<0.4	<0.5	24	4.4	0.48	<0.23	*16*	10	6	<0.15	51	9	73	11	84
	4/7/14	2.2	0.26	<2.2	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	<0.26	<0.24	1.3	3.3	<0.13	<0.17	3.4	<0.5	0.7	<0.33	9.4	4.3	10.8	0.54	11.34
	7/9/14	*1.8*	2	<2.2	<0.18	<0.37	<0.5	<0.17	<0.24	NPD	<0.26	<0.26	8	3.6	<0.5	<0.17	2.8	1.7	2.3	<0.33	13.1	2.9	15.2	1.3	16.5
MW-5	6/27/08	<0.16	<0.24	<0.29	<0.23	<0.4	<0.3	<0.3	<0.4	NPD	<0.4	<0.5	0.47	<0.2	<0.17	<0.23	<0.6	<0.2	0.76	<0.15	<0.24	<0.19	0.62	<0.5	0.62
	9/24/08	<0.16	<0.24	<0.29	<0.23	<0.4	<0.3	<0.3	<0.4	NPD	0.43	<0.5	0.36	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	<0.15	0.25	<0.19	<0.5	<0.5	<1.0
	6/3/09	<0.16	<0.24	<0.29	<0.23	<0.4	<0.3	<0.3	<0.4	NPD	<0.4	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	0.3	<0.24	<0.19	<0.5	<0.5	<1.0
	10/14/09	<0.16	<0.24	<0.29	<0.23	<0.4	0.54	<0.3	<0.4	NPD	0.96	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	*0.69*	<0.24	<0.19	<0.5	<0.5	<1.0
	4/7/14	<0.5	<0.22	<2.2	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	<0.26	<0.24	<0.5	<0.12	<0.13	<0.17	<2.5	<0.5	<0.5	<0.33	<0.5	<0.5	<1	<0.5	<1.5
	7/9/14	<0.5	<0.5	2.2	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	<0.26	<0.26	<0.5	3.2	<0.5	<0.17	<2.5	<0.5	<0.5	<0.33	<0.5	<0.5	<1	<0.5	<1.5
	8/9/21	*0.85* J	1.7	5.4	< 0.59	< 1.4	< 1.6	< 0.29	< 0.30	<0.58	2.5	< 0.53	19.8 J	9.7	< 1.0	< 1.1	4.2 J	13.9	< 0.29	< 0.32	5.9	13.3	18.7	< 0.35	18.70
MW-6	6/27/08	<0.16	<0.24	0.96	<0.23	<0.4	<0.3	*0.83*	<0.4	NPD	*8.7*	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	**5.9**	<0.24	<0.19	<0.5	<0.5	<1.0
	9/24/08	<0.16	<0.24	0.42	<0.23	<0.4	<0.3	*1.6*	<0.4	NPD	*8.9*	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	**11**	<0.24	<0.19	<0.5	<0.5	<1.0
	10/22/08	<0.16	<0.24	0.37	<0.23	<0.4	0.35	*1.6*	<0.4	NPD	*10*	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	**15**	<0.4	<0.19	<0.5	<0.5	<1.0
	6/3/09	<0.16	<0.24	<0.29	<0.23	<0.4	0.43	0.49	<0.4	NPD	4.1	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	**9.5**	<0.24	<0.19	<0.5	<0.5	<1.0
	10/14/09	<0.16	<0.24	<0.29	<0.23	<0.4	0.63	<0.4	<0.4	NPD	2.6	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	0.48	*2.3*	<0.24	<0.19	<0.5	<0.5	<1.0
	4/7/14	<0.5	<0.22	<2.2	<0.18	<0.37	<0.5	*0.87*	<0.41	NPD	5.7	<0.24	<0.5	<0.12	<0.13	<0.17	<2.5	<0.5	<0.5	**6.3**	<0.5	<0.5	<1	<0.5	<1.5
	7/9/14	<0.5	<0.5	3.1	<0.18	<0.37	<0.5	*0.59*	<0.41	NPD	3.9	<0.26	<0.5	<0.14	<0.5	<0.17	<2.5	<0.5	<0.5	**7.9**	<0.5	<0.5	<1	<0.5	<1.5
	8/9/21	< 0.30	< 0.86	< 0.42	< 0.59	< 1.4	< 1.6	*1.2*	< 0.30	<0.58	*10.9*	< 0.53	< 0.33	< 1.0	< 1.0	< 1.1	< 1.1	< 0.35	< 0.29	**18.3**	< 0.45	< 0.36	< 0.70	< 0.35	<1.05
PZ-6	6/3/09	0.24	<0.24	<0.29	<0.23	<0.4	<0.3	**12**	<0.4	NPD	*10*	<0.5	<0.28	<0.2	<0.17	0.81	<0.6	<0.2	<0.2	**47**	<0.24	<0.19	<0.5	<0.5	<1.0
	10/1/09	<0.16	<0.24	<0.29	<0.23	<0.4	0.86	**12**	<0.4	NPD	*9.6*	<0.5	<0.28	<0.2	<0.17	1.3	<0.6	<0.2	<0.2	**43**	<0.24	<0.19	<0.5	<0.5	<1.0
	4/7/14	<0.5	<0.22	<2.2	<0.18	<0.37	<0.5	**17.6**	<0.41	NPD	*30.4*	0.78	<0.5	<0.12	<0.13	2.1	<2.5	<0.5	<0.5	**50**	<0.5	<0.5	<1	<0.5	<1.5
	7/9/14	<0.5	<0.5	<2.2	<0.18	<0.37	<0.5	**18.4**	0.58	NPD	*18.5*	0.43	<0.5	<0.14	<0.5	2.1	<2.5	<0.5	<0.5	**74.7**	<0.5	<0.5	<1	<0.5	<1.5
	8/9/21	< 0.30	< 0.86	< 0.42	< 0.59	< 1.4	< 1.6	**22.1**	< 0.30	0.64 J	*14.2*	< 0.53	< 0.33	< 1.0	< 1.0	2.3 J	< 1.1	< 0.35	< 0.29	**54.8**	< 0.45	< 0.36	< 0.70	< 0.35	<1.05

Table 4
Groundwater Summary - Detected VOCs
Former Doug's Garage, Chilton, WI
BRRTS No. 02-54-000361

Well Location	Sample Date	Benzene (ug/L)	n-Butyl benzene (ug/L)	sec-Butyl benzene (ug/L)	tert-Butyl benzene (ug/L)	Chloro ethane (ug/L)	Chloro methane (ug/L)	1,2-Dichloro ethane ug/L)	1,1-Dichloro ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	cis-1,2-Dichloro ethene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Ethylbenzene (ug/L)	Isopropyl benzene (ug/L)	p-Isopropyl toluene (ug/L)	Methyl-tert butyl-ether (ug/L)	Naphthalene (ug/L)	n-Propyl benzene (ug/L)	Toluene (ug/L)	Trichloroethene (ug/L)	1,2,4-Trimethyl benzene (ug/L)	1,3,5-Trimethyl benzene (ug/L)	m&p-Xylenes (ug/L)	o-Xylene (ug/L)	Total Xylenes (ug/L)
PAL[A]		0.5	NE	NE	NE	80	3	0.5	0.7	0.7	7	20	140	NE	NE	12	10	NE	160	0.5	96*	96*	400	400	400
ES[B]		5	NE	NE	NE	400	30	5	7	7	70	100	700	NE	NE	60	100	NE	800	5	480*	480*	2000	2000	2000
MW-A1	6/27/08	**1700**	140	<29	<23	<40	<30	<30	<40	NPD	<40	<50	**2300**	160	<17	<23	**430**	320	**2400**	<15	2200	550	**7600**	**2200**	9800
	9/24/08	**780**	<24	<29	<23	<40	<30	<30	<40	NPD	<40	<50	**830**	47	<17	<23	**190**	120	**1100**	<15	880	210	**2700**	*900*	3600
	6/3/09	**480**	10	<7.3	<5.8	<10	<7.5	<7.5	<10	NPD	<10	<13	*470*	27	<4.3	<5.8	*92*	72	*500*	<3.8	480	120	*1400*	*440*	1840
	10/14/09	**980**	22	7.4	<4.6	<8	<6	<8	<8	NPD	<8	<10	**800**	52	5	<4.6	**190**	150	**1000**	<3	900	260	**2300**	*780*	3080
	4/7/14	**7**	<0.22	<2.2	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	<0.26	<0.24	10.1	0.76	<0.13	<0.17	<2.5	1.7	7.9	<0.33	15.2	3.6	27.6	8.2	35.8
	7/9/14	**75.9**	<0.5	2.8	<0.18	<0.37	<0.5	*0.56*	<0.41	NPD	<0.26	<0.26	120	7.9	<0.5	<0.17	*21.8*	16.1	86.7	<0.33	113	29.2	250	70.6	320.6
	8/9/21	**422**	11.6	4.1[J]	< 2.9	< 6.9	< 8.2	< 1.5	< 1.5	<2.9	< 2.4	< 2.6	*699*	33.4	< 5.2	< 5.6	*86.4*	86.6	*480*	< 1.6	*453*	*107*	*1430*	118	1548
MW-A2	9/24/08	0.43	<0.24	<0.29	<0.23	<0.4	<0.3	<0.3	<0.4	NPD	<0.4	<0.5	1.5	<0.2	<0.17	<0.23	<0.6	0.26	1.2	**40**	1.5	0.36	4.4	1.2	5.6
	10/22/08	<1.6	<0.24	<0.29	<0.23	<0.4	1.3	<0.3	<0.4	NPD	0.55	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	**41**	<0.24	<0.19	<0.5	<0.5	<1.0
	6/3/09	<0.16	<0.24	<0.29	<0.23	<0.4	0.34	<0.3	<0.4	NPD	*37*	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	**64**	<0.24	<0.19	<0.5	<0.5	<1.0
	10/14/09	<0.16	<0.24	<0.29	<0.23	<0.4	0.63	<0.3	<0.4	NPD	0.84	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	**27**	<0.24	<0.19	<0.5	<0.5	<1.0
	4/7/14	<0.5	<0.22	<2.2	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	1.1	<0.24	<0.5	<0.12	<0.13	<0.17	<2.5	<0.5	<0.5	**16.2**	<0.5	<0.5	<1	<0.5	<1.5
	7/9/14	<0.5	<0.5	<2.2	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	0.99	<0.26	<0.5	<0.14	<0.5	<0.17	<2.5	<0.5	<0.5	**24**	<0.5	<0.5	<1	<0.5	<1.5
	8/9/21	< 0.30	< 0.86	< 0.42	< 0.59	< 1.4	< 1.6	< 0.29	< 0.30	<0.58	< 0.47	< 0.53	< 0.33	< 1.0	< 1.0	< 1.1	< 1.1	< 0.35	< 0.29	**7.9**	< 0.45	< 0.36	< 0.70	< 0.35	<1.05
MW-A3	9/24/08	0.41	<0.24	<0.29	<0.23	<0.4	<0.3	<0.3	<0.4	NPD	<0.4	<0.5	1.6	<0.2	<0.17	<0.23	<0.6	0.27	1.2	*1.7*	1.6	0.39	4.7	1.2	5.9
	6/3/09	<0.16	<0.24	<0.29	<0.23	<0.4	<0.3	<0.3	<0.4	NPD	<0.4	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	*1.2*	<0.24	<0.19	<0.5	<0.5	<1.0
	10/14/09	<0.16	<0.24	<0.29	<0.23	<0.4	0.57	<0.3	<0.4	NPD	<0.4	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	*0.56*	<0.24	<0.19	<0.5	<0.5	<1.0
	4/7/14	<0.5	<0.22	<2.2	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	0.56	<0.24	<0.5	<0.12	<0.13	<0.17	<2.5	<0.5	<0.5	**10.6**	<0.5	<0.5	<1	<0.5	<1.5
	7/9/14	<0.5	<0.5	<2.2	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	<0.26	<0.26	<0.5	<0.14	<0.5	<0.17	<2.5	<0.5	<0.5	**6.7**	<0.5	<0.5	<1	<0.5	<1.5
	8/9/21	< 0.30	< 0.86	< 0.42	< 0.59	< 1.4	< 1.6	0.47[J]	< 0.30	<0.58	4.7	0.59[J]	< 0.33	< 1.0	< 1.0	< 1.1	< 1.1	< 0.35	< 0.29	**44**	< 0.45	< 0.36	< 0.70	< 0.35	<1.05
MW-A4	9/24/08	0.47	<0.24	<0.29	<0.23	<0.4	<0.3	<0.3	<0.4	NPD	<0.4	<0.5	1.6	<0.2	<0.17	<0.23	<0.6	0.26	1.2	<0.15	1.4	0.33	4.4	1.3	5.7
	6/3/09	<0.16	<0.24	<0.29	<0.23	<0.4	0.52	<0.3	<0.4	NPD	<0.4	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	<0.15	<0.24	<0.19	<0.5	<0.5	<1.0
	10/14/09	<0.16	<0.24	<0.29	<0.23	<0.4	0.64	<0.4	<0.4	NPD	<0.4	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	<0.15	<0.24	<0.19	<0.5	<0.5	<1.0
	4/7/14	<0.4	<0.22	<2.2	<0.18	<0.37	<0.5	<0.16	<0.41	NPD	<0.26	<0.24	<0.5	<0.12	<0.13	<0.17	<2.5	<0.5	<0.5	<0.33	<0.5	<0.5	<1	<0.5	<1.5
	7/9/14	<0.5	<0.5	<2.2	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	<0.26	<0.26	<0.5	<0.14	<0.5	<0.17	<2.5	<0.5	<0.5	<0.33	<0.5	<0.5	<1	<0.5	<1.5
	8/10/21	< 0.30	< 0.86	< 0.42	< 0.59	< 1.4	< 1.6	< 0.29	< 0.30	<0.58	< 0.47	< 0.53	< 0.33	< 1.0	< 1.0	< 1.1	< 1.1	< 0.35	< 0.29	< 0.32	< 0.45	< 0.36	< 0.70	< 0.35	<1.05
MW-A5	6/3/09	<0.16	<0.24	<0.29	<0.23	<0.4	0.63	<0.3	<0.4	NPD	<0.4	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	**8.9**	<0.24	<0.19	<0.5	<0.5	<1.0
	10/14/09	<0.16	<0.24	<0.29	<0.23	<0.4	0.61	<0.3	<0.4	NPD	0.47	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	**10**	<0.24	<0.19	<0.5	<0.5	<1.0
	4/7/14	<0.5	<0.22	<2.2	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	<0.26	<0.24	<0.5	<0.12	<0.13	<0.17	<2.5	<0.5	<0.5	*0.95*	<0.5	<0.5	<1	<0.5	<1.5
	7/9/14	<0.5	<0.5	<2.2	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	<0.26	<0.26	<0.5	<0.14	<0.5	<0.17	<2.5	<0.5	<0.5	*3.2*	<0.5	<0.5	<1	<0.5	<1.5
	8/9/21	< 0.30	< 0.86	< 0.42	< 0.59	< 1.4	< 1.6	< 0.29	< 0.30	<0.58	< 0.47	< 0.53	< 0.33	< 1.0	< 1.0	< 1.1	< 1.1	< 0.35	< 0.29	*1.1*	< 0.45	< 0.36	< 0.70	< 0.35	<1.05
MW-A6	6/3/09	<0.16	<0.24	<0.29	<0.23	<0.4	0.42	<0.3	<0.4	NPD	<0.4	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	**7**	<0.24	<0.19	<0.5	<0.5	<1.0
	10/14/09	<0.16	<0.24	<0.29	<0.23	<0.4	0.89	<0.3	<0.4	NPD	<0.4	<0.5	<0.28	<0.2	<0.17	<0.23	<0.6	<0.2	<0.2	**5.7**	<0.24	<0.19	<0.5	<0.5	<1.0
	4/7/14	<0.5	<0.22	<2.2	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	<0.26	<0.24	<0.5	<0.12	<0.13	<0.17	<2.5	<0.5	<0.5	*4.1*	<0.5	<0.5	<1	<0.5	<1.5
	7/9/14	<0.5	<0.5	<2.2	<0.18	<0.37	<0.5	<0.17	<0.41	NPD	<0.26	<0.26	<0.5	<0.14	<0.5	<0.17	<2.5	<0.5	<0.5	**6.4**	<0.5	<0.5	<1	<0.5	<1.5
	8/9/21	< 0.30	< 0.86	< 0.42	< 0.59	< 1.4	< 1.6	< 0.29	< 0.30	<0.58	< 0.47	< 0.53	< 0.33	< 1.0	< 1.0	< 1.1	< 1.1	< 0.35	< 0.29	*2.4*	< 0.45	< 0.36	< 0.70	< 0.35	<1.05

Notes:

ug/L = micrograms per liter NE= Not Established

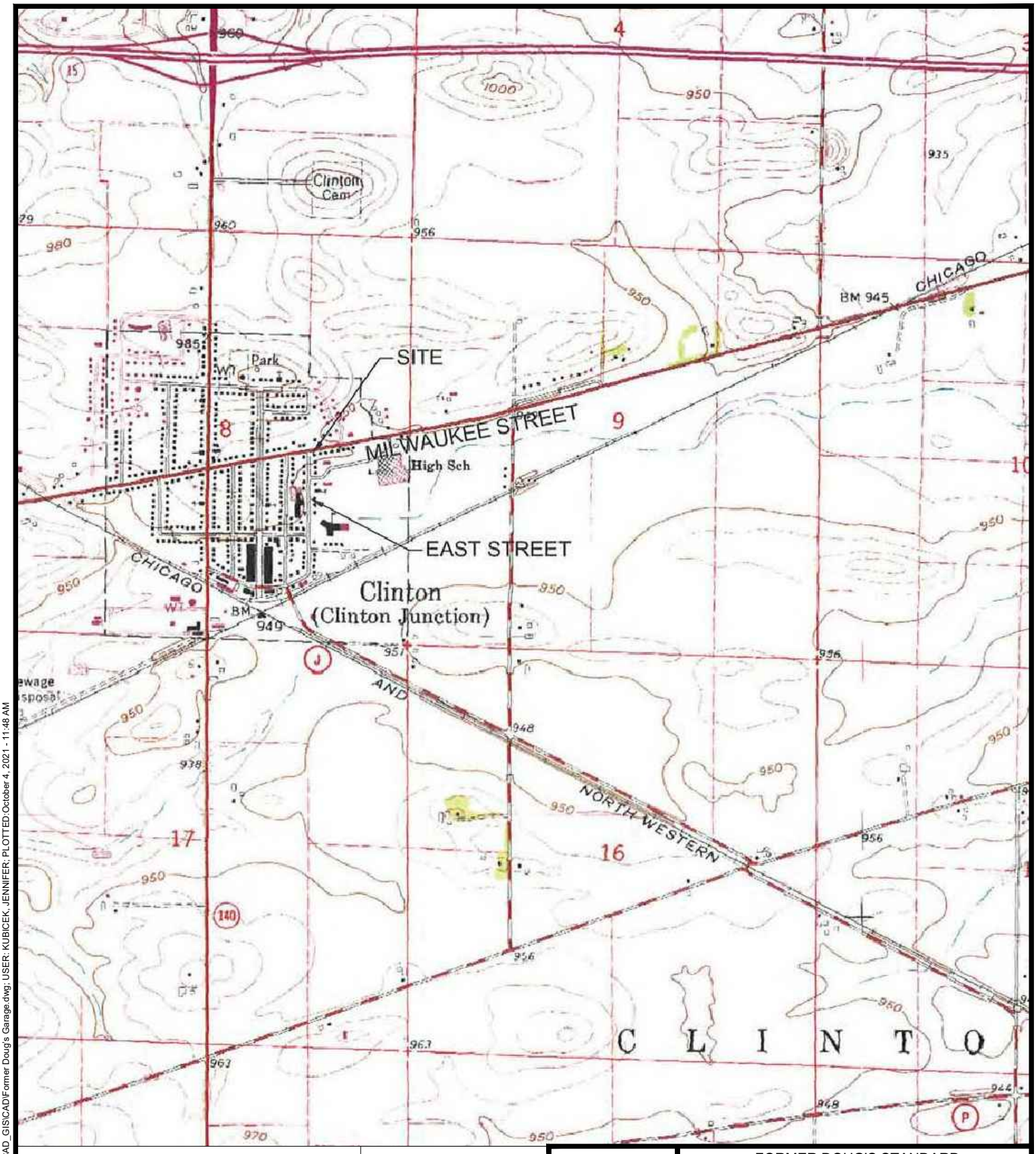
NA - not analyzed NPD-Not previously Detected

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**.

* PAL or ES is for total trimethylbenzenes or total xylenes.

FIGURES



0' 200' 400' 800'

SCALE

Notes:

1. TOPO map from http://store.usgs.gov Clinton quadrangle, dated: 2010

STATE OF WI

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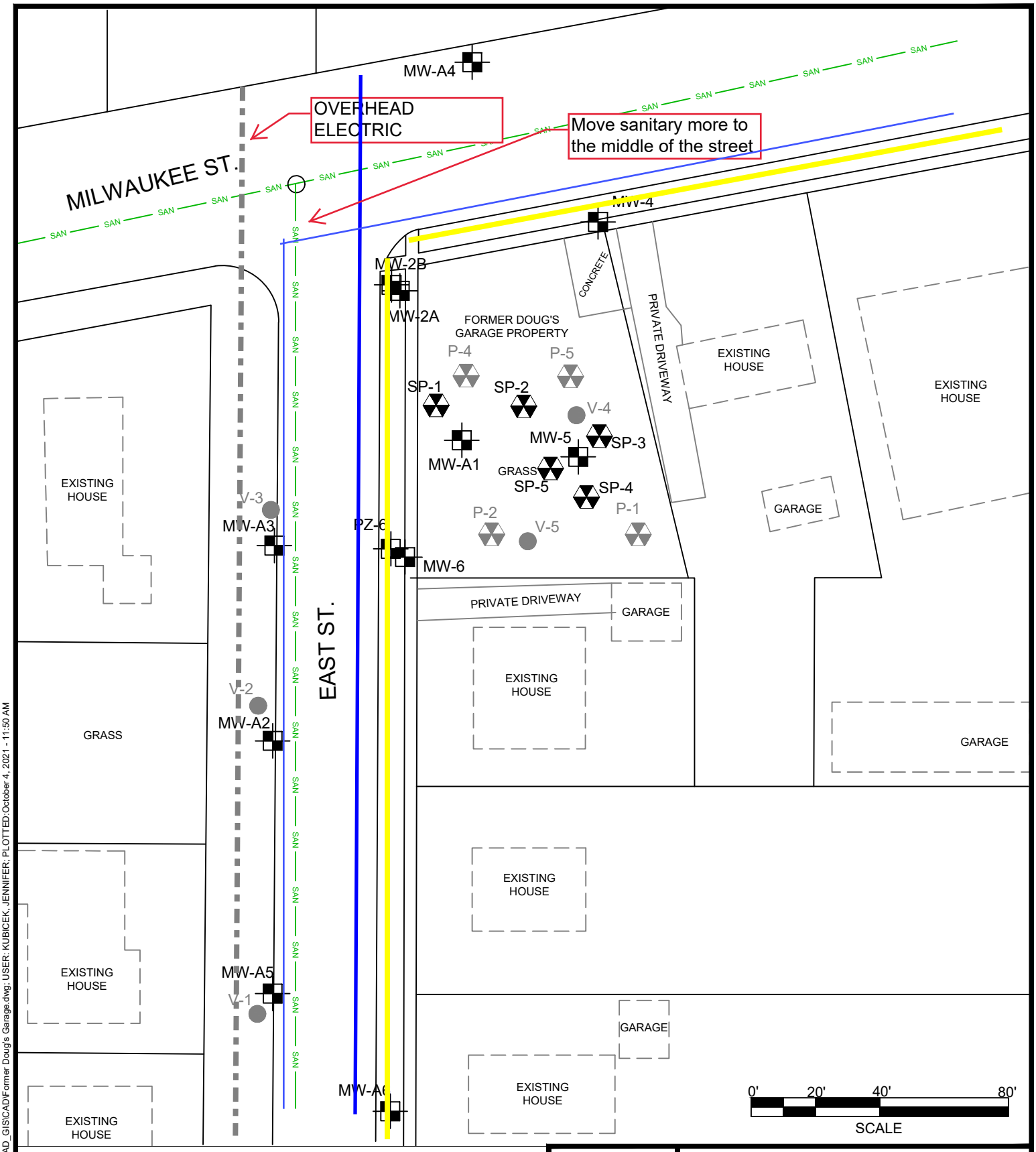
FORMER DOUG'S STANDARD
135 MILWAUKEE ST.
CLINTON, WI

SITE LOCATION MAP

Project Number:	Drawn By:	Date:	Figure No. 1
60657253	CAS	5/7/2021	

File: L:\DCS\Projects\60657253\900_CAD_GIS\CAD\Former Doug's Garage.dwg; USER: KUBICEK, JENNIFER; PLOTTED:October 4, 2021 - 11:48 AM



Legend:

- Historic Soil Probe Location
- Monitoring Well/Piezometer
- Vapor Points
- August 2021 Soil Probe Location
- Sanitary Sewer Line
- GAS
- OVERHEAD ELECTRIC
- 6" WATER
- 4" WATER

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FORMER DOUG'S STANDARD
135 MILWAUKEE ST.
CLINTON, WI

SITE LAYOUT

Project Number:	Drawn By:	Date:	Figure No. 2
60657253	CAS	9/16/2021	

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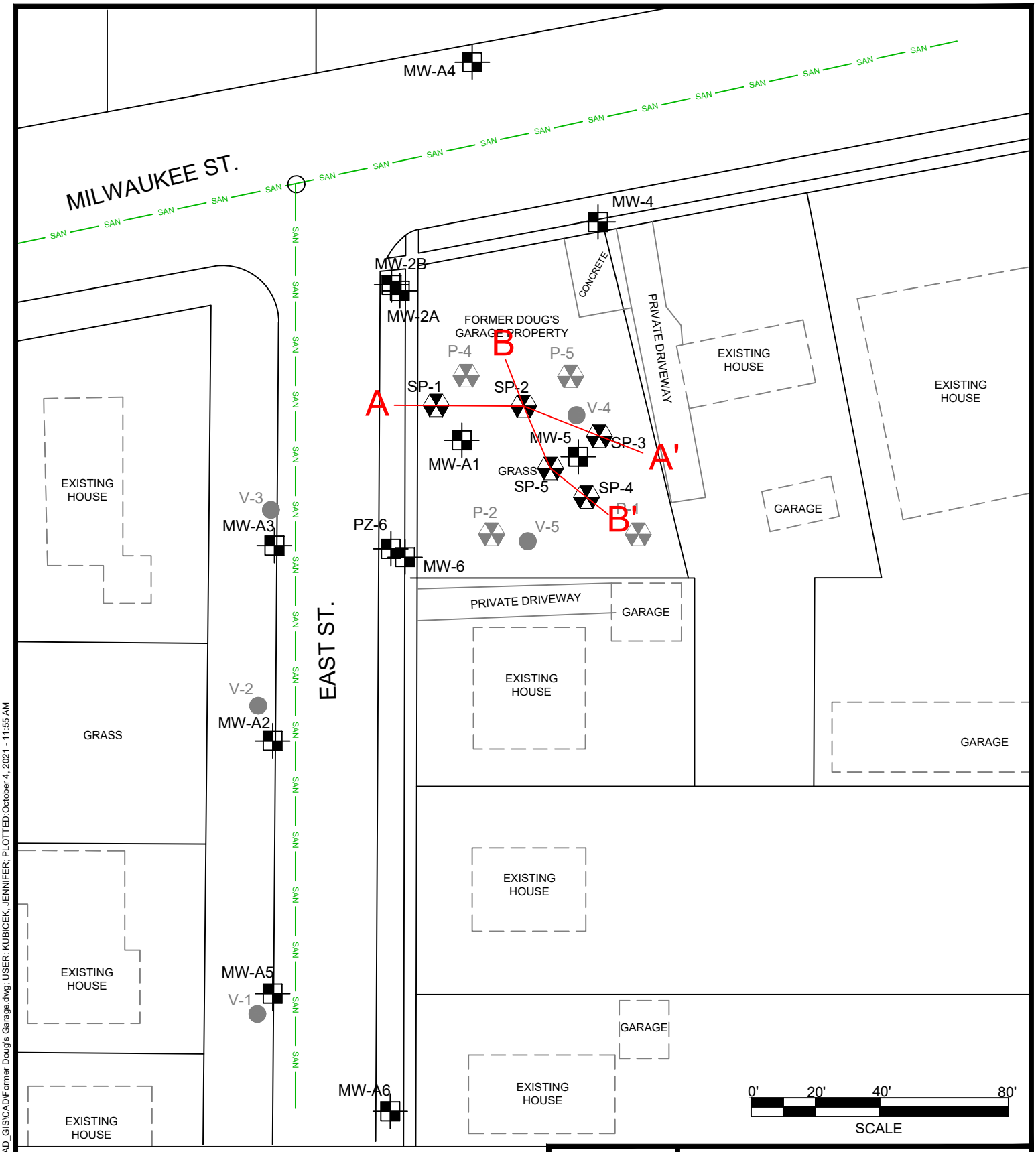

Legend:

- Soil Probe
- Monitoring Well/Piezometer
- Vapor Points
- Installed/Sampled Soil Probe Location
- Sanitary Sewer Line

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FORMER DOUG'S STANDARD
135 MILWAUKEE ST.
CLINTON, WI

CROSS-SECTION LOCATION MAP

Project Number:	Drawn By:	Date:	Figure No. 3
60657253	CAS	9/16/2021	

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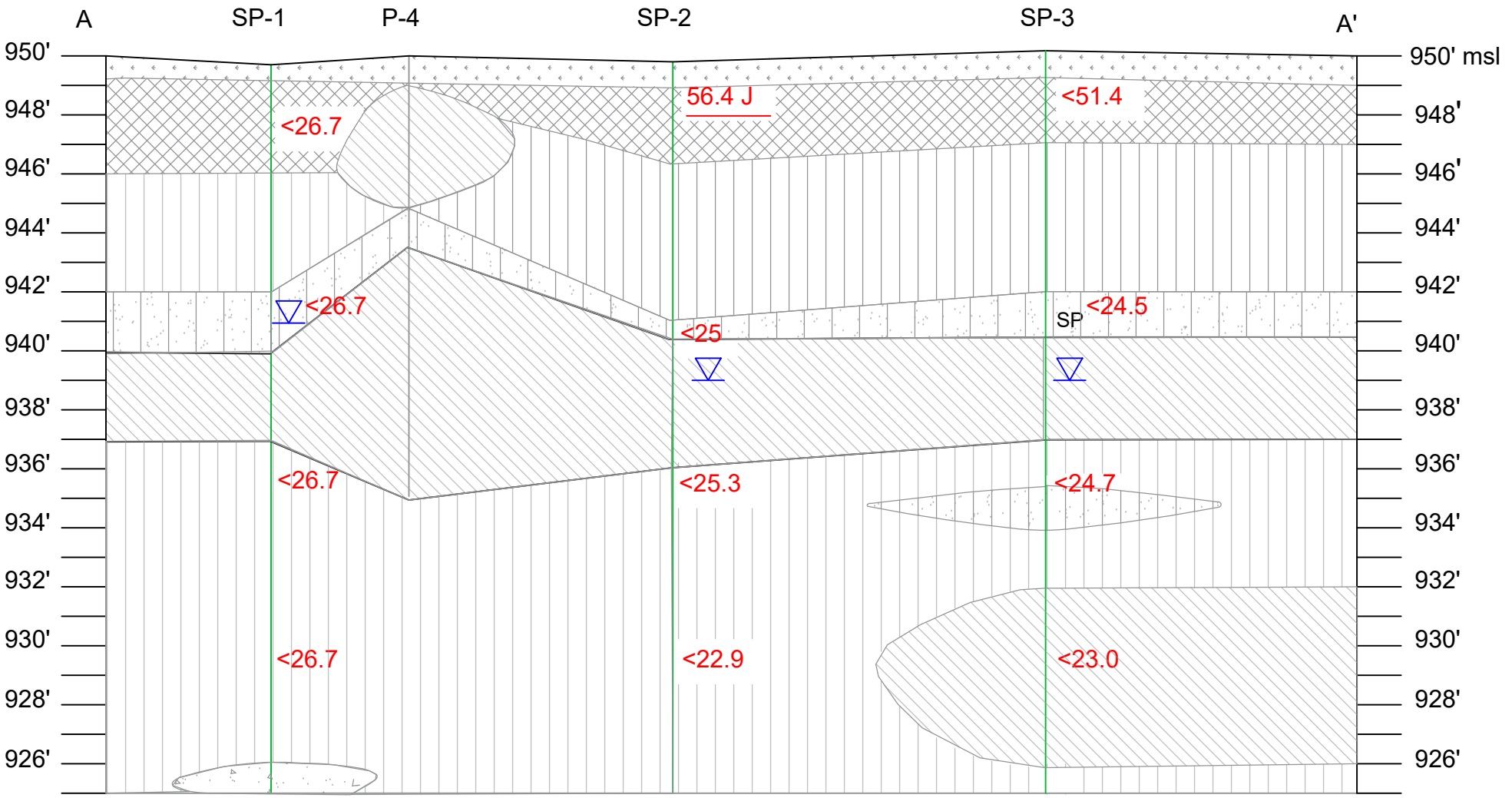
CROSS SECTION A-A' LOOKING NORTH



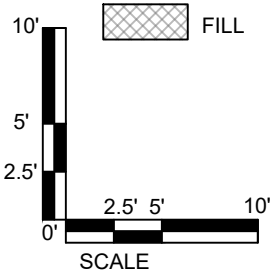
LEGEND:

- TOPSOIL
- FILL
- SILT WITH SAND/SILTY SAND WITH GRAVEL
- SAND
- SAND WITH SILT
- CLAY
- GEOPROBE BORINGS

TCE SOIL DATA IN UG/KG INDICATED BY RED NUMBERS. DATA EXCEEDING THE NR 720 GENERIC GROUNDWATER PATHWAY RCL ARE UNDERLINED. TCE WAS NOT DETECTED ABOVE THE NR720 DIRECT CONTACT RCLS.

NOTES:

1. LOOKING NORTHEAST
2. < = NOT DETECTED ABOVE STATED REPORTING LIMIT
   J = ESTIMATED CONCENTRATION DETECTED BELOW THE REPORTING LIMIT
3. DATA WAS COMPARED TO 2018 GENERIC DIRECT CONTACT AND GROUNDWATER PATHWAY RCLS.
4. ELEVATION IN MEAN SEA LEVEL (MSL), NGVD 1988



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FORMER DOUG'S GARAGE SITE

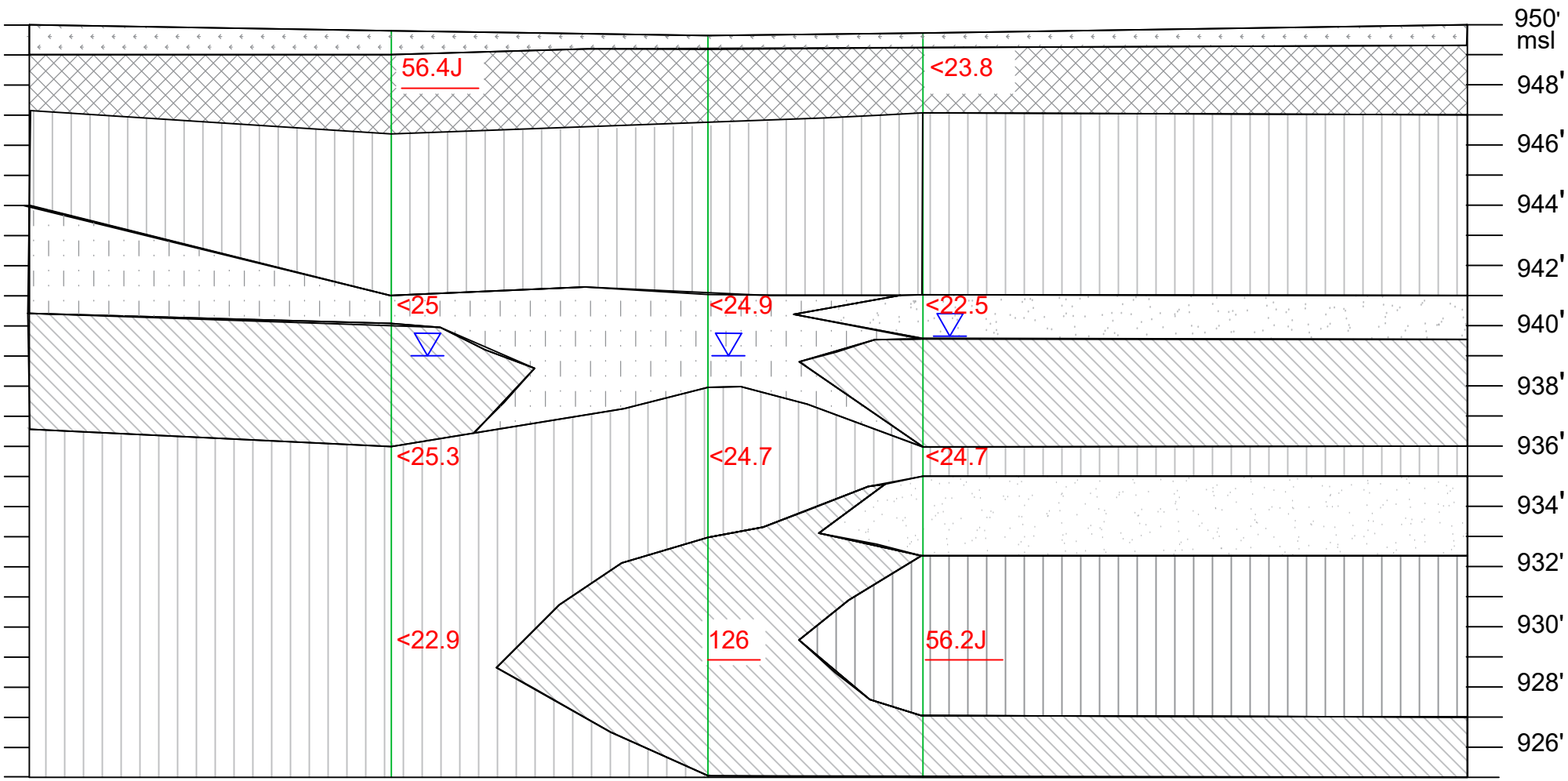
CROSS SECTION A-A'

AECOM

Project Number: 60307064 | Drawn By: SAE/ANS | Date: 11/9/2021

Figure 4

CROSS SECTION B-B' LOOKING EAST-NORTHEAST



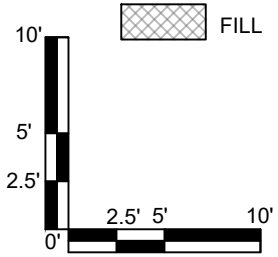
LEGEND:

- TOPSOIL
- FILL
- SILT WITH SAND/SILTY SAND WITH GRAVEL
- SAND
- SAND WITH SILT
- CLAY
- GEOPROBE BORINGS

TCE SOIL DATA IN UG/KG INDICATED BY RED NUMBERS. DATA EXCEEDING THE NR 720 GENERIC GROUNDWATER PATHWAY RCL ARE UNDERLINED. TCE WAS NOT DETECTED ABOVE THE NR720 DIRECT CONTACT RCLS.

NOTES:

1. LOOKING NORTHEAST
2. < = NOT DETECTED ABOVE STATED REPORTING LIMIT
   J = ESTIMATED CONCENTRATION DETECTED BELOW THE REPORTING LIMIT
3. DATA WAS COMPARED TO 2018 GENERIC DIRECT CONTACT AND GROUNDWATER PATHWAY RCLS.
4. ELEVATION IN MEAN SEA LEVEL (MSL), NGVD 1988



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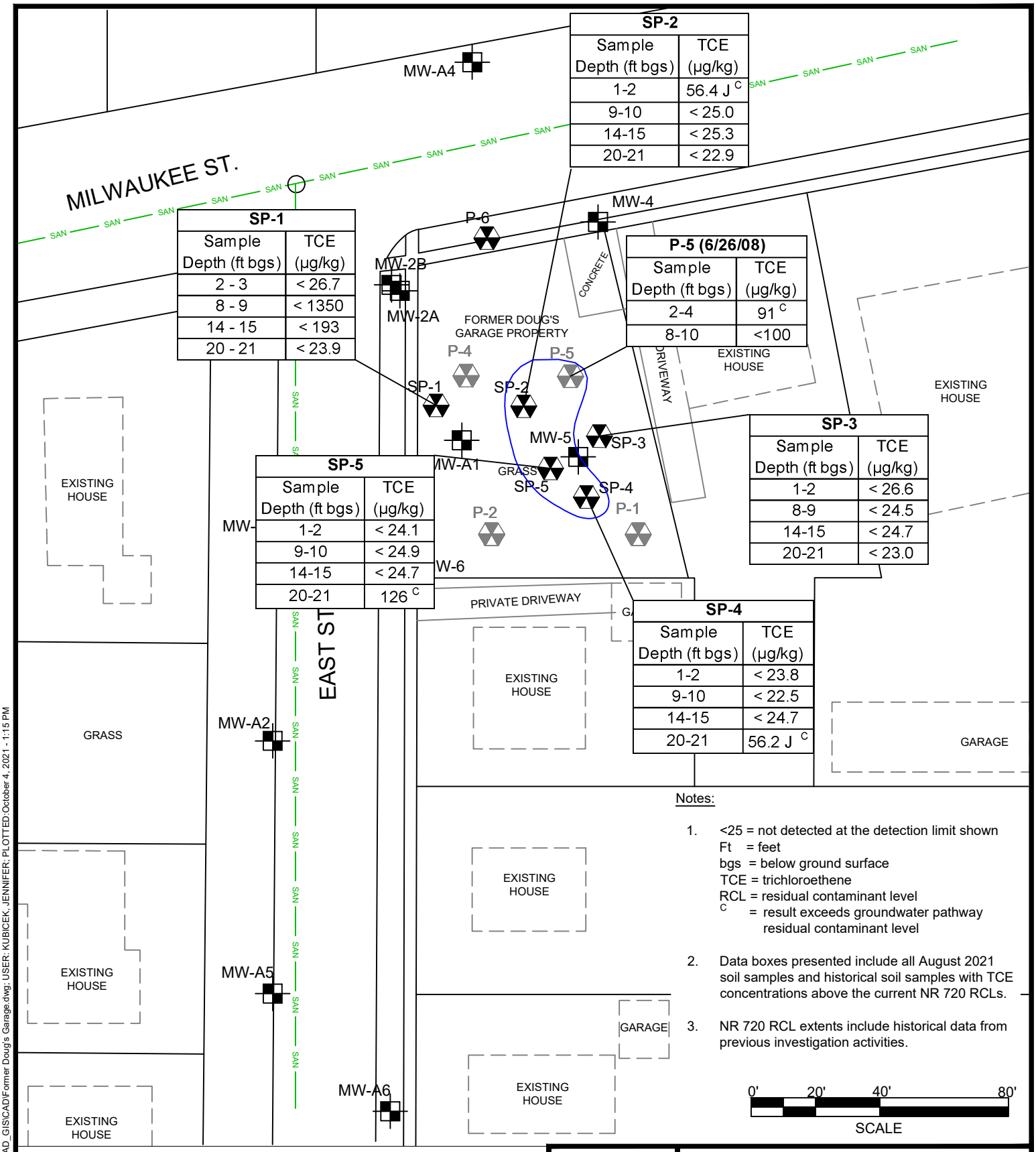
FORMER DOUG'S GARAGE SITE

CROSS SECTION B-B'

Project Number:	Drawn By:	Date:	
60307064	SAE/ANS	11/9/2021	Figure 5



SP-1

Sample Depth (ft bgs)	TCE (µg/kg)
2 - 3	< 26.7
8 - 9	< 1350
14 - 15	< 193
20 - 21	< 23.9

SP-2

Sample Depth (ft bgs)	TCE (µg/kg)
1-2	56.4 J [C]
9-10	< 25.0
14-15	< 25.3
20-21	< 22.9

P-5 (6/26/08)

Sample Depth (ft bgs)	TCE (µg/kg)
2-4	91 [C]
8-10	<100

SP-3

Sample Depth (ft bgs)	TCE (µg/kg)
1-2	< 26.6
8-9	< 24.5
14-15	< 24.7
20-21	< 23.0

SP-4

Sample Depth (ft bgs)	TCE (µg/kg)
1-2	< 23.8
9-10	< 22.5
14-15	< 24.7
20-21	56.2 J [C]

SP-5

Sample Depth (ft bgs)	TCE (µg/kg)
1-2	< 24.1
9-10	< 24.9
14-15	< 24.7
20-21	126 [C]

Notes:

1. <25 = not detected at the detection limit shown
   Ft = feet
   bgs = below ground surface
   TCE = trichloroethene
   RCL = residual contaminant level
   [C] = result exceeds groundwater pathway residual contaminant level
2. Data boxes presented include all August 2021 soil samples and historical soil samples with TCE concentrations above the current NR 720 RCLs.
3. NR 720 RCL extents include historical data from previous investigation activities.

0' 20' 40' 80'
SCALE

Legend:
- Monitoring Well/Piezometer
- NR720 Groundwater Pathway Extent
- SAN Sanitary Sewer Line

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FORMER DOUG'S STANDARD
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TCE SOIL DATA AND EXTENT OF RCL EXCEEDANCES

Project Number: 60657253 | Drawn By: CAS | Date: 9/16/2021

Figure No. 6

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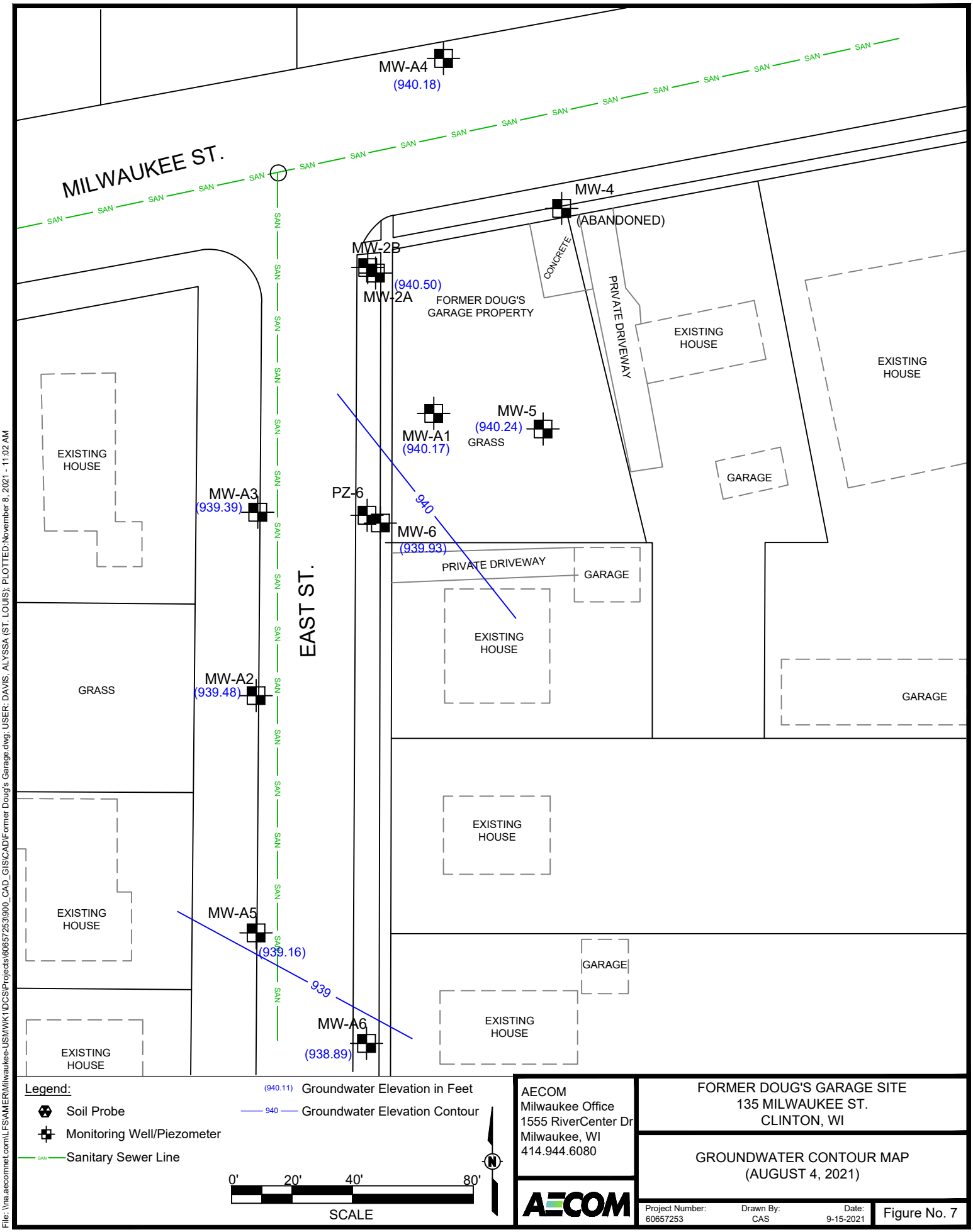

Legend:

- Soil Probe
- Monitoring Well/Piezometer
- SAN — Sanitary Sewer Line
- (940.11) Groundwater Elevation in Feet
- 940 — Groundwater Elevation Contour

0' 20' 40' 80'

SCALE

N

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FORMER DOUG'S GARAGE SITE
135 MILWAUKEE ST.
CLINTON, WI

GROUNDWATER CONTOUR MAP
(AUGUST 4, 2021)

Project Number:	Drawn By:	Date:	Figure No. 7
60657253	CAS	9-15-2021	

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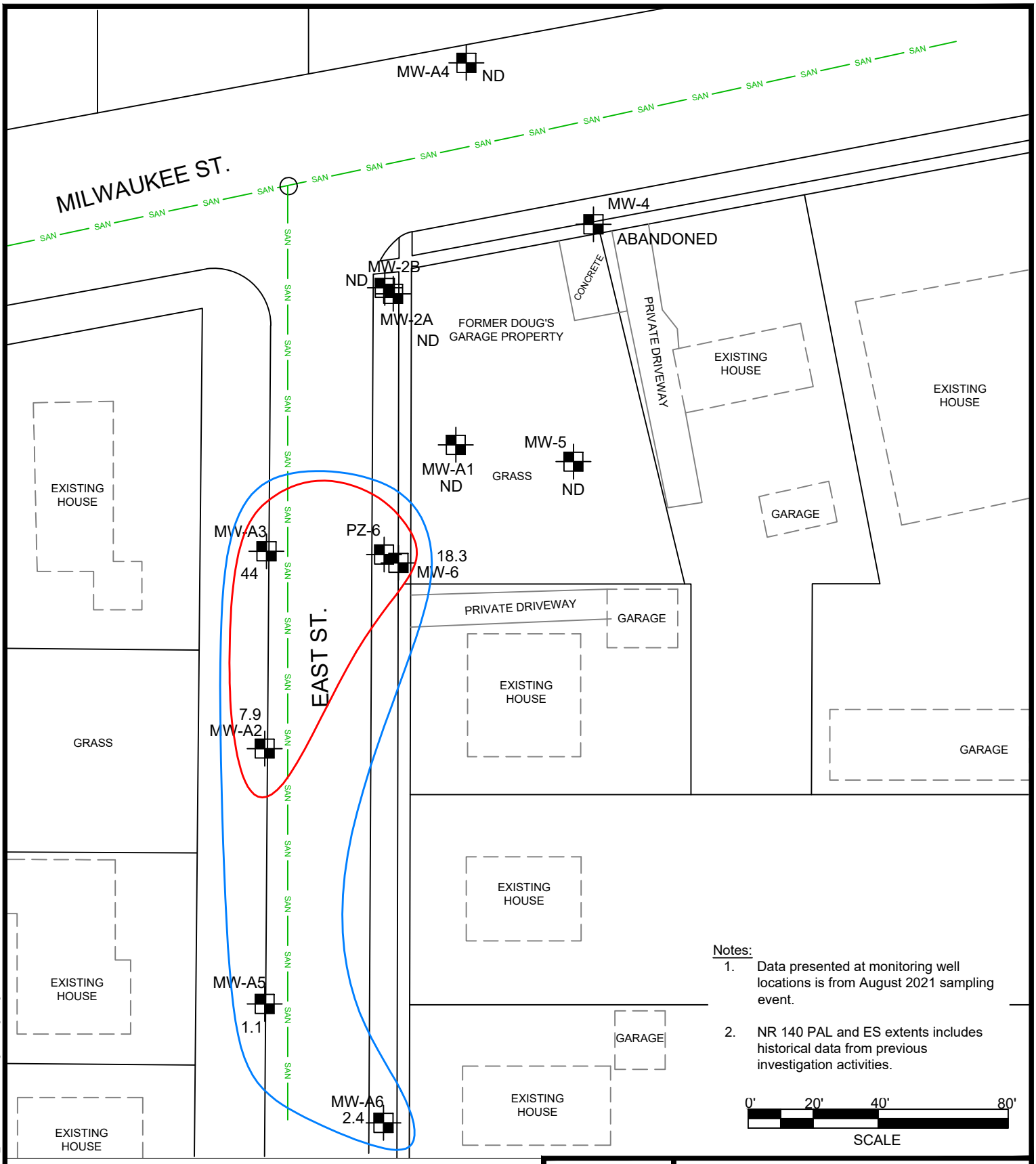

Notes:

1. Data presented at monitoring well locations is from August 2021 sampling event.
2. NR 140 PAL and ES extents includes historical data from previous investigation activities.

0' 20' 40' 80'

SCALE

Legend:

- Monitoring Well/Piezometer
- NR140 PAL Extent
- NR140 ES Extent
- SAN — Sanitary Sewer Line

TCE = trichloroethene

2.4 = TCE results in micrograms per liter

ND = not detected

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FORMER DOUG'S STANDARD
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TCE GROUNDWATER RESULTS
AND ISOCONCENTRATIONS

Project Number:	Drawn By:	Date:	Figure No. 8
60657253	CAS	9/16/2021	

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Appendix A Historical Soil and Groundwater Data

DOUG'S GARAGE

LABORATORY ANALYSIS - SOIL

JUNE, 1990 AND JUNE, 1991

TABLE 2

SAMPLE DEPTH (bgs)	7-8.5	9.5-11	12-13.5	14.5-16
Location				
SB-1	-	340	-	-
SB-2	-	-	350	-
SB-3	430	-	-	-
SB-4	-	-	3300	-
SB-5	-	-	*	*
SB-6	-	-	-	*
SB-7	-	*	-	*
SB-8	-	*	-	-
SB-9	-	-	*	*
SB-10	-	-	*	*

Concentrations in parts per million (ppm)

- = Not analyzed

** = Below method detection limit (<4.0 ppm)*

bgs = Below ground surface

NOTE: SB-1 through SB-4 analyzed June, 1990; SB-5 through SB-10 analyzed June, 1991

Table 1
Former Doug's Garage
Clinton
Soil Analytical Results
Volatile Organic Compounds (VOCs)

SAMPLE POINT	DATE	DEPTH	Benzene	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Ethyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Naphthalene	n-Propyl-benzene	Toluene	Trichloro ethene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	m&p-Xylene	0-Xylene
		feet	<- - - - - - Milligrams per Kilogram (mg/kg) - - - - ->														
P-1	6/26/2008	2-4	<0.008	<0.0092	<0.008	<0.0092	<0.008	<0.015	<0.008	<0.029	<0.014	<0.01	<0.013	<0.0069	<0.008	<0.017	<0.015
P-1	6/26/2008	6-8	<0.0071	<0.0081	<0.0071	<0.0081	<0.0071	<0.013	<0.0071	<0.025	<0.012	<0.0091	<0.011	<0.061	<0.0071	<0.015	<0.013
P-2	6/26/2008	0-2	<0.007	<0.008	<0.007	<0.008	<0.007	<0.013	<0.007	<0.025	<0.012	0.012	<0.011	0.047	0.016	0.036	<0.013
P-2	6/26/2008	6-8	<0.0073	<0.0084	<0.0073	<0.0084	<0.0073	<0.014	<0.0073	<0.026	<0.013	<0.0094	<0.012	<0.0063	<0.0073	<0.016	<0.014
MW-A1	6/26/2008	2-4	<0.0074	<0.0085	<0.0074	<0.085	<0.0074	<0.014	<0.0074	<0.027	<0.013	<0.0096	<0.012	<0.0064	<0.0074	<0.016	<0.014
MW-A1	6/26/2008	8-10	<0.0073	0.14	0.027	<0.0083	0.14	0.024	0.018	0.093	0.098	<0.0094	<0.011	0.61	0.14	0.44	0.095
P-4	6/26/2008	2-4	<0.007	<0.008	<0.007	<0.008	<0.007	<0.013	<0.007	<0.025	<0.012	<0.009	<0.011	<0.006	<0.007	<0.015	<0.013
P-4	6/26/2008	14-15	**0.62**	3.3	0.7	<0.17	**8**	1.2	0.43	2.6	4.4	**6.1**	<0.24	23	7.8	**28**	**9.3**
P-5	6/26/2008	2-4	<0.007	<0.008	<0.007	<0.008	<0.007	<0.013	<0.007	<0.025	<0.012	<0.009	0.091	<0.006	<0.007	<0.015	<0.013
P-5	6/26/2008	8-10	**0.44**	2	0.73	<0.074	**5**	0.93	1.1	2.2	2.3	0.41	<0.1	13	3.1	**13**	**5.5**
P-6	6/26/2008	2-4	<0.007	<0.008	<0.007	<0.008	<0.007	<0.013	<0.007	<0.025	<0.012	<0.009	<0.011	<0.006	<0.007	<0.015	0.013
P-6	6/26/2008	6-8	<0.007	0.92	0.24	<0.008	0.018	0.06	0.12	<0.025	0.34	<0.009	<0.011	0.92	0.38	0.026	<0.013
MW-A2	9/24/2008	0-2	<0.0078	<0.0089	<0.0078	<0.0089	<0.0078	<0.015	<0.0078	<0.028	<0.013	<0.01	<0.012	<0.0067	<0.0078	<0.017	<0.015
MW-A2	9/24/2008	4-6	<0.011	<0.012	<0.011	<0.012	<0.011	<0.02	<0.011	<0.038	<0.018	<0.014	<0.017	<0.0092	<0.011	<0.023	<0.02
MW-A3	9/24/2008	0-2	<0.0076	<0.0087	<0.0076	<0.0087	<0.0076	<0.014	<0.0076	<0.027	<0.013	<0.0098	<0.012	<0.0065	<0.0076	<0.016	<0.014
MW-A3	9/24/2008	4-6	<0.008	<0.0092	<0.008	<0.0092	<0.008	<0.015	<0.008	<0.029	<0.014	<0.01	<0.013	<0.0069	<0.008	<0.017	<0.015
MW-A4	9/24/2008	0-2	<0.0086	<0.0099	<0.0086	<0.0099	<0.0086	<0.016	<0.0086	<0.031	<0.015	<0.011	<0.014	<0.0074	<0.0086	<0.019	<0.016
MW-A4	9/24/2008	6-8	<0.0071	<0.0081	<0.0071	<0.0081	<0.0071	<0.013	<0.0071	<0.025	<0.012	<0.0091	<0.011	<0.006	<0.0071	<0.015	<0.013
MeOH Blank			<0.007	<0.008	<0.007	<0.008	<0.007	<0.013	<0.007	<0.025	<0.012	<0.009	<0.011	<0.006	<0.007	<0.015	<0.013
NR 720.09(4) RCLs			0.0055	NE	NE	NE	2.9	NE	NE	NE	NE	1.5		NE	NE	4.1	

BOLD Exceeds NR 720 Wisconsin Administrative Code Industrial Residual Contaminat Levels (RCLs).

Table 1
Former Doug's Garage
Clinton
Soil Analytical Results
Volatile Organic Compounds (VOCs)

SAMPLE POINT	DATE	DEPTH	Benzene	n-Butyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Ethyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Naphthalene	n-Propyl-benzene	Toluene	Trichloro ethene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	m&p-Xylene	o-Xylene
		feet	<- - - - - - Milligrams per Kilogram (mg/kg) - - - - ->														
P-1	6/26/2008	2-4	<0.008	<0.0092	<0.008	<0.0092	<0.008	<0.015	<0.008	<0.029	<0.014	<0.01	<0.013	<0.0069	<0.008	<0.017	<0.015
P-1	6/26/2008	6-8	<0.0071	<0.0081	<0.0071	<0.0081	<0.0071	<0.013	<0.0071	<0.025	<0.012	<0.0091	<0.011	<0.061	<0.0071	<0.015	<0.013
P-2	6/26/2008	0-2	<0.007	<0.008	<0.007	<0.008	<0.007	<0.013	<0.007	<0.025	<0.012	0.012	<0.011	0.047	0.016	0.036	<0.013
P-2	6/26/2008	6-8	<0.0073	<0.0084	<0.0073	<0.0084	<0.0073	<0.014	<0.0073	<0.026	<0.013	<0.0094	<0.012	<0.0063	<0.0073	<0.016	<0.014
MW-A1	6/26/2008	2-4	<0.0074	<0.0085	<0.0074	<0.085	<0.0074	<0.014	<0.0074	<0.027	<0.013	<0.0096	<0.012	<0.0064	<0.0074	<0.016	<0.014
MW-A1	6/26/2008	8-10	<0.0073	0.14	0.027	<0.0083	0.14	0.024	0.018	0.093	0.098	<0.0094	<0.011	0.61	0.14	0.44	0.095
P-4	6/26/2008	2-4	<0.007	<0.008	<0.007	<0.008	<0.007	<0.013	<0.007	<0.025	<0.012	<0.009	<0.011	<0.006	<0.007	<0.015	<0.013
P-4	6/26/2008	14-15	**0.62**	3.3	0.7	<0.17	**8**	**1.2**	0.43	2.6	4.4	**6.1**	<0.24	23	7.8	**28**	**9.3**
P-5	6/26/2008	2-4	<0.007	<0.008	<0.007	<0.008	<0.007	<0.013	<0.007	<0.025	<0.012	<0.009	0.091	<0.006	<0.007	<0.015	<0.013
P-5	6/26/2008	8-10	**0.44**	2	0.73	<0.074	**5**	0.93	1.1	2.2	2.3	0.41	<0.1	13	3.1	**13**	**5.5**
P-6	6/26/2008	2-4	<0.007	<0.008	<0.007	<0.008	<0.007	<0.013	<0.007	<0.025	<0.012	<0.009	<0.011	<0.006	<0.007	<0.015	0.013
P-6	6/26/2008	6-8	<0.007	0.92	0.24	<0.008	0.018	0.06	0.12	<0.025	0.34	<0.009	<0.011	0.92	0.38	0.026	<0.013
MW-A2	9/24/2008	0-2	<0.0078	<0.0089	<0.0078	<0.0089	<0.0078	<0.015	<0.0078	<0.028	<0.013	<0.01	<0.012	<0.0067	<0.0078	<0.017	<0.015
MW-A2	9/24/2008	4-6	<0.011	<0.012	<0.011	<0.012	<0.011	<0.02	<0.011	<0.038	<0.018	<0.014	<0.017	<0.0092	<0.011	<0.023	<0.02
MW-A3	9/24/2008	0-2	<0.0076	<0.0087	<0.0076	<0.0087	<0.0076	<0.014	<0.0076	<0.027	<0.013	<0.0098	<0.012	<0.0065	<0.0076	<0.016	<0.014
MW-A3	9/24/2008	4-6	<0.008	<0.0092	<0.008	<0.0092	<0.008	<0.015	<0.008	<0.029	<0.014	<0.01	<0.013	<0.0069	<0.008	<0.017	<0.015
MW-A4	9/24/2008	0-2	<0.0086	<0.0099	<0.0086	<0.0099	<0.0086	<0.016	<0.0086	<0.031	<0.015	<0.011	<0.014	<0.0074	<0.0086	<0.019	<0.016
MW-A4	9/24/2008	6-8	<0.0071	<0.0081	<0.0071	<0.0081	<0.0071	<0.013	<0.0071	<0.025	<0.012	<0.0091	<0.011	<0.006	<0.0071	<0.015	<0.013
MW-A5	5/19/2009	2-4	<0.0072	<0.0083	<0.0072	<0.0083	<0.0072	<0.013	<0.0072	<0.026	<0.012	<0.0093	<0.011	<0.0062	<0.0072	<0.015	<0.013
MW-A5	5/19/2009	6-8	<0.007	<0.008	<0.007	<0.008	<0.007	<0.013	<0.007	<0.025	<0.012	<0.009	<0.011	<0.006	<0.007	<0.015	<0.013
MW-A6	5/19/2009	2-4	<0.0082	<0.0093	<0.0082	<0.0093	<0.0082	<0.015	<0.0082	<0.029	<0.014	<0.011	<0.013	<0.007	<0.0082	<0.018	<0.015
MW-A6	5/19/2009	6-8	<0.007	<0.008	<0.007	<0.008	<0.007	<0.013	<0.007	<0.025	<0.012	<0.009	<0.011	<0.006	<0.007	<0.015	<0.013
MeOH Blank			<0.007	<0.008	<0.007	<0.008	<0.007	<0.013	<0.007	<0.025	<0.012	<0.009	<0.011	<0.006	<0.007	<0.015	<0.013
NR 720.09(4) RCLs			0.0055	NE	NE	NE	2.9	NE	NE	NE	NE	1.5		NE	NE	4.1	

BOLD Exceeds NR 720 Wisconsin Administrative Code Industrial Residual Contaminat Levels (RCLs).

Appendix B August 2021 Soil Boring Logs and Well Abandonment Form

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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

☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County: Rock	WI Unique Well # of Removed Well:	Hicap #	
Latitude / Longitude (see instructions): 43° 33' 30.28" N / 88° 51' 35.83" W	Format Code: ☐ DD ☒ DDM	Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001	
¼ ¼ NW ¼ SW or Gov't Lot #	Section: 8	Township: 1 N	Range: ☒ E ☐ W: 14
Well Street Address: 135 Milwaukee Street			
Well City, Village or Town: Clinton		Well ZIP Code: 53525	
Subdivision Name:		Lot #	
Reason for Removal from Service: blockage @ 6.88'	WI Unique Well # of Replacement Well:		

2. Facility / Owner Information

Facility Name: WS-112 Former Doug's Standard		
Facility ID (FID or PWS):		
License/Permit/Monitoring #:		
Original Well Owner:		
Present Well Owner:		
Mailing Address of Present Owner:		
City of Present Owner: Village of Clinton	State: WI	ZIP Code: 53525

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 06/04/1991

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify): 4

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)	Casing Depth (ft.)
15.0	2.0	15.0
Lower Drillhole Diameter (in.): 2.25		

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

If yes, to what depth (feet)? n/a

Depth to Water (feet): 6.88 - blockage

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

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ 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 ☒ Concrete
☐ Sand-Cement (Concrete) Grout ☐ 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
Surface	2	⅛ bag	½ gallon H_2O
2	6.88	¼ bag	½ gallon H_2O

Mastercraft Concrete Mix
Pure Wyoming Bentonite ⅜" Chips

6. Comments

** MW-4 **

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: AECOM	License #:	Date of Filling & Sealing or Verification (mm/dd/yyyy): 08/10/2021	
Street or Route: 1555 N River Center Drive		Telephone Number: (414) 944 6000	
City: Milwaukee	State: WI	ZIP Code: 53212	Signature of Person Doing Work: [signature]
Date Signed: 08/10/2021			

DNR Use Only

Date Received	Noted By
Comments	

Instructions

Well Filling and Sealing

Wisconsin Administrative Code (NR 811, NR 812, and NR 141 requires well owners to permanently fill and seal any unused wells/ drillholes/boreholes on their property. **As of June 1, 2008 water supply wells can only be filled and sealed by licensed well drillers and pump installers.**

1. Remove any pump, pump piping, debris or other obstacles that could interfere with the sealing operation.
2. Except when bentonite chips are used, the sealing material must be placed with the use of a conductor (tremie) pipe to fill the entire well column to the top with required sealing material. Refer to NR 812 and NR 141 for more details on filling and sealing requirements.

General Instructions: Fill out Well/Drillhole/Borehole Filling & Sealing Report Form 3300-005 as completely as possible for each well or borehole filled and sealed. Information should be provided for every box on the form where available. Sign each form. Please note that these forms are subject to change. (Personally identifiable information on these forms is not intended to be used for any other purpose.)

Verification Only of Fill and Seal: If you are only verifying that filling and sealing has previously occurred on a well and are NOT performing any filling and sealing work on the well, check the box near the top of the form. Complete Parts 1 and 2 of the form completely and any information you can provide in Parts 3, 4 and 5. You must provide comments in Part 6 as to the method used to verify both the filling and sealing of the well. Complete Part 7, including the date of Filling and Sealing or verification. It will be implied that you did do the filling and sealing work or the verification as stated in Part 7.

Route to: Check the appropriate routing box on the top of the form to assure proper routing to the DNR program requiring this well be filled and sealed. Mail the form and any attachments to the Department of Natural Resources, PO Box 7921, Madison, WI 53707-7921.

If you do any work to fill or seal the well, you must complete this form as intended and do not check the Verification Only of Fill and Seal box.

(1) **WELL LOCATION INFORMATION**

WI Unique Well #: Fill in the 2 alphabetic and 3 numeric Wisconsin Unique Well Number (WUWN) of the well being filled and sealed. Check the well, sample tap in the house or the fuse box for a WUWN if one has been assigned to the well.

Hicap #: If this was a high capacity well, enter the number assigned to the well by the Department.

Well Location: Locate the well by Public Land Survey (Gov't Lot or ¼ ¼, ¼, Section, Township and Range) AND latitude and longitude coordinates, using GPS or on-line map locators.

Format Code: Check which format you are reporting in: DD = Decimal Degrees __ __ . __ __ __ __ __° or DDM = Degrees Decimal Minutes __ __° __ __ . __ __ __' (Place decimal point appropriately).

Method Code: Check which method you are using to determine latitude/longitude: GPS008 = GPS Receiver; SCR002 = Online Map/ Viewer; OTH001 = Other.

(2) **FACILITY / OWNER INFORMATION**

If the well is located at a commercial or government facility, fill in the name of landfill, wastewater treatment facility, surface impoundment, spill or project.

Facility ID: Fill in the nine digits Facility ID (FID or PWS) assigned to the site by the Department.

License/Permit/Monitoring #: Fill in number assigned to facility by the Department. If unknown, leave blank.

Present Well Owner: Fill in the name, address, city, state and ZIP code of the present owner.

(3) **FILLED & SEALED WELL/DRILLHOLE/BOREHOLE INFORMATION**

Original Construction Date: Fill in the original date of construction for the well or boring in mm/dd/yyyy format. This section should include information about the original well.

Depth to Water: Enter depth to water from ground surface.

(4) **PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL:** Check only one box where Yes, No or Not Applicable is indicated. Check all boxes which apply otherwise.

(5) **MATERIAL USED TO FILL THE WELL/DRILLHOLE:** Enter the description of the filling material, the depth From and To, circle one measurement unit (Yards, Sacks or Volume), and enter the mix ratio or mud weight (in pounds per gallon).

(6) **COMMENTS:** Describe any of the above boxes in more detail or add information as required to describe the filling and sealing procedures.

(7) **NAME OF PERSON OR FIRM DOING SEALING WORK:** Enter the name (first and last) or firm name, address, and phone number of the person who supervised the work.

Date of Filling & Sealing or Verification: List Month/Day/Year (mm/dd/yyyy) the well was filled & sealed or verified filled & sealed.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: DOUG'S GARAGE	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-4
Facility License, Permit or Monitoring Number: _____		Wis. Unique Well Number: _____ DNR Well Number: _____
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	Section Location: NW 1/4 of SE 1/4 of Section 8, T 1 N, R 14 ☒ E ☐ W	Date Well Installed: 06/04/91 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: 35 ft.	Location of Well Relative to Waste/Source: ☒ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm): JEFF / GILES ENGINEERING
Is Well A Point of Enforcement Std. Application? ☒ Yes ☐ No		

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.5 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis): ~

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or 2.5 ft.

G. Filter pack, top _____ ft. MSL or 4.5 ft.

H. Well screen, top _____ ft. MSL or 5.0 ft.

I. Well screen, bottom _____ ft. MSL or 15.0 ft.

J. Filter pack, bottom _____ ft. MSL or 15.0 ft.

K. Borehole, bottom _____ ft. MSL or 15.5 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.25 in.

N. I.D. well casing 2.00 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 4.0 ft.
c. Material: ALUMINUM — Steel ☐ 04; Other ☒ ____
d. Additional protection? ☒ Yes ☐ No
If yes, describe: FLUSH MOUNTED

3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☒; Other ☐ ____

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

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

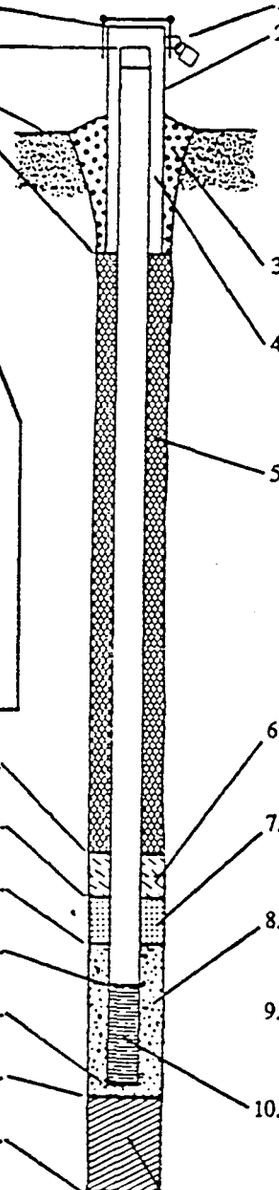
7. Fine sand material: Manufacturer, product name and mesh size
RED FLINT, FINE SAND 100
Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name and mesh size
RED FLINT, FILTER SAND 30
Volume added _____ ft^3

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

10. Screen material: FLUSH THREADED PVC
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01
_____ Other ☐ ____
Manufacturer MOUD FLEX
Slot size: 0.010 in.
Slotted length: 10.0 ft.

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



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

Signature: _____ Firm: SIGMA

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

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

State of Wisconsin
Department of Natural Resources

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
WCS-112 Former Doug's Standard		SP-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental	8/10/2021	8/10/2021	geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	949.7 Feet MSL	2.00

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 205572.59 N, 2275618.44 E S / C / N
NW 1/4 of SE 1/4 of Section 8, T 1 N, R 14 E
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Rock	54	Clinton

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	60 36		0	TOPSOIL with roots and trace gravel, black (10YR 2/1)	Topsoil									Start at 1055
			1	FILL: White crushed gravel with layers of silty, sandy clay, brown (10YR 3/3)										
			2					67.2						
			3		Fill									Sampled 2-3' at 1100
			4	Sandy SILT, dark yellowish brown (10YR 4/4)										
2	60 30		5		ML									
			6	SILT with sand, gray (10YR 4/1), moist										
			7		ML									
			8	SAND with silt, gray (10YR 3/1), moist, moderate odor				3,081						
			9	Wet at 9 feet bgs	SM									Sampled 8-9' at 1105
3	60 48		10	LEAN CLAY, gray (10YR 4/1), wet, cohesive, medium plasticity										
			11		CL									
			12											

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

Signature	Firm	Tel:
Keith Nielsen	AECOM Technical Services, Inc	Fax:

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SP-1 Use only as an attachment to Form 4400-122. Page 2 of 2

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
			13	LEAN CLAY, gray (10YR 4/1), wet, cohesive, medium plasticity *(continued)*	CL									
			13	Sandy SILT with gravel, gray (10YR 5/1) to grayish brown (10YR 5/2), wet, moderate odor										
			14					23.0						
4	60 30		15											Sampled 14-15' at 1110
			16											
			17											
			18											
			19		ML									
5	60 36		20					338.0						
			21											Sampled 20-21 at 1115
			22											
			23											
			24	GRAVEL, dry, pulverized concrete	GP									
			25	End of boring at 25 feet bgs										End at 1120

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
WCS-112 Former Doug's Standard		SP-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental	8/10/2021	8/10/2021	geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	949.8 Feet MSL	2.00

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 205573.03 N, 2275649.86 E S / C / N
NW 1/4 of SE 1/4 of Section 8, T 1 N, R 14 E
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Rock	54	Clinton

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	60 42		0 1 2 3	TOPSOIL with roots and trace gravel, black (10YR 2/1)	Topsoil									Start at 1055
				FILL: Gravelly SAND with some silt, dark grayish brown (10YR 5/2)	Fill			0.2						Sampled 1-2' at 1030
			4 5	SILT with sand, yellowish brown (10YR 5/4), dry										
2	60 54		6 7 8		ML									
			9	SAND with silt, dark yellowish brown (10YR 4/4), moist, mild odor	SM			7.4						
			10	CLAY, gray (10YR 5/1), wet, cohesive, mild plasticity										Sampled 9-10' at 1035
3	60 30		11	Wet at 11 feet bgs	CL									
			12											

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

Signature	Firm	Tel:
Keith Nielsen	AECOM Technical Services, Inc	Fax:

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 SUPPLEMENT
Form 4400-122A

Boring Number SP-2 Use only as an attachment to Form 4400-122. Page 2 of 2

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
			13	CLAY, gray (10YR 5/1), wet, cohesive, mild plasticity *(continued)*	CL									
			14	SILT with sand and trace gravel, yellowish brown (10YR 6/4) to pale brown (10YR 6/3) at 20.6 feet, wet				35.7						
4	60 48		15											Sampled 14-15' at 1040
			16											
			17											
			18											
			19											
			20		ML									
5	60 60		21					4.5						Sampled 20-21 at 1045
			22											
			23											
			24											
			25	End of boring at 25 feet bgs										End at 1050

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
WCS-112 Former Doug's Standard		SP-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental	8/10/2021	8/10/2021	geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	950.2 Feet MSL	2.00

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 205564.90 N, 2275672.29 E S / C / N
NW 1/4 of SE 1/4 of Section 8, T 1 N, R 14 E
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Rock	54	Clinton

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	TOPSOIL with roots and trace gravel, black (10YR 2/1)	Topsoil									
			2	FILL: Sandy gravel, brown (10YR 5/4), dry	Fill			0.2						Sampled 1-2' at 1000
1	60 60		3	SILT with sand, brown (10YR 5/4), dry										Start at 0955
2	60 48		4 5 6 7		ML									
			8	SAND with silt, dark yellowish brown (10YR 4/4), moist	SP			0.7						Sampled 8-9' at 1005
3	60 60		9 10	CLAY, gray (10YR 7/1), cohesive, mild plasticity										
			11	Wet at 11 feet bgs	CL									
			12											

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

Signature	Firm	Tel:
Keith Nielsen	AECOM Technical Services, Inc	Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SP-3 Use only as an attachment to Form 4400-122.

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
			13	CLAY, gray (10YR 7/1), cohesive, mild plasticity *(continued)*	CL									
			14	SILTY SAND with gravel, gray (10YR 6/1), moist	ML									
	60 30		15	SAND with silt, gray (10YR 7/1), moist	SP			1.7						Sampled 14-15' at 1010
			16	SILTY SAND with gravel, gray (10YR 7/1), wet	ML									
			17											
			18	LEAN CLAY, gray (10YR 6/1), moist, cohesive, mild plasticity										
			19											
	60 48		20					3.2						
			21		CL									Sampled 20-21 at 1015
			22											
			23											
			24	SILT with sand, gray (10YR 6/1), moist	ML									
			25	End of boring at 25 feet bgs										End at 1020

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
WCS-112 Former Doug's Standard		SP-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental	8/10/2021	8/10/2021	geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	949.7 Feet MSL	2.00

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 205544.79 N, 2275671.50 E S / C / N
NW 1/4 of SE 1/4 of Section 8, T 1 N, R 14 E
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N ____ Feet ☐ S ☐ E ____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Rock	54	Clinton

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	60 60		1	TOPSOIL with roots and trace gravel, black (10YR 2/1)	Topsoil									Start at 0925
			2	FILL: Sandy silt with gravel, brown to dark brown (buried topsoil), dry	Fill			0.2						Sampled 1-2' at 0930
			3	SILT with sand, yellowish brown (10YR 5/4), dry										
2	60 36		4 5 6		ML									
			7 8 9											
			10	SAND with gravel, dark yellowish brown (10YR 3/6), wet near bottom	SP			0.7						Sampled 9-10' at 0935
3	60 48		11	Lean CLAY, gray (10YR 6/1), cohesive, mild plasticity Wet at 10.5 feet bgs	CL									
			12											

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

Signature	Firm	Tel:
Keith Nielsen	AECOM Technical Services, Inc	Fax:

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SP-4 Use only as an attachment to Form 4400-122.

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
			13	Lean CLAY, gray (10YR 6/1), cohesive, mild plasticity *(continued)*	CL									
			14	SILTY SAND with gravel, gray (10YR 6/1), wet	ML			0.6						
	60 54		15	SAND with gravel, gray (10YR 6/2), wet	SP									Sampled 14-15' at 0940
			16											
			17											
			18	SILT with sand, yellowish brown (10YR 5/4) mottled, wet	ML			0.4						
			19											
	60 54		20											Sampled 20-21 at 0945
			21											
			22											
			23	CLAY, gray (10YR 5/1), cohesive, mild plasticity	CL									
			24											
			25	CLAY with trace gravel, gray (10YR 6/1), cohesive, mild plasticity	CL									End at 0950
				End of boring at 25 feet bgs										

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
WCS-112 Former Doug's Standard		SP-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi Onsite Environmental	8/10/2021	8/10/2021	geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	949.7 Feet MSL	2.00

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane 205544.79 N, 2275671.50 E S / C / N
NW 1/4 of SE 1/4 of Section 8, T 1 N, R 14 E
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Rock	54	Clinton

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	60 48		0 1	TOPSOIL with roots, black (10YR 2/1), trace gravel	Topsoil									Start at 0845
			1 2	FILL: Sand with gravel, brown (10YR 5/4), dry	Fill			0.1						Sampled 1-2' at 0900
			3 4 5	SILT with sand, gray (10YR 5/4), dry										
2	60 42		5 6		ML									
			7 8					0.2						
			9 10	SAND with silt, yellowish brown (10YR 3/6), moist Gravel present with depth										Sampled 89-10' at 0905
3	60 42		10 11	Wet at 11 feet bgs	SM									
			11 12											

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

Signature	Firm	Tel:
Keith Nielsen	AECOM Technical Services, Inc	Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number SP-5 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			13	SILTY SAND with gravel, gray (10YR 7/1), wet										
			14					0.2						
					ML									Sampled 14-15' at 0910
	60 60		15											
			16											
			17	Lean CLAY with trace gravel, gray (10YR 6/1), wet, cohesive, mild plasticity Harder clay with depth										
			18											
			19											
			20					0.4						
	60 48		21		CL									Sampled 20-21 at 0915
			22											
			23											
			24											
			25	End of boring at 25 feet bgs										End at 0920

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report 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 this form 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 this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

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

(1) GENERAL INFORMATION

WI Unique Well No. | DNR Well ID No. | County: Rock

Common Well Name: SP-1 Gov't Lot (if applicable)

Grid Location: NW 1/4 of SE 1/4 of Sec. 8 ; T. 1 N; R. 14 ☒ E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat ____ ° ____ ' ____ " Long ____ ° ____ ' ____ " or

State Plane 205,573 ft. N. 2,275,618 ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment | WI Unique Well No.:

(2) FACILITY /OWNER INFORMATION

Facility Name: WCS-112 Former Doug's Standard

Facility ID | License/Permit/Monitoring No.

Street Address of Well

City, Village, or Town: Clinton

Present Well Owner | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date _____

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

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 (ft) (From ground surface) _____ Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2.00

Was Well Annular Space Grouted? ☐ Yes ☐ No ☒ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	
Was Casing Cut Off Below Surface?	☐ Yes	☒ No	
Did Sealing Material Rise to Surface?	☐ Yes	☒ No	
Did Material Settle After 24 Hours?	☐ Yes	☒ No	
If Yes, Was Hole Retopped?	☐ Yes	☒ No	

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

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☒ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite-Cement Grout
☐ Bentonite - Sand Slurry

(5) Sealing Material Used	From (Ft.)	To (Ft.)	Cubic Feet	Mix Ratio or Mud Weight
Bentonite	Surface	25.00		

(6) Comments _____

(7) Name of Person or Firm Doing Sealing Work: AECOM | Date of Abandonment: 8/10/2021

Signature of Person Doing Work: Keith Nielsen | Date Signed

Street or Route: 1555 N RiverCenter Drive | Telephone Number: 414-944-6080

City, State, Zip Code: Milwaukee, WI 53212

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5 2/2000 Page 1 of 2

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

(1) GENERAL INFORMATION

WI Unique Well No. | DNR Well ID No. | County: Rock

Common Well Name: SP-2 Gov't Lot (if applicable)

Grid Location: NW 1/4 of SE 1/4 of Sec. 8 ; T. 1 N; R. 14 ☒ E ☐ W

ft. ☐ N. ☐ S., ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat ° ' " Long ° ' "

State Plane 205,573 ft. N. 2,275,650 ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment | WI Unique Well No.

(2) FACILITY /OWNER INFORMATION

Facility Name: WCS-112 Former Doug's Standard

Facility ID | License/Permit/Monitoring No.

Street Address of Well

City, Village, or Town: Clinton

Present Well Owner | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

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 (ft) (From ground surface)

Casing Diameter (in.)

Casing Depth (ft.)

Lower Drillhole Diameter (in.): 2.00

Was Well Annular Space Grouted? ☐ Yes ☐ No ☒ Unknown

If Yes, To What Depth? Feet

Depth to Water (Feet)

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	
Was Casing Cut Off Below Surface?	☐ Yes	☒ No	
Did Sealing Material Rise to Surface?	☐ Yes	☒ No	
Did Material Settle After 24 Hours?	☐ Yes	☒ No	
If Yes, Was Hole Retopped?	☐ Yes	☒ No	

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

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☒ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite-Cement Grout
☐ Bentonite - Sand Slurry

(5) Sealing Material Used	From (Ft.)	To (Ft.)	Cubic Feet	Mix Ratio or Mud Weight
Bentonite	Surface	25.00		

(6) Comments

(7) Name of Person or Firm Doing Sealing Work: AECOM

Date of Abandonment: 8/10/2021

Signature of Person Doing Work: Keith Nielsen

Date Signed

Street or Route: 1555 N RiverCenter Drive

Telephone Number: 414-944-6080

City, State, Zip Code: Milwaukee, WI 53212

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5 2/2000 Page 1 of 2

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

(1) GENERAL INFORMATION

WI Unique Well No. | DNR Well ID No. | County: Rock

Common Well Name: SP-3 _____ Gov't Lot (if applicable)

Grid Location: NW 1/4 of SE 1/4 of Sec. 8 ; T. 1 N; R. 14 ☒ E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat ____ ° ____ ' ____ " Long ____ ° ____ ' ____ "

State Plane 205,565 ft. N. 2,275,672 ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment | WI Unique Well No.: .

(2) FACILITY /OWNER INFORMATION

Facility Name: WCS-112 Former Doug's Standard

Facility ID | License/Permit/Monitoring No.

Street Address of Well

City, Village, or Town: Clinton

Present Well Owner | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date _____

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

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 (ft) (From ground surface) _____ Casing Diameter (in.) _____

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2.00

Was Well Annular Space Grouted? ☐ Yes ☐ No ☒ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	
Was Casing Cut Off Below Surface?	☐ Yes	☒ No	
Did Sealing Material Rise to Surface?	☐ Yes	☒ No	
Did Material Settle After 24 Hours?	☐ Yes	☒ No	
If Yes, Was Hole Retopped?	☐ Yes	☒ No	

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

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☒ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite-Cement Grout
☐ Bentonite - Sand Slurry

(5) Sealing Material Used	From (Ft.)	To (Ft.)	Cubic Feet	Mix Ratio or Mud Weight
Bentonite	Surface	25.00		

(6) Comments _____

(7) Name of Person or Firm Doing Sealing Work: AECOM | Date of Abandonment: 8/10/2021

Signature of Person Doing Work: Keith Nielsen | Date Signed

Street or Route: 1555 N RiverCenter Drive | Telephone Number: 414-944-6080

City, State, Zip Code: Milwaukee, WI 53212

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report 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 this form 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 this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

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

(1) GENERAL INFORMATION

WI Unique Well No. | DNR Well ID No. | County: Rock

Common Well Name: SP-4 Gov't Lot (if applicable)

Grid Location: NW 1/4 of SE 1/4 of Sec. 8 ; T. 1 N; R. 14 ☒ E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat ____ ° ____ ' ____ " Long ____ ° ____ ' ____ " or

State Plane 205,545 ft. N. 2,275,672 ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment | WI Unique Well No.:

(2) FACILITY /OWNER INFORMATION

Facility Name: WCS-112 Former Doug's Standard

Facility ID | License/Permit/Monitoring No.

Street Address of Well

City, Village, or Town: Clinton

Present Well Owner | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date _____

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

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 (ft) (From ground surface) _____ Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2.00

Was Well Annular Space Grouted? ☐ Yes ☐ No ☒ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	
Was Casing Cut Off Below Surface?	☐ Yes	☒ No	
Did Sealing Material Rise to Surface?	☐ Yes	☒ No	
Did Material Settle After 24 Hours?	☐ Yes	☒ No	
If Yes, Was Hole Retopped?	☐ Yes	☒ No	

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

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☒ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite-Cement Grout
☐ Bentonite - Sand Slurry

(5) Sealing Material Used	From (Ft.)	To (Ft.)	Cubic Feet	Mix Ratio or Mud Weight
Bentonite	Surface	25.00		

(6) Comments _____

(7) Name of Person or Firm Doing Sealing Work: AECOM | Date of Abandonment: 8/10/2021

Signature of Person Doing Work: Keith Nielsen | Date Signed

Street or Route: 1555 N RiverCenter Drive | Telephone Number: 414-944-6080

City, State, Zip Code: Milwaukee, WI 53212

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT
Form 3300-5 2/2000 Page 1 of 2

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report 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 this form 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 this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

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

(1) GENERAL INFORMATION

WI Unique Well No. | DNR Well ID No. | County: Rock

Common Well Name: SP-5 Gov't Lot (if applicable)

Grid Location: NW 1/4 of SE 1/4 of Sec. 8 ; T. 1 N; R. 14 ☒ E ☐ W

ft. ☐ N. ☐ S., ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat ° ' " Long ° ' "

State Plane 205,545 ft. N. 2,275,672 ft. E. S C N Zone

Reason For Abandonment | WI Unique Well No.

(2) FACILITY /OWNER INFORMATION

Facility Name: WCS-112 Former Doug's Standard

Facility ID | License/Permit/Monitoring No.

Street Address of Well

City, Village, or Town: Clinton

Present Well Owner | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date

☐ Monitoring Well
☐ Water Well
☒ Drillhole / Borehole

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 (ft) (From ground surface)

Casing Diameter (in.)

Casing Depth (ft.)

Lower Drillhole Diameter (in.): 2.00

Was Well Annular Space Grouted? ☐ Yes ☐ No ☒ Unknown

If Yes, To What Depth? Feet

Depth to Water (Feet)

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☒ No	
Was Casing Cut Off Below Surface?	☐ Yes	☒ No	
Did Sealing Material Rise to Surface?	☐ Yes	☒ No	
Did Material Settle After 24 Hours?	☐ Yes	☒ No	
If Yes, Was Hole Retopped?	☐ Yes	☒ No	

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

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
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For monitoring wells and monitoring well boreholes only
☒ Bentonite Chips
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(5) Sealing Material Used	From (Ft.)	To (Ft.)	Cubic Feet	Mix Ratio or Mud Weight
Bentonite	Surface	25.00		

(6) Comments

(7) Name of Person or Firm Doing Sealing Work: AECOM

Date of Abandonment: 8/10/2021

Signature of Person Doing Work: Keith Nielsen

Date Signed

Street or Route: 1555 N RiverCenter Drive

Telephone Number: 414-944-6080

City, State, Zip Code: Milwaukee, WI 53212

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

Appendix C Laboratory Data Validation Report

AECOM
1555 N. RiverCenter Drive, Suite 214
Milwaukee, WI 53212

414.944.6080 tel
414.944.6081 fax

Data Validation Report

Project:	Former Doug Standard, Clinton, Wisconsin
Laboratory:	Pace Analytical - Green Bay
SDGs:	40231479, 40231486
Analyses/Method:	VOCs (SW8260)
Validation Level:	Level 2
Prepared by:	Lisa Smith (CEAC), AECOM Completed on: 8/18/2021

The soil and groundwater samples listed below were collected by AECOM on August 9 and 10, 2021.

Sample ID	QC Samples	Sample Date	Laboratory ID	Analyses
Soil Samples:				
SP-1 (2-3')		8/10/2021	40231479018	VOCs
SP-1 (8-9')		8/10/2021	40231479019	VOCs
SP-1 (14-15')		8/10/2021	40231479020	VOCs
SP-1 (20-21')		8/10/2021	40231479021	VOCs
SP-2 (1-2')		8/10/2021	40231479014	VOCs
SP-2 (9-10')		8/10/2021	40231479015	VOCs
SP-2 (14-15')		8/10/2021	40231479016	VOCs
SP-2 (20-21')		8/10/2021	40231479017	VOCs
SP-3 (1-2')		8/10/2021	40231479010	VOCs
SP-3 (8-9')		8/10/2021	40231479011	VOCs
SP-3 (14-15')		8/10/2021	40231479012	VOCs
SP-3 (20-21')		8/10/2021	40231479013	VOCs
SP-4 (1-2')		8/10/2021	40231479006	VOCs
SP-4 (9-10')		8/10/2021	40231479007	VOCs
SP-4 (14-15')	MS/MSD	8/10/2021	40231479008	VOCs
SP-4 (20-21')		8/10/2021	40231479009	VOCs
SP-5 (1-2')		8/10/2021	40231479002	VOCs
SP-5 (9-10')		8/10/2021	40231479003	VOCs
SP-5 (14-15')		8/10/2021	40231479004	VOCs
SP-5 (20-21')		8/10/2021	40231479005	VOCs
Groundwater Samples:				
MW-2A		8/9/2021	40231486010	VOCs
MW-2A DUP	Field Duplicate of MW-2A	8/9/2021	40231486011	VOCs

AECOM

Sample ID	QC Samples	Sample Date	Laboratory ID	Analyses
MW-2B		8/10/2021	40231486012	VOCs
MW-5	MS/MSD	8/9/2021	40231486007	VOCs
MW-6		8/9/2021	40231486006	VOCs
MW-A1		8/9/2021	40231486009	VOCs
MW-A2		8/9/2021	40231486003	VOCs
MW-A3		8/9/2021	40231486002	VOCs
MW-A4		8/10/2021	40231486013	VOCs
MW-A5		8/9/2021	40231486004	VOCs
MW-A6		8/9/2021	40231486005	VOCs
PZ-6		8/9/2021	40231486008	VOCs
Field QC Blanks:				
TB-01	Trip Blank	8/9/2021	40231486001	VOCs
TB-02	Trip Blank	8/10/2021	40231479001	VOCs

Data validation activities were conducted with reference to:

- *National Functional Guidelines for Organic Superfund Methods Data Review (*November 2020)

The National Data Validation Functional Guidelines (NFGs) were modified to accommodate the non-CLP methodologies. In the absence of method-specific information, laboratory quality control (QC) limits were used as appropriate as the basis for validation actions.

REVIEW ELEMENTS

The data were evaluated based on the following parameters (where applicable to the method):

✓ Data completeness (chain-of-custody (CoC)/sample integrity)
✓ Sample Receipt and Holding Times
✓ Method blanks
✓ Trip Blanks
✓ Surrogate Recoveries
✓ Laboratory control sample (LCS) results
✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results
✓ Field duplicates
✓ Sample results and quantitation

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. The symbol (✗) indicates that a QC nonconformance resulted in the qualification of data. Any QC nonconformance that resulted in the qualification of data is discussed below. In addition, nonconformances or other issues that were noted during validation, but did not result in qualification of data, may be discussed for informational purposes only.

AECOM

SUMMARY

Based on the results of the validation, the data are valid as reported and may be used for decision making purpose. One result required qualification as discussed below and summarized in Table 1. Data validation qualifiers override any assigned laboratory data flags. Results reported below the limit of quantitation (LOQ) were qualified as estimated (J) by the laboratory; qualifications of these results were accepted by the validator, but are not shown in Table 1.

DETAILED REVIEW

Data Completeness

The data packages were reviewed for completeness as follows:

- The CoCs were reviewed for completeness of information relevant to the samples and requested analyses, and for signatures indicating transfer of sample custody.
- The laboratory sample login sheet(s) were reviewed for issues potentially affecting sample integrity, including the condition of sample containers upon receipt at the laboratory.
- Completeness of analyses was verified by comparing the reported results to the CoC requests.

Sample Receipt and Holding Times

Samples were received at Pace Analytical intact, correctly preserved, and within the temperature criteria of ≤ 6 °C.

Samples were analyzed within the method holding times.

Laboratory Method Blanks

Laboratory method blanks are analyzed to assess contamination from laboratory procedures. Method blanks were analyzed at the correct frequency. Analytes were not detected in the method blanks, with the exception that sec-butylbenzene was detected in the method blank for batch 392891 at a concentration of 15 J ug/kg. The associated results were nondetect.

Trip Blanks

Trip blanks are used to assess contamination that occurs during sample shipment. Two trip blanks were associated with the sample shipments. The trip blank results were nondetect.

Surrogates

Surrogates are spiked into all field samples, field QC samples, and method QC samples and are used to evaluate accuracy. Surrogates are organic compounds similar to the target analyte(s) in chemical composition and behavior in the analytical process but are not usually found in environmental samples. Surrogate recoveries were within the laboratories acceptance criteria, except as listed in the table below.

Sample ID	Surrogate	% Recovery	Recovery Limits	Results Qualified
SP-1 (8-9')	1,2-Dichlorobenzene-d4	249	82-158	The surrogates were diluted out. No qualifiers.
	4-Bromofluorobenzene	176	66-153	

AECOM

LCS Results

LCSs are analyzed to monitor accuracy and precision of the analytical method independent of matrix effects. The LCSs were analyzed at the correct frequency and were within the laboratory specified QC limits.

MS/MSD Results

Matrix spikes are analyzed to determine the effects of sample matrix on the measurement methodology. MS/MSD data was provided from batch analysis. Project samples analyzed as MS/MSDs are shown in the sample summary table. MS/MSD recoveries and relative percent differences (RPDs) were within acceptable limits, except as noted in the table below. Non-project MS/MSDs provided from batch analyses are not applicable and were not evaluated.

Compound	% Recovery	Recovery Limits	RPD	RPD Limits	Results Qualified
MW-5:					
Ethylbenzene	**133/128**	80-123	4	20	The result for sample MW-5 was qualified as estimated biased high (J+).

Bold indicates an exceedance

Field Duplicate Results

Field duplicates are collected to assess the overall precision of field sampling and laboratory analysis. A field duplicate was collected at location MW-2A. Field duplicate RPDs were within the 30% limit for groundwater samples, or were within ± 2x LOQ.

Sample Results and Quantitation

Dilutions were required to bring the sample concentrations within the calibration range of the instrument.

Validation Flags

Sample results qualified due to validation actions are summarized in Table 1. All actions are described above. Data validation qualifiers override any assigned laboratory data flags. Results reported below the LOQ were qualified as estimated (J) by the laboratory; qualifications of these results were accepted by the validator, but are not shown in Table 1.

Table 1 – Data Validation Summary of Qualified Data

Sample ID	Analyte	Units	Validation Qualifier[1]	Reason Code[2]
Groundwater Samples:				
MW-5	Ethylbenzene	ug/L	J+	ms

(1): Data Validation Qualifiers:
J+: The analyte was positively identified. The associated numerical value is estimated biased high.

(2): Reason Codes:
ms Matrix spike

Appendix D Laboratory Analytical Reports

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

August 17, 2021

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

RE: Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Dear Lanette Altenbach:

Enclosed are the analytical results for sample(s) received by the laboratory on August 11, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,

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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

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

SAMPLE SUMMARY

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40231479001	**TB-02**	Solid	08/10/21 08:35	08/11/21 09:00
40231479002	**SP-5 (1-2')**	Solid	08/10/21 09:00	08/11/21 09:00
40231479003	**SP-5 (9-10')**	Solid	08/10/21 09:05	08/11/21 09:00
40231479004	**SP-5 (14-15')**	Solid	08/10/21 09:10	08/11/21 09:00
40231479005	**SP-5 (20-21')**	Solid	08/10/21 09:15	08/11/21 09:00
40231479006	**SP-4 (1-2')**	Solid	08/10/21 09:30	08/11/21 09:00
40231479007	**SP-4 (9-10')**	Solid	08/10/21 09:35	08/11/21 09:00
40231479008	**SP-4 (14-15')**	Solid	08/10/21 09:40	08/11/21 09:00
40231479009	**SP-4 (20-21')**	Solid	08/10/21 09:45	08/11/21 09:00
40231479010	**SP-3 (1-2')**	Solid	08/10/21 10:00	08/11/21 09:00
40231479011	**SP-3 (8-9')**	Solid	08/10/21 10:05	08/11/21 09:00
40231479012	**SP-3 (14-15')**	Solid	08/10/21 10:10	08/11/21 09:00
40231479013	**SP-3 (20-21')**	Solid	08/10/21 10:15	08/11/21 09:00
40231479014	**SP-2 (1-2')**	Solid	08/10/21 10:30	08/11/21 09:00
40231479015	**SP-2 (9-10')**	Solid	08/10/21 10:35	08/11/21 09:00
40231479016	**SP-2 (14-15')**	Solid	08/10/21 10:40	08/11/21 09:00
40231479017	**SP-2 (20-21')**	Solid	08/10/21 10:45	08/11/21 09:00
40231479018	**SP-1 (2-3')**	Solid	08/10/21 11:00	08/11/21 09:00
40231479019	**SP-1 (8-9')**	Solid	08/10/21 11:05	08/11/21 09:00
40231479020	**SP-1 (14-15')**	Solid	08/10/21 11:10	08/11/21 09:00
40231479021	**SP-1 (20-21')**	Solid	08/10/21 11:15	08/11/21 09:00

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

SAMPLE ANALYTE COUNT

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40231479001	**TB-02**	EPA 8260	MDS	65	PASI-G
40231479002	**SP-5 (1-2')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479003	**SP-5 (9-10')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479004	**SP-5 (14-15')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479005	**SP-5 (20-21')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479006	**SP-4 (1-2')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479007	**SP-4 (9-10')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479008	**SP-4 (14-15')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479009	**SP-4 (20-21')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479010	**SP-3 (1-2')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479011	**SP-3 (8-9')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479012	**SP-3 (14-15')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479013	**SP-3 (20-21')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479014	**SP-2 (1-2')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479015	**SP-2 (9-10')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479016	**SP-2 (14-15')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479017	**SP-2 (20-21')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479018	**SP-1 (2-3')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479019	**SP-1 (8-9')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G

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

SAMPLE ANALYTE COUNT

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40231479020	**SP-1 (14-15')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G
40231479021	**SP-1 (20-21')**	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	PDV	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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

SUMMARY OF DETECTION

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40231479002	**SP-5 (1-2')**					
ASTM D2974-87	Percent Moisture	12.7	%	0.10	08/12/21 13:53	
40231479003	**SP-5 (9-10')**					
ASTM D2974-87	Percent Moisture	14.2	%	0.10	08/12/21 13:53	
40231479004	**SP-5 (14-15')**					
EPA 8260	1,2,4-Trimethylbenzene	31.4J	ug/kg	66.1	08/16/21 12:15	
ASTM D2974-87	Percent Moisture	13.9	%	0.10	08/12/21 13:53	
40231479005	**SP-5 (20-21')**					
EPA 8260	cis-1,2-Dichloroethene	31.4J	ug/kg	62.4	08/16/21 12:35	
EPA 8260	Trichloroethene	126	ug/kg	62.4	08/16/21 12:35	
ASTM D2974-87	Percent Moisture	11.0	%	0.10	08/12/21 13:53	
40231479006	**SP-4 (1-2')**					
ASTM D2974-87	Percent Moisture	11.9	%	0.10	08/12/21 13:53	
40231479007	**SP-4 (9-10')**					
ASTM D2974-87	Percent Moisture	9.3	%	0.10	08/12/21 13:53	
40231479008	**SP-4 (14-15')**					
ASTM D2974-87	Percent Moisture	13.9	%	0.10	08/12/21 13:53	
40231479009	**SP-4 (20-21')**					
EPA 8260	cis-1,2-Dichloroethene	19.0J	ug/kg	63.0	08/16/21 13:33	
EPA 8260	Trichloroethene	56.2J	ug/kg	63.0	08/16/21 13:33	
ASTM D2974-87	Percent Moisture	11.5	%	0.10	08/12/21 13:53	
40231479010	**SP-3 (1-2')**					
ASTM D2974-87	Percent Moisture	17.5	%	0.10	08/12/21 13:53	
40231479011	**SP-3 (8-9')**					
ASTM D2974-87	Percent Moisture	13.4	%	0.10	08/12/21 13:54	
40231479012	**SP-3 (14-15')**					
ASTM D2974-87	Percent Moisture	13.7	%	0.10	08/12/21 13:54	
40231479013	**SP-3 (20-21')**					
ASTM D2974-87	Percent Moisture	10.3	%	0.10	08/12/21 13:54	
40231479014	**SP-2 (1-2')**					
EPA 8260	Trichloroethene	56.4J	ug/kg	66.9	08/16/21 15:11	
ASTM D2974-87	Percent Moisture	14.4	%	0.10	08/12/21 13:54	
40231479015	**SP-2 (9-10')**					
ASTM D2974-87	Percent Moisture	14.4	%	0.10	08/12/21 14:30	
40231479016	**SP-2 (14-15')**					
EPA 8260	n-Butylbenzene	51.7J	ug/kg	67.6	08/16/21 17:35	
EPA 8260	sec-Butylbenzene	17.2J	ug/kg	67.6	08/16/21 17:35	
EPA 8260	Ethylbenzene	205	ug/kg	67.6	08/16/21 17:35	
EPA 8260	Isopropylbenzene (Cumene)	23.7J	ug/kg	67.6	08/16/21 17:35	

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SUMMARY OF DETECTION

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40231479016	**SP-2 (14-15')**					
EPA 8260	Naphthalene	141J	ug/kg	338	08/16/21 17:35	
EPA 8260	n-Propylbenzene	105	ug/kg	67.6	08/16/21 17:35	
EPA 8260	1,2,4-Trimethylbenzene	386	ug/kg	67.6	08/16/21 17:35	
EPA 8260	1,3,5-Trimethylbenzene	109	ug/kg	67.6	08/16/21 17:35	
EPA 8260	Xylene (Total)	633	ug/kg	203	08/16/21 17:35	
EPA 8260	m&p-Xylene	633	ug/kg	135	08/16/21 17:35	
ASTM D2974-87	Percent Moisture	14.9	%	0.10	08/12/21 14:30	
40231479017	**SP-2 (20-21')**					
EPA 8260	Benzene	31.1	ug/kg	24.5	08/16/21 17:55	
EPA 8260	Ethylbenzene	35.0J	ug/kg	61.3	08/16/21 17:55	
EPA 8260	Xylene (Total)	88.5J	ug/kg	184	08/16/21 17:55	
EPA 8260	m&p-Xylene	88.5J	ug/kg	123	08/16/21 17:55	
ASTM D2974-87	Percent Moisture	10.2	%	0.10	08/12/21 14:30	
40231479018	**SP-1 (2-3')**					
ASTM D2974-87	Percent Moisture	17.7	%	0.10	08/12/21 14:30	
40231479019	**SP-1 (8-9')**					
EPA 8260	n-Butylbenzene	26600	ug/kg	3610	08/16/21 09:19	
EPA 8260	sec-Butylbenzene	6470	ug/kg	3610	08/16/21 09:19	
EPA 8260	Ethylbenzene	47600	ug/kg	3610	08/16/21 09:19	
EPA 8260	Isopropylbenzene (Cumene)	11000	ug/kg	3610	08/16/21 09:19	
EPA 8260	p-Isopropyltoluene	2490J	ug/kg	3610	08/16/21 09:19	
EPA 8260	Naphthalene	23100	ug/kg	18000	08/16/21 09:19	
EPA 8260	n-Propylbenzene	49100	ug/kg	3610	08/16/21 09:19	
EPA 8260	Toluene	1090J	ug/kg	3610	08/16/21 09:19	
EPA 8260	1,2,4-Trimethylbenzene	278000	ug/kg	3610	08/16/21 09:19	
EPA 8260	1,3,5-Trimethylbenzene	83000	ug/kg	3610	08/16/21 09:19	
EPA 8260	Xylene (Total)	202000	ug/kg	10800	08/16/21 09:19	
EPA 8260	m&p-Xylene	190000	ug/kg	7220	08/16/21 09:19	
EPA 8260	o-Xylene	12000	ug/kg	3610	08/16/21 09:19	
ASTM D2974-87	Percent Moisture	18.2	%	0.10	08/12/21 14:30	
40231479020	**SP-1 (14-15')**					
EPA 8260	Benzene	453	ug/kg	207	08/16/21 09:39	
EPA 8260	n-Butylbenzene	3450	ug/kg	517	08/16/21 09:39	
EPA 8260	sec-Butylbenzene	664	ug/kg	517	08/16/21 09:39	
EPA 8260	Ethylbenzene	17800	ug/kg	517	08/16/21 09:39	
EPA 8260	Isopropylbenzene (Cumene)	1600	ug/kg	517	08/16/21 09:39	
EPA 8260	p-Isopropyltoluene	549	ug/kg	517	08/16/21 09:39	
EPA 8260	Naphthalene	4300	ug/kg	2590	08/16/21 09:39	
EPA 8260	n-Propylbenzene	6710	ug/kg	517	08/16/21 09:39	
EPA 8260	Toluene	9290	ug/kg	517	08/16/21 09:39	
EPA 8260	1,2,4-Trimethylbenzene	34600	ug/kg	517	08/16/21 09:39	
EPA 8260	1,3,5-Trimethylbenzene	9710	ug/kg	517	08/16/21 09:39	
EPA 8260	Xylene (Total)	83100	ug/kg	1550	08/16/21 09:39	
EPA 8260	m&p-Xylene	62900	ug/kg	1030	08/16/21 09:39	
EPA 8260	o-Xylene	20200	ug/kg	517	08/16/21 09:39	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40231479020	**SP-1 (14-15')**					
ASTM D2974-87	Percent Moisture	12.8	%	0.10	08/12/21 14:31	
40231479021	**SP-1 (20-21')**					
EPA 8260	Benzene	203	ug/kg	25.5	08/16/21 18:34	
EPA 8260	Ethylbenzene	273	ug/kg	63.8	08/16/21 18:34	
EPA 8260	Naphthalene	136J	ug/kg	319	08/16/21 18:34	
EPA 8260	n-Propylbenzene	36.1J	ug/kg	63.8	08/16/21 18:34	
EPA 8260	Toluene	85.3	ug/kg	63.8	08/16/21 18:34	
EPA 8260	1,2,4-Trimethylbenzene	86.6	ug/kg	63.8	08/16/21 18:34	
EPA 8260	Xylene (Total)	269	ug/kg	192	08/16/21 18:34	
EPA 8260	m&p-Xylene	269	ug/kg	128	08/16/21 18:34	
ASTM D2974-87	Percent Moisture	12.2	%	0.10	08/12/21 14:31	

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ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: TB-02 **Lab ID: 40231479001** Collected: 08/10/21 08:35 Received: 08/11/21 09:00 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 Pace Analytical Services - Green Bay								
Benzene	**<11.9**	ug/kg	20.0	11.9	1	08/12/21 08:45	08/13/21 09:43	71-43-2	
Bromobenzene	**<19.5**	ug/kg	50.0	19.5	1	08/12/21 08:45	08/13/21 09:43	108-86-1	
Bromochloromethane	**<13.7**	ug/kg	50.0	13.7	1	08/12/21 08:45	08/13/21 09:43	74-97-5	
Bromodichloromethane	**<11.9**	ug/kg	50.0	11.9	1	08/12/21 08:45	08/13/21 09:43	75-27-4	
Bromoform	**<220**	ug/kg	250	220	1	08/12/21 08:45	08/13/21 09:43	75-25-2	
Bromomethane	**<70.1**	ug/kg	250	70.1	1	08/12/21 08:45	08/13/21 09:43	74-83-9	
n-Butylbenzene	**<22.9**	ug/kg	50.0	22.9	1	08/12/21 08:45	08/13/21 09:43	104-51-8	
sec-Butylbenzene	**<12.2**	ug/kg	50.0	12.2	1	08/12/21 08:45	08/13/21 09:43	135-98-8	
tert-Butylbenzene	**<15.7**	ug/kg	50.0	15.7	1	08/12/21 08:45	08/13/21 09:43	98-06-6	
Carbon tetrachloride	**<11.0**	ug/kg	50.0	11.0	1	08/12/21 08:45	08/13/21 09:43	56-23-5	
Chlorobenzene	**<6.0**	ug/kg	50.0	6.0	1	08/12/21 08:45	08/13/21 09:43	108-90-7	
Chloroethane	**<21.1**	ug/kg	250	21.1	1	08/12/21 08:45	08/13/21 09:43	75-00-3	
Chloroform	**<35.8**	ug/kg	250	35.8	1	08/12/21 08:45	08/13/21 09:43	67-66-3	
Chloromethane	**<19.0**	ug/kg	50.0	19.0	1	08/12/21 08:45	08/13/21 09:43	74-87-3	
2-Chlorotoluene	**<16.2**	ug/kg	50.0	16.2	1	08/12/21 08:45	08/13/21 09:43	95-49-8	
4-Chlorotoluene	**<19.0**	ug/kg	50.0	19.0	1	08/12/21 08:45	08/13/21 09:43	106-43-4	
1,2-Dibromo-3-chloropropane	**<38.8**	ug/kg	250	38.8	1	08/12/21 08:45	08/13/21 09:43	96-12-8	
Dibromochloromethane	**<171**	ug/kg	250	171	1	08/12/21 08:45	08/13/21 09:43	124-48-1	
1,2-Dibromoethane (EDB)	**<13.7**	ug/kg	50.0	13.7	1	08/12/21 08:45	08/13/21 09:43	106-93-4	
Dibromomethane	**<14.8**	ug/kg	50.0	14.8	1	08/12/21 08:45	08/13/21 09:43	74-95-3	
1,2-Dichlorobenzene	**<15.5**	ug/kg	50.0	15.5	1	08/12/21 08:45	08/13/21 09:43	95-50-1	
1,3-Dichlorobenzene	**<13.7**	ug/kg	50.0	13.7	1	08/12/21 08:45	08/13/21 09:43	541-73-1	
1,4-Dichlorobenzene	**<13.7**	ug/kg	50.0	13.7	1	08/12/21 08:45	08/13/21 09:43	106-46-7	
Dichlorodifluoromethane	**<21.5**	ug/kg	50.0	21.5	1	08/12/21 08:45	08/13/21 09:43	75-71-8	
1,1-Dichloroethane	**<12.8**	ug/kg	50.0	12.8	1	08/12/21 08:45	08/13/21 09:43	75-34-3	
1,2-Dichloroethane	**<11.5**	ug/kg	50.0	11.5	1	08/12/21 08:45	08/13/21 09:43	107-06-2	
1,1-Dichloroethene	**<16.6**	ug/kg	50.0	16.6	1	08/12/21 08:45	08/13/21 09:43	75-35-4	
cis-1,2-Dichloroethene	**<10.7**	ug/kg	50.0	10.7	1	08/12/21 08:45	08/13/21 09:43	156-59-2	
trans-1,2-Dichloroethene	**<10.8**	ug/kg	50.0	10.8	1	08/12/21 08:45	08/13/21 09:43	156-60-5	
1,2-Dichloropropane	**<11.9**	ug/kg	50.0	11.9	1	08/12/21 08:45	08/13/21 09:43	78-87-5	
1,3-Dichloropropane	**<10.9**	ug/kg	50.0	10.9	1	08/12/21 08:45	08/13/21 09:43	142-28-9	
2,2-Dichloropropane	**<13.5**	ug/kg	50.0	13.5	1	08/12/21 08:45	08/13/21 09:43	594-20-7	
1,1-Dichloropropene	**<16.2**	ug/kg	50.0	16.2	1	08/12/21 08:45	08/13/21 09:43	563-58-6	
cis-1,3-Dichloropropene	**<33.0**	ug/kg	250	33.0	1	08/12/21 08:45	08/13/21 09:43	10061-01-5	
trans-1,3-Dichloropropene	**<143**	ug/kg	250	143	1	08/12/21 08:45	08/13/21 09:43	10061-02-6	
Diisopropyl ether	**<12.4**	ug/kg	50.0	12.4	1	08/12/21 08:45	08/13/21 09:43	108-20-3	
Ethylbenzene	**<11.9**	ug/kg	50.0	11.9	1	08/12/21 08:45	08/13/21 09:43	100-41-4	
Hexachloro-1,3-butadiene	**<99.4**	ug/kg	250	99.4	1	08/12/21 08:45	08/13/21 09:43	87-68-3	
Isopropylbenzene (Cumene)	**<13.5**	ug/kg	50.0	13.5	1	08/12/21 08:45	08/13/21 09:43	98-82-8	
p-Isopropyltoluene	**<15.2**	ug/kg	50.0	15.2	1	08/12/21 08:45	08/13/21 09:43	99-87-6	
Methylene Chloride	**<13.9**	ug/kg	50.0	13.9	1	08/12/21 08:45	08/13/21 09:43	75-09-2	
Methyl-tert-butyl ether	**<14.7**	ug/kg	50.0	14.7	1	08/12/21 08:45	08/13/21 09:43	1634-04-4	
Naphthalene	**<15.6**	ug/kg	250	15.6	1	08/12/21 08:45	08/13/21 09:43	91-20-3	
n-Propylbenzene	**<12.0**	ug/kg	50.0	12.0	1	08/12/21 08:45	08/13/21 09:43	103-65-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: TB-02 **Lab ID: 40231479001** Collected: 08/10/21 08:35 Received: 08/11/21 09:00 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 Pace Analytical Services - Green Bay								
Styrene	**<12.8**	ug/kg	50.0	12.8	1	08/12/21 08:45	08/13/21 09:43	100-42-5	
1,1,1,2-Tetrachloroethane	**<12.0**	ug/kg	50.0	12.0	1	08/12/21 08:45	08/13/21 09:43	630-20-6	
1,1,2,2-Tetrachloroethane	**<18.1**	ug/kg	50.0	18.1	1	08/12/21 08:45	08/13/21 09:43	79-34-5	
Tetrachloroethene	**<19.4**	ug/kg	50.0	19.4	1	08/12/21 08:45	08/13/21 09:43	127-18-4	
Toluene	**<12.6**	ug/kg	50.0	12.6	1	08/12/21 08:45	08/13/21 09:43	108-88-3	
1,2,3-Trichlorobenzene	**<55.7**	ug/kg	250	55.7	1	08/12/21 08:45	08/13/21 09:43	87-61-6	
1,2,4-Trichlorobenzene	**<41.2**	ug/kg	250	41.2	1	08/12/21 08:45	08/13/21 09:43	120-82-1	
1,1,1-Trichloroethane	**<12.8**	ug/kg	50.0	12.8	1	08/12/21 08:45	08/13/21 09:43	71-55-6	
1,1,2-Trichloroethane	**<18.2**	ug/kg	50.0	18.2	1	08/12/21 08:45	08/13/21 09:43	79-00-5	
Trichloroethene	**<18.7**	ug/kg	50.0	18.7	1	08/12/21 08:45	08/13/21 09:43	79-01-6	
Trichlorofluoromethane	**<14.5**	ug/kg	50.0	14.5	1	08/12/21 08:45	08/13/21 09:43	75-69-4	
1,2,3-Trichloropropane	**<24.3**	ug/kg	50.0	24.3	1	08/12/21 08:45	08/13/21 09:43	96-18-4	
1,2,4-Trimethylbenzene	**<14.9**	ug/kg	50.0	14.9	1	08/12/21 08:45	08/13/21 09:43	95-63-6	
1,3,5-Trimethylbenzene	**<16.1**	ug/kg	50.0	16.1	1	08/12/21 08:45	08/13/21 09:43	108-67-8	
Vinyl chloride	**<10.1**	ug/kg	50.0	10.1	1	08/12/21 08:45	08/13/21 09:43	75-01-4	
Xylene (Total)	**<36.1**	ug/kg	150	36.1	1	08/12/21 08:45	08/13/21 09:43	1330-20-7	
m&p-Xylene	**<21.1**	ug/kg	100	21.1	1	08/12/21 08:45	08/13/21 09:43	179601-23-1	
o-Xylene	**<15.0**	ug/kg	50.0	15.0	1	08/12/21 08:45	08/13/21 09:43	95-47-6	
Surrogates									
Toluene-d8 (S)	91	%	67-159		1	08/12/21 08:45	08/13/21 09:43	2037-26-5	
4-Bromofluorobenzene (S)	104	%	66-153		1	08/12/21 08:45	08/13/21 09:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	91	%	82-158		1	08/12/21 08:45	08/13/21 09:43	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-5 (1-2') **Lab ID: 40231479002** Collected: 08/10/21 09:00 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.4**	ug/kg	25.8	15.4	1	08/13/21 09:45	08/16/21 11:36	71-43-2	
Bromobenzene	**<25.2**	ug/kg	64.5	25.2	1	08/13/21 09:45	08/16/21 11:36	108-86-1	
Bromochloromethane	**<17.7**	ug/kg	64.5	17.7	1	08/13/21 09:45	08/16/21 11:36	74-97-5	
Bromodichloromethane	**<15.4**	ug/kg	64.5	15.4	1	08/13/21 09:45	08/16/21 11:36	75-27-4	
Bromoform	**<284**	ug/kg	323	284	1	08/13/21 09:45	08/16/21 11:36	75-25-2	
Bromomethane	**<90.5**	ug/kg	323	90.5	1	08/13/21 09:45	08/16/21 11:36	74-83-9	
n-Butylbenzene	**<29.6**	ug/kg	64.5	29.6	1	08/13/21 09:45	08/16/21 11:36	104-51-8	
sec-Butylbenzene	**<15.7**	ug/kg	64.5	15.7	1	08/13/21 09:45	08/16/21 11:36	135-98-8	
tert-Butylbenzene	**<20.3**	ug/kg	64.5	20.3	1	08/13/21 09:45	08/16/21 11:36	98-06-6	
Carbon tetrachloride	**<14.2**	ug/kg	64.5	14.2	1	08/13/21 09:45	08/16/21 11:36	56-23-5	
Chlorobenzene	**<7.7**	ug/kg	64.5	7.7	1	08/13/21 09:45	08/16/21 11:36	108-90-7	
Chloroethane	**<27.2**	ug/kg	323	27.2	1	08/13/21 09:45	08/16/21 11:36	75-00-3	
Chloroform	**<46.2**	ug/kg	323	46.2	1	08/13/21 09:45	08/16/21 11:36	67-66-3	
Chloromethane	**<24.5**	ug/kg	64.5	24.5	1	08/13/21 09:45	08/16/21 11:36	74-87-3	
2-Chlorotoluene	**<20.9**	ug/kg	64.5	20.9	1	08/13/21 09:45	08/16/21 11:36	95-49-8	
4-Chlorotoluene	**<24.5**	ug/kg	64.5	24.5	1	08/13/21 09:45	08/16/21 11:36	106-43-4	
1,2-Dibromo-3-chloropropane	**<50.1**	ug/kg	323	50.1	1	08/13/21 09:45	08/16/21 11:36	96-12-8	
Dibromochloromethane	**<221**	ug/kg	323	221	1	08/13/21 09:45	08/16/21 11:36	124-48-1	
1,2-Dibromoethane (EDB)	**<17.7**	ug/kg	64.5	17.7	1	08/13/21 09:45	08/16/21 11:36	106-93-4	
Dibromomethane	**<19.1**	ug/kg	64.5	19.1	1	08/13/21 09:45	08/16/21 11:36	74-95-3	
1,2-Dichlorobenzene	**<20.0**	ug/kg	64.5	20.0	1	08/13/21 09:45	08/16/21 11:36	95-50-1	
1,3-Dichlorobenzene	**<17.7**	ug/kg	64.5	17.7	1	08/13/21 09:45	08/16/21 11:36	541-73-1	
1,4-Dichlorobenzene	**<17.7**	ug/kg	64.5	17.7	1	08/13/21 09:45	08/16/21 11:36	106-46-7	
Dichlorodifluoromethane	**<27.8**	ug/kg	64.5	27.8	1	08/13/21 09:45	08/16/21 11:36	75-71-8	
1,1-Dichloroethane	**<16.5**	ug/kg	64.5	16.5	1	08/13/21 09:45	08/16/21 11:36	75-34-3	
1,2-Dichloroethane	**<14.8**	ug/kg	64.5	14.8	1	08/13/21 09:45	08/16/21 11:36	107-06-2	
1,1-Dichloroethene	**<21.4**	ug/kg	64.5	21.4	1	08/13/21 09:45	08/16/21 11:36	75-35-4	
cis-1,2-Dichloroethene	**<13.8**	ug/kg	64.5	13.8	1	08/13/21 09:45	08/16/21 11:36	156-59-2	
trans-1,2-Dichloroethene	**<13.9**	ug/kg	64.5	13.9	1	08/13/21 09:45	08/16/21 11:36	156-60-5	
1,2-Dichloropropane	**<15.4**	ug/kg	64.5	15.4	1	08/13/21 09:45	08/16/21 11:36	78-87-5	
1,3-Dichloropropane	**<14.1**	ug/kg	64.5	14.1	1	08/13/21 09:45	08/16/21 11:36	142-28-9	
2,2-Dichloropropane	**<17.4**	ug/kg	64.5	17.4	1	08/13/21 09:45	08/16/21 11:36	594-20-7	
1,1-Dichloropropene	**<20.9**	ug/kg	64.5	20.9	1	08/13/21 09:45	08/16/21 11:36	563-58-6	
cis-1,3-Dichloropropene	**<42.6**	ug/kg	323	42.6	1	08/13/21 09:45	08/16/21 11:36	10061-01-5	
trans-1,3-Dichloropropene	**<185**	ug/kg	323	185	1	08/13/21 09:45	08/16/21 11:36	10061-02-6	
Diisopropyl ether	**<16.0**	ug/kg	64.5	16.0	1	08/13/21 09:45	08/16/21 11:36	108-20-3	
Ethylbenzene	**<15.4**	ug/kg	64.5	15.4	1	08/13/21 09:45	08/16/21 11:36	100-41-4	
Hexachloro-1,3-butadiene	**<128**	ug/kg	323	128	1	08/13/21 09:45	08/16/21 11:36	87-68-3	
Isopropylbenzene (Cumene)	**<17.4**	ug/kg	64.5	17.4	1	08/13/21 09:45	08/16/21 11:36	98-82-8	
p-Isopropyltoluene	**<19.6**	ug/kg	64.5	19.6	1	08/13/21 09:45	08/16/21 11:36	99-87-6	
Methylene Chloride	**<17.9**	ug/kg	64.5	17.9	1	08/13/21 09:45	08/16/21 11:36	75-09-2	
Methyl-tert-butyl ether	**<19.0**	ug/kg	64.5	19.0	1	08/13/21 09:45	08/16/21 11:36	1634-04-4	
Naphthalene	**<20.1**	ug/kg	323	20.1	1	08/13/21 09:45	08/16/21 11:36	91-20-3	
n-Propylbenzene	**<15.5**	ug/kg	64.5	15.5	1	08/13/21 09:45	08/16/21 11:36	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-5 (1-2') **Lab ID: 40231479002** Collected: 08/10/21 09:00 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<16.5**	ug/kg	64.5	16.5	1	08/13/21 09:45	08/16/21 11:36	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.5**	ug/kg	64.5	15.5	1	08/13/21 09:45	08/16/21 11:36	630-20-6	
1,1,2,2-Tetrachloroethane	**<23.4**	ug/kg	64.5	23.4	1	08/13/21 09:45	08/16/21 11:36	79-34-5	
Tetrachloroethene	**<25.0**	ug/kg	64.5	25.0	1	08/13/21 09:45	08/16/21 11:36	127-18-4	
Toluene	**<16.3**	ug/kg	64.5	16.3	1	08/13/21 09:45	08/16/21 11:36	108-88-3	
1,2,3-Trichlorobenzene	**<71.9**	ug/kg	323	71.9	1	08/13/21 09:45	08/16/21 11:36	87-61-6	
1,2,4-Trichlorobenzene	**<53.2**	ug/kg	323	53.2	1	08/13/21 09:45	08/16/21 11:36	120-82-1	
1,1,1-Trichloroethane	**<16.5**	ug/kg	64.5	16.5	1	08/13/21 09:45	08/16/21 11:36	71-55-6	
1,1,2-Trichloroethane	**<23.5**	ug/kg	64.5	23.5	1	08/13/21 09:45	08/16/21 11:36	79-00-5	
Trichloroethene	**<24.1**	ug/kg	64.5	24.1	1	08/13/21 09:45	08/16/21 11:36	79-01-6	
Trichlorofluoromethane	**<18.7**	ug/kg	64.5	18.7	1	08/13/21 09:45	08/16/21 11:36	75-69-4	
1,2,3-Trichloropropane	**<31.4**	ug/kg	64.5	31.4	1	08/13/21 09:45	08/16/21 11:36	96-18-4	
1,2,4-Trimethylbenzene	**<19.2**	ug/kg	64.5	19.2	1	08/13/21 09:45	08/16/21 11:36	95-63-6	
1,3,5-Trimethylbenzene	**<20.8**	ug/kg	64.5	20.8	1	08/13/21 09:45	08/16/21 11:36	108-67-8	
Vinyl chloride	**<13.0**	ug/kg	64.5	13.0	1	08/13/21 09:45	08/16/21 11:36	75-01-4	
Xylene (Total)	**<46.6**	ug/kg	194	46.6	1	08/13/21 09:45	08/16/21 11:36	1330-20-7	
m&p-Xylene	**<27.2**	ug/kg	129	27.2	1	08/13/21 09:45	08/16/21 11:36	179601-23-1	
o-Xylene	**<19.4**	ug/kg	64.5	19.4	1	08/13/21 09:45	08/16/21 11:36	95-47-6	
Surrogates									
Toluene-d8 (S)	129	%	67-159		1	08/13/21 09:45	08/16/21 11:36	2037-26-5	
4-Bromofluorobenzene (S)	133	%	66-153		1	08/13/21 09:45	08/16/21 11:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	133	%	82-158		1	08/13/21 09:45	08/16/21 11:36	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**12.7**	%	0.10	0.10	1		08/12/21 13:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-5 (9-10') **Lab ID: 40231479003** Collected: 08/10/21 09:05 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.8**	ug/kg	26.6	15.8	1	08/13/21 09:45	08/16/21 11:56	71-43-2	
Bromobenzene	**<25.9**	ug/kg	66.5	25.9	1	08/13/21 09:45	08/16/21 11:56	108-86-1	
Bromochloromethane	**<18.2**	ug/kg	66.5	18.2	1	08/13/21 09:45	08/16/21 11:56	74-97-5	
Bromodichloromethane	**<15.8**	ug/kg	66.5	15.8	1	08/13/21 09:45	08/16/21 11:56	75-27-4	
Bromoform	**<293**	ug/kg	333	293	1	08/13/21 09:45	08/16/21 11:56	75-25-2	
Bromomethane	**<93.2**	ug/kg	333	93.2	1	08/13/21 09:45	08/16/21 11:56	74-83-9	
n-Butylbenzene	**<30.5**	ug/kg	66.5	30.5	1	08/13/21 09:45	08/16/21 11:56	104-51-8	
sec-Butylbenzene	**<16.2**	ug/kg	66.5	16.2	1	08/13/21 09:45	08/16/21 11:56	135-98-8	
tert-Butylbenzene	**<20.9**	ug/kg	66.5	20.9	1	08/13/21 09:45	08/16/21 11:56	98-06-6	
Carbon tetrachloride	**<14.6**	ug/kg	66.5	14.6	1	08/13/21 09:45	08/16/21 11:56	56-23-5	
Chlorobenzene	**<8.0**	ug/kg	66.5	8.0	1	08/13/21 09:45	08/16/21 11:56	108-90-7	
Chloroethane	**<28.1**	ug/kg	333	28.1	1	08/13/21 09:45	08/16/21 11:56	75-00-3	
Chloroform	**<47.6**	ug/kg	333	47.6	1	08/13/21 09:45	08/16/21 11:56	67-66-3	
Chloromethane	**<25.3**	ug/kg	66.5	25.3	1	08/13/21 09:45	08/16/21 11:56	74-87-3	
2-Chlorotoluene	**<21.5**	ug/kg	66.5	21.5	1	08/13/21 09:45	08/16/21 11:56	95-49-8	
4-Chlorotoluene	**<25.3**	ug/kg	66.5	25.3	1	08/13/21 09:45	08/16/21 11:56	106-43-4	
1,2-Dibromo-3-chloropropane	**<51.6**	ug/kg	333	51.6	1	08/13/21 09:45	08/16/21 11:56	96-12-8	
Dibromochloromethane	**<227**	ug/kg	333	227	1	08/13/21 09:45	08/16/21 11:56	124-48-1	
1,2-Dibromoethane (EDB)	**<18.2**	ug/kg	66.5	18.2	1	08/13/21 09:45	08/16/21 11:56	106-93-4	
Dibromomethane	**<19.7**	ug/kg	66.5	19.7	1	08/13/21 09:45	08/16/21 11:56	74-95-3	
1,2-Dichlorobenzene	**<20.6**	ug/kg	66.5	20.6	1	08/13/21 09:45	08/16/21 11:56	95-50-1	
1,3-Dichlorobenzene	**<18.2**	ug/kg	66.5	18.2	1	08/13/21 09:45	08/16/21 11:56	541-73-1	
1,4-Dichlorobenzene	**<18.2**	ug/kg	66.5	18.2	1	08/13/21 09:45	08/16/21 11:56	106-46-7	
Dichlorodifluoromethane	**<28.6**	ug/kg	66.5	28.6	1	08/13/21 09:45	08/16/21 11:56	75-71-8	
1,1-Dichloroethane	**<17.0**	ug/kg	66.5	17.0	1	08/13/21 09:45	08/16/21 11:56	75-34-3	
1,2-Dichloroethane	**<15.3**	ug/kg	66.5	15.3	1	08/13/21 09:45	08/16/21 11:56	107-06-2	
1,1-Dichloroethene	**<22.1**	ug/kg	66.5	22.1	1	08/13/21 09:45	08/16/21 11:56	75-35-4	
cis-1,2-Dichloroethene	**<14.2**	ug/kg	66.5	14.2	1	08/13/21 09:45	08/16/21 11:56	156-59-2	
trans-1,2-Dichloroethene	**<14.4**	ug/kg	66.5	14.4	1	08/13/21 09:45	08/16/21 11:56	156-60-5	
1,2-Dichloropropane	**<15.8**	ug/kg	66.5	15.8	1	08/13/21 09:45	08/16/21 11:56	78-87-5	
1,3-Dichloropropane	**<14.5**	ug/kg	66.5	14.5	1	08/13/21 09:45	08/16/21 11:56	142-28-9	
2,2-Dichloropropane	**<18.0**	ug/kg	66.5	18.0	1	08/13/21 09:45	08/16/21 11:56	594-20-7	
1,1-Dichloropropene	**<21.5**	ug/kg	66.5	21.5	1	08/13/21 09:45	08/16/21 11:56	563-58-6	
cis-1,3-Dichloropropene	**<43.9**	ug/kg	333	43.9	1	08/13/21 09:45	08/16/21 11:56	10061-01-5	
trans-1,3-Dichloropropene	**<190**	ug/kg	333	190	1	08/13/21 09:45	08/16/21 11:56	10061-02-6	
Diisopropyl ether	**<16.5**	ug/kg	66.5	16.5	1	08/13/21 09:45	08/16/21 11:56	108-20-3	
Ethylbenzene	**<15.8**	ug/kg	66.5	15.8	1	08/13/21 09:45	08/16/21 11:56	100-41-4	
Hexachloro-1,3-butadiene	**<132**	ug/kg	333	132	1	08/13/21 09:45	08/16/21 11:56	87-68-3	
Isopropylbenzene (Cumene)	**<18.0**	ug/kg	66.5	18.0	1	08/13/21 09:45	08/16/21 11:56	98-82-8	
p-Isopropyltoluene	**<20.2**	ug/kg	66.5	20.2	1	08/13/21 09:45	08/16/21 11:56	99-87-6	
Methylene Chloride	**<18.5**	ug/kg	66.5	18.5	1	08/13/21 09:45	08/16/21 11:56	75-09-2	
Methyl-tert-butyl ether	**<19.6**	ug/kg	66.5	19.6	1	08/13/21 09:45	08/16/21 11:56	1634-04-4	
Naphthalene	**<20.8**	ug/kg	333	20.8	1	08/13/21 09:45	08/16/21 11:56	91-20-3	
n-Propylbenzene	**<16.0**	ug/kg	66.5	16.0	1	08/13/21 09:45	08/16/21 11:56	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-5 (9-10') **Lab ID: 40231479003** Collected: 08/10/21 09:05 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<17.0**	ug/kg	66.5	17.0	1	08/13/21 09:45	08/16/21 11:56	100-42-5	
1,1,1,2-Tetrachloroethane	**<16.0**	ug/kg	66.5	16.0	1	08/13/21 09:45	08/16/21 11:56	630-20-6	
1,1,2,2-Tetrachloroethane	**<24.1**	ug/kg	66.5	24.1	1	08/13/21 09:45	08/16/21 11:56	79-34-5	
Tetrachloroethene	**<25.8**	ug/kg	66.5	25.8	1	08/13/21 09:45	08/16/21 11:56	127-18-4	
Toluene	**<16.8**	ug/kg	66.5	16.8	1	08/13/21 09:45	08/16/21 11:56	108-88-3	
1,2,3-Trichlorobenzene	**<74.1**	ug/kg	333	74.1	1	08/13/21 09:45	08/16/21 11:56	87-61-6	
1,2,4-Trichlorobenzene	**<54.8**	ug/kg	333	54.8	1	08/13/21 09:45	08/16/21 11:56	120-82-1	
1,1,1-Trichloroethane	**<17.0**	ug/kg	66.5	17.0	1	08/13/21 09:45	08/16/21 11:56	71-55-6	
1,1,2-Trichloroethane	**<24.2**	ug/kg	66.5	24.2	1	08/13/21 09:45	08/16/21 11:56	79-00-5	
Trichloroethene	**<24.9**	ug/kg	66.5	24.9	1	08/13/21 09:45	08/16/21 11:56	79-01-6	
Trichlorofluoromethane	**<19.3**	ug/kg	66.5	19.3	1	08/13/21 09:45	08/16/21 11:56	75-69-4	
1,2,3-Trichloropropane	**<32.3**	ug/kg	66.5	32.3	1	08/13/21 09:45	08/16/21 11:56	96-18-4	
1,2,4-Trimethylbenzene	**<19.8**	ug/kg	66.5	19.8	1	08/13/21 09:45	08/16/21 11:56	95-63-6	
1,3,5-Trimethylbenzene	**<21.4**	ug/kg	66.5	21.4	1	08/13/21 09:45	08/16/21 11:56	108-67-8	
Vinyl chloride	**<13.4**	ug/kg	66.5	13.4	1	08/13/21 09:45	08/16/21 11:56	75-01-4	
Xylene (Total)	**<48.0**	ug/kg	200	48.0	1	08/13/21 09:45	08/16/21 11:56	1330-20-7	
m&p-Xylene	**<28.1**	ug/kg	133	28.1	1	08/13/21 09:45	08/16/21 11:56	179601-23-1	
o-Xylene	**<20.0**	ug/kg	66.5	20.0	1	08/13/21 09:45	08/16/21 11:56	95-47-6	
Surrogates									
Toluene-d8 (S)	129	%	67-159		1	08/13/21 09:45	08/16/21 11:56	2037-26-5	
4-Bromofluorobenzene (S)	121	%	66-153		1	08/13/21 09:45	08/16/21 11:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	120	%	82-158		1	08/13/21 09:45	08/16/21 11:56	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.2**	%	0.10	0.10	1		08/12/21 13:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-5 (14-15') **Lab ID: 40231479004** Collected: 08/10/21 09:10 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.7**	ug/kg	26.4	15.7	1	08/13/21 09:45	08/16/21 12:15	71-43-2	
Bromobenzene	**<25.8**	ug/kg	66.1	25.8	1	08/13/21 09:45	08/16/21 12:15	108-86-1	
Bromochloromethane	**<18.1**	ug/kg	66.1	18.1	1	08/13/21 09:45	08/16/21 12:15	74-97-5	
Bromodichloromethane	**<15.7**	ug/kg	66.1	15.7	1	08/13/21 09:45	08/16/21 12:15	75-27-4	
Bromoform	**<291**	ug/kg	330	291	1	08/13/21 09:45	08/16/21 12:15	75-25-2	
Bromomethane	**<92.7**	ug/kg	330	92.7	1	08/13/21 09:45	08/16/21 12:15	74-83-9	
n-Butylbenzene	**<30.3**	ug/kg	66.1	30.3	1	08/13/21 09:45	08/16/21 12:15	104-51-8	
sec-Butylbenzene	**<16.1**	ug/kg	66.1	16.1	1	08/13/21 09:45	08/16/21 12:15	135-98-8	
tert-Butylbenzene	**<20.8**	ug/kg	66.1	20.8	1	08/13/21 09:45	08/16/21 12:15	98-06-6	
Carbon tetrachloride	**<14.5**	ug/kg	66.1	14.5	1	08/13/21 09:45	08/16/21 12:15	56-23-5	
Chlorobenzene	**<7.9**	ug/kg	66.1	7.9	1	08/13/21 09:45	08/16/21 12:15	108-90-7	
Chloroethane	**<27.9**	ug/kg	330	27.9	1	08/13/21 09:45	08/16/21 12:15	75-00-3	
Chloroform	**<47.3**	ug/kg	330	47.3	1	08/13/21 09:45	08/16/21 12:15	67-66-3	
Chloromethane	**<25.1**	ug/kg	66.1	25.1	1	08/13/21 09:45	08/16/21 12:15	74-87-3	
2-Chlorotoluene	**<21.4**	ug/kg	66.1	21.4	1	08/13/21 09:45	08/16/21 12:15	95-49-8	
4-Chlorotoluene	**<25.1**	ug/kg	66.1	25.1	1	08/13/21 09:45	08/16/21 12:15	106-43-4	
1,2-Dibromo-3-chloropropane	**<51.3**	ug/kg	330	51.3	1	08/13/21 09:45	08/16/21 12:15	96-12-8	
Dibromochloromethane	**<226**	ug/kg	330	226	1	08/13/21 09:45	08/16/21 12:15	124-48-1	
1,2-Dibromoethane (EDB)	**<18.1**	ug/kg	66.1	18.1	1	08/13/21 09:45	08/16/21 12:15	106-93-4	
Dibromomethane	**<19.6**	ug/kg	66.1	19.6	1	08/13/21 09:45	08/16/21 12:15	74-95-3	
1,2-Dichlorobenzene	**<20.5**	ug/kg	66.1	20.5	1	08/13/21 09:45	08/16/21 12:15	95-50-1	
1,3-Dichlorobenzene	**<18.1**	ug/kg	66.1	18.1	1	08/13/21 09:45	08/16/21 12:15	541-73-1	
1,4-Dichlorobenzene	**<18.1**	ug/kg	66.1	18.1	1	08/13/21 09:45	08/16/21 12:15	106-46-7	
Dichlorodifluoromethane	**<28.4**	ug/kg	66.1	28.4	1	08/13/21 09:45	08/16/21 12:15	75-71-8	
1,1-Dichloroethane	**<16.9**	ug/kg	66.1	16.9	1	08/13/21 09:45	08/16/21 12:15	75-34-3	
1,2-Dichloroethane	**<15.2**	ug/kg	66.1	15.2	1	08/13/21 09:45	08/16/21 12:15	107-06-2	
1,1-Dichloroethene	**<21.9**	ug/kg	66.1	21.9	1	08/13/21 09:45	08/16/21 12:15	75-35-4	
cis-1,2-Dichloroethene	**<14.1**	ug/kg	66.1	14.1	1	08/13/21 09:45	08/16/21 12:15	156-59-2	
trans-1,2-Dichloroethene	**<14.3**	ug/kg	66.1	14.3	1	08/13/21 09:45	08/16/21 12:15	156-60-5	
1,2-Dichloropropane	**<15.7**	ug/kg	66.1	15.7	1	08/13/21 09:45	08/16/21 12:15	78-87-5	
1,3-Dichloropropane	**<14.4**	ug/kg	66.1	14.4	1	08/13/21 09:45	08/16/21 12:15	142-28-9	
2,2-Dichloropropane	**<17.8**	ug/kg	66.1	17.8	1	08/13/21 09:45	08/16/21 12:15	594-20-7	
1,1-Dichloropropene	**<21.4**	ug/kg	66.1	21.4	1	08/13/21 09:45	08/16/21 12:15	563-58-6	
cis-1,3-Dichloropropene	**<43.6**	ug/kg	330	43.6	1	08/13/21 09:45	08/16/21 12:15	10061-01-5	
trans-1,3-Dichloropropene	**<189**	ug/kg	330	189	1	08/13/21 09:45	08/16/21 12:15	10061-02-6	
Diisopropyl ether	**<16.4**	ug/kg	66.1	16.4	1	08/13/21 09:45	08/16/21 12:15	108-20-3	
Ethylbenzene	**<15.7**	ug/kg	66.1	15.7	1	08/13/21 09:45	08/16/21 12:15	100-41-4	
Hexachloro-1,3-butadiene	**<131**	ug/kg	330	131	1	08/13/21 09:45	08/16/21 12:15	87-68-3	
Isopropylbenzene (Cumene)	**<17.8**	ug/kg	66.1	17.8	1	08/13/21 09:45	08/16/21 12:15	98-82-8	
p-Isopropyltoluene	**<20.1**	ug/kg	66.1	20.1	1	08/13/21 09:45	08/16/21 12:15	99-87-6	
Methylene Chloride	**<18.4**	ug/kg	66.1	18.4	1	08/13/21 09:45	08/16/21 12:15	75-09-2	
Methyl-tert-butyl ether	**<19.4**	ug/kg	66.1	19.4	1	08/13/21 09:45	08/16/21 12:15	1634-04-4	
Naphthalene	**<20.6**	ug/kg	330	20.6	1	08/13/21 09:45	08/16/21 12:15	91-20-3	
n-Propylbenzene	**<15.9**	ug/kg	66.1	15.9	1	08/13/21 09:45	08/16/21 12:15	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-5 (14-15') **Lab ID: 40231479004** Collected: 08/10/21 09:10 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<16.9**	ug/kg	66.1	16.9	1	08/13/21 09:45	08/16/21 12:15	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.9**	ug/kg	66.1	15.9	1	08/13/21 09:45	08/16/21 12:15	630-20-6	
1,1,2,2-Tetrachloroethane	**<23.9**	ug/kg	66.1	23.9	1	08/13/21 09:45	08/16/21 12:15	79-34-5	
Tetrachloroethene	**<25.6**	ug/kg	66.1	25.6	1	08/13/21 09:45	08/16/21 12:15	127-18-4	
Toluene	**<16.7**	ug/kg	66.1	16.7	1	08/13/21 09:45	08/16/21 12:15	108-88-3	
1,2,3-Trichlorobenzene	**<73.6**	ug/kg	330	73.6	1	08/13/21 09:45	08/16/21 12:15	87-61-6	
1,2,4-Trichlorobenzene	**<54.5**	ug/kg	330	54.5	1	08/13/21 09:45	08/16/21 12:15	120-82-1	
1,1,1-Trichloroethane	**<16.9**	ug/kg	66.1	16.9	1	08/13/21 09:45	08/16/21 12:15	71-55-6	
1,1,2-Trichloroethane	**<24.1**	ug/kg	66.1	24.1	1	08/13/21 09:45	08/16/21 12:15	79-00-5	
Trichloroethene	**<24.7**	ug/kg	66.1	24.7	1	08/13/21 09:45	08/16/21 12:15	79-01-6	
Trichlorofluoromethane	**<19.2**	ug/kg	66.1	19.2	1	08/13/21 09:45	08/16/21 12:15	75-69-4	
1,2,3-Trichloropropane	**<32.1**	ug/kg	66.1	32.1	1	08/13/21 09:45	08/16/21 12:15	96-18-4	
1,2,4-Trimethylbenzene	**31.4J**	ug/kg	66.1	19.7	1	08/13/21 09:45	08/16/21 12:15	95-63-6	
1,3,5-Trimethylbenzene	**<21.3**	ug/kg	66.1	21.3	1	08/13/21 09:45	08/16/21 12:15	108-67-8	
Vinyl chloride	**<13.3**	ug/kg	66.1	13.3	1	08/13/21 09:45	08/16/21 12:15	75-01-4	
Xylene (Total)	**<47.7**	ug/kg	198	47.7	1	08/13/21 09:45	08/16/21 12:15	1330-20-7	
m&p-Xylene	**<27.9**	ug/kg	132	27.9	1	08/13/21 09:45	08/16/21 12:15	179601-23-1	
o-Xylene	**<19.8**	ug/kg	66.1	19.8	1	08/13/21 09:45	08/16/21 12:15	95-47-6	
Surrogates									
Toluene-d8 (S)	129	%	67-159		1	08/13/21 09:45	08/16/21 12:15	2037-26-5	
4-Bromofluorobenzene (S)	122	%	66-153		1	08/13/21 09:45	08/16/21 12:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	127	%	82-158		1	08/13/21 09:45	08/16/21 12:15	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**13.9**	%	0.10	0.10	1		08/12/21 13:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-5 (20-21') **Lab ID: 40231479005** Collected: 08/10/21 09:15 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<14.9**	ug/kg	25.0	14.9	1	08/13/21 09:45	08/16/21 12:35	71-43-2	
Bromobenzene	**<24.3**	ug/kg	62.4	24.3	1	08/13/21 09:45	08/16/21 12:35	108-86-1	
Bromochloromethane	**<17.1**	ug/kg	62.4	17.1	1	08/13/21 09:45	08/16/21 12:35	74-97-5	
Bromodichloromethane	**<14.9**	ug/kg	62.4	14.9	1	08/13/21 09:45	08/16/21 12:35	75-27-4	
Bromoform	**<275**	ug/kg	312	275	1	08/13/21 09:45	08/16/21 12:35	75-25-2	
Bromomethane	**<87.5**	ug/kg	312	87.5	1	08/13/21 09:45	08/16/21 12:35	74-83-9	
n-Butylbenzene	**<28.6**	ug/kg	62.4	28.6	1	08/13/21 09:45	08/16/21 12:35	104-51-8	
sec-Butylbenzene	**<15.2**	ug/kg	62.4	15.2	1	08/13/21 09:45	08/16/21 12:35	135-98-8	
tert-Butylbenzene	**<19.6**	ug/kg	62.4	19.6	1	08/13/21 09:45	08/16/21 12:35	98-06-6	
Carbon tetrachloride	**<13.7**	ug/kg	62.4	13.7	1	08/13/21 09:45	08/16/21 12:35	56-23-5	
Chlorobenzene	**<7.5**	ug/kg	62.4	7.5	1	08/13/21 09:45	08/16/21 12:35	108-90-7	
Chloroethane	**<26.3**	ug/kg	312	26.3	1	08/13/21 09:45	08/16/21 12:35	75-00-3	
Chloroform	**<44.7**	ug/kg	312	44.7	1	08/13/21 09:45	08/16/21 12:35	67-66-3	
Chloromethane	**<23.7**	ug/kg	62.4	23.7	1	08/13/21 09:45	08/16/21 12:35	74-87-3	
2-Chlorotoluene	**<20.2**	ug/kg	62.4	20.2	1	08/13/21 09:45	08/16/21 12:35	95-49-8	
4-Chlorotoluene	**<23.7**	ug/kg	62.4	23.7	1	08/13/21 09:45	08/16/21 12:35	106-43-4	
1,2-Dibromo-3-chloropropane	**<48.4**	ug/kg	312	48.4	1	08/13/21 09:45	08/16/21 12:35	96-12-8	
Dibromochloromethane	**<213**	ug/kg	312	213	1	08/13/21 09:45	08/16/21 12:35	124-48-1	
1,2-Dibromoethane (EDB)	**<17.1**	ug/kg	62.4	17.1	1	08/13/21 09:45	08/16/21 12:35	106-93-4	
Dibromomethane	**<18.5**	ug/kg	62.4	18.5	1	08/13/21 09:45	08/16/21 12:35	74-95-3	
1,2-Dichlorobenzene	**<19.3**	ug/kg	62.4	19.3	1	08/13/21 09:45	08/16/21 12:35	95-50-1	
1,3-Dichlorobenzene	**<17.1**	ug/kg	62.4	17.1	1	08/13/21 09:45	08/16/21 12:35	541-73-1	
1,4-Dichlorobenzene	**<17.1**	ug/kg	62.4	17.1	1	08/13/21 09:45	08/16/21 12:35	106-46-7	
Dichlorodifluoromethane	**<26.8**	ug/kg	62.4	26.8	1	08/13/21 09:45	08/16/21 12:35	75-71-8	
1,1-Dichloroethane	**<16.0**	ug/kg	62.4	16.0	1	08/13/21 09:45	08/16/21 12:35	75-34-3	
1,2-Dichloroethane	**<14.4**	ug/kg	62.4	14.4	1	08/13/21 09:45	08/16/21 12:35	107-06-2	
1,1-Dichloroethene	**<20.7**	ug/kg	62.4	20.7	1	08/13/21 09:45	08/16/21 12:35	75-35-4	
cis-1,2-Dichloroethene	**31.4J**	ug/kg	62.4	13.4	1	08/13/21 09:45	08/16/21 12:35	156-59-2	
trans-1,2-Dichloroethene	**<13.5**	ug/kg	62.4	13.5	1	08/13/21 09:45	08/16/21 12:35	156-60-5	
1,2-Dichloropropane	**<14.9**	ug/kg	62.4	14.9	1	08/13/21 09:45	08/16/21 12:35	78-87-5	
1,3-Dichloropropane	**<13.6**	ug/kg	62.4	13.6	1	08/13/21 09:45	08/16/21 12:35	142-28-9	
2,2-Dichloropropane	**<16.8**	ug/kg	62.4	16.8	1	08/13/21 09:45	08/16/21 12:35	594-20-7	
1,1-Dichloropropene	**<20.2**	ug/kg	62.4	20.2	1	08/13/21 09:45	08/16/21 12:35	563-58-6	
cis-1,3-Dichloropropene	**<41.2**	ug/kg	312	41.2	1	08/13/21 09:45	08/16/21 12:35	10061-01-5	
trans-1,3-Dichloropropene	**<178**	ug/kg	312	178	1	08/13/21 09:45	08/16/21 12:35	10061-02-6	
Diisopropyl ether	**<15.5**	ug/kg	62.4	15.5	1	08/13/21 09:45	08/16/21 12:35	108-20-3	
Ethylbenzene	**<14.9**	ug/kg	62.4	14.9	1	08/13/21 09:45	08/16/21 12:35	100-41-4	
Hexachloro-1,3-butadiene	**<124**	ug/kg	312	124	1	08/13/21 09:45	08/16/21 12:35	87-68-3	
Isopropylbenzene (Cumene)	**<16.8**	ug/kg	62.4	16.8	1	08/13/21 09:45	08/16/21 12:35	98-82-8	
p-Isopropyltoluene	**<19.0**	ug/kg	62.4	19.0	1	08/13/21 09:45	08/16/21 12:35	99-87-6	
Methylene Chloride	**<17.3**	ug/kg	62.4	17.3	1	08/13/21 09:45	08/16/21 12:35	75-09-2	
Methyl-tert-butyl ether	**<18.3**	ug/kg	62.4	18.3	1	08/13/21 09:45	08/16/21 12:35	1634-04-4	
Naphthalene	**<19.5**	ug/kg	312	19.5	1	08/13/21 09:45	08/16/21 12:35	91-20-3	
n-Propylbenzene	**<15.0**	ug/kg	62.4	15.0	1	08/13/21 09:45	08/16/21 12:35	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-5 (20-21') **Lab ID: 40231479005** Collected: 08/10/21 09:15 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<16.0**	ug/kg	62.4	16.0	1	08/13/21 09:45	08/16/21 12:35	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.0**	ug/kg	62.4	15.0	1	08/13/21 09:45	08/16/21 12:35	630-20-6	
1,1,2,2-Tetrachloroethane	**<22.6**	ug/kg	62.4	22.6	1	08/13/21 09:45	08/16/21 12:35	79-34-5	
Tetrachloroethene	**<24.2**	ug/kg	62.4	24.2	1	08/13/21 09:45	08/16/21 12:35	127-18-4	
Toluene	**<15.7**	ug/kg	62.4	15.7	1	08/13/21 09:45	08/16/21 12:35	108-88-3	
1,2,3-Trichlorobenzene	**<69.5**	ug/kg	312	69.5	1	08/13/21 09:45	08/16/21 12:35	87-61-6	
1,2,4-Trichlorobenzene	**<51.4**	ug/kg	312	51.4	1	08/13/21 09:45	08/16/21 12:35	120-82-1	
1,1,1-Trichloroethane	**<16.0**	ug/kg	62.4	16.0	1	08/13/21 09:45	08/16/21 12:35	71-55-6	
1,1,2-Trichloroethane	**<22.7**	ug/kg	62.4	22.7	1	08/13/21 09:45	08/16/21 12:35	79-00-5	
Trichloroethene	**126**	ug/kg	62.4	23.3	1	08/13/21 09:45	08/16/21 12:35	79-01-6	
Trichlorofluoromethane	**<18.1**	ug/kg	62.4	18.1	1	08/13/21 09:45	08/16/21 12:35	75-69-4	
1,2,3-Trichloropropane	**<30.3**	ug/kg	62.4	30.3	1	08/13/21 09:45	08/16/21 12:35	96-18-4	
1,2,4-Trimethylbenzene	**<18.6**	ug/kg	62.4	18.6	1	08/13/21 09:45	08/16/21 12:35	95-63-6	
1,3,5-Trimethylbenzene	**<20.1**	ug/kg	62.4	20.1	1	08/13/21 09:45	08/16/21 12:35	108-67-8	
Vinyl chloride	**<12.6**	ug/kg	62.4	12.6	1	08/13/21 09:45	08/16/21 12:35	75-01-4	
Xylene (Total)	**<45.1**	ug/kg	187	45.1	1	08/13/21 09:45	08/16/21 12:35	1330-20-7	
m&p-Xylene	**<26.3**	ug/kg	125	26.3	1	08/13/21 09:45	08/16/21 12:35	179601-23-1	
o-Xylene	**<18.7**	ug/kg	62.4	18.7	1	08/13/21 09:45	08/16/21 12:35	95-47-6	
Surrogates									
Toluene-d8 (S)	113	%	67-159		1	08/13/21 09:45	08/16/21 12:35	2037-26-5	
4-Bromofluorobenzene (S)	107	%	66-153		1	08/13/21 09:45	08/16/21 12:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	82-158		1	08/13/21 09:45	08/16/21 12:35	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**11.0**	%	0.10	0.10	1		08/12/21 13:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-4 (1-2') **Lab ID: 40231479006** Collected: 08/10/21 09:30 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.1**	ug/kg	25.4	15.1	1	08/13/21 09:45	08/16/21 12:54	71-43-2	
Bromobenzene	**<24.8**	ug/kg	63.5	24.8	1	08/13/21 09:45	08/16/21 12:54	108-86-1	
Bromochloromethane	**<17.4**	ug/kg	63.5	17.4	1	08/13/21 09:45	08/16/21 12:54	74-97-5	
Bromodichloromethane	**<15.1**	ug/kg	63.5	15.1	1	08/13/21 09:45	08/16/21 12:54	75-27-4	
Bromoform	**<280**	ug/kg	318	280	1	08/13/21 09:45	08/16/21 12:54	75-25-2	
Bromomethane	**<89.1**	ug/kg	318	89.1	1	08/13/21 09:45	08/16/21 12:54	74-83-9	
n-Butylbenzene	**<29.1**	ug/kg	63.5	29.1	1	08/13/21 09:45	08/16/21 12:54	104-51-8	
sec-Butylbenzene	**<15.5**	ug/kg	63.5	15.5	1	08/13/21 09:45	08/16/21 12:54	135-98-8	
tert-Butylbenzene	**<20.0**	ug/kg	63.5	20.0	1	08/13/21 09:45	08/16/21 12:54	98-06-6	
Carbon tetrachloride	**<14.0**	ug/kg	63.5	14.0	1	08/13/21 09:45	08/16/21 12:54	56-23-5	
Chlorobenzene	**<7.6**	ug/kg	63.5	7.6	1	08/13/21 09:45	08/16/21 12:54	108-90-7	
Chloroethane	**<26.8**	ug/kg	318	26.8	1	08/13/21 09:45	08/16/21 12:54	75-00-3	
Chloroform	**<45.5**	ug/kg	318	45.5	1	08/13/21 09:45	08/16/21 12:54	67-66-3	
Chloromethane	**<24.1**	ug/kg	63.5	24.1	1	08/13/21 09:45	08/16/21 12:54	74-87-3	
2-Chlorotoluene	**<20.6**	ug/kg	63.5	20.6	1	08/13/21 09:45	08/16/21 12:54	95-49-8	
4-Chlorotoluene	**<24.1**	ug/kg	63.5	24.1	1	08/13/21 09:45	08/16/21 12:54	106-43-4	
1,2-Dibromo-3-chloropropane	**<49.3**	ug/kg	318	49.3	1	08/13/21 09:45	08/16/21 12:54	96-12-8	
Dibromochloromethane	**<217**	ug/kg	318	217	1	08/13/21 09:45	08/16/21 12:54	124-48-1	
1,2-Dibromoethane (EDB)	**<17.4**	ug/kg	63.5	17.4	1	08/13/21 09:45	08/16/21 12:54	106-93-4	
Dibromomethane	**<18.8**	ug/kg	63.5	18.8	1	08/13/21 09:45	08/16/21 12:54	74-95-3	
1,2-Dichlorobenzene	**<19.7**	ug/kg	63.5	19.7	1	08/13/21 09:45	08/16/21 12:54	95-50-1	
1,3-Dichlorobenzene	**<17.4**	ug/kg	63.5	17.4	1	08/13/21 09:45	08/16/21 12:54	541-73-1	
1,4-Dichlorobenzene	**<17.4**	ug/kg	63.5	17.4	1	08/13/21 09:45	08/16/21 12:54	106-46-7	
Dichlorodifluoromethane	**<27.3**	ug/kg	63.5	27.3	1	08/13/21 09:45	08/16/21 12:54	75-71-8	
1,1-Dichloroethane	**<16.3**	ug/kg	63.5	16.3	1	08/13/21 09:45	08/16/21 12:54	75-34-3	
1,2-Dichloroethane	**<14.6**	ug/kg	63.5	14.6	1	08/13/21 09:45	08/16/21 12:54	107-06-2	
1,1-Dichloroethene	**<21.1**	ug/kg	63.5	21.1	1	08/13/21 09:45	08/16/21 12:54	75-35-4	
cis-1,2-Dichloroethene	**<13.6**	ug/kg	63.5	13.6	1	08/13/21 09:45	08/16/21 12:54	156-59-2	
trans-1,2-Dichloroethene	**<13.7**	ug/kg	63.5	13.7	1	08/13/21 09:45	08/16/21 12:54	156-60-5	
1,2-Dichloropropane	**<15.1**	ug/kg	63.5	15.1	1	08/13/21 09:45	08/16/21 12:54	78-87-5	
1,3-Dichloropropane	**<13.9**	ug/kg	63.5	13.9	1	08/13/21 09:45	08/16/21 12:54	142-28-9	
2,2-Dichloropropane	**<17.2**	ug/kg	63.5	17.2	1	08/13/21 09:45	08/16/21 12:54	594-20-7	
1,1-Dichloropropene	**<20.6**	ug/kg	63.5	20.6	1	08/13/21 09:45	08/16/21 12:54	563-58-6	
cis-1,3-Dichloropropene	**<41.9**	ug/kg	318	41.9	1	08/13/21 09:45	08/16/21 12:54	10061-01-5	
trans-1,3-Dichloropropene	**<182**	ug/kg	318	182	1	08/13/21 09:45	08/16/21 12:54	10061-02-6	
Diisopropyl ether	**<15.8**	ug/kg	63.5	15.8	1	08/13/21 09:45	08/16/21 12:54	108-20-3	
Ethylbenzene	**<15.1**	ug/kg	63.5	15.1	1	08/13/21 09:45	08/16/21 12:54	100-41-4	
Hexachloro-1,3-butadiene	**<126**	ug/kg	318	126	1	08/13/21 09:45	08/16/21 12:54	87-68-3	
Isopropylbenzene (Cumene)	**<17.2**	ug/kg	63.5	17.2	1	08/13/21 09:45	08/16/21 12:54	98-82-8	
p-Isopropyltoluene	**<19.3**	ug/kg	63.5	19.3	1	08/13/21 09:45	08/16/21 12:54	99-87-6	
Methylene Chloride	**<17.7**	ug/kg	63.5	17.7	1	08/13/21 09:45	08/16/21 12:54	75-09-2	
Methyl-tert-butyl ether	**<18.7**	ug/kg	63.5	18.7	1	08/13/21 09:45	08/16/21 12:54	1634-04-4	
Naphthalene	**<19.8**	ug/kg	318	19.8	1	08/13/21 09:45	08/16/21 12:54	91-20-3	
n-Propylbenzene	**<15.3**	ug/kg	63.5	15.3	1	08/13/21 09:45	08/16/21 12:54	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-4 (1-2') **Lab ID: 40231479006** Collected: 08/10/21 09:30 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<16.3**	ug/kg	63.5	16.3	1	08/13/21 09:45	08/16/21 12:54	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.3**	ug/kg	63.5	15.3	1	08/13/21 09:45	08/16/21 12:54	630-20-6	
1,1,2,2-Tetrachloroethane	**<23.0**	ug/kg	63.5	23.0	1	08/13/21 09:45	08/16/21 12:54	79-34-5	
Tetrachloroethene	**<24.7**	ug/kg	63.5	24.7	1	08/13/21 09:45	08/16/21 12:54	127-18-4	
Toluene	**<16.0**	ug/kg	63.5	16.0	1	08/13/21 09:45	08/16/21 12:54	108-88-3	
1,2,3-Trichlorobenzene	**<70.8**	ug/kg	318	70.8	1	08/13/21 09:45	08/16/21 12:54	87-61-6	
1,2,4-Trichlorobenzene	**<52.4**	ug/kg	318	52.4	1	08/13/21 09:45	08/16/21 12:54	120-82-1	
1,1,1-Trichloroethane	**<16.3**	ug/kg	63.5	16.3	1	08/13/21 09:45	08/16/21 12:54	71-55-6	
1,1,2-Trichloroethane	**<23.1**	ug/kg	63.5	23.1	1	08/13/21 09:45	08/16/21 12:54	79-00-5	
Trichloroethene	**<23.8**	ug/kg	63.5	23.8	1	08/13/21 09:45	08/16/21 12:54	79-01-6	
Trichlorofluoromethane	**<18.4**	ug/kg	63.5	18.4	1	08/13/21 09:45	08/16/21 12:54	75-69-4	
1,2,3-Trichloropropane	**<30.9**	ug/kg	63.5	30.9	1	08/13/21 09:45	08/16/21 12:54	96-18-4	
1,2,4-Trimethylbenzene	**<18.9**	ug/kg	63.5	18.9	1	08/13/21 09:45	08/16/21 12:54	95-63-6	
1,3,5-Trimethylbenzene	**<20.5**	ug/kg	63.5	20.5	1	08/13/21 09:45	08/16/21 12:54	108-67-8	
Vinyl chloride	**<12.8**	ug/kg	63.5	12.8	1	08/13/21 09:45	08/16/21 12:54	75-01-4	
Xylene (Total)	**<45.9**	ug/kg	191	45.9	1	08/13/21 09:45	08/16/21 12:54	1330-20-7	
m&p-Xylene	**<26.8**	ug/kg	127	26.8	1	08/13/21 09:45	08/16/21 12:54	179601-23-1	
o-Xylene	**<19.1**	ug/kg	63.5	19.1	1	08/13/21 09:45	08/16/21 12:54	95-47-6	
Surrogates									
Toluene-d8 (S)	137	%	67-159		1	08/13/21 09:45	08/16/21 12:54	2037-26-5	
4-Bromofluorobenzene (S)	130	%	66-153		1	08/13/21 09:45	08/16/21 12:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	130	%	82-158		1	08/13/21 09:45	08/16/21 12:54	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**11.9**	%	0.10	0.10	1		08/12/21 13:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-4 (9-10') **Lab ID: 40231479007** Collected: 08/10/21 09:35 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<14.3**	ug/kg	24.1	14.3	1	08/13/21 09:45	08/16/21 13:14	71-43-2	
Bromobenzene	**<23.5**	ug/kg	60.2	23.5	1	08/13/21 09:45	08/16/21 13:14	108-86-1	
Bromochloromethane	**<16.5**	ug/kg	60.2	16.5	1	08/13/21 09:45	08/16/21 13:14	74-97-5	
Bromodichloromethane	**<14.3**	ug/kg	60.2	14.3	1	08/13/21 09:45	08/16/21 13:14	75-27-4	
Bromoform	**<265**	ug/kg	301	265	1	08/13/21 09:45	08/16/21 13:14	75-25-2	
Bromomethane	**<84.4**	ug/kg	301	84.4	1	08/13/21 09:45	08/16/21 13:14	74-83-9	
n-Butylbenzene	**<27.6**	ug/kg	60.2	27.6	1	08/13/21 09:45	08/16/21 13:14	104-51-8	
sec-Butylbenzene	**<14.7**	ug/kg	60.2	14.7	1	08/13/21 09:45	08/16/21 13:14	135-98-8	
tert-Butylbenzene	**<18.9**	ug/kg	60.2	18.9	1	08/13/21 09:45	08/16/21 13:14	98-06-6	
Carbon tetrachloride	**<13.3**	ug/kg	60.2	13.3	1	08/13/21 09:45	08/16/21 13:14	56-23-5	
Chlorobenzene	**<7.2**	ug/kg	60.2	7.2	1	08/13/21 09:45	08/16/21 13:14	108-90-7	
Chloroethane	**<25.4**	ug/kg	301	25.4	1	08/13/21 09:45	08/16/21 13:14	75-00-3	
Chloroform	**<43.1**	ug/kg	301	43.1	1	08/13/21 09:45	08/16/21 13:14	67-66-3	
Chloromethane	**<22.9**	ug/kg	60.2	22.9	1	08/13/21 09:45	08/16/21 13:14	74-87-3	
2-Chlorotoluene	**<19.5**	ug/kg	60.2	19.5	1	08/13/21 09:45	08/16/21 13:14	95-49-8	
4-Chlorotoluene	**<22.9**	ug/kg	60.2	22.9	1	08/13/21 09:45	08/16/21 13:14	106-43-4	
1,2-Dibromo-3-chloropropane	**<46.7**	ug/kg	301	46.7	1	08/13/21 09:45	08/16/21 13:14	96-12-8	
Dibromochloromethane	**<206**	ug/kg	301	206	1	08/13/21 09:45	08/16/21 13:14	124-48-1	
1,2-Dibromoethane (EDB)	**<16.5**	ug/kg	60.2	16.5	1	08/13/21 09:45	08/16/21 13:14	106-93-4	
Dibromomethane	**<17.8**	ug/kg	60.2	17.8	1	08/13/21 09:45	08/16/21 13:14	74-95-3	
1,2-Dichlorobenzene	**<18.7**	ug/kg	60.2	18.7	1	08/13/21 09:45	08/16/21 13:14	95-50-1	
1,3-Dichlorobenzene	**<16.5**	ug/kg	60.2	16.5	1	08/13/21 09:45	08/16/21 13:14	541-73-1	
1,4-Dichlorobenzene	**<16.5**	ug/kg	60.2	16.5	1	08/13/21 09:45	08/16/21 13:14	106-46-7	
Dichlorodifluoromethane	**<25.9**	ug/kg	60.2	25.9	1	08/13/21 09:45	08/16/21 13:14	75-71-8	
1,1-Dichloroethane	**<15.4**	ug/kg	60.2	15.4	1	08/13/21 09:45	08/16/21 13:14	75-34-3	
1,2-Dichloroethane	**<13.9**	ug/kg	60.2	13.9	1	08/13/21 09:45	08/16/21 13:14	107-06-2	
1,1-Dichloroethene	**<20.0**	ug/kg	60.2	20.0	1	08/13/21 09:45	08/16/21 13:14	75-35-4	
cis-1,2-Dichloroethene	**<12.9**	ug/kg	60.2	12.9	1	08/13/21 09:45	08/16/21 13:14	156-59-2	
trans-1,2-Dichloroethene	**<13.0**	ug/kg	60.2	13.0	1	08/13/21 09:45	08/16/21 13:14	156-60-5	
1,2-Dichloropropane	**<14.3**	ug/kg	60.2	14.3	1	08/13/21 09:45	08/16/21 13:14	78-87-5	
1,3-Dichloropropane	**<13.1**	ug/kg	60.2	13.1	1	08/13/21 09:45	08/16/21 13:14	142-28-9	
2,2-Dichloropropane	**<16.3**	ug/kg	60.2	16.3	1	08/13/21 09:45	08/16/21 13:14	594-20-7	
1,1-Dichloropropene	**<19.5**	ug/kg	60.2	19.5	1	08/13/21 09:45	08/16/21 13:14	563-58-6	
cis-1,3-Dichloropropene	**<39.8**	ug/kg	301	39.8	1	08/13/21 09:45	08/16/21 13:14	10061-01-5	
trans-1,3-Dichloropropene	**<172**	ug/kg	301	172	1	08/13/21 09:45	08/16/21 13:14	10061-02-6	
Diisopropyl ether	**<14.9**	ug/kg	60.2	14.9	1	08/13/21 09:45	08/16/21 13:14	108-20-3	
Ethylbenzene	**<14.3**	ug/kg	60.2	14.3	1	08/13/21 09:45	08/16/21 13:14	100-41-4	
Hexachloro-1,3-butadiene	**<120**	ug/kg	301	120	1	08/13/21 09:45	08/16/21 13:14	87-68-3	
Isopropylbenzene (Cumene)	**<16.3**	ug/kg	60.2	16.3	1	08/13/21 09:45	08/16/21 13:14	98-82-8	
p-Isopropyltoluene	**<18.3**	ug/kg	60.2	18.3	1	08/13/21 09:45	08/16/21 13:14	99-87-6	
Methylene Chloride	**<16.7**	ug/kg	60.2	16.7	1	08/13/21 09:45	08/16/21 13:14	75-09-2	
Methyl-tert-butyl ether	**<17.7**	ug/kg	60.2	17.7	1	08/13/21 09:45	08/16/21 13:14	1634-04-4	
Naphthalene	**<18.8**	ug/kg	301	18.8	1	08/13/21 09:45	08/16/21 13:14	91-20-3	
n-Propylbenzene	**<14.5**	ug/kg	60.2	14.5	1	08/13/21 09:45	08/16/21 13:14	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-4 (9-10') **Lab ID: 40231479007** Collected: 08/10/21 09:35 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<15.4**	ug/kg	60.2	15.4	1	08/13/21 09:45	08/16/21 13:14	100-42-5	
1,1,1,2-Tetrachloroethane	**<14.5**	ug/kg	60.2	14.5	1	08/13/21 09:45	08/16/21 13:14	630-20-6	
1,1,2,2-Tetrachloroethane	**<21.8**	ug/kg	60.2	21.8	1	08/13/21 09:45	08/16/21 13:14	79-34-5	
Tetrachloroethene	**<23.4**	ug/kg	60.2	23.4	1	08/13/21 09:45	08/16/21 13:14	127-18-4	
Toluene	**<15.2**	ug/kg	60.2	15.2	1	08/13/21 09:45	08/16/21 13:14	108-88-3	
1,2,3-Trichlorobenzene	**<67.1**	ug/kg	301	67.1	1	08/13/21 09:45	08/16/21 13:14	87-61-6	
1,2,4-Trichlorobenzene	**<49.6**	ug/kg	301	49.6	1	08/13/21 09:45	08/16/21 13:14	120-82-1	
1,1,1-Trichloroethane	**<15.4**	ug/kg	60.2	15.4	1	08/13/21 09:45	08/16/21 13:14	71-55-6	
1,1,2-Trichloroethane	**<21.9**	ug/kg	60.2	21.9	1	08/13/21 09:45	08/16/21 13:14	79-00-5	
Trichloroethene	**<22.5**	ug/kg	60.2	22.5	1	08/13/21 09:45	08/16/21 13:14	79-01-6	
Trichlorofluoromethane	**<17.5**	ug/kg	60.2	17.5	1	08/13/21 09:45	08/16/21 13:14	75-69-4	
1,2,3-Trichloropropane	**<29.3**	ug/kg	60.2	29.3	1	08/13/21 09:45	08/16/21 13:14	96-18-4	
1,2,4-Trimethylbenzene	**<17.9**	ug/kg	60.2	17.9	1	08/13/21 09:45	08/16/21 13:14	95-63-6	
1,3,5-Trimethylbenzene	**<19.4**	ug/kg	60.2	19.4	1	08/13/21 09:45	08/16/21 13:14	108-67-8	
Vinyl chloride	**<12.2**	ug/kg	60.2	12.2	1	08/13/21 09:45	08/16/21 13:14	75-01-4	
Xylene (Total)	**<43.5**	ug/kg	181	43.5	1	08/13/21 09:45	08/16/21 13:14	1330-20-7	
m&p-Xylene	**<25.4**	ug/kg	120	25.4	1	08/13/21 09:45	08/16/21 13:14	179601-23-1	
o-Xylene	**<18.1**	ug/kg	60.2	18.1	1	08/13/21 09:45	08/16/21 13:14	95-47-6	
Surrogates									
Toluene-d8 (S)	129	%	67-159		1	08/13/21 09:45	08/16/21 13:14	2037-26-5	
4-Bromofluorobenzene (S)	119	%	66-153		1	08/13/21 09:45	08/16/21 13:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	120	%	82-158		1	08/13/21 09:45	08/16/21 13:14	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**9.3**	%	0.10	0.10	1		08/12/21 13:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-4 (14-15') **Lab ID: 40231479008** Collected: 08/10/21 09:40 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.7**	ug/kg	26.5	15.7	1	08/13/21 09:45	08/16/21 11:17	71-43-2	
Bromobenzene	**<25.8**	ug/kg	66.2	25.8	1	08/13/21 09:45	08/16/21 11:17	108-86-1	
Bromochloromethane	**<18.1**	ug/kg	66.2	18.1	1	08/13/21 09:45	08/16/21 11:17	74-97-5	
Bromodichloromethane	**<15.7**	ug/kg	66.2	15.7	1	08/13/21 09:45	08/16/21 11:17	75-27-4	
Bromoform	**<291**	ug/kg	331	291	1	08/13/21 09:45	08/16/21 11:17	75-25-2	
Bromomethane	**<92.8**	ug/kg	331	92.8	1	08/13/21 09:45	08/16/21 11:17	74-83-9	
n-Butylbenzene	**<30.3**	ug/kg	66.2	30.3	1	08/13/21 09:45	08/16/21 11:17	104-51-8	
sec-Butylbenzene	**<16.1**	ug/kg	66.2	16.1	1	08/13/21 09:45	08/16/21 11:17	135-98-8	
tert-Butylbenzene	**<20.8**	ug/kg	66.2	20.8	1	08/13/21 09:45	08/16/21 11:17	98-06-6	
Carbon tetrachloride	**<14.6**	ug/kg	66.2	14.6	1	08/13/21 09:45	08/16/21 11:17	56-23-5	
Chlorobenzene	**<7.9**	ug/kg	66.2	7.9	1	08/13/21 09:45	08/16/21 11:17	108-90-7	
Chloroethane	**<27.9**	ug/kg	331	27.9	1	08/13/21 09:45	08/16/21 11:17	75-00-3	
Chloroform	**<47.4**	ug/kg	331	47.4	1	08/13/21 09:45	08/16/21 11:17	67-66-3	
Chloromethane	**<25.1**	ug/kg	66.2	25.1	1	08/13/21 09:45	08/16/21 11:17	74-87-3	
2-Chlorotoluene	**<21.4**	ug/kg	66.2	21.4	1	08/13/21 09:45	08/16/21 11:17	95-49-8	
4-Chlorotoluene	**<25.1**	ug/kg	66.2	25.1	1	08/13/21 09:45	08/16/21 11:17	106-43-4	
1,2-Dibromo-3-chloropropane	**<51.4**	ug/kg	331	51.4	1	08/13/21 09:45	08/16/21 11:17	96-12-8	
Dibromochloromethane	**<226**	ug/kg	331	226	1	08/13/21 09:45	08/16/21 11:17	124-48-1	
1,2-Dibromoethane (EDB)	**<18.1**	ug/kg	66.2	18.1	1	08/13/21 09:45	08/16/21 11:17	106-93-4	
Dibromomethane	**<19.6**	ug/kg	66.2	19.6	1	08/13/21 09:45	08/16/21 11:17	74-95-3	
1,2-Dichlorobenzene	**<20.5**	ug/kg	66.2	20.5	1	08/13/21 09:45	08/16/21 11:17	95-50-1	
1,3-Dichlorobenzene	**<18.1**	ug/kg	66.2	18.1	1	08/13/21 09:45	08/16/21 11:17	541-73-1	
1,4-Dichlorobenzene	**<18.1**	ug/kg	66.2	18.1	1	08/13/21 09:45	08/16/21 11:17	106-46-7	
Dichlorodifluoromethane	**<28.5**	ug/kg	66.2	28.5	1	08/13/21 09:45	08/16/21 11:17	75-71-8	
1,1-Dichloroethane	**<16.9**	ug/kg	66.2	16.9	1	08/13/21 09:45	08/16/21 11:17	75-34-3	
1,2-Dichloroethane	**<15.2**	ug/kg	66.2	15.2	1	08/13/21 09:45	08/16/21 11:17	107-06-2	
1,1-Dichloroethene	**<22.0**	ug/kg	66.2	22.0	1	08/13/21 09:45	08/16/21 11:17	75-35-4	
cis-1,2-Dichloroethene	**<14.2**	ug/kg	66.2	14.2	1	08/13/21 09:45	08/16/21 11:17	156-59-2	
trans-1,2-Dichloroethene	**<14.3**	ug/kg	66.2	14.3	1	08/13/21 09:45	08/16/21 11:17	156-60-5	
1,2-Dichloropropane	**<15.7**	ug/kg	66.2	15.7	1	08/13/21 09:45	08/16/21 11:17	78-87-5	
1,3-Dichloropropane	**<14.4**	ug/kg	66.2	14.4	1	08/13/21 09:45	08/16/21 11:17	142-28-9	
2,2-Dichloropropane	**<17.9**	ug/kg	66.2	17.9	1	08/13/21 09:45	08/16/21 11:17	594-20-7	
1,1-Dichloropropene	**<21.4**	ug/kg	66.2	21.4	1	08/13/21 09:45	08/16/21 11:17	563-58-6	
cis-1,3-Dichloropropene	**<43.7**	ug/kg	331	43.7	1	08/13/21 09:45	08/16/21 11:17	10061-01-5	
trans-1,3-Dichloropropene	**<189**	ug/kg	331	189	1	08/13/21 09:45	08/16/21 11:17	10061-02-6	
Diisopropyl ether	**<16.4**	ug/kg	66.2	16.4	1	08/13/21 09:45	08/16/21 11:17	108-20-3	
Ethylbenzene	**<15.7**	ug/kg	66.2	15.7	1	08/13/21 09:45	08/16/21 11:17	100-41-4	
Hexachloro-1,3-butadiene	**<132**	ug/kg	331	132	1	08/13/21 09:45	08/16/21 11:17	87-68-3	
Isopropylbenzene (Cumene)	**<17.9**	ug/kg	66.2	17.9	1	08/13/21 09:45	08/16/21 11:17	98-82-8	
p-Isopropyltoluene	**<20.1**	ug/kg	66.2	20.1	1	08/13/21 09:45	08/16/21 11:17	99-87-6	
Methylene Chloride	**<18.4**	ug/kg	66.2	18.4	1	08/13/21 09:45	08/16/21 11:17	75-09-2	
Methyl-tert-butyl ether	**<19.5**	ug/kg	66.2	19.5	1	08/13/21 09:45	08/16/21 11:17	1634-04-4	
Naphthalene	**<20.6**	ug/kg	331	20.6	1	08/13/21 09:45	08/16/21 11:17	91-20-3	
n-Propylbenzene	**<15.9**	ug/kg	66.2	15.9	1	08/13/21 09:45	08/16/21 11:17	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-4 (14-15') **Lab ID: 40231479008** Collected: 08/10/21 09:40 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<16.9**	ug/kg	66.2	16.9	1	08/13/21 09:45	08/16/21 11:17	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.9**	ug/kg	66.2	15.9	1	08/13/21 09:45	08/16/21 11:17	630-20-6	
1,1,2,2-Tetrachloroethane	**<24.0**	ug/kg	66.2	24.0	1	08/13/21 09:45	08/16/21 11:17	79-34-5	
Tetrachloroethene	**<25.7**	ug/kg	66.2	25.7	1	08/13/21 09:45	08/16/21 11:17	127-18-4	
Toluene	**<16.7**	ug/kg	66.2	16.7	1	08/13/21 09:45	08/16/21 11:17	108-88-3	
1,2,3-Trichlorobenzene	**<73.7**	ug/kg	331	73.7	1	08/13/21 09:45	08/16/21 11:17	87-61-6	
1,2,4-Trichlorobenzene	**<54.5**	ug/kg	331	54.5	1	08/13/21 09:45	08/16/21 11:17	120-82-1	
1,1,1-Trichloroethane	**<16.9**	ug/kg	66.2	16.9	1	08/13/21 09:45	08/16/21 11:17	71-55-6	
1,1,2-Trichloroethane	**<24.1**	ug/kg	66.2	24.1	1	08/13/21 09:45	08/16/21 11:17	79-00-5	
Trichloroethene	**<24.7**	ug/kg	66.2	24.7	1	08/13/21 09:45	08/16/21 11:17	79-01-6	
Trichlorofluoromethane	**<19.2**	ug/kg	66.2	19.2	1	08/13/21 09:45	08/16/21 11:17	75-69-4	
1,2,3-Trichloropropane	**<32.2**	ug/kg	66.2	32.2	1	08/13/21 09:45	08/16/21 11:17	96-18-4	
1,2,4-Trimethylbenzene	**<19.7**	ug/kg	66.2	19.7	1	08/13/21 09:45	08/16/21 11:17	95-63-6	
1,3,5-Trimethylbenzene	**<21.3**	ug/kg	66.2	21.3	1	08/13/21 09:45	08/16/21 11:17	108-67-8	
Vinyl chloride	**<13.4**	ug/kg	66.2	13.4	1	08/13/21 09:45	08/16/21 11:17	75-01-4	
Xylene (Total)	**<47.8**	ug/kg	199	47.8	1	08/13/21 09:45	08/16/21 11:17	1330-20-7	
m&p-Xylene	**<27.9**	ug/kg	132	27.9	1	08/13/21 09:45	08/16/21 11:17	179601-23-1	
o-Xylene	**<19.9**	ug/kg	66.2	19.9	1	08/13/21 09:45	08/16/21 11:17	95-47-6	
Surrogates									
Toluene-d8 (S)	132	%	67-159		1	08/13/21 09:45	08/16/21 11:17	2037-26-5	
4-Bromofluorobenzene (S)	127	%	66-153		1	08/13/21 09:45	08/16/21 11:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	126	%	82-158		1	08/13/21 09:45	08/16/21 11:17	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**13.9**	%	0.10	0.10	1		08/12/21 13:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-4 (20-21') **Lab ID: 40231479009** Collected: 08/10/21 09:45 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.0**	ug/kg	25.2	15.0	1	08/13/21 09:45	08/16/21 13:33	71-43-2	
Bromobenzene	**<24.6**	ug/kg	63.0	24.6	1	08/13/21 09:45	08/16/21 13:33	108-86-1	
Bromochloromethane	**<17.3**	ug/kg	63.0	17.3	1	08/13/21 09:45	08/16/21 13:33	74-97-5	
Bromodichloromethane	**<15.0**	ug/kg	63.0	15.0	1	08/13/21 09:45	08/16/21 13:33	75-27-4	
Bromoform	**<277**	ug/kg	315	277	1	08/13/21 09:45	08/16/21 13:33	75-25-2	
Bromomethane	**<88.3**	ug/kg	315	88.3	1	08/13/21 09:45	08/16/21 13:33	74-83-9	
n-Butylbenzene	**<28.8**	ug/kg	63.0	28.8	1	08/13/21 09:45	08/16/21 13:33	104-51-8	
sec-Butylbenzene	**<15.4**	ug/kg	63.0	15.4	1	08/13/21 09:45	08/16/21 13:33	135-98-8	
tert-Butylbenzene	**<19.8**	ug/kg	63.0	19.8	1	08/13/21 09:45	08/16/21 13:33	98-06-6	
Carbon tetrachloride	**<13.9**	ug/kg	63.0	13.9	1	08/13/21 09:45	08/16/21 13:33	56-23-5	
Chlorobenzene	**<7.5**	ug/kg	63.0	7.5	1	08/13/21 09:45	08/16/21 13:33	108-90-7	
Chloroethane	**<26.6**	ug/kg	315	26.6	1	08/13/21 09:45	08/16/21 13:33	75-00-3	
Chloroform	**<45.1**	ug/kg	315	45.1	1	08/13/21 09:45	08/16/21 13:33	67-66-3	
Chloromethane	**<23.9**	ug/kg	63.0	23.9	1	08/13/21 09:45	08/16/21 13:33	74-87-3	
2-Chlorotoluene	**<20.4**	ug/kg	63.0	20.4	1	08/13/21 09:45	08/16/21 13:33	95-49-8	
4-Chlorotoluene	**<23.9**	ug/kg	63.0	23.9	1	08/13/21 09:45	08/16/21 13:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<48.9**	ug/kg	315	48.9	1	08/13/21 09:45	08/16/21 13:33	96-12-8	
Dibromochloromethane	**<215**	ug/kg	315	215	1	08/13/21 09:45	08/16/21 13:33	124-48-1	
1,2-Dibromoethane (EDB)	**<17.3**	ug/kg	63.0	17.3	1	08/13/21 09:45	08/16/21 13:33	106-93-4	
Dibromomethane	**<18.6**	ug/kg	63.0	18.6	1	08/13/21 09:45	08/16/21 13:33	74-95-3	
1,2-Dichlorobenzene	**<19.5**	ug/kg	63.0	19.5	1	08/13/21 09:45	08/16/21 13:33	95-50-1	
1,3-Dichlorobenzene	**<17.3**	ug/kg	63.0	17.3	1	08/13/21 09:45	08/16/21 13:33	541-73-1	
1,4-Dichlorobenzene	**<17.3**	ug/kg	63.0	17.3	1	08/13/21 09:45	08/16/21 13:33	106-46-7	
Dichlorodifluoromethane	**<27.1**	ug/kg	63.0	27.1	1	08/13/21 09:45	08/16/21 13:33	75-71-8	
1,1-Dichloroethane	**<16.1**	ug/kg	63.0	16.1	1	08/13/21 09:45	08/16/21 13:33	75-34-3	
1,2-Dichloroethane	**<14.5**	ug/kg	63.0	14.5	1	08/13/21 09:45	08/16/21 13:33	107-06-2	
1,1-Dichloroethene	**<20.9**	ug/kg	63.0	20.9	1	08/13/21 09:45	08/16/21 13:33	75-35-4	
cis-1,2-Dichloroethene	**19.0J**	ug/kg	63.0	13.5	1	08/13/21 09:45	08/16/21 13:33	156-59-2	
trans-1,2-Dichloroethene	**<13.6**	ug/kg	63.0	13.6	1	08/13/21 09:45	08/16/21 13:33	156-60-5	
1,2-Dichloropropane	**<15.0**	ug/kg	63.0	15.0	1	08/13/21 09:45	08/16/21 13:33	78-87-5	
1,3-Dichloropropane	**<13.7**	ug/kg	63.0	13.7	1	08/13/21 09:45	08/16/21 13:33	142-28-9	
2,2-Dichloropropane	**<17.0**	ug/kg	63.0	17.0	1	08/13/21 09:45	08/16/21 13:33	594-20-7	
1,1-Dichloropropene	**<20.4**	ug/kg	63.0	20.4	1	08/13/21 09:45	08/16/21 13:33	563-58-6	
cis-1,3-Dichloropropene	**<41.6**	ug/kg	315	41.6	1	08/13/21 09:45	08/16/21 13:33	10061-01-5	
trans-1,3-Dichloropropene	**<180**	ug/kg	315	180	1	08/13/21 09:45	08/16/21 13:33	10061-02-6	
Diisopropyl ether	**<15.6**	ug/kg	63.0	15.6	1	08/13/21 09:45	08/16/21 13:33	108-20-3	
Ethylbenzene	**<15.0**	ug/kg	63.0	15.0	1	08/13/21 09:45	08/16/21 13:33	100-41-4	
Hexachloro-1,3-butadiene	**<125**	ug/kg	315	125	1	08/13/21 09:45	08/16/21 13:33	87-68-3	
Isopropylbenzene (Cumene)	**<17.0**	ug/kg	63.0	17.0	1	08/13/21 09:45	08/16/21 13:33	98-82-8	
p-Isopropyltoluene	**<19.1**	ug/kg	63.0	19.1	1	08/13/21 09:45	08/16/21 13:33	99-87-6	
Methylene Chloride	**<17.5**	ug/kg	63.0	17.5	1	08/13/21 09:45	08/16/21 13:33	75-09-2	
Methyl-tert-butyl ether	**<18.5**	ug/kg	63.0	18.5	1	08/13/21 09:45	08/16/21 13:33	1634-04-4	
Naphthalene	**<19.6**	ug/kg	315	19.6	1	08/13/21 09:45	08/16/21 13:33	91-20-3	
n-Propylbenzene	**<15.1**	ug/kg	63.0	15.1	1	08/13/21 09:45	08/16/21 13:33	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-4 (20-21') **Lab ID: 40231479009** Collected: 08/10/21 09:45 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<16.1**	ug/kg	63.0	16.1	1	08/13/21 09:45	08/16/21 13:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.1**	ug/kg	63.0	15.1	1	08/13/21 09:45	08/16/21 13:33	630-20-6	
1,1,2,2-Tetrachloroethane	**<22.8**	ug/kg	63.0	22.8	1	08/13/21 09:45	08/16/21 13:33	79-34-5	
Tetrachloroethene	**<24.4**	ug/kg	63.0	24.4	1	08/13/21 09:45	08/16/21 13:33	127-18-4	
Toluene	**<15.9**	ug/kg	63.0	15.9	1	08/13/21 09:45	08/16/21 13:33	108-88-3	
1,2,3-Trichlorobenzene	**<70.2**	ug/kg	315	70.2	1	08/13/21 09:45	08/16/21 13:33	87-61-6	
1,2,4-Trichlorobenzene	**<51.9**	ug/kg	315	51.9	1	08/13/21 09:45	08/16/21 13:33	120-82-1	
1,1,1-Trichloroethane	**<16.1**	ug/kg	63.0	16.1	1	08/13/21 09:45	08/16/21 13:33	71-55-6	
1,1,2-Trichloroethane	**<22.9**	ug/kg	63.0	22.9	1	08/13/21 09:45	08/16/21 13:33	79-00-5	
Trichloroethene	**56.2J**	ug/kg	63.0	23.6	1	08/13/21 09:45	08/16/21 13:33	79-01-6	
Trichlorofluoromethane	**<18.3**	ug/kg	63.0	18.3	1	08/13/21 09:45	08/16/21 13:33	75-69-4	
1,2,3-Trichloropropane	**<30.6**	ug/kg	63.0	30.6	1	08/13/21 09:45	08/16/21 13:33	96-18-4	
1,2,4-Trimethylbenzene	**<18.8**	ug/kg	63.0	18.8	1	08/13/21 09:45	08/16/21 13:33	95-63-6	
1,3,5-Trimethylbenzene	**<20.3**	ug/kg	63.0	20.3	1	08/13/21 09:45	08/16/21 13:33	108-67-8	
Vinyl chloride	**<12.7**	ug/kg	63.0	12.7	1	08/13/21 09:45	08/16/21 13:33	75-01-4	
Xylene (Total)	**<45.5**	ug/kg	189	45.5	1	08/13/21 09:45	08/16/21 13:33	1330-20-7	
m&p-Xylene	**<26.6**	ug/kg	126	26.6	1	08/13/21 09:45	08/16/21 13:33	179601-23-1	
o-Xylene	**<18.9**	ug/kg	63.0	18.9	1	08/13/21 09:45	08/16/21 13:33	95-47-6	
Surrogates									
Toluene-d8 (S)	119	%	67-159		1	08/13/21 09:45	08/16/21 13:33	2037-26-5	
4-Bromofluorobenzene (S)	113	%	66-153		1	08/13/21 09:45	08/16/21 13:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	112	%	82-158		1	08/13/21 09:45	08/16/21 13:33	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**11.5**	%	0.10	0.10	1		08/12/21 13:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-3 (1-2') **Lab ID: 40231479010** Collected: 08/10/21 10:00 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<17.0**	ug/kg	28.5	17.0	1	08/13/21 09:45	08/16/21 13:53	71-43-2	
Bromobenzene	**<27.8**	ug/kg	71.2	27.8	1	08/13/21 09:45	08/16/21 13:53	108-86-1	
Bromochloromethane	**<19.5**	ug/kg	71.2	19.5	1	08/13/21 09:45	08/16/21 13:53	74-97-5	
Bromodichloromethane	**<17.0**	ug/kg	71.2	17.0	1	08/13/21 09:45	08/16/21 13:53	75-27-4	
Bromoform	**<313**	ug/kg	356	313	1	08/13/21 09:45	08/16/21 13:53	75-25-2	
Bromomethane	**<99.9**	ug/kg	356	99.9	1	08/13/21 09:45	08/16/21 13:53	74-83-9	
n-Butylbenzene	**<32.6**	ug/kg	71.2	32.6	1	08/13/21 09:45	08/16/21 13:53	104-51-8	
sec-Butylbenzene	**<17.4**	ug/kg	71.2	17.4	1	08/13/21 09:45	08/16/21 13:53	135-98-8	
tert-Butylbenzene	**<22.4**	ug/kg	71.2	22.4	1	08/13/21 09:45	08/16/21 13:53	98-06-6	
Carbon tetrachloride	**<15.7**	ug/kg	71.2	15.7	1	08/13/21 09:45	08/16/21 13:53	56-23-5	
Chlorobenzene	**<8.5**	ug/kg	71.2	8.5	1	08/13/21 09:45	08/16/21 13:53	108-90-7	
Chloroethane	**<30.1**	ug/kg	356	30.1	1	08/13/21 09:45	08/16/21 13:53	75-00-3	
Chloroform	**<51.0**	ug/kg	356	51.0	1	08/13/21 09:45	08/16/21 13:53	67-66-3	
Chloromethane	**<27.1**	ug/kg	71.2	27.1	1	08/13/21 09:45	08/16/21 13:53	74-87-3	
2-Chlorotoluene	**<23.1**	ug/kg	71.2	23.1	1	08/13/21 09:45	08/16/21 13:53	95-49-8	
4-Chlorotoluene	**<27.1**	ug/kg	71.2	27.1	1	08/13/21 09:45	08/16/21 13:53	106-43-4	
1,2-Dibromo-3-chloropropane	**<55.3**	ug/kg	356	55.3	1	08/13/21 09:45	08/16/21 13:53	96-12-8	
Dibromochloromethane	**<244**	ug/kg	356	244	1	08/13/21 09:45	08/16/21 13:53	124-48-1	
1,2-Dibromoethane (EDB)	**<19.5**	ug/kg	71.2	19.5	1	08/13/21 09:45	08/16/21 13:53	106-93-4	
Dibromomethane	**<21.1**	ug/kg	71.2	21.1	1	08/13/21 09:45	08/16/21 13:53	74-95-3	
1,2-Dichlorobenzene	**<22.1**	ug/kg	71.2	22.1	1	08/13/21 09:45	08/16/21 13:53	95-50-1	
1,3-Dichlorobenzene	**<19.5**	ug/kg	71.2	19.5	1	08/13/21 09:45	08/16/21 13:53	541-73-1	
1,4-Dichlorobenzene	**<19.5**	ug/kg	71.2	19.5	1	08/13/21 09:45	08/16/21 13:53	106-46-7	
Dichlorodifluoromethane	**<30.6**	ug/kg	71.2	30.6	1	08/13/21 09:45	08/16/21 13:53	75-71-8	
1,1-Dichloroethane	**<18.2**	ug/kg	71.2	18.2	1	08/13/21 09:45	08/16/21 13:53	75-34-3	
1,2-Dichloroethane	**<16.4**	ug/kg	71.2	16.4	1	08/13/21 09:45	08/16/21 13:53	107-06-2	
1,1-Dichloroethene	**<23.7**	ug/kg	71.2	23.7	1	08/13/21 09:45	08/16/21 13:53	75-35-4	
cis-1,2-Dichloroethene	**<15.2**	ug/kg	71.2	15.2	1	08/13/21 09:45	08/16/21 13:53	156-59-2	
trans-1,2-Dichloroethene	**<15.4**	ug/kg	71.2	15.4	1	08/13/21 09:45	08/16/21 13:53	156-60-5	
1,2-Dichloropropane	**<17.0**	ug/kg	71.2	17.0	1	08/13/21 09:45	08/16/21 13:53	78-87-5	
1,3-Dichloropropane	**<15.5**	ug/kg	71.2	15.5	1	08/13/21 09:45	08/16/21 13:53	142-28-9	
2,2-Dichloropropane	**<19.2**	ug/kg	71.2	19.2	1	08/13/21 09:45	08/16/21 13:53	594-20-7	
1,1-Dichloropropene	**<23.1**	ug/kg	71.2	23.1	1	08/13/21 09:45	08/16/21 13:53	563-58-6	
cis-1,3-Dichloropropene	**<47.0**	ug/kg	356	47.0	1	08/13/21 09:45	08/16/21 13:53	10061-01-5	
trans-1,3-Dichloropropene	**<204**	ug/kg	356	204	1	08/13/21 09:45	08/16/21 13:53	10061-02-6	
Diisopropyl ether	**<17.7**	ug/kg	71.2	17.7	1	08/13/21 09:45	08/16/21 13:53	108-20-3	
Ethylbenzene	**<17.0**	ug/kg	71.2	17.0	1	08/13/21 09:45	08/16/21 13:53	100-41-4	
Hexachloro-1,3-butadiene	**<142**	ug/kg	356	142	1	08/13/21 09:45	08/16/21 13:53	87-68-3	
Isopropylbenzene (Cumene)	**<19.2**	ug/kg	71.2	19.2	1	08/13/21 09:45	08/16/21 13:53	98-82-8	
p-Isopropyltoluene	**<21.7**	ug/kg	71.2	21.7	1	08/13/21 09:45	08/16/21 13:53	99-87-6	
Methylene Chloride	**<19.8**	ug/kg	71.2	19.8	1	08/13/21 09:45	08/16/21 13:53	75-09-2	
Methyl-tert-butyl ether	**<20.9**	ug/kg	71.2	20.9	1	08/13/21 09:45	08/16/21 13:53	1634-04-4	
Naphthalene	**<22.2**	ug/kg	356	22.2	1	08/13/21 09:45	08/16/21 13:53	91-20-3	
n-Propylbenzene	**<17.1**	ug/kg	71.2	17.1	1	08/13/21 09:45	08/16/21 13:53	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-3 (1-2') **Lab ID: 40231479010** Collected: 08/10/21 10:00 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<18.2**	ug/kg	71.2	18.2	1	08/13/21 09:45	08/16/21 13:53	100-42-5	
1,1,1,2-Tetrachloroethane	**<17.1**	ug/kg	71.2	17.1	1	08/13/21 09:45	08/16/21 13:53	630-20-6	
1,1,2,2-Tetrachloroethane	**<25.8**	ug/kg	71.2	25.8	1	08/13/21 09:45	08/16/21 13:53	79-34-5	
Tetrachloroethene	**<27.6**	ug/kg	71.2	27.6	1	08/13/21 09:45	08/16/21 13:53	127-18-4	
Toluene	**<18.0**	ug/kg	71.2	18.0	1	08/13/21 09:45	08/16/21 13:53	108-88-3	
1,2,3-Trichlorobenzene	**<79.4**	ug/kg	356	79.4	1	08/13/21 09:45	08/16/21 13:53	87-61-6	
1,2,4-Trichlorobenzene	**<58.7**	ug/kg	356	58.7	1	08/13/21 09:45	08/16/21 13:53	120-82-1	
1,1,1-Trichloroethane	**<18.2**	ug/kg	71.2	18.2	1	08/13/21 09:45	08/16/21 13:53	71-55-6	
1,1,2-Trichloroethane	**<25.9**	ug/kg	71.2	25.9	1	08/13/21 09:45	08/16/21 13:53	79-00-5	
Trichloroethene	**<26.6**	ug/kg	71.2	26.6	1	08/13/21 09:45	08/16/21 13:53	79-01-6	
Trichlorofluoromethane	**<20.7**	ug/kg	71.2	20.7	1	08/13/21 09:45	08/16/21 13:53	75-69-4	
1,2,3-Trichloropropane	**<34.6**	ug/kg	71.2	34.6	1	08/13/21 09:45	08/16/21 13:53	96-18-4	
1,2,4-Trimethylbenzene	**<21.2**	ug/kg	71.2	21.2	1	08/13/21 09:45	08/16/21 13:53	95-63-6	
1,3,5-Trimethylbenzene	**<22.9**	ug/kg	71.2	22.9	1	08/13/21 09:45	08/16/21 13:53	108-67-8	
Vinyl chloride	**<14.4**	ug/kg	71.2	14.4	1	08/13/21 09:45	08/16/21 13:53	75-01-4	
Xylene (Total)	**<51.4**	ug/kg	214	51.4	1	08/13/21 09:45	08/16/21 13:53	1330-20-7	
m&p-Xylene	**<30.1**	ug/kg	142	30.1	1	08/13/21 09:45	08/16/21 13:53	179601-23-1	
o-Xylene	**<21.4**	ug/kg	71.2	21.4	1	08/13/21 09:45	08/16/21 13:53	95-47-6	
Surrogates									
Toluene-d8 (S)	124	%	67-159		1	08/13/21 09:45	08/16/21 13:53	2037-26-5	
4-Bromofluorobenzene (S)	124	%	66-153		1	08/13/21 09:45	08/16/21 13:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	132	%	82-158		1	08/13/21 09:45	08/16/21 13:53	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**17.5**	%	0.10	0.10	1		08/12/21 13:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-3 (8-9') **Lab ID: 40231479011** Collected: 08/10/21 10:05 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.6**	ug/kg	26.2	15.6	1	08/13/21 09:45	08/16/21 14:12	71-43-2	
Bromobenzene	**<25.5**	ug/kg	65.4	25.5	1	08/13/21 09:45	08/16/21 14:12	108-86-1	
Bromochloromethane	**<17.9**	ug/kg	65.4	17.9	1	08/13/21 09:45	08/16/21 14:12	74-97-5	
Bromodichloromethane	**<15.6**	ug/kg	65.4	15.6	1	08/13/21 09:45	08/16/21 14:12	75-27-4	
Bromoform	**<288**	ug/kg	327	288	1	08/13/21 09:45	08/16/21 14:12	75-25-2	
Bromomethane	**<91.7**	ug/kg	327	91.7	1	08/13/21 09:45	08/16/21 14:12	74-83-9	
n-Butylbenzene	**<30.0**	ug/kg	65.4	30.0	1	08/13/21 09:45	08/16/21 14:12	104-51-8	
sec-Butylbenzene	**<16.0**	ug/kg	65.4	16.0	1	08/13/21 09:45	08/16/21 14:12	135-98-8	
tert-Butylbenzene	**<20.5**	ug/kg	65.4	20.5	1	08/13/21 09:45	08/16/21 14:12	98-06-6	
Carbon tetrachloride	**<14.4**	ug/kg	65.4	14.4	1	08/13/21 09:45	08/16/21 14:12	56-23-5	
Chlorobenzene	**<7.8**	ug/kg	65.4	7.8	1	08/13/21 09:45	08/16/21 14:12	108-90-7	
Chloroethane	**<27.6**	ug/kg	327	27.6	1	08/13/21 09:45	08/16/21 14:12	75-00-3	
Chloroform	**<46.8**	ug/kg	327	46.8	1	08/13/21 09:45	08/16/21 14:12	67-66-3	
Chloromethane	**<24.9**	ug/kg	65.4	24.9	1	08/13/21 09:45	08/16/21 14:12	74-87-3	
2-Chlorotoluene	**<21.2**	ug/kg	65.4	21.2	1	08/13/21 09:45	08/16/21 14:12	95-49-8	
4-Chlorotoluene	**<24.9**	ug/kg	65.4	24.9	1	08/13/21 09:45	08/16/21 14:12	106-43-4	
1,2-Dibromo-3-chloropropane	**<50.8**	ug/kg	327	50.8	1	08/13/21 09:45	08/16/21 14:12	96-12-8	
Dibromochloromethane	**<224**	ug/kg	327	224	1	08/13/21 09:45	08/16/21 14:12	124-48-1	
1,2-Dibromoethane (EDB)	**<17.9**	ug/kg	65.4	17.9	1	08/13/21 09:45	08/16/21 14:12	106-93-4	
Dibromomethane	**<19.4**	ug/kg	65.4	19.4	1	08/13/21 09:45	08/16/21 14:12	74-95-3	
1,2-Dichlorobenzene	**<20.3**	ug/kg	65.4	20.3	1	08/13/21 09:45	08/16/21 14:12	95-50-1	
1,3-Dichlorobenzene	**<17.9**	ug/kg	65.4	17.9	1	08/13/21 09:45	08/16/21 14:12	541-73-1	
1,4-Dichlorobenzene	**<17.9**	ug/kg	65.4	17.9	1	08/13/21 09:45	08/16/21 14:12	106-46-7	
Dichlorodifluoromethane	**<28.1**	ug/kg	65.4	28.1	1	08/13/21 09:45	08/16/21 14:12	75-71-8	
1,1-Dichloroethane	**<16.7**	ug/kg	65.4	16.7	1	08/13/21 09:45	08/16/21 14:12	75-34-3	
1,2-Dichloroethane	**<15.0**	ug/kg	65.4	15.0	1	08/13/21 09:45	08/16/21 14:12	107-06-2	
1,1-Dichloroethene	**<21.7**	ug/kg	65.4	21.7	1	08/13/21 09:45	08/16/21 14:12	75-35-4	
cis-1,2-Dichloroethene	**<14.0**	ug/kg	65.4	14.0	1	08/13/21 09:45	08/16/21 14:12	156-59-2	
trans-1,2-Dichloroethene	**<14.1**	ug/kg	65.4	14.1	1	08/13/21 09:45	08/16/21 14:12	156-60-5	
1,2-Dichloropropane	**<15.6**	ug/kg	65.4	15.6	1	08/13/21 09:45	08/16/21 14:12	78-87-5	
1,3-Dichloropropane	**<14.3**	ug/kg	65.4	14.3	1	08/13/21 09:45	08/16/21 14:12	142-28-9	
2,2-Dichloropropane	**<17.7**	ug/kg	65.4	17.7	1	08/13/21 09:45	08/16/21 14:12	594-20-7	
1,1-Dichloropropene	**<21.2**	ug/kg	65.4	21.2	1	08/13/21 09:45	08/16/21 14:12	563-58-6	
cis-1,3-Dichloropropene	**<43.2**	ug/kg	327	43.2	1	08/13/21 09:45	08/16/21 14:12	10061-01-5	
trans-1,3-Dichloropropene	**<187**	ug/kg	327	187	1	08/13/21 09:45	08/16/21 14:12	10061-02-6	
Diisopropyl ether	**<16.2**	ug/kg	65.4	16.2	1	08/13/21 09:45	08/16/21 14:12	108-20-3	
Ethylbenzene	**<15.6**	ug/kg	65.4	15.6	1	08/13/21 09:45	08/16/21 14:12	100-41-4	
Hexachloro-1,3-butadiene	**<130**	ug/kg	327	130	1	08/13/21 09:45	08/16/21 14:12	87-68-3	
Isopropylbenzene (Cumene)	**<17.7**	ug/kg	65.4	17.7	1	08/13/21 09:45	08/16/21 14:12	98-82-8	
p-Isopropyltoluene	**<19.9**	ug/kg	65.4	19.9	1	08/13/21 09:45	08/16/21 14:12	99-87-6	
Methylene Chloride	**<18.2**	ug/kg	65.4	18.2	1	08/13/21 09:45	08/16/21 14:12	75-09-2	
Methyl-tert-butyl ether	**<19.2**	ug/kg	65.4	19.2	1	08/13/21 09:45	08/16/21 14:12	1634-04-4	
Naphthalene	**<20.4**	ug/kg	327	20.4	1	08/13/21 09:45	08/16/21 14:12	91-20-3	
n-Propylbenzene	**<15.7**	ug/kg	65.4	15.7	1	08/13/21 09:45	08/16/21 14:12	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-3 (8-9') **Lab ID: 40231479011** Collected: 08/10/21 10:05 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<16.7**	ug/kg	65.4	16.7	1	08/13/21 09:45	08/16/21 14:12	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.7**	ug/kg	65.4	15.7	1	08/13/21 09:45	08/16/21 14:12	630-20-6	
1,1,2,2-Tetrachloroethane	**<23.7**	ug/kg	65.4	23.7	1	08/13/21 09:45	08/16/21 14:12	79-34-5	
Tetrachloroethene	**<25.4**	ug/kg	65.4	25.4	1	08/13/21 09:45	08/16/21 14:12	127-18-4	
Toluene	**<16.5**	ug/kg	65.4	16.5	1	08/13/21 09:45	08/16/21 14:12	108-88-3	
1,2,3-Trichlorobenzene	**<72.9**	ug/kg	327	72.9	1	08/13/21 09:45	08/16/21 14:12	87-61-6	
1,2,4-Trichlorobenzene	**<53.9**	ug/kg	327	53.9	1	08/13/21 09:45	08/16/21 14:12	120-82-1	
1,1,1-Trichloroethane	**<16.7**	ug/kg	65.4	16.7	1	08/13/21 09:45	08/16/21 14:12	71-55-6	
1,1,2-Trichloroethane	**<23.8**	ug/kg	65.4	23.8	1	08/13/21 09:45	08/16/21 14:12	79-00-5	
Trichloroethene	**<24.5**	ug/kg	65.4	24.5	1	08/13/21 09:45	08/16/21 14:12	79-01-6	
Trichlorofluoromethane	**<19.0**	ug/kg	65.4	19.0	1	08/13/21 09:45	08/16/21 14:12	75-69-4	
1,2,3-Trichloropropane	**<31.8**	ug/kg	65.4	31.8	1	08/13/21 09:45	08/16/21 14:12	96-18-4	
1,2,4-Trimethylbenzene	**<19.5**	ug/kg	65.4	19.5	1	08/13/21 09:45	08/16/21 14:12	95-63-6	
1,3,5-Trimethylbenzene	**<21.1**	ug/kg	65.4	21.1	1	08/13/21 09:45	08/16/21 14:12	108-67-8	
Vinyl chloride	**<13.2**	ug/kg	65.4	13.2	1	08/13/21 09:45	08/16/21 14:12	75-01-4	
Xylene (Total)	**<47.2**	ug/kg	196	47.2	1	08/13/21 09:45	08/16/21 14:12	1330-20-7	
m&p-Xylene	**<27.6**	ug/kg	131	27.6	1	08/13/21 09:45	08/16/21 14:12	179601-23-1	
o-Xylene	**<19.6**	ug/kg	65.4	19.6	1	08/13/21 09:45	08/16/21 14:12	95-47-6	
Surrogates									
Toluene-d8 (S)	121	%	67-159		1	08/13/21 09:45	08/16/21 14:12	2037-26-5	
4-Bromofluorobenzene (S)	115	%	66-153		1	08/13/21 09:45	08/16/21 14:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	118	%	82-158		1	08/13/21 09:45	08/16/21 14:12	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**13.4**	%	0.10	0.10	1		08/12/21 13:54		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-3 (14-15') **Lab ID: 40231479012** Collected: 08/10/21 10:10 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.7**	ug/kg	26.4	15.7	1	08/13/21 09:45	08/16/21 14:32	71-43-2	
Bromobenzene	**<25.7**	ug/kg	65.9	25.7	1	08/13/21 09:45	08/16/21 14:32	108-86-1	
Bromochloromethane	**<18.1**	ug/kg	65.9	18.1	1	08/13/21 09:45	08/16/21 14:32	74-97-5	
Bromodichloromethane	**<15.7**	ug/kg	65.9	15.7	1	08/13/21 09:45	08/16/21 14:32	75-27-4	
Bromoform	**<290**	ug/kg	330	290	1	08/13/21 09:45	08/16/21 14:32	75-25-2	
Bromomethane	**<92.4**	ug/kg	330	92.4	1	08/13/21 09:45	08/16/21 14:32	74-83-9	
n-Butylbenzene	**<30.2**	ug/kg	65.9	30.2	1	08/13/21 09:45	08/16/21 14:32	104-51-8	
sec-Butylbenzene	**<16.1**	ug/kg	65.9	16.1	1	08/13/21 09:45	08/16/21 14:32	135-98-8	
tert-Butylbenzene	**<20.7**	ug/kg	65.9	20.7	1	08/13/21 09:45	08/16/21 14:32	98-06-6	
Carbon tetrachloride	**<14.5**	ug/kg	65.9	14.5	1	08/13/21 09:45	08/16/21 14:32	56-23-5	
Chlorobenzene	**<7.9**	ug/kg	65.9	7.9	1	08/13/21 09:45	08/16/21 14:32	108-90-7	
Chloroethane	**<27.8**	ug/kg	330	27.8	1	08/13/21 09:45	08/16/21 14:32	75-00-3	
Chloroform	**<47.2**	ug/kg	330	47.2	1	08/13/21 09:45	08/16/21 14:32	67-66-3	
Chloromethane	**<25.1**	ug/kg	65.9	25.1	1	08/13/21 09:45	08/16/21 14:32	74-87-3	
2-Chlorotoluene	**<21.4**	ug/kg	65.9	21.4	1	08/13/21 09:45	08/16/21 14:32	95-49-8	
4-Chlorotoluene	**<25.1**	ug/kg	65.9	25.1	1	08/13/21 09:45	08/16/21 14:32	106-43-4	
1,2-Dibromo-3-chloropropane	**<51.2**	ug/kg	330	51.2	1	08/13/21 09:45	08/16/21 14:32	96-12-8	
Dibromochloromethane	**<225**	ug/kg	330	225	1	08/13/21 09:45	08/16/21 14:32	124-48-1	
1,2-Dibromoethane (EDB)	**<18.1**	ug/kg	65.9	18.1	1	08/13/21 09:45	08/16/21 14:32	106-93-4	
Dibromomethane	**<19.5**	ug/kg	65.9	19.5	1	08/13/21 09:45	08/16/21 14:32	74-95-3	
1,2-Dichlorobenzene	**<20.4**	ug/kg	65.9	20.4	1	08/13/21 09:45	08/16/21 14:32	95-50-1	
1,3-Dichlorobenzene	**<18.1**	ug/kg	65.9	18.1	1	08/13/21 09:45	08/16/21 14:32	541-73-1	
1,4-Dichlorobenzene	**<18.1**	ug/kg	65.9	18.1	1	08/13/21 09:45	08/16/21 14:32	106-46-7	
Dichlorodifluoromethane	**<28.4**	ug/kg	65.9	28.4	1	08/13/21 09:45	08/16/21 14:32	75-71-8	
1,1-Dichloroethane	**<16.9**	ug/kg	65.9	16.9	1	08/13/21 09:45	08/16/21 14:32	75-34-3	
1,2-Dichloroethane	**<15.2**	ug/kg	65.9	15.2	1	08/13/21 09:45	08/16/21 14:32	107-06-2	
1,1-Dichloroethene	**<21.9**	ug/kg	65.9	21.9	1	08/13/21 09:45	08/16/21 14:32	75-35-4	
cis-1,2-Dichloroethene	**<14.1**	ug/kg	65.9	14.1	1	08/13/21 09:45	08/16/21 14:32	156-59-2	
trans-1,2-Dichloroethene	**<14.2**	ug/kg	65.9	14.2	1	08/13/21 09:45	08/16/21 14:32	156-60-5	
1,2-Dichloropropane	**<15.7**	ug/kg	65.9	15.7	1	08/13/21 09:45	08/16/21 14:32	78-87-5	
1,3-Dichloropropane	**<14.4**	ug/kg	65.9	14.4	1	08/13/21 09:45	08/16/21 14:32	142-28-9	
2,2-Dichloropropane	**<17.8**	ug/kg	65.9	17.8	1	08/13/21 09:45	08/16/21 14:32	594-20-7	
1,1-Dichloropropene	**<21.4**	ug/kg	65.9	21.4	1	08/13/21 09:45	08/16/21 14:32	563-58-6	
cis-1,3-Dichloropropene	**<43.5**	ug/kg	330	43.5	1	08/13/21 09:45	08/16/21 14:32	10061-01-5	
trans-1,3-Dichloropropene	**<189**	ug/kg	330	189	1	08/13/21 09:45	08/16/21 14:32	10061-02-6	
Diisopropyl ether	**<16.4**	ug/kg	65.9	16.4	1	08/13/21 09:45	08/16/21 14:32	108-20-3	
Ethylbenzene	**<15.7**	ug/kg	65.9	15.7	1	08/13/21 09:45	08/16/21 14:32	100-41-4	
Hexachloro-1,3-butadiene	**<131**	ug/kg	330	131	1	08/13/21 09:45	08/16/21 14:32	87-68-3	
Isopropylbenzene (Cumene)	**<17.8**	ug/kg	65.9	17.8	1	08/13/21 09:45	08/16/21 14:32	98-82-8	
p-Isopropyltoluene	**<20.0**	ug/kg	65.9	20.0	1	08/13/21 09:45	08/16/21 14:32	99-87-6	
Methylene Chloride	**<18.3**	ug/kg	65.9	18.3	1	08/13/21 09:45	08/16/21 14:32	75-09-2	
Methyl-tert-butyl ether	**<19.4**	ug/kg	65.9	19.4	1	08/13/21 09:45	08/16/21 14:32	1634-04-4	
Naphthalene	**<20.6**	ug/kg	330	20.6	1	08/13/21 09:45	08/16/21 14:32	91-20-3	
n-Propylbenzene	**<15.8**	ug/kg	65.9	15.8	1	08/13/21 09:45	08/16/21 14:32	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-3 (14-15') **Lab ID: 40231479012** Collected: 08/10/21 10:10 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<16.9**	ug/kg	65.9	16.9	1	08/13/21 09:45	08/16/21 14:32	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.8**	ug/kg	65.9	15.8	1	08/13/21 09:45	08/16/21 14:32	630-20-6	
1,1,2,2-Tetrachloroethane	**<23.9**	ug/kg	65.9	23.9	1	08/13/21 09:45	08/16/21 14:32	79-34-5	
Tetrachloroethene	**<25.6**	ug/kg	65.9	25.6	1	08/13/21 09:45	08/16/21 14:32	127-18-4	
Toluene	**<16.6**	ug/kg	65.9	16.6	1	08/13/21 09:45	08/16/21 14:32	108-88-3	
1,2,3-Trichlorobenzene	**<73.5**	ug/kg	330	73.5	1	08/13/21 09:45	08/16/21 14:32	87-61-6	
1,2,4-Trichlorobenzene	**<54.3**	ug/kg	330	54.3	1	08/13/21 09:45	08/16/21 14:32	120-82-1	
1,1,1-Trichloroethane	**<16.9**	ug/kg	65.9	16.9	1	08/13/21 09:45	08/16/21 14:32	71-55-6	
1,1,2-Trichloroethane	**<24.0**	ug/kg	65.9	24.0	1	08/13/21 09:45	08/16/21 14:32	79-00-5	
Trichloroethene	**<24.7**	ug/kg	65.9	24.7	1	08/13/21 09:45	08/16/21 14:32	79-01-6	
Trichlorofluoromethane	**<19.1**	ug/kg	65.9	19.1	1	08/13/21 09:45	08/16/21 14:32	75-69-4	
1,2,3-Trichloropropane	**<32.0**	ug/kg	65.9	32.0	1	08/13/21 09:45	08/16/21 14:32	96-18-4	
1,2,4-Trimethylbenzene	**<19.6**	ug/kg	65.9	19.6	1	08/13/21 09:45	08/16/21 14:32	95-63-6	
1,3,5-Trimethylbenzene	**<21.2**	ug/kg	65.9	21.2	1	08/13/21 09:45	08/16/21 14:32	108-67-8	
Vinyl chloride	**<13.3**	ug/kg	65.9	13.3	1	08/13/21 09:45	08/16/21 14:32	75-01-4	
Xylene (Total)	**<47.6**	ug/kg	198	47.6	1	08/13/21 09:45	08/16/21 14:32	1330-20-7	
m&p-Xylene	**<27.8**	ug/kg	132	27.8	1	08/13/21 09:45	08/16/21 14:32	179601-23-1	
o-Xylene	**<19.8**	ug/kg	65.9	19.8	1	08/13/21 09:45	08/16/21 14:32	95-47-6	
Surrogates									
Toluene-d8 (S)	113	%	67-159		1	08/13/21 09:45	08/16/21 14:32	2037-26-5	
4-Bromofluorobenzene (S)	108	%	66-153		1	08/13/21 09:45	08/16/21 14:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	82-158		1	08/13/21 09:45	08/16/21 14:32	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**13.7**	%	0.10	0.10	1		08/12/21 13:54		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-3 (20-21') **Lab ID: 40231479013** Collected: 08/10/21 10:15 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<14.6**	ug/kg	24.6	14.6	1	08/13/21 09:45	08/16/21 14:51	71-43-2	
Bromobenzene	**<24.0**	ug/kg	61.5	24.0	1	08/13/21 09:45	08/16/21 14:51	108-86-1	
Bromochloromethane	**<16.8**	ug/kg	61.5	16.8	1	08/13/21 09:45	08/16/21 14:51	74-97-5	
Bromodichloromethane	**<14.6**	ug/kg	61.5	14.6	1	08/13/21 09:45	08/16/21 14:51	75-27-4	
Bromoform	**<271**	ug/kg	307	271	1	08/13/21 09:45	08/16/21 14:51	75-25-2	
Bromomethane	**<86.2**	ug/kg	307	86.2	1	08/13/21 09:45	08/16/21 14:51	74-83-9	
n-Butylbenzene	**<28.2**	ug/kg	61.5	28.2	1	08/13/21 09:45	08/16/21 14:51	104-51-8	
sec-Butylbenzene	**<15.0**	ug/kg	61.5	15.0	1	08/13/21 09:45	08/16/21 14:51	135-98-8	
tert-Butylbenzene	**<19.3**	ug/kg	61.5	19.3	1	08/13/21 09:45	08/16/21 14:51	98-06-6	
Carbon tetrachloride	**<13.5**	ug/kg	61.5	13.5	1	08/13/21 09:45	08/16/21 14:51	56-23-5	
Chlorobenzene	**<7.4**	ug/kg	61.5	7.4	1	08/13/21 09:45	08/16/21 14:51	108-90-7	
Chloroethane	**<25.9**	ug/kg	307	25.9	1	08/13/21 09:45	08/16/21 14:51	75-00-3	
Chloroform	**<44.0**	ug/kg	307	44.0	1	08/13/21 09:45	08/16/21 14:51	67-66-3	
Chloromethane	**<23.4**	ug/kg	61.5	23.4	1	08/13/21 09:45	08/16/21 14:51	74-87-3	
2-Chlorotoluene	**<19.9**	ug/kg	61.5	19.9	1	08/13/21 09:45	08/16/21 14:51	95-49-8	
4-Chlorotoluene	**<23.4**	ug/kg	61.5	23.4	1	08/13/21 09:45	08/16/21 14:51	106-43-4	
1,2-Dibromo-3-chloropropane	**<47.7**	ug/kg	307	47.7	1	08/13/21 09:45	08/16/21 14:51	96-12-8	
Dibromochloromethane	**<210**	ug/kg	307	210	1	08/13/21 09:45	08/16/21 14:51	124-48-1	
1,2-Dibromoethane (EDB)	**<16.8**	ug/kg	61.5	16.8	1	08/13/21 09:45	08/16/21 14:51	106-93-4	
Dibromomethane	**<18.2**	ug/kg	61.5	18.2	1	08/13/21 09:45	08/16/21 14:51	74-95-3	
1,2-Dichlorobenzene	**<19.1**	ug/kg	61.5	19.1	1	08/13/21 09:45	08/16/21 14:51	95-50-1	
1,3-Dichlorobenzene	**<16.8**	ug/kg	61.5	16.8	1	08/13/21 09:45	08/16/21 14:51	541-73-1	
1,4-Dichlorobenzene	**<16.8**	ug/kg	61.5	16.8	1	08/13/21 09:45	08/16/21 14:51	106-46-7	
Dichlorodifluoromethane	**<26.4**	ug/kg	61.5	26.4	1	08/13/21 09:45	08/16/21 14:51	75-71-8	
1,1-Dichloroethane	**<15.7**	ug/kg	61.5	15.7	1	08/13/21 09:45	08/16/21 14:51	75-34-3	
1,2-Dichloroethane	**<14.1**	ug/kg	61.5	14.1	1	08/13/21 09:45	08/16/21 14:51	107-06-2	
1,1-Dichloroethene	**<20.4**	ug/kg	61.5	20.4	1	08/13/21 09:45	08/16/21 14:51	75-35-4	
cis-1,2-Dichloroethene	**<13.2**	ug/kg	61.5	13.2	1	08/13/21 09:45	08/16/21 14:51	156-59-2	
trans-1,2-Dichloroethene	**<13.3**	ug/kg	61.5	13.3	1	08/13/21 09:45	08/16/21 14:51	156-60-5	
1,2-Dichloropropane	**<14.6**	ug/kg	61.5	14.6	1	08/13/21 09:45	08/16/21 14:51	78-87-5	
1,3-Dichloropropane	**<13.4**	ug/kg	61.5	13.4	1	08/13/21 09:45	08/16/21 14:51	142-28-9	
2,2-Dichloropropane	**<16.6**	ug/kg	61.5	16.6	1	08/13/21 09:45	08/16/21 14:51	594-20-7	
1,1-Dichloropropene	**<19.9**	ug/kg	61.5	19.9	1	08/13/21 09:45	08/16/21 14:51	563-58-6	
cis-1,3-Dichloropropene	**<40.6**	ug/kg	307	40.6	1	08/13/21 09:45	08/16/21 14:51	10061-01-5	
trans-1,3-Dichloropropene	**<176**	ug/kg	307	176	1	08/13/21 09:45	08/16/21 14:51	10061-02-6	
Diisopropyl ether	**<15.2**	ug/kg	61.5	15.2	1	08/13/21 09:45	08/16/21 14:51	108-20-3	
Ethylbenzene	**<14.6**	ug/kg	61.5	14.6	1	08/13/21 09:45	08/16/21 14:51	100-41-4	
Hexachloro-1,3-butadiene	**<122**	ug/kg	307	122	1	08/13/21 09:45	08/16/21 14:51	87-68-3	
Isopropylbenzene (Cumene)	**<16.6**	ug/kg	61.5	16.6	1	08/13/21 09:45	08/16/21 14:51	98-82-8	
p-Isopropyltoluene	**<18.7**	ug/kg	61.5	18.7	1	08/13/21 09:45	08/16/21 14:51	99-87-6	
Methylene Chloride	**<17.1**	ug/kg	61.5	17.1	1	08/13/21 09:45	08/16/21 14:51	75-09-2	
Methyl-tert-butyl ether	**<18.1**	ug/kg	61.5	18.1	1	08/13/21 09:45	08/16/21 14:51	1634-04-4	
Naphthalene	**<19.2**	ug/kg	307	19.2	1	08/13/21 09:45	08/16/21 14:51	91-20-3	
n-Propylbenzene	**<14.8**	ug/kg	61.5	14.8	1	08/13/21 09:45	08/16/21 14:51	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-3 (20-21') **Lab ID: 40231479013** Collected: 08/10/21 10:15 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<15.7**	ug/kg	61.5	15.7	1	08/13/21 09:45	08/16/21 14:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<14.8**	ug/kg	61.5	14.8	1	08/13/21 09:45	08/16/21 14:51	630-20-6	
1,1,2,2-Tetrachloroethane	**<22.3**	ug/kg	61.5	22.3	1	08/13/21 09:45	08/16/21 14:51	79-34-5	
Tetrachloroethene	**<23.9**	ug/kg	61.5	23.9	1	08/13/21 09:45	08/16/21 14:51	127-18-4	
Toluene	**<15.5**	ug/kg	61.5	15.5	1	08/13/21 09:45	08/16/21 14:51	108-88-3	
1,2,3-Trichlorobenzene	**<68.5**	ug/kg	307	68.5	1	08/13/21 09:45	08/16/21 14:51	87-61-6	
1,2,4-Trichlorobenzene	**<50.7**	ug/kg	307	50.7	1	08/13/21 09:45	08/16/21 14:51	120-82-1	
1,1,1-Trichloroethane	**<15.7**	ug/kg	61.5	15.7	1	08/13/21 09:45	08/16/21 14:51	71-55-6	
1,1,2-Trichloroethane	**<22.4**	ug/kg	61.5	22.4	1	08/13/21 09:45	08/16/21 14:51	79-00-5	
Trichloroethene	**<23.0**	ug/kg	61.5	23.0	1	08/13/21 09:45	08/16/21 14:51	79-01-6	
Trichlorofluoromethane	**<17.8**	ug/kg	61.5	17.8	1	08/13/21 09:45	08/16/21 14:51	75-69-4	
1,2,3-Trichloropropane	**<29.9**	ug/kg	61.5	29.9	1	08/13/21 09:45	08/16/21 14:51	96-18-4	
1,2,4-Trimethylbenzene	**<18.3**	ug/kg	61.5	18.3	1	08/13/21 09:45	08/16/21 14:51	95-63-6	
1,3,5-Trimethylbenzene	**<19.8**	ug/kg	61.5	19.8	1	08/13/21 09:45	08/16/21 14:51	108-67-8	
Vinyl chloride	**<12.4**	ug/kg	61.5	12.4	1	08/13/21 09:45	08/16/21 14:51	75-01-4	
Xylene (Total)	**<44.4**	ug/kg	184	44.4	1	08/13/21 09:45	08/16/21 14:51	1330-20-7	
m&p-Xylene	**<25.9**	ug/kg	123	25.9	1	08/13/21 09:45	08/16/21 14:51	179601-23-1	
o-Xylene	**<18.4**	ug/kg	61.5	18.4	1	08/13/21 09:45	08/16/21 14:51	95-47-6	
Surrogates									
Toluene-d8 (S)	116	%	67-159		1	08/13/21 09:45	08/16/21 14:51	2037-26-5	
4-Bromofluorobenzene (S)	111	%	66-153		1	08/13/21 09:45	08/16/21 14:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	82-158		1	08/13/21 09:45	08/16/21 14:51	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**10.3**	%	0.10	0.10	1		08/12/21 13:54		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-2 (1-2') **Lab ID: 40231479014** Collected: 08/10/21 10:30 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.9**	ug/kg	26.7	15.9	1	08/13/21 09:45	08/16/21 15:11	71-43-2	
Bromobenzene	**<26.1**	ug/kg	66.9	26.1	1	08/13/21 09:45	08/16/21 15:11	108-86-1	
Bromochloromethane	**<18.3**	ug/kg	66.9	18.3	1	08/13/21 09:45	08/16/21 15:11	74-97-5	
Bromodichloromethane	**<15.9**	ug/kg	66.9	15.9	1	08/13/21 09:45	08/16/21 15:11	75-27-4	
Bromoform	**<294**	ug/kg	334	294	1	08/13/21 09:45	08/16/21 15:11	75-25-2	
Bromomethane	**<93.7**	ug/kg	334	93.7	1	08/13/21 09:45	08/16/21 15:11	74-83-9	
n-Butylbenzene	**<30.6**	ug/kg	66.9	30.6	1	08/13/21 09:45	08/16/21 15:11	104-51-8	
sec-Butylbenzene	**<16.3**	ug/kg	66.9	16.3	1	08/13/21 09:45	08/16/21 15:11	135-98-8	
tert-Butylbenzene	**<21.0**	ug/kg	66.9	21.0	1	08/13/21 09:45	08/16/21 15:11	98-06-6	
Carbon tetrachloride	**<14.7**	ug/kg	66.9	14.7	1	08/13/21 09:45	08/16/21 15:11	56-23-5	
Chlorobenzene	**<8.0**	ug/kg	66.9	8.0	1	08/13/21 09:45	08/16/21 15:11	108-90-7	
Chloroethane	**<28.2**	ug/kg	334	28.2	1	08/13/21 09:45	08/16/21 15:11	75-00-3	
Chloroform	**<47.9**	ug/kg	334	47.9	1	08/13/21 09:45	08/16/21 15:11	67-66-3	
Chloromethane	**<25.4**	ug/kg	66.9	25.4	1	08/13/21 09:45	08/16/21 15:11	74-87-3	
2-Chlorotoluene	**<21.7**	ug/kg	66.9	21.7	1	08/13/21 09:45	08/16/21 15:11	95-49-8	
4-Chlorotoluene	**<25.4**	ug/kg	66.9	25.4	1	08/13/21 09:45	08/16/21 15:11	106-43-4	
1,2-Dibromo-3-chloropropane	**<51.9**	ug/kg	334	51.9	1	08/13/21 09:45	08/16/21 15:11	96-12-8	
Dibromochloromethane	**<229**	ug/kg	334	229	1	08/13/21 09:45	08/16/21 15:11	124-48-1	
1,2-Dibromoethane (EDB)	**<18.3**	ug/kg	66.9	18.3	1	08/13/21 09:45	08/16/21 15:11	106-93-4	
Dibromomethane	**<19.8**	ug/kg	66.9	19.8	1	08/13/21 09:45	08/16/21 15:11	74-95-3	
1,2-Dichlorobenzene	**<20.7**	ug/kg	66.9	20.7	1	08/13/21 09:45	08/16/21 15:11	95-50-1	
1,3-Dichlorobenzene	**<18.3**	ug/kg	66.9	18.3	1	08/13/21 09:45	08/16/21 15:11	541-73-1	
1,4-Dichlorobenzene	**<18.3**	ug/kg	66.9	18.3	1	08/13/21 09:45	08/16/21 15:11	106-46-7	
Dichlorodifluoromethane	**<28.7**	ug/kg	66.9	28.7	1	08/13/21 09:45	08/16/21 15:11	75-71-8	
1,1-Dichloroethane	**<17.1**	ug/kg	66.9	17.1	1	08/13/21 09:45	08/16/21 15:11	75-34-3	
1,2-Dichloroethane	**<15.4**	ug/kg	66.9	15.4	1	08/13/21 09:45	08/16/21 15:11	107-06-2	
1,1-Dichloroethene	**<22.2**	ug/kg	66.9	22.2	1	08/13/21 09:45	08/16/21 15:11	75-35-4	
cis-1,2-Dichloroethene	**<14.3**	ug/kg	66.9	14.3	1	08/13/21 09:45	08/16/21 15:11	156-59-2	
trans-1,2-Dichloroethene	**<14.4**	ug/kg	66.9	14.4	1	08/13/21 09:45	08/16/21 15:11	156-60-5	
1,2-Dichloropropane	**<15.9**	ug/kg	66.9	15.9	1	08/13/21 09:45	08/16/21 15:11	78-87-5	
1,3-Dichloropropane	**<14.6**	ug/kg	66.9	14.6	1	08/13/21 09:45	08/16/21 15:11	142-28-9	
2,2-Dichloropropane	**<18.1**	ug/kg	66.9	18.1	1	08/13/21 09:45	08/16/21 15:11	594-20-7	
1,1-Dichloropropene	**<21.7**	ug/kg	66.9	21.7	1	08/13/21 09:45	08/16/21 15:11	563-58-6	
cis-1,3-Dichloropropene	**<44.1**	ug/kg	334	44.1	1	08/13/21 09:45	08/16/21 15:11	10061-01-5	
trans-1,3-Dichloropropene	**<191**	ug/kg	334	191	1	08/13/21 09:45	08/16/21 15:11	10061-02-6	
Diisopropyl ether	**<16.6**	ug/kg	66.9	16.6	1	08/13/21 09:45	08/16/21 15:11	108-20-3	
Ethylbenzene	**<15.9**	ug/kg	66.9	15.9	1	08/13/21 09:45	08/16/21 15:11	100-41-4	
Hexachloro-1,3-butadiene	**<133**	ug/kg	334	133	1	08/13/21 09:45	08/16/21 15:11	87-68-3	
Isopropylbenzene (Cumene)	**<18.1**	ug/kg	66.9	18.1	1	08/13/21 09:45	08/16/21 15:11	98-82-8	
p-Isopropyltoluene	**<20.3**	ug/kg	66.9	20.3	1	08/13/21 09:45	08/16/21 15:11	99-87-6	
Methylene Chloride	**<18.6**	ug/kg	66.9	18.6	1	08/13/21 09:45	08/16/21 15:11	75-09-2	
Methyl-tert-butyl ether	**<19.7**	ug/kg	66.9	19.7	1	08/13/21 09:45	08/16/21 15:11	1634-04-4	
Naphthalene	**<20.9**	ug/kg	334	20.9	1	08/13/21 09:45	08/16/21 15:11	91-20-3	
n-Propylbenzene	**<16.0**	ug/kg	66.9	16.0	1	08/13/21 09:45	08/16/21 15:11	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-2 (1-2') **Lab ID: 40231479014** Collected: 08/10/21 10:30 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<17.1**	ug/kg	66.9	17.1	1	08/13/21 09:45	08/16/21 15:11	100-42-5	
1,1,1,2-Tetrachloroethane	**<16.0**	ug/kg	66.9	16.0	1	08/13/21 09:45	08/16/21 15:11	630-20-6	
1,1,2,2-Tetrachloroethane	**<24.2**	ug/kg	66.9	24.2	1	08/13/21 09:45	08/16/21 15:11	79-34-5	
Tetrachloroethene	**<25.9**	ug/kg	66.9	25.9	1	08/13/21 09:45	08/16/21 15:11	127-18-4	
Toluene	**<16.8**	ug/kg	66.9	16.8	1	08/13/21 09:45	08/16/21 15:11	108-88-3	
1,2,3-Trichlorobenzene	**<74.5**	ug/kg	334	74.5	1	08/13/21 09:45	08/16/21 15:11	87-61-6	
1,2,4-Trichlorobenzene	**<55.1**	ug/kg	334	55.1	1	08/13/21 09:45	08/16/21 15:11	120-82-1	
1,1,1-Trichloroethane	**<17.1**	ug/kg	66.9	17.1	1	08/13/21 09:45	08/16/21 15:11	71-55-6	
1,1,2-Trichloroethane	**<24.3**	ug/kg	66.9	24.3	1	08/13/21 09:45	08/16/21 15:11	79-00-5	
Trichloroethene	**56.4J**	ug/kg	66.9	25.0	1	08/13/21 09:45	08/16/21 15:11	79-01-6	
Trichlorofluoromethane	**<19.4**	ug/kg	66.9	19.4	1	08/13/21 09:45	08/16/21 15:11	75-69-4	
1,2,3-Trichloropropane	**<32.5**	ug/kg	66.9	32.5	1	08/13/21 09:45	08/16/21 15:11	96-18-4	
1,2,4-Trimethylbenzene	**<19.9**	ug/kg	66.9	19.9	1	08/13/21 09:45	08/16/21 15:11	95-63-6	
1,3,5-Trimethylbenzene	**<21.5**	ug/kg	66.9	21.5	1	08/13/21 09:45	08/16/21 15:11	108-67-8	
Vinyl chloride	**<13.5**	ug/kg	66.9	13.5	1	08/13/21 09:45	08/16/21 15:11	75-01-4	
Xylene (Total)	**<48.3**	ug/kg	201	48.3	1	08/13/21 09:45	08/16/21 15:11	1330-20-7	
m&p-Xylene	**<28.2**	ug/kg	134	28.2	1	08/13/21 09:45	08/16/21 15:11	179601-23-1	
o-Xylene	**<20.1**	ug/kg	66.9	20.1	1	08/13/21 09:45	08/16/21 15:11	95-47-6	
Surrogates									
Toluene-d8 (S)	142	%	67-159		1	08/13/21 09:45	08/16/21 15:11	2037-26-5	
4-Bromofluorobenzene (S)	143	%	66-153		1	08/13/21 09:45	08/16/21 15:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	143	%	82-158		1	08/13/21 09:45	08/16/21 15:11	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.4**	%	0.10	0.10	1		08/12/21 13:54		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-2 (9-10') **Lab ID: 40231479015** Collected: 08/10/21 10:35 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<15.9**	ug/kg	26.7	15.9	1	08/13/21 09:45	08/16/21 15:30	71-43-2	
Bromobenzene	**<26.1**	ug/kg	66.8	26.1	1	08/13/21 09:45	08/16/21 15:30	108-86-1	
Bromochloromethane	**<18.3**	ug/kg	66.8	18.3	1	08/13/21 09:45	08/16/21 15:30	74-97-5	
Bromodichloromethane	**<15.9**	ug/kg	66.8	15.9	1	08/13/21 09:45	08/16/21 15:30	75-27-4	
Bromoform	**<294**	ug/kg	334	294	1	08/13/21 09:45	08/16/21 15:30	75-25-2	
Bromomethane	**<93.6**	ug/kg	334	93.6	1	08/13/21 09:45	08/16/21 15:30	74-83-9	
n-Butylbenzene	**<30.6**	ug/kg	66.8	30.6	1	08/13/21 09:45	08/16/21 15:30	104-51-8	
sec-Butylbenzene	**<16.3**	ug/kg	66.8	16.3	1	08/13/21 09:45	08/16/21 15:30	135-98-8	
tert-Butylbenzene	**<21.0**	ug/kg	66.8	21.0	1	08/13/21 09:45	08/16/21 15:30	98-06-6	
Carbon tetrachloride	**<14.7**	ug/kg	66.8	14.7	1	08/13/21 09:45	08/16/21 15:30	56-23-5	
Chlorobenzene	**<8.0**	ug/kg	66.8	8.0	1	08/13/21 09:45	08/16/21 15:30	108-90-7	
Chloroethane	**<28.2**	ug/kg	334	28.2	1	08/13/21 09:45	08/16/21 15:30	75-00-3	
Chloroform	**<47.8**	ug/kg	334	47.8	1	08/13/21 09:45	08/16/21 15:30	67-66-3	
Chloromethane	**<25.4**	ug/kg	66.8	25.4	1	08/13/21 09:45	08/16/21 15:30	74-87-3	
2-Chlorotoluene	**<21.6**	ug/kg	66.8	21.6	1	08/13/21 09:45	08/16/21 15:30	95-49-8	
4-Chlorotoluene	**<25.4**	ug/kg	66.8	25.4	1	08/13/21 09:45	08/16/21 15:30	106-43-4	
1,2-Dibromo-3-chloropropane	**<51.8**	ug/kg	334	51.8	1	08/13/21 09:45	08/16/21 15:30	96-12-8	
Dibromochloromethane	**<228**	ug/kg	334	228	1	08/13/21 09:45	08/16/21 15:30	124-48-1	
1,2-Dibromoethane (EDB)	**<18.3**	ug/kg	66.8	18.3	1	08/13/21 09:45	08/16/21 15:30	106-93-4	
Dibromomethane	**<19.8**	ug/kg	66.8	19.8	1	08/13/21 09:45	08/16/21 15:30	74-95-3	
1,2-Dichlorobenzene	**<20.7**	ug/kg	66.8	20.7	1	08/13/21 09:45	08/16/21 15:30	95-50-1	
1,3-Dichlorobenzene	**<18.3**	ug/kg	66.8	18.3	1	08/13/21 09:45	08/16/21 15:30	541-73-1	
1,4-Dichlorobenzene	**<18.3**	ug/kg	66.8	18.3	1	08/13/21 09:45	08/16/21 15:30	106-46-7	
Dichlorodifluoromethane	**<28.7**	ug/kg	66.8	28.7	1	08/13/21 09:45	08/16/21 15:30	75-71-8	
1,1-Dichloroethane	**<17.1**	ug/kg	66.8	17.1	1	08/13/21 09:45	08/16/21 15:30	75-34-3	
1,2-Dichloroethane	**<15.4**	ug/kg	66.8	15.4	1	08/13/21 09:45	08/16/21 15:30	107-06-2	
1,1-Dichloroethene	**<22.2**	ug/kg	66.8	22.2	1	08/13/21 09:45	08/16/21 15:30	75-35-4	
cis-1,2-Dichloroethene	**<14.3**	ug/kg	66.8	14.3	1	08/13/21 09:45	08/16/21 15:30	156-59-2	
trans-1,2-Dichloroethene	**<14.4**	ug/kg	66.8	14.4	1	08/13/21 09:45	08/16/21 15:30	156-60-5	
1,2-Dichloropropane	**<15.9**	ug/kg	66.8	15.9	1	08/13/21 09:45	08/16/21 15:30	78-87-5	
1,3-Dichloropropane	**<14.6**	ug/kg	66.8	14.6	1	08/13/21 09:45	08/16/21 15:30	142-28-9	
2,2-Dichloropropane	**<18.0**	ug/kg	66.8	18.0	1	08/13/21 09:45	08/16/21 15:30	594-20-7	
1,1-Dichloropropene	**<21.6**	ug/kg	66.8	21.6	1	08/13/21 09:45	08/16/21 15:30	563-58-6	
cis-1,3-Dichloropropene	**<44.1**	ug/kg	334	44.1	1	08/13/21 09:45	08/16/21 15:30	10061-01-5	
trans-1,3-Dichloropropene	**<191**	ug/kg	334	191	1	08/13/21 09:45	08/16/21 15:30	10061-02-6	
Diisopropyl ether	**<16.6**	ug/kg	66.8	16.6	1	08/13/21 09:45	08/16/21 15:30	108-20-3	
Ethylbenzene	**<15.9**	ug/kg	66.8	15.9	1	08/13/21 09:45	08/16/21 15:30	100-41-4	
Hexachloro-1,3-butadiene	**<133**	ug/kg	334	133	1	08/13/21 09:45	08/16/21 15:30	87-68-3	
Isopropylbenzene (Cumene)	**<18.0**	ug/kg	66.8	18.0	1	08/13/21 09:45	08/16/21 15:30	98-82-8	
p-Isopropyltoluene	**<20.3**	ug/kg	66.8	20.3	1	08/13/21 09:45	08/16/21 15:30	99-87-6	
Methylene Chloride	**<18.6**	ug/kg	66.8	18.6	1	08/13/21 09:45	08/16/21 15:30	75-09-2	
Methyl-tert-butyl ether	**<19.6**	ug/kg	66.8	19.6	1	08/13/21 09:45	08/16/21 15:30	1634-04-4	
Naphthalene	**<20.8**	ug/kg	334	20.8	1	08/13/21 09:45	08/16/21 15:30	91-20-3	
n-Propylbenzene	**<16.0**	ug/kg	66.8	16.0	1	08/13/21 09:45	08/16/21 15:30	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-2 (9-10') **Lab ID: 40231479015** Collected: 08/10/21 10:35 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<17.1**	ug/kg	66.8	17.1	1	08/13/21 09:45	08/16/21 15:30	100-42-5	
1,1,1,2-Tetrachloroethane	**<16.0**	ug/kg	66.8	16.0	1	08/13/21 09:45	08/16/21 15:30	630-20-6	
1,1,2,2-Tetrachloroethane	**<24.2**	ug/kg	66.8	24.2	1	08/13/21 09:45	08/16/21 15:30	79-34-5	
Tetrachloroethene	**<25.9**	ug/kg	66.8	25.9	1	08/13/21 09:45	08/16/21 15:30	127-18-4	
Toluene	**<16.8**	ug/kg	66.8	16.8	1	08/13/21 09:45	08/16/21 15:30	108-88-3	
1,2,3-Trichlorobenzene	**<74.4**	ug/kg	334	74.4	1	08/13/21 09:45	08/16/21 15:30	87-61-6	
1,2,4-Trichlorobenzene	**<55.0**	ug/kg	334	55.0	1	08/13/21 09:45	08/16/21 15:30	120-82-1	
1,1,1-Trichloroethane	**<17.1**	ug/kg	66.8	17.1	1	08/13/21 09:45	08/16/21 15:30	71-55-6	
1,1,2-Trichloroethane	**<24.3**	ug/kg	66.8	24.3	1	08/13/21 09:45	08/16/21 15:30	79-00-5	
Trichloroethene	**<25.0**	ug/kg	66.8	25.0	1	08/13/21 09:45	08/16/21 15:30	79-01-6	
Trichlorofluoromethane	**<19.4**	ug/kg	66.8	19.4	1	08/13/21 09:45	08/16/21 15:30	75-69-4	
1,2,3-Trichloropropane	**<32.5**	ug/kg	66.8	32.5	1	08/13/21 09:45	08/16/21 15:30	96-18-4	
1,2,4-Trimethylbenzene	**<19.9**	ug/kg	66.8	19.9	1	08/13/21 09:45	08/16/21 15:30	95-63-6	
1,3,5-Trimethylbenzene	**<21.5**	ug/kg	66.8	21.5	1	08/13/21 09:45	08/16/21 15:30	108-67-8	
Vinyl chloride	**<13.5**	ug/kg	66.8	13.5	1	08/13/21 09:45	08/16/21 15:30	75-01-4	
Xylene (Total)	**<48.2**	ug/kg	200	48.2	1	08/13/21 09:45	08/16/21 15:30	1330-20-7	
m&p-Xylene	**<28.2**	ug/kg	134	28.2	1	08/13/21 09:45	08/16/21 15:30	179601-23-1	
o-Xylene	**<20.0**	ug/kg	66.8	20.0	1	08/13/21 09:45	08/16/21 15:30	95-47-6	
Surrogates									
Toluene-d8 (S)	133	%	67-159		1	08/13/21 09:45	08/16/21 15:30	2037-26-5	
4-Bromofluorobenzene (S)	130	%	66-153		1	08/13/21 09:45	08/16/21 15:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	129	%	82-158		1	08/13/21 09:45	08/16/21 15:30	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.4**	%	0.10	0.10	1		08/12/21 14:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-2 (14-15') **Lab ID: 40231479016** Collected: 08/10/21 10:40 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<16.1**	ug/kg	27.0	16.1	1	08/13/21 09:45	08/16/21 17:35	71-43-2	
Bromobenzene	**<26.3**	ug/kg	67.6	26.3	1	08/13/21 09:45	08/16/21 17:35	108-86-1	
Bromochloromethane	**<18.5**	ug/kg	67.6	18.5	1	08/13/21 09:45	08/16/21 17:35	74-97-5	
Bromodichloromethane	**<16.1**	ug/kg	67.6	16.1	1	08/13/21 09:45	08/16/21 17:35	75-27-4	
Bromoform	**<297**	ug/kg	338	297	1	08/13/21 09:45	08/16/21 17:35	75-25-2	
Bromomethane	**<94.7**	ug/kg	338	94.7	1	08/13/21 09:45	08/16/21 17:35	74-83-9	
n-Butylbenzene	**51.7J**	ug/kg	67.6	30.9	1	08/13/21 09:45	08/16/21 17:35	104-51-8	
sec-Butylbenzene	**17.2J**	ug/kg	67.6	16.5	1	08/13/21 09:45	08/16/21 17:35	135-98-8	
tert-Butylbenzene	**<21.2**	ug/kg	67.6	21.2	1	08/13/21 09:45	08/16/21 17:35	98-06-6	
Carbon tetrachloride	**<14.9**	ug/kg	67.6	14.9	1	08/13/21 09:45	08/16/21 17:35	56-23-5	
Chlorobenzene	**<8.1**	ug/kg	67.6	8.1	1	08/13/21 09:45	08/16/21 17:35	108-90-7	
Chloroethane	**<28.5**	ug/kg	338	28.5	1	08/13/21 09:45	08/16/21 17:35	75-00-3	
Chloroform	**<48.4**	ug/kg	338	48.4	1	08/13/21 09:45	08/16/21 17:35	67-66-3	
Chloromethane	**<25.7**	ug/kg	67.6	25.7	1	08/13/21 09:45	08/16/21 17:35	74-87-3	
2-Chlorotoluene	**<21.9**	ug/kg	67.6	21.9	1	08/13/21 09:45	08/16/21 17:35	95-49-8	
4-Chlorotoluene	**<25.7**	ug/kg	67.6	25.7	1	08/13/21 09:45	08/16/21 17:35	106-43-4	
1,2-Dibromo-3-chloropropane	**<52.4**	ug/kg	338	52.4	1	08/13/21 09:45	08/16/21 17:35	96-12-8	
Dibromochloromethane	**<231**	ug/kg	338	231	1	08/13/21 09:45	08/16/21 17:35	124-48-1	
1,2-Dibromoethane (EDB)	**<18.5**	ug/kg	67.6	18.5	1	08/13/21 09:45	08/16/21 17:35	106-93-4	
Dibromomethane	**<20.0**	ug/kg	67.6	20.0	1	08/13/21 09:45	08/16/21 17:35	74-95-3	
1,2-Dichlorobenzene	**<20.9**	ug/kg	67.6	20.9	1	08/13/21 09:45	08/16/21 17:35	95-50-1	
1,3-Dichlorobenzene	**<18.5**	ug/kg	67.6	18.5	1	08/13/21 09:45	08/16/21 17:35	541-73-1	
1,4-Dichlorobenzene	**<18.5**	ug/kg	67.6	18.5	1	08/13/21 09:45	08/16/21 17:35	106-46-7	
Dichlorodifluoromethane	**<29.1**	ug/kg	67.6	29.1	1	08/13/21 09:45	08/16/21 17:35	75-71-8	
1,1-Dichloroethane	**<17.3**	ug/kg	67.6	17.3	1	08/13/21 09:45	08/16/21 17:35	75-34-3	
1,2-Dichloroethane	**<15.5**	ug/kg	67.6	15.5	1	08/13/21 09:45	08/16/21 17:35	107-06-2	
1,1-Dichloroethene	**<22.4**	ug/kg	67.6	22.4	1	08/13/21 09:45	08/16/21 17:35	75-35-4	
cis-1,2-Dichloroethene	**<14.5**	ug/kg	67.6	14.5	1	08/13/21 09:45	08/16/21 17:35	156-59-2	
trans-1,2-Dichloroethene	**<14.6**	ug/kg	67.6	14.6	1	08/13/21 09:45	08/16/21 17:35	156-60-5	
1,2-Dichloropropane	**<16.1**	ug/kg	67.6	16.1	1	08/13/21 09:45	08/16/21 17:35	78-87-5	
1,3-Dichloropropane	**<14.7**	ug/kg	67.6	14.7	1	08/13/21 09:45	08/16/21 17:35	142-28-9	
2,2-Dichloropropane	**<18.2**	ug/kg	67.6	18.2	1	08/13/21 09:45	08/16/21 17:35	594-20-7	
1,1-Dichloropropene	**<21.9**	ug/kg	67.6	21.9	1	08/13/21 09:45	08/16/21 17:35	563-58-6	
cis-1,3-Dichloropropene	**<44.6**	ug/kg	338	44.6	1	08/13/21 09:45	08/16/21 17:35	10061-01-5	
trans-1,3-Dichloropropene	**<193**	ug/kg	338	193	1	08/13/21 09:45	08/16/21 17:35	10061-02-6	
Diisopropyl ether	**<16.8**	ug/kg	67.6	16.8	1	08/13/21 09:45	08/16/21 17:35	108-20-3	
Ethylbenzene	**205**	ug/kg	67.6	16.1	1	08/13/21 09:45	08/16/21 17:35	100-41-4	
Hexachloro-1,3-butadiene	**<134**	ug/kg	338	134	1	08/13/21 09:45	08/16/21 17:35	87-68-3	
Isopropylbenzene (Cumene)	**23.7J**	ug/kg	67.6	18.2	1	08/13/21 09:45	08/16/21 17:35	98-82-8	
p-Isopropyltoluene	**<20.5**	ug/kg	67.6	20.5	1	08/13/21 09:45	08/16/21 17:35	99-87-6	
Methylene Chloride	**<18.8**	ug/kg	67.6	18.8	1	08/13/21 09:45	08/16/21 17:35	75-09-2	
Methyl-tert-butyl ether	**<19.9**	ug/kg	67.6	19.9	1	08/13/21 09:45	08/16/21 17:35	1634-04-4	
Naphthalene	**141J**	ug/kg	338	21.1	1	08/13/21 09:45	08/16/21 17:35	91-20-3	
n-Propylbenzene	**105**	ug/kg	67.6	16.2	1	08/13/21 09:45	08/16/21 17:35	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-2 (14-15') **Lab ID: 40231479016** Collected: 08/10/21 10:40 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<17.3**	ug/kg	67.6	17.3	1	08/13/21 09:45	08/16/21 17:35	100-42-5	
1,1,1,2-Tetrachloroethane	**<16.2**	ug/kg	67.6	16.2	1	08/13/21 09:45	08/16/21 17:35	630-20-6	
1,1,2,2-Tetrachloroethane	**<24.5**	ug/kg	67.6	24.5	1	08/13/21 09:45	08/16/21 17:35	79-34-5	
Tetrachloroethene	**<26.2**	ug/kg	67.6	26.2	1	08/13/21 09:45	08/16/21 17:35	127-18-4	
Toluene	**<17.0**	ug/kg	67.6	17.0	1	08/13/21 09:45	08/16/21 17:35	108-88-3	
1,2,3-Trichlorobenzene	**<75.3**	ug/kg	338	75.3	1	08/13/21 09:45	08/16/21 17:35	87-61-6	
1,2,4-Trichlorobenzene	**<55.7**	ug/kg	338	55.7	1	08/13/21 09:45	08/16/21 17:35	120-82-1	
1,1,1-Trichloroethane	**<17.3**	ug/kg	67.6	17.3	1	08/13/21 09:45	08/16/21 17:35	71-55-6	
1,1,2-Trichloroethane	**<24.6**	ug/kg	67.6	24.6	1	08/13/21 09:45	08/16/21 17:35	79-00-5	
Trichloroethene	**<25.3**	ug/kg	67.6	25.3	1	08/13/21 09:45	08/16/21 17:35	79-01-6	
Trichlorofluoromethane	**<19.6**	ug/kg	67.6	19.6	1	08/13/21 09:45	08/16/21 17:35	75-69-4	
1,2,3-Trichloropropane	**<32.8**	ug/kg	67.6	32.8	1	08/13/21 09:45	08/16/21 17:35	96-18-4	
1,2,4-Trimethylbenzene	**386**	ug/kg	67.6	20.1	1	08/13/21 09:45	08/16/21 17:35	95-63-6	
1,3,5-Trimethylbenzene	**109**	ug/kg	67.6	21.8	1	08/13/21 09:45	08/16/21 17:35	108-67-8	
Vinyl chloride	**<13.6**	ug/kg	67.6	13.6	1	08/13/21 09:45	08/16/21 17:35	75-01-4	
Xylene (Total)	**633**	ug/kg	203	48.8	1	08/13/21 09:45	08/16/21 17:35	1330-20-7	
m&p-Xylene	**633**	ug/kg	135	28.5	1	08/13/21 09:45	08/16/21 17:35	179601-23-1	
o-Xylene	**<20.3**	ug/kg	67.6	20.3	1	08/13/21 09:45	08/16/21 17:35	95-47-6	
Surrogates									
Toluene-d8 (S)	136	%	67-159		1	08/13/21 09:45	08/16/21 17:35	2037-26-5	
4-Bromofluorobenzene (S)	132	%	66-153		1	08/13/21 09:45	08/16/21 17:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	132	%	82-158		1	08/13/21 09:45	08/16/21 17:35	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.9**	%	0.10	0.10	1		08/12/21 14:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-2 (20-21') **Lab ID: 40231479017** Collected: 08/10/21 10:45 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**31.1**	ug/kg	24.5	14.6	1	08/13/21 09:45	08/16/21 17:55	71-43-2	
Bromobenzene	**<23.9**	ug/kg	61.3	23.9	1	08/13/21 09:45	08/16/21 17:55	108-86-1	
Bromochloromethane	**<16.8**	ug/kg	61.3	16.8	1	08/13/21 09:45	08/16/21 17:55	74-97-5	
Bromodichloromethane	**<14.6**	ug/kg	61.3	14.6	1	08/13/21 09:45	08/16/21 17:55	75-27-4	
Bromoform	**<270**	ug/kg	307	270	1	08/13/21 09:45	08/16/21 17:55	75-25-2	
Bromomethane	**<86.0**	ug/kg	307	86.0	1	08/13/21 09:45	08/16/21 17:55	74-83-9	
n-Butylbenzene	**<28.1**	ug/kg	61.3	28.1	1	08/13/21 09:45	08/16/21 17:55	104-51-8	
sec-Butylbenzene	**<15.0**	ug/kg	61.3	15.0	1	08/13/21 09:45	08/16/21 17:55	135-98-8	
tert-Butylbenzene	**<19.3**	ug/kg	61.3	19.3	1	08/13/21 09:45	08/16/21 17:55	98-06-6	
Carbon tetrachloride	**<13.5**	ug/kg	61.3	13.5	1	08/13/21 09:45	08/16/21 17:55	56-23-5	
Chlorobenzene	**<7.3**	ug/kg	61.3	7.3	1	08/13/21 09:45	08/16/21 17:55	108-90-7	
Chloroethane	**<25.9**	ug/kg	307	25.9	1	08/13/21 09:45	08/16/21 17:55	75-00-3	
Chloroform	**<43.9**	ug/kg	307	43.9	1	08/13/21 09:45	08/16/21 17:55	67-66-3	
Chloromethane	**<23.3**	ug/kg	61.3	23.3	1	08/13/21 09:45	08/16/21 17:55	74-87-3	
2-Chlorotoluene	**<19.9**	ug/kg	61.3	19.9	1	08/13/21 09:45	08/16/21 17:55	95-49-8	
4-Chlorotoluene	**<23.3**	ug/kg	61.3	23.3	1	08/13/21 09:45	08/16/21 17:55	106-43-4	
1,2-Dibromo-3-chloropropane	**<47.6**	ug/kg	307	47.6	1	08/13/21 09:45	08/16/21 17:55	96-12-8	
Dibromochloromethane	**<210**	ug/kg	307	210	1	08/13/21 09:45	08/16/21 17:55	124-48-1	
1,2-Dibromoethane (EDB)	**<16.8**	ug/kg	61.3	16.8	1	08/13/21 09:45	08/16/21 17:55	106-93-4	
Dibromomethane	**<18.1**	ug/kg	61.3	18.1	1	08/13/21 09:45	08/16/21 17:55	74-95-3	
1,2-Dichlorobenzene	**<19.0**	ug/kg	61.3	19.0	1	08/13/21 09:45	08/16/21 17:55	95-50-1	
1,3-Dichlorobenzene	**<16.8**	ug/kg	61.3	16.8	1	08/13/21 09:45	08/16/21 17:55	541-73-1	
1,4-Dichlorobenzene	**<16.8**	ug/kg	61.3	16.8	1	08/13/21 09:45	08/16/21 17:55	106-46-7	
Dichlorodifluoromethane	**<26.4**	ug/kg	61.3	26.4	1	08/13/21 09:45	08/16/21 17:55	75-71-8	
1,1-Dichloroethane	**<15.7**	ug/kg	61.3	15.7	1	08/13/21 09:45	08/16/21 17:55	75-34-3	
1,2-Dichloroethane	**<14.1**	ug/kg	61.3	14.1	1	08/13/21 09:45	08/16/21 17:55	107-06-2	
1,1-Dichloroethene	**<20.4**	ug/kg	61.3	20.4	1	08/13/21 09:45	08/16/21 17:55	75-35-4	
cis-1,2-Dichloroethene	**<13.1**	ug/kg	61.3	13.1	1	08/13/21 09:45	08/16/21 17:55	156-59-2	
trans-1,2-Dichloroethene	**<13.2**	ug/kg	61.3	13.2	1	08/13/21 09:45	08/16/21 17:55	156-60-5	
1,2-Dichloropropane	**<14.6**	ug/kg	61.3	14.6	1	08/13/21 09:45	08/16/21 17:55	78-87-5	
1,3-Dichloropropane	**<13.4**	ug/kg	61.3	13.4	1	08/13/21 09:45	08/16/21 17:55	142-28-9	
2,2-Dichloropropane	**<16.6**	ug/kg	61.3	16.6	1	08/13/21 09:45	08/16/21 17:55	594-20-7	
1,1-Dichloropropene	**<19.9**	ug/kg	61.3	19.9	1	08/13/21 09:45	08/16/21 17:55	563-58-6	
cis-1,3-Dichloropropene	**<40.5**	ug/kg	307	40.5	1	08/13/21 09:45	08/16/21 17:55	10061-01-5	
trans-1,3-Dichloropropene	**<175**	ug/kg	307	175	1	08/13/21 09:45	08/16/21 17:55	10061-02-6	
Diisopropyl ether	**<15.2**	ug/kg	61.3	15.2	1	08/13/21 09:45	08/16/21 17:55	108-20-3	
Ethylbenzene	**35.0J**	ug/kg	61.3	14.6	1	08/13/21 09:45	08/16/21 17:55	100-41-4	
Hexachloro-1,3-butadiene	**<122**	ug/kg	307	122	1	08/13/21 09:45	08/16/21 17:55	87-68-3	
Isopropylbenzene (Cumene)	**<16.6**	ug/kg	61.3	16.6	1	08/13/21 09:45	08/16/21 17:55	98-82-8	
p-Isopropyltoluene	**<18.6**	ug/kg	61.3	18.6	1	08/13/21 09:45	08/16/21 17:55	99-87-6	
Methylene Chloride	**<17.0**	ug/kg	61.3	17.0	1	08/13/21 09:45	08/16/21 17:55	75-09-2	
Methyl-tert-butyl ether	**<18.0**	ug/kg	61.3	18.0	1	08/13/21 09:45	08/16/21 17:55	1634-04-4	
Naphthalene	**<19.1**	ug/kg	307	19.1	1	08/13/21 09:45	08/16/21 17:55	91-20-3	
n-Propylbenzene	**<14.7**	ug/kg	61.3	14.7	1	08/13/21 09:45	08/16/21 17:55	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-2 (20-21') **Lab ID: 40231479017** Collected: 08/10/21 10:45 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<15.7**	ug/kg	61.3	15.7	1	08/13/21 09:45	08/16/21 17:55	100-42-5	
1,1,1,2-Tetrachloroethane	**<14.7**	ug/kg	61.3	14.7	1	08/13/21 09:45	08/16/21 17:55	630-20-6	
1,1,2,2-Tetrachloroethane	**<22.2**	ug/kg	61.3	22.2	1	08/13/21 09:45	08/16/21 17:55	79-34-5	
Tetrachloroethene	**<23.8**	ug/kg	61.3	23.8	1	08/13/21 09:45	08/16/21 17:55	127-18-4	
Toluene	**<15.5**	ug/kg	61.3	15.5	1	08/13/21 09:45	08/16/21 17:55	108-88-3	
1,2,3-Trichlorobenzene	**<68.3**	ug/kg	307	68.3	1	08/13/21 09:45	08/16/21 17:55	87-61-6	
1,2,4-Trichlorobenzene	**<50.5**	ug/kg	307	50.5	1	08/13/21 09:45	08/16/21 17:55	120-82-1	
1,1,1-Trichloroethane	**<15.7**	ug/kg	61.3	15.7	1	08/13/21 09:45	08/16/21 17:55	71-55-6	
1,1,2-Trichloroethane	**<22.3**	ug/kg	61.3	22.3	1	08/13/21 09:45	08/16/21 17:55	79-00-5	
Trichloroethene	**<22.9**	ug/kg	61.3	22.9	1	08/13/21 09:45	08/16/21 17:55	79-01-6	
Trichlorofluoromethane	**<17.8**	ug/kg	61.3	17.8	1	08/13/21 09:45	08/16/21 17:55	75-69-4	
1,2,3-Trichloropropane	**<29.8**	ug/kg	61.3	29.8	1	08/13/21 09:45	08/16/21 17:55	96-18-4	
1,2,4-Trimethylbenzene	**<18.3**	ug/kg	61.3	18.3	1	08/13/21 09:45	08/16/21 17:55	95-63-6	
1,3,5-Trimethylbenzene	**<19.7**	ug/kg	61.3	19.7	1	08/13/21 09:45	08/16/21 17:55	108-67-8	
Vinyl chloride	**<12.4**	ug/kg	61.3	12.4	1	08/13/21 09:45	08/16/21 17:55	75-01-4	
Xylene (Total)	**88.5J**	ug/kg	184	44.3	1	08/13/21 09:45	08/16/21 17:55	1330-20-7	
m&p-Xylene	**88.5J**	ug/kg	123	25.9	1	08/13/21 09:45	08/16/21 17:55	179601-23-1	
o-Xylene	**<18.4**	ug/kg	61.3	18.4	1	08/13/21 09:45	08/16/21 17:55	95-47-6	
Surrogates									
Toluene-d8 (S)	104	%	67-159		1	08/13/21 09:45	08/16/21 17:55	2037-26-5	
4-Bromofluorobenzene (S)	106	%	66-153		1	08/13/21 09:45	08/16/21 17:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	82-158		1	08/13/21 09:45	08/16/21 17:55	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**10.2**	%	0.10	0.10	1		08/12/21 14:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-1 (2-3') **Lab ID: 40231479018** Collected: 08/10/21 11:00 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<17.0**	ug/kg	28.6	17.0	1	08/13/21 09:45	08/16/21 18:14	71-43-2	
Bromobenzene	**<27.9**	ug/kg	71.5	27.9	1	08/13/21 09:45	08/16/21 18:14	108-86-1	
Bromochloromethane	**<19.6**	ug/kg	71.5	19.6	1	08/13/21 09:45	08/16/21 18:14	74-97-5	
Bromodichloromethane	**<17.0**	ug/kg	71.5	17.0	1	08/13/21 09:45	08/16/21 18:14	75-27-4	
Bromoform	**<315**	ug/kg	358	315	1	08/13/21 09:45	08/16/21 18:14	75-25-2	
Bromomethane	**<100**	ug/kg	358	100	1	08/13/21 09:45	08/16/21 18:14	74-83-9	
n-Butylbenzene	**<32.7**	ug/kg	71.5	32.7	1	08/13/21 09:45	08/16/21 18:14	104-51-8	
sec-Butylbenzene	**<17.4**	ug/kg	71.5	17.4	1	08/13/21 09:45	08/16/21 18:14	135-98-8	
tert-Butylbenzene	**<22.5**	ug/kg	71.5	22.5	1	08/13/21 09:45	08/16/21 18:14	98-06-6	
Carbon tetrachloride	**<15.7**	ug/kg	71.5	15.7	1	08/13/21 09:45	08/16/21 18:14	56-23-5	
Chlorobenzene	**<8.6**	ug/kg	71.5	8.6	1	08/13/21 09:45	08/16/21 18:14	108-90-7	
Chloroethane	**<30.2**	ug/kg	358	30.2	1	08/13/21 09:45	08/16/21 18:14	75-00-3	
Chloroform	**<51.2**	ug/kg	358	51.2	1	08/13/21 09:45	08/16/21 18:14	67-66-3	
Chloromethane	**<27.2**	ug/kg	71.5	27.2	1	08/13/21 09:45	08/16/21 18:14	74-87-3	
2-Chlorotoluene	**<23.2**	ug/kg	71.5	23.2	1	08/13/21 09:45	08/16/21 18:14	95-49-8	
4-Chlorotoluene	**<27.2**	ug/kg	71.5	27.2	1	08/13/21 09:45	08/16/21 18:14	106-43-4	
1,2-Dibromo-3-chloropropane	**<55.5**	ug/kg	358	55.5	1	08/13/21 09:45	08/16/21 18:14	96-12-8	
Dibromochloromethane	**<244**	ug/kg	358	244	1	08/13/21 09:45	08/16/21 18:14	124-48-1	
1,2-Dibromoethane (EDB)	**<19.6**	ug/kg	71.5	19.6	1	08/13/21 09:45	08/16/21 18:14	106-93-4	
Dibromomethane	**<21.2**	ug/kg	71.5	21.2	1	08/13/21 09:45	08/16/21 18:14	74-95-3	
1,2-Dichlorobenzene	**<22.2**	ug/kg	71.5	22.2	1	08/13/21 09:45	08/16/21 18:14	95-50-1	
1,3-Dichlorobenzene	**<19.6**	ug/kg	71.5	19.6	1	08/13/21 09:45	08/16/21 18:14	541-73-1	
1,4-Dichlorobenzene	**<19.6**	ug/kg	71.5	19.6	1	08/13/21 09:45	08/16/21 18:14	106-46-7	
Dichlorodifluoromethane	**<30.7**	ug/kg	71.5	30.7	1	08/13/21 09:45	08/16/21 18:14	75-71-8	
1,1-Dichloroethane	**<18.3**	ug/kg	71.5	18.3	1	08/13/21 09:45	08/16/21 18:14	75-34-3	
1,2-Dichloroethane	**<16.4**	ug/kg	71.5	16.4	1	08/13/21 09:45	08/16/21 18:14	107-06-2	
1,1-Dichloroethene	**<23.7**	ug/kg	71.5	23.7	1	08/13/21 09:45	08/16/21 18:14	75-35-4	
cis-1,2-Dichloroethene	**<15.3**	ug/kg	71.5	15.3	1	08/13/21 09:45	08/16/21 18:14	156-59-2	
trans-1,2-Dichloroethene	**<15.4**	ug/kg	71.5	15.4	1	08/13/21 09:45	08/16/21 18:14	156-60-5	
1,2-Dichloropropane	**<17.0**	ug/kg	71.5	17.0	1	08/13/21 09:45	08/16/21 18:14	78-87-5	
1,3-Dichloropropane	**<15.6**	ug/kg	71.5	15.6	1	08/13/21 09:45	08/16/21 18:14	142-28-9	
2,2-Dichloropropane	**<19.3**	ug/kg	71.5	19.3	1	08/13/21 09:45	08/16/21 18:14	594-20-7	
1,1-Dichloropropene	**<23.2**	ug/kg	71.5	23.2	1	08/13/21 09:45	08/16/21 18:14	563-58-6	
cis-1,3-Dichloropropene	**<47.2**	ug/kg	358	47.2	1	08/13/21 09:45	08/16/21 18:14	10061-01-5	
trans-1,3-Dichloropropene	**<205**	ug/kg	358	205	1	08/13/21 09:45	08/16/21 18:14	10061-02-6	
Diisopropyl ether	**<17.7**	ug/kg	71.5	17.7	1	08/13/21 09:45	08/16/21 18:14	108-20-3	
Ethylbenzene	**<17.0**	ug/kg	71.5	17.0	1	08/13/21 09:45	08/16/21 18:14	100-41-4	
Hexachloro-1,3-butadiene	**<142**	ug/kg	358	142	1	08/13/21 09:45	08/16/21 18:14	87-68-3	
Isopropylbenzene (Cumene)	**<19.3**	ug/kg	71.5	19.3	1	08/13/21 09:45	08/16/21 18:14	98-82-8	
p-Isopropyltoluene	**<21.7**	ug/kg	71.5	21.7	1	08/13/21 09:45	08/16/21 18:14	99-87-6	
Methylene Chloride	**<19.9**	ug/kg	71.5	19.9	1	08/13/21 09:45	08/16/21 18:14	75-09-2	
Methyl-tert-butyl ether	**<21.0**	ug/kg	71.5	21.0	1	08/13/21 09:45	08/16/21 18:14	1634-04-4	
Naphthalene	**<22.3**	ug/kg	358	22.3	1	08/13/21 09:45	08/16/21 18:14	91-20-3	
n-Propylbenzene	**<17.2**	ug/kg	71.5	17.2	1	08/13/21 09:45	08/16/21 18:14	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-1 (2-3') **Lab ID: 40231479018** Collected: 08/10/21 11:00 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<18.3**	ug/kg	71.5	18.3	1	08/13/21 09:45	08/16/21 18:14	100-42-5	
1,1,1,2-Tetrachloroethane	**<17.2**	ug/kg	71.5	17.2	1	08/13/21 09:45	08/16/21 18:14	630-20-6	
1,1,2,2-Tetrachloroethane	**<25.9**	ug/kg	71.5	25.9	1	08/13/21 09:45	08/16/21 18:14	79-34-5	
Tetrachloroethene	**<27.7**	ug/kg	71.5	27.7	1	08/13/21 09:45	08/16/21 18:14	127-18-4	
Toluene	**<18.0**	ug/kg	71.5	18.0	1	08/13/21 09:45	08/16/21 18:14	108-88-3	
1,2,3-Trichlorobenzene	**<79.7**	ug/kg	358	79.7	1	08/13/21 09:45	08/16/21 18:14	87-61-6	
1,2,4-Trichlorobenzene	**<58.9**	ug/kg	358	58.9	1	08/13/21 09:45	08/16/21 18:14	120-82-1	
1,1,1-Trichloroethane	**<18.3**	ug/kg	71.5	18.3	1	08/13/21 09:45	08/16/21 18:14	71-55-6	
1,1,2-Trichloroethane	**<26.0**	ug/kg	71.5	26.0	1	08/13/21 09:45	08/16/21 18:14	79-00-5	
Trichloroethene	**<26.7**	ug/kg	71.5	26.7	1	08/13/21 09:45	08/16/21 18:14	79-01-6	
Trichlorofluoromethane	**<20.7**	ug/kg	71.5	20.7	1	08/13/21 09:45	08/16/21 18:14	75-69-4	
1,2,3-Trichloropropane	**<34.8**	ug/kg	71.5	34.8	1	08/13/21 09:45	08/16/21 18:14	96-18-4	
1,2,4-Trimethylbenzene	**<21.3**	ug/kg	71.5	21.3	1	08/13/21 09:45	08/16/21 18:14	95-63-6	
1,3,5-Trimethylbenzene	**<23.0**	ug/kg	71.5	23.0	1	08/13/21 09:45	08/16/21 18:14	108-67-8	
Vinyl chloride	**<14.4**	ug/kg	71.5	14.4	1	08/13/21 09:45	08/16/21 18:14	75-01-4	
Xylene (Total)	**<51.6**	ug/kg	215	51.6	1	08/13/21 09:45	08/16/21 18:14	1330-20-7	
m&p-Xylene	**<30.2**	ug/kg	143	30.2	1	08/13/21 09:45	08/16/21 18:14	179601-23-1	
o-Xylene	**<21.5**	ug/kg	71.5	21.5	1	08/13/21 09:45	08/16/21 18:14	95-47-6	
Surrogates									
Toluene-d8 (S)	129	%	67-159		1	08/13/21 09:45	08/16/21 18:14	2037-26-5	
4-Bromofluorobenzene (S)	128	%	66-153		1	08/13/21 09:45	08/16/21 18:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	129	%	82-158		1	08/13/21 09:45	08/16/21 18:14	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**17.7**	%	0.10	0.10	1		08/12/21 14:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-1 (8-9') **Lab ID: 40231479019** Collected: 08/10/21 11:05 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**<859**	ug/kg	1440	859	50	08/13/21 09:45	08/16/21 09:19	71-43-2	
Bromobenzene	**<1410**	ug/kg	3610	1410	50	08/13/21 09:45	08/16/21 09:19	108-86-1	
Bromochloromethane	**<989**	ug/kg	3610	989	50	08/13/21 09:45	08/16/21 09:19	74-97-5	
Bromodichloromethane	**<859**	ug/kg	3610	859	50	08/13/21 09:45	08/16/21 09:19	75-27-4	
Bromoform	**<15900**	ug/kg	18000	15900	50	08/13/21 09:45	08/16/21 09:19	75-25-2	
Bromomethane	**<5060**	ug/kg	18000	5060	50	08/13/21 09:45	08/16/21 09:19	74-83-9	
n-Butylbenzene	**26600**	ug/kg	3610	1650	50	08/13/21 09:45	08/16/21 09:19	104-51-8	
sec-Butylbenzene	**6470**	ug/kg	3610	881	50	08/13/21 09:45	08/16/21 09:19	135-98-8	
tert-Butylbenzene	**<1130**	ug/kg	3610	1130	50	08/13/21 09:45	08/16/21 09:19	98-06-6	
Carbon tetrachloride	**<794**	ug/kg	3610	794	50	08/13/21 09:45	08/16/21 09:19	56-23-5	
Chlorobenzene	**<432**	ug/kg	3610	432	50	08/13/21 09:45	08/16/21 09:19	108-90-7	
Chloroethane	**<1520**	ug/kg	18000	1520	50	08/13/21 09:45	08/16/21 09:19	75-00-3	
Chloroform	**<2580**	ug/kg	18000	2580	50	08/13/21 09:45	08/16/21 09:19	67-66-3	
Chloromethane	**<1370**	ug/kg	3610	1370	50	08/13/21 09:45	08/16/21 09:19	74-87-3	
2-Chlorotoluene	**<1170**	ug/kg	3610	1170	50	08/13/21 09:45	08/16/21 09:19	95-49-8	
4-Chlorotoluene	**<1370**	ug/kg	3610	1370	50	08/13/21 09:45	08/16/21 09:19	106-43-4	
1,2-Dibromo-3-chloropropane	**<2800**	ug/kg	18000	2800	50	08/13/21 09:45	08/16/21 09:19	96-12-8	
Dibromochloromethane	**<12300**	ug/kg	18000	12300	50	08/13/21 09:45	08/16/21 09:19	124-48-1	
1,2-Dibromoethane (EDB)	**<989**	ug/kg	3610	989	50	08/13/21 09:45	08/16/21 09:19	106-93-4	
Dibromomethane	**<1070**	ug/kg	3610	1070	50	08/13/21 09:45	08/16/21 09:19	74-95-3	
1,2-Dichlorobenzene	**<1120**	ug/kg	3610	1120	50	08/13/21 09:45	08/16/21 09:19	95-50-1	
1,3-Dichlorobenzene	**<989**	ug/kg	3610	989	50	08/13/21 09:45	08/16/21 09:19	541-73-1	
1,4-Dichlorobenzene	**<989**	ug/kg	3610	989	50	08/13/21 09:45	08/16/21 09:19	106-46-7	
Dichlorodifluoromethane	**<1550**	ug/kg	3610	1550	50	08/13/21 09:45	08/16/21 09:19	75-71-8	
1,1-Dichloroethane	**<924**	ug/kg	3610	924	50	08/13/21 09:45	08/16/21 09:19	75-34-3	
1,2-Dichloroethane	**<830**	ug/kg	3610	830	50	08/13/21 09:45	08/16/21 09:19	107-06-2	
1,1-Dichloroethene	**<1200**	ug/kg	3610	1200	50	08/13/21 09:45	08/16/21 09:19	75-35-4	
cis-1,2-Dichloroethene	**<772**	ug/kg	3610	772	50	08/13/21 09:45	08/16/21 09:19	156-59-2	
trans-1,2-Dichloroethene	**<780**	ug/kg	3610	780	50	08/13/21 09:45	08/16/21 09:19	156-60-5	
1,2-Dichloropropane	**<859**	ug/kg	3610	859	50	08/13/21 09:45	08/16/21 09:19	78-87-5	
1,3-Dichloropropane	**<787**	ug/kg	3610	787	50	08/13/21 09:45	08/16/21 09:19	142-28-9	
2,2-Dichloropropane	**<975**	ug/kg	3610	975	50	08/13/21 09:45	08/16/21 09:19	594-20-7	
1,1-Dichloropropene	**<1170**	ug/kg	3610	1170	50	08/13/21 09:45	08/16/21 09:19	563-58-6	
cis-1,3-Dichloropropene	**<2380**	ug/kg	18000	2380	50	08/13/21 09:45	08/16/21 09:19	10061-01-5	
trans-1,3-Dichloropropene	**<10300**	ug/kg	18000	10300	50	08/13/21 09:45	08/16/21 09:19	10061-02-6	
Diisopropyl ether	**<895**	ug/kg	3610	895	50	08/13/21 09:45	08/16/21 09:19	108-20-3	
Ethylbenzene	**47600**	ug/kg	3610	859	50	08/13/21 09:45	08/16/21 09:19	100-41-4	
Hexachloro-1,3-butadiene	**<7180**	ug/kg	18000	7180	50	08/13/21 09:45	08/16/21 09:19	87-68-3	
Isopropylbenzene (Cumene)	**11000**	ug/kg	3610	975	50	08/13/21 09:45	08/16/21 09:19	98-82-8	
p-Isopropyltoluene	**2490J**	ug/kg	3610	1100	50	08/13/21 09:45	08/16/21 09:19	99-87-6	
Methylene Chloride	**<1000**	ug/kg	3610	1000	50	08/13/21 09:45	08/16/21 09:19	75-09-2	
Methyl-tert-butyl ether	**<1060**	ug/kg	3610	1060	50	08/13/21 09:45	08/16/21 09:19	1634-04-4	
Naphthalene	**23100**	ug/kg	18000	1130	50	08/13/21 09:45	08/16/21 09:19	91-20-3	
n-Propylbenzene	**49100**	ug/kg	3610	866	50	08/13/21 09:45	08/16/21 09:19	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-1 (8-9') **Lab ID: 40231479019** Collected: 08/10/21 11:05 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<924**	ug/kg	3610	924	50	08/13/21 09:45	08/16/21 09:19	100-42-5	
1,1,1,2-Tetrachloroethane	**<866**	ug/kg	3610	866	50	08/13/21 09:45	08/16/21 09:19	630-20-6	
1,1,2,2-Tetrachloroethane	**<1310**	ug/kg	3610	1310	50	08/13/21 09:45	08/16/21 09:19	79-34-5	
Tetrachloroethene	**<1400**	ug/kg	3610	1400	50	08/13/21 09:45	08/16/21 09:19	127-18-4	
Toluene	**1090J**	ug/kg	3610	910	50	08/13/21 09:45	08/16/21 09:19	108-88-3	
1,2,3-Trichlorobenzene	**<4020**	ug/kg	18000	4020	50	08/13/21 09:45	08/16/21 09:19	87-61-6	
1,2,4-Trichlorobenzene	**<2970**	ug/kg	18000	2970	50	08/13/21 09:45	08/16/21 09:19	120-82-1	
1,1,1-Trichloroethane	**<924**	ug/kg	3610	924	50	08/13/21 09:45	08/16/21 09:19	71-55-6	
1,1,2-Trichloroethane	**<1310**	ug/kg	3610	1310	50	08/13/21 09:45	08/16/21 09:19	79-00-5	
Trichloroethene	**<1350**	ug/kg	3610	1350	50	08/13/21 09:45	08/16/21 09:19	79-01-6	
Trichlorofluoromethane	**<1050**	ug/kg	3610	1050	50	08/13/21 09:45	08/16/21 09:19	75-69-4	
1,2,3-Trichloropropane	**<1750**	ug/kg	3610	1750	50	08/13/21 09:45	08/16/21 09:19	96-18-4	
1,2,4-Trimethylbenzene	**278000**	ug/kg	3610	1080	50	08/13/21 09:45	08/16/21 09:19	95-63-6	
1,3,5-Trimethylbenzene	**83000**	ug/kg	3610	1160	50	08/13/21 09:45	08/16/21 09:19	108-67-8	
Vinyl chloride	**<729**	ug/kg	3610	729	50	08/13/21 09:45	08/16/21 09:19	75-01-4	
Xylene (Total)	**202000**	ug/kg	10800	2610	50	08/13/21 09:45	08/16/21 09:19	1330-20-7	
m&p-Xylene	**190000**	ug/kg	7220	1520	50	08/13/21 09:45	08/16/21 09:19	179601-23-1	
o-Xylene	**12000**	ug/kg	3610	1080	50	08/13/21 09:45	08/16/21 09:19	95-47-6	
Surrogates									
Toluene-d8 (S)	155	%	67-159		50	08/13/21 09:45	08/16/21 09:19	2037-26-5	S4
4-Bromofluorobenzene (S)	176	%	66-153		50	08/13/21 09:45	08/16/21 09:19	460-00-4	S4
1,2-Dichlorobenzene-d4 (S)	249	%	82-158		50	08/13/21 09:45	08/16/21 09:19	2199-69-1	S4
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**18.2**	%	0.10	0.10	1		08/12/21 14:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-1 (14-15') **Lab ID: 40231479020** Collected: 08/10/21 11:10 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**453**	ug/kg	207	123	8	08/13/21 09:45	08/16/21 09:39	71-43-2	
Bromobenzene	**<202**	ug/kg	517	202	8	08/13/21 09:45	08/16/21 09:39	108-86-1	
Bromochloromethane	**<142**	ug/kg	517	142	8	08/13/21 09:45	08/16/21 09:39	74-97-5	
Bromodichloromethane	**<123**	ug/kg	517	123	8	08/13/21 09:45	08/16/21 09:39	75-27-4	
Bromoform	**<2280**	ug/kg	2590	2280	8	08/13/21 09:45	08/16/21 09:39	75-25-2	
Bromomethane	**<725**	ug/kg	2590	725	8	08/13/21 09:45	08/16/21 09:39	74-83-9	
n-Butylbenzene	**3450**	ug/kg	517	237	8	08/13/21 09:45	08/16/21 09:39	104-51-8	
sec-Butylbenzene	**664**	ug/kg	517	126	8	08/13/21 09:45	08/16/21 09:39	135-98-8	
tert-Butylbenzene	**<162**	ug/kg	517	162	8	08/13/21 09:45	08/16/21 09:39	98-06-6	
Carbon tetrachloride	**<114**	ug/kg	517	114	8	08/13/21 09:45	08/16/21 09:39	56-23-5	
Chlorobenzene	**<62.0**	ug/kg	517	62.0	8	08/13/21 09:45	08/16/21 09:39	108-90-7	
Chloroethane	**<218**	ug/kg	2590	218	8	08/13/21 09:45	08/16/21 09:39	75-00-3	
Chloroform	**<370**	ug/kg	2590	370	8	08/13/21 09:45	08/16/21 09:39	67-66-3	
Chloromethane	**<197**	ug/kg	517	197	8	08/13/21 09:45	08/16/21 09:39	74-87-3	
2-Chlorotoluene	**<168**	ug/kg	517	168	8	08/13/21 09:45	08/16/21 09:39	95-49-8	
4-Chlorotoluene	**<197**	ug/kg	517	197	8	08/13/21 09:45	08/16/21 09:39	106-43-4	
1,2-Dibromo-3-chloropropane	**<401**	ug/kg	2590	401	8	08/13/21 09:45	08/16/21 09:39	96-12-8	
Dibromochloromethane	**<1770**	ug/kg	2590	1770	8	08/13/21 09:45	08/16/21 09:39	124-48-1	
1,2-Dibromoethane (EDB)	**<142**	ug/kg	517	142	8	08/13/21 09:45	08/16/21 09:39	106-93-4	
Dibromomethane	**<153**	ug/kg	517	153	8	08/13/21 09:45	08/16/21 09:39	74-95-3	
1,2-Dichlorobenzene	**<160**	ug/kg	517	160	8	08/13/21 09:45	08/16/21 09:39	95-50-1	
1,3-Dichlorobenzene	**<142**	ug/kg	517	142	8	08/13/21 09:45	08/16/21 09:39	541-73-1	
1,4-Dichlorobenzene	**<142**	ug/kg	517	142	8	08/13/21 09:45	08/16/21 09:39	106-46-7	
Dichlorodifluoromethane	**<222**	ug/kg	517	222	8	08/13/21 09:45	08/16/21 09:39	75-71-8	
1,1-Dichloroethane	**<132**	ug/kg	517	132	8	08/13/21 09:45	08/16/21 09:39	75-34-3	
1,2-Dichloroethane	**<119**	ug/kg	517	119	8	08/13/21 09:45	08/16/21 09:39	107-06-2	
1,1-Dichloroethene	**<172**	ug/kg	517	172	8	08/13/21 09:45	08/16/21 09:39	75-35-4	
cis-1,2-Dichloroethene	**<111**	ug/kg	517	111	8	08/13/21 09:45	08/16/21 09:39	156-59-2	
trans-1,2-Dichloroethene	**<112**	ug/kg	517	112	8	08/13/21 09:45	08/16/21 09:39	156-60-5	
1,2-Dichloropropane	**<123**	ug/kg	517	123	8	08/13/21 09:45	08/16/21 09:39	78-87-5	
1,3-Dichloropropane	**<113**	ug/kg	517	113	8	08/13/21 09:45	08/16/21 09:39	142-28-9	
2,2-Dichloropropane	**<140**	ug/kg	517	140	8	08/13/21 09:45	08/16/21 09:39	594-20-7	
1,1-Dichloropropene	**<168**	ug/kg	517	168	8	08/13/21 09:45	08/16/21 09:39	563-58-6	
cis-1,3-Dichloropropene	**<341**	ug/kg	2590	341	8	08/13/21 09:45	08/16/21 09:39	10061-01-5	
trans-1,3-Dichloropropene	**<1480**	ug/kg	2590	1480	8	08/13/21 09:45	08/16/21 09:39	10061-02-6	
Diisopropyl ether	**<128**	ug/kg	517	128	8	08/13/21 09:45	08/16/21 09:39	108-20-3	
Ethylbenzene	**17800**	ug/kg	517	123	8	08/13/21 09:45	08/16/21 09:39	100-41-4	
Hexachloro-1,3-butadiene	**<1030**	ug/kg	2590	1030	8	08/13/21 09:45	08/16/21 09:39	87-68-3	
Isopropylbenzene (Cumene)	**1600**	ug/kg	517	140	8	08/13/21 09:45	08/16/21 09:39	98-82-8	
p-Isopropyltoluene	**549**	ug/kg	517	157	8	08/13/21 09:45	08/16/21 09:39	99-87-6	
Methylene Chloride	**<144**	ug/kg	517	144	8	08/13/21 09:45	08/16/21 09:39	75-09-2	
Methyl-tert-butyl ether	**<152**	ug/kg	517	152	8	08/13/21 09:45	08/16/21 09:39	1634-04-4	
Naphthalene	**4300**	ug/kg	2590	161	8	08/13/21 09:45	08/16/21 09:39	91-20-3	
n-Propylbenzene	**6710**	ug/kg	517	124	8	08/13/21 09:45	08/16/21 09:39	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-1 (14-15') **Lab ID: 40231479020** Collected: 08/10/21 11:10 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<132**	ug/kg	517	132	8	08/13/21 09:45	08/16/21 09:39	100-42-5	
1,1,1,2-Tetrachloroethane	**<124**	ug/kg	517	124	8	08/13/21 09:45	08/16/21 09:39	630-20-6	
1,1,2,2-Tetrachloroethane	**<187**	ug/kg	517	187	8	08/13/21 09:45	08/16/21 09:39	79-34-5	
Tetrachloroethene	**<201**	ug/kg	517	201	8	08/13/21 09:45	08/16/21 09:39	127-18-4	
Toluene	**9290**	ug/kg	517	130	8	08/13/21 09:45	08/16/21 09:39	108-88-3	
1,2,3-Trichlorobenzene	**<576**	ug/kg	2590	576	8	08/13/21 09:45	08/16/21 09:39	87-61-6	
1,2,4-Trichlorobenzene	**<426**	ug/kg	2590	426	8	08/13/21 09:45	08/16/21 09:39	120-82-1	
1,1,1-Trichloroethane	**<132**	ug/kg	517	132	8	08/13/21 09:45	08/16/21 09:39	71-55-6	
1,1,2-Trichloroethane	**<188**	ug/kg	517	188	8	08/13/21 09:45	08/16/21 09:39	79-00-5	
Trichloroethene	**<193**	ug/kg	517	193	8	08/13/21 09:45	08/16/21 09:39	79-01-6	
Trichlorofluoromethane	**<150**	ug/kg	517	150	8	08/13/21 09:45	08/16/21 09:39	75-69-4	
1,2,3-Trichloropropane	**<251**	ug/kg	517	251	8	08/13/21 09:45	08/16/21 09:39	96-18-4	
1,2,4-Trimethylbenzene	**34600**	ug/kg	517	154	8	08/13/21 09:45	08/16/21 09:39	95-63-6	
1,3,5-Trimethylbenzene	**9710**	ug/kg	517	167	8	08/13/21 09:45	08/16/21 09:39	108-67-8	
Vinyl chloride	**<104**	ug/kg	517	104	8	08/13/21 09:45	08/16/21 09:39	75-01-4	
Xylene (Total)	**83100**	ug/kg	1550	373	8	08/13/21 09:45	08/16/21 09:39	1330-20-7	
m&p-Xylene	**62900**	ug/kg	1030	218	8	08/13/21 09:45	08/16/21 09:39	179601-23-1	
o-Xylene	**20200**	ug/kg	517	155	8	08/13/21 09:45	08/16/21 09:39	95-47-6	
Surrogates									
Toluene-d8 (S)	131	%	67-159		8	08/13/21 09:45	08/16/21 09:39	2037-26-5	
4-Bromofluorobenzene (S)	139	%	66-153		8	08/13/21 09:45	08/16/21 09:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	125	%	82-158		8	08/13/21 09:45	08/16/21 09:39	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**12.8**	%	0.10	0.10	1		08/12/21 14:31		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-1 (20-21') **Lab ID: 40231479021** Collected: 08/10/21 11:15 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Benzene	**203**	ug/kg	25.5	15.2	1	08/13/21 09:45	08/16/21 18:34	71-43-2	
Bromobenzene	**<24.9**	ug/kg	63.8	24.9	1	08/13/21 09:45	08/16/21 18:34	108-86-1	
Bromochloromethane	**<17.5**	ug/kg	63.8	17.5	1	08/13/21 09:45	08/16/21 18:34	74-97-5	
Bromodichloromethane	**<15.2**	ug/kg	63.8	15.2	1	08/13/21 09:45	08/16/21 18:34	75-27-4	
Bromoform	**<281**	ug/kg	319	281	1	08/13/21 09:45	08/16/21 18:34	75-25-2	
Bromomethane	**<89.5**	ug/kg	319	89.5	1	08/13/21 09:45	08/16/21 18:34	74-83-9	
n-Butylbenzene	**<29.2**	ug/kg	63.8	29.2	1	08/13/21 09:45	08/16/21 18:34	104-51-8	
sec-Butylbenzene	**<15.6**	ug/kg	63.8	15.6	1	08/13/21 09:45	08/16/21 18:34	135-98-8	
tert-Butylbenzene	**<20.0**	ug/kg	63.8	20.0	1	08/13/21 09:45	08/16/21 18:34	98-06-6	
Carbon tetrachloride	**<14.0**	ug/kg	63.8	14.0	1	08/13/21 09:45	08/16/21 18:34	56-23-5	
Chlorobenzene	**<7.6**	ug/kg	63.8	7.6	1	08/13/21 09:45	08/16/21 18:34	108-90-7	
Chloroethane	**<26.9**	ug/kg	319	26.9	1	08/13/21 09:45	08/16/21 18:34	75-00-3	
Chloroform	**<45.7**	ug/kg	319	45.7	1	08/13/21 09:45	08/16/21 18:34	67-66-3	
Chloromethane	**<24.3**	ug/kg	63.8	24.3	1	08/13/21 09:45	08/16/21 18:34	74-87-3	
2-Chlorotoluene	**<20.7**	ug/kg	63.8	20.7	1	08/13/21 09:45	08/16/21 18:34	95-49-8	
4-Chlorotoluene	**<24.3**	ug/kg	63.8	24.3	1	08/13/21 09:45	08/16/21 18:34	106-43-4	
1,2-Dibromo-3-chloropropane	**<49.5**	ug/kg	319	49.5	1	08/13/21 09:45	08/16/21 18:34	96-12-8	
Dibromochloromethane	**<218**	ug/kg	319	218	1	08/13/21 09:45	08/16/21 18:34	124-48-1	
1,2-Dibromoethane (EDB)	**<17.5**	ug/kg	63.8	17.5	1	08/13/21 09:45	08/16/21 18:34	106-93-4	
Dibromomethane	**<18.9**	ug/kg	63.8	18.9	1	08/13/21 09:45	08/16/21 18:34	74-95-3	
1,2-Dichlorobenzene	**<19.8**	ug/kg	63.8	19.8	1	08/13/21 09:45	08/16/21 18:34	95-50-1	
1,3-Dichlorobenzene	**<17.5**	ug/kg	63.8	17.5	1	08/13/21 09:45	08/16/21 18:34	541-73-1	
1,4-Dichlorobenzene	**<17.5**	ug/kg	63.8	17.5	1	08/13/21 09:45	08/16/21 18:34	106-46-7	
Dichlorodifluoromethane	**<27.4**	ug/kg	63.8	27.4	1	08/13/21 09:45	08/16/21 18:34	75-71-8	
1,1-Dichloroethane	**<16.3**	ug/kg	63.8	16.3	1	08/13/21 09:45	08/16/21 18:34	75-34-3	
1,2-Dichloroethane	**<14.7**	ug/kg	63.8	14.7	1	08/13/21 09:45	08/16/21 18:34	107-06-2	
1,1-Dichloroethene	**<21.2**	ug/kg	63.8	21.2	1	08/13/21 09:45	08/16/21 18:34	75-35-4	
cis-1,2-Dichloroethene	**<13.7**	ug/kg	63.8	13.7	1	08/13/21 09:45	08/16/21 18:34	156-59-2	
trans-1,2-Dichloroethene	**<13.8**	ug/kg	63.8	13.8	1	08/13/21 09:45	08/16/21 18:34	156-60-5	
1,2-Dichloropropane	**<15.2**	ug/kg	63.8	15.2	1	08/13/21 09:45	08/16/21 18:34	78-87-5	
1,3-Dichloropropane	**<13.9**	ug/kg	63.8	13.9	1	08/13/21 09:45	08/16/21 18:34	142-28-9	
2,2-Dichloropropane	**<17.2**	ug/kg	63.8	17.2	1	08/13/21 09:45	08/16/21 18:34	594-20-7	
1,1-Dichloropropene	**<20.7**	ug/kg	63.8	20.7	1	08/13/21 09:45	08/16/21 18:34	563-58-6	
cis-1,3-Dichloropropene	**<42.1**	ug/kg	319	42.1	1	08/13/21 09:45	08/16/21 18:34	10061-01-5	
trans-1,3-Dichloropropene	**<183**	ug/kg	319	183	1	08/13/21 09:45	08/16/21 18:34	10061-02-6	
Diisopropyl ether	**<15.8**	ug/kg	63.8	15.8	1	08/13/21 09:45	08/16/21 18:34	108-20-3	
Ethylbenzene	**273**	ug/kg	63.8	15.2	1	08/13/21 09:45	08/16/21 18:34	100-41-4	
Hexachloro-1,3-butadiene	**<127**	ug/kg	319	127	1	08/13/21 09:45	08/16/21 18:34	87-68-3	
Isopropylbenzene (Cumene)	**<17.2**	ug/kg	63.8	17.2	1	08/13/21 09:45	08/16/21 18:34	98-82-8	
p-Isopropyltoluene	**<19.4**	ug/kg	63.8	19.4	1	08/13/21 09:45	08/16/21 18:34	99-87-6	
Methylene Chloride	**<17.7**	ug/kg	63.8	17.7	1	08/13/21 09:45	08/16/21 18:34	75-09-2	
Methyl-tert-butyl ether	**<18.8**	ug/kg	63.8	18.8	1	08/13/21 09:45	08/16/21 18:34	1634-04-4	
Naphthalene	**136J**	ug/kg	319	19.9	1	08/13/21 09:45	08/16/21 18:34	91-20-3	
n-Propylbenzene	**36.1J**	ug/kg	63.8	15.3	1	08/13/21 09:45	08/16/21 18:34	103-65-1	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Sample: SP-1 (20-21') **Lab ID: 40231479021** Collected: 08/10/21 11:15 Received: 08/11/21 09:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay								
Styrene	**<16.3**	ug/kg	63.8	16.3	1	08/13/21 09:45	08/16/21 18:34	100-42-5	
1,1,1,2-Tetrachloroethane	**<15.3**	ug/kg	63.8	15.3	1	08/13/21 09:45	08/16/21 18:34	630-20-6	
1,1,2,2-Tetrachloroethane	**<23.1**	ug/kg	63.8	23.1	1	08/13/21 09:45	08/16/21 18:34	79-34-5	
Tetrachloroethene	**<24.8**	ug/kg	63.8	24.8	1	08/13/21 09:45	08/16/21 18:34	127-18-4	
Toluene	**85.3**	ug/kg	63.8	16.1	1	08/13/21 09:45	08/16/21 18:34	108-88-3	
1,2,3-Trichlorobenzene	**<71.1**	ug/kg	319	71.1	1	08/13/21 09:45	08/16/21 18:34	87-61-6	
1,2,4-Trichlorobenzene	**<52.6**	ug/kg	319	52.6	1	08/13/21 09:45	08/16/21 18:34	120-82-1	
1,1,1-Trichloroethane	**<16.3**	ug/kg	63.8	16.3	1	08/13/21 09:45	08/16/21 18:34	71-55-6	
1,1,2-Trichloroethane	**<23.2**	ug/kg	63.8	23.2	1	08/13/21 09:45	08/16/21 18:34	79-00-5	
Trichloroethene	**<23.9**	ug/kg	63.8	23.9	1	08/13/21 09:45	08/16/21 18:34	79-01-6	
Trichlorofluoromethane	**<18.5**	ug/kg	63.8	18.5	1	08/13/21 09:45	08/16/21 18:34	75-69-4	
1,2,3-Trichloropropane	**<31.0**	ug/kg	63.8	31.0	1	08/13/21 09:45	08/16/21 18:34	96-18-4	
1,2,4-Trimethylbenzene	**86.6**	ug/kg	63.8	19.0	1	08/13/21 09:45	08/16/21 18:34	95-63-6	
1,3,5-Trimethylbenzene	**<20.6**	ug/kg	63.8	20.6	1	08/13/21 09:45	08/16/21 18:34	108-67-8	
Vinyl chloride	**<12.9**	ug/kg	63.8	12.9	1	08/13/21 09:45	08/16/21 18:34	75-01-4	
Xylene (Total)	**269**	ug/kg	192	46.1	1	08/13/21 09:45	08/16/21 18:34	1330-20-7	
m&p-Xylene	**269**	ug/kg	128	26.9	1	08/13/21 09:45	08/16/21 18:34	179601-23-1	
o-Xylene	**<19.2**	ug/kg	63.8	19.2	1	08/13/21 09:45	08/16/21 18:34	95-47-6	
Surrogates									
Toluene-d8 (S)	121	%	67-159		1	08/13/21 09:45	08/16/21 18:34	2037-26-5	
4-Bromofluorobenzene (S)	117	%	66-153		1	08/13/21 09:45	08/16/21 18:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	118	%	82-158		1	08/13/21 09:45	08/16/21 18:34	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**12.2**	%	0.10	0.10	1		08/12/21 14:31		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

QC Batch: 392891
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40231479001

METHOD BLANK: 2266773 Matrix: Solid
Associated Lab Samples: 40231479001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	08/13/21 08:22	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	08/13/21 08:22	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	08/13/21 08:22	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	08/13/21 08:22	
1,1-Dichloroethane	ug/kg	<12.8	50.0	08/13/21 08:22	
1,1-Dichloroethene	ug/kg	<16.6	50.0	08/13/21 08:22	
1,1-Dichloropropene	ug/kg	<16.2	50.0	08/13/21 08:22	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	08/13/21 08:22	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	08/13/21 08:22	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	08/13/21 08:22	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	08/13/21 08:22	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	08/13/21 08:22	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	08/13/21 08:22	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	08/13/21 08:22	
1,2-Dichloroethane	ug/kg	<11.5	50.0	08/13/21 08:22	
1,2-Dichloropropane	ug/kg	<11.9	50.0	08/13/21 08:22	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	08/13/21 08:22	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	08/13/21 08:22	
1,3-Dichloropropane	ug/kg	<10.9	50.0	08/13/21 08:22	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	08/13/21 08:22	
2,2-Dichloropropane	ug/kg	<13.5	50.0	08/13/21 08:22	
2-Chlorotoluene	ug/kg	<16.2	50.0	08/13/21 08:22	
4-Chlorotoluene	ug/kg	<19.0	50.0	08/13/21 08:22	
Benzene	ug/kg	<11.9	20.0	08/13/21 08:22	
Bromobenzene	ug/kg	<19.5	50.0	08/13/21 08:22	
Bromochloromethane	ug/kg	<13.7	50.0	08/13/21 08:22	
Bromodichloromethane	ug/kg	<11.9	50.0	08/13/21 08:22	
Bromoform	ug/kg	<220	250	08/13/21 08:22	
Bromomethane	ug/kg	<70.1	250	08/13/21 08:22	
Carbon tetrachloride	ug/kg	<11.0	50.0	08/13/21 08:22	
Chlorobenzene	ug/kg	<6.0	50.0	08/13/21 08:22	
Chloroethane	ug/kg	<21.1	250	08/13/21 08:22	
Chloroform	ug/kg	<35.8	250	08/13/21 08:22	
Chloromethane	ug/kg	<19.0	50.0	08/13/21 08:22	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	08/13/21 08:22	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	08/13/21 08:22	
Dibromochloromethane	ug/kg	<171	250	08/13/21 08:22	
Dibromomethane	ug/kg	<14.8	50.0	08/13/21 08:22	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	08/13/21 08:22	
Diisopropyl ether	ug/kg	<12.4	50.0	08/13/21 08:22	

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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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

METHOD BLANK: 2266773 Matrix: Solid
Associated Lab Samples: 40231479001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	08/13/21 08:22	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	08/13/21 08:22	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	08/13/21 08:22	
m&p-Xylene	ug/kg	<21.1	100	08/13/21 08:22	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	08/13/21 08:22	
Methylene Chloride	ug/kg	<13.9	50.0	08/13/21 08:22	
n-Butylbenzene	ug/kg	<22.9	50.0	08/13/21 08:22	
n-Propylbenzene	ug/kg	<12.0	50.0	08/13/21 08:22	
Naphthalene	ug/kg	<15.6	250	08/13/21 08:22	
o-Xylene	ug/kg	<15.0	50.0	08/13/21 08:22	
p-Isopropyltoluene	ug/kg	<15.2	50.0	08/13/21 08:22	
sec-Butylbenzene	ug/kg	15.0J	50.0	08/13/21 08:22	
Styrene	ug/kg	<12.8	50.0	08/13/21 08:22	
tert-Butylbenzene	ug/kg	<15.7	50.0	08/13/21 08:22	
Tetrachloroethene	ug/kg	<19.4	50.0	08/13/21 08:22	
Toluene	ug/kg	<12.6	50.0	08/13/21 08:22	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	08/13/21 08:22	
trans-1,3-Dichloropropene	ug/kg	<143	250	08/13/21 08:22	
Trichloroethene	ug/kg	<18.7	50.0	08/13/21 08:22	
Trichlorofluoromethane	ug/kg	<14.5	50.0	08/13/21 08:22	
Vinyl chloride	ug/kg	<10.1	50.0	08/13/21 08:22	
Xylene (Total)	ug/kg	<36.1	150	08/13/21 08:22	
1,2-Dichlorobenzene-d4 (S)	%	100	82-158	08/13/21 08:22	
4-Bromofluorobenzene (S)	%	113	66-153	08/13/21 08:22	
Toluene-d8 (S)	%	104	67-159	08/13/21 08:22	

LABORATORY CONTROL SAMPLE: 2266774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2080	83	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2640	106	65-129	
1,1,2-Trichloroethane	ug/kg	2500	2420	97	70-130	
1,1-Dichloroethane	ug/kg	2500	2480	99	70-130	
1,1-Dichloroethene	ug/kg	2500	2100	84	67-120	
1,2,4-Trichlorobenzene	ug/kg	2500	2070	83	64-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2690	108	57-119	
1,2-Dibromoethane (EDB)	ug/kg	2500	2390	96	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2560	102	70-130	
1,2-Dichloroethane	ug/kg	2500	2530	101	70-130	
1,2-Dichloropropane	ug/kg	2500	2550	102	72-118	
1,3-Dichlorobenzene	ug/kg	2500	2360	94	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2330	93	70-130	
Benzene	ug/kg	2500	2450	98	70-130	
Bromodichloromethane	ug/kg	2500	2270	91	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

LABORATORY CONTROL SAMPLE: 2266774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	1930	77	66-130	
Bromomethane	ug/kg	2500	1520	61	13-153	
Carbon tetrachloride	ug/kg	2500	1990	80	73-134	
Chlorobenzene	ug/kg	2500	2430	97	70-130	
Chloroethane	ug/kg	2500	1800	72	19-170	
Chloroform	ug/kg	2500	2360	95	79-120	
Chloromethane	ug/kg	2500	2100	84	45-117	
cis-1,2-Dichloroethene	ug/kg	2500	2250	90	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2340	94	68-130	
Dibromochloromethane	ug/kg	2500	2140	86	70-130	
Dichlorodifluoromethane	ug/kg	2500	729	29	15-135	
Ethylbenzene	ug/kg	2500	2350	94	78-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2240	89	70-130	
m&p-Xylene	ug/kg	5000	4690	94	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2270	91	65-130	
Methylene Chloride	ug/kg	2500	2290	91	70-130	
o-Xylene	ug/kg	2500	2340	93	70-130	
Styrene	ug/kg	2500	2420	97	70-130	
Tetrachloroethene	ug/kg	2500	2070	83	70-130	
Toluene	ug/kg	2500	2460	99	76-120	
trans-1,2-Dichloroethene	ug/kg	2500	2270	91	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2350	94	70-130	
Trichloroethene	ug/kg	2500	2360	95	70-130	
Trichlorofluoromethane	ug/kg	2500	1760	70	49-153	
Vinyl chloride	ug/kg	2500	2210	88	58-121	
Xylene (Total)	ug/kg	7500	7030	94	70-130	
1,2-Dichlorobenzene-d4 (S)	%			108	82-158	
4-Bromofluorobenzene (S)	%			109	66-153	
Toluene-d8 (S)	%			101	67-159	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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QUALITY CONTROL DATA

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

QC Batch: 393009
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40231479002, 40231479003, 40231479004, 40231479005, 40231479006, 40231479007, 40231479008, 40231479009, 40231479010, 40231479011, 40231479012, 40231479013, 40231479014, 40231479015, 40231479016, 40231479017, 40231479018, 40231479019, 40231479020, 40231479021

METHOD BLANK: 2267379
Matrix: Solid
Associated Lab Samples: 40231479002, 40231479003, 40231479004, 40231479005, 40231479006, 40231479007, 40231479008, 40231479009, 40231479010, 40231479011, 40231479012, 40231479013, 40231479014, 40231479015, 40231479016, 40231479017, 40231479018, 40231479019, 40231479020, 40231479021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	08/16/21 09:00	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	08/16/21 09:00	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	08/16/21 09:00	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	08/16/21 09:00	
1,1-Dichloroethane	ug/kg	<12.8	50.0	08/16/21 09:00	
1,1-Dichloroethene	ug/kg	<16.6	50.0	08/16/21 09:00	
1,1-Dichloropropene	ug/kg	<16.2	50.0	08/16/21 09:00	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	08/16/21 09:00	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	08/16/21 09:00	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	08/16/21 09:00	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	08/16/21 09:00	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	08/16/21 09:00	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	08/16/21 09:00	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	08/16/21 09:00	
1,2-Dichloroethane	ug/kg	<11.5	50.0	08/16/21 09:00	
1,2-Dichloropropane	ug/kg	<11.9	50.0	08/16/21 09:00	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	08/16/21 09:00	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	08/16/21 09:00	
1,3-Dichloropropane	ug/kg	<10.9	50.0	08/16/21 09:00	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	08/16/21 09:00	
2,2-Dichloropropane	ug/kg	<13.5	50.0	08/16/21 09:00	
2-Chlorotoluene	ug/kg	<16.2	50.0	08/16/21 09:00	
4-Chlorotoluene	ug/kg	<19.0	50.0	08/16/21 09:00	
Benzene	ug/kg	<11.9	20.0	08/16/21 09:00	
Bromobenzene	ug/kg	<19.5	50.0	08/16/21 09:00	
Bromochloromethane	ug/kg	<13.7	50.0	08/16/21 09:00	
Bromodichloromethane	ug/kg	<11.9	50.0	08/16/21 09:00	
Bromoform	ug/kg	<220	250	08/16/21 09:00	
Bromomethane	ug/kg	<70.1	250	08/16/21 09:00	
Carbon tetrachloride	ug/kg	<11.0	50.0	08/16/21 09:00	
Chlorobenzene	ug/kg	<6.0	50.0	08/16/21 09:00	
Chloroethane	ug/kg	<21.1	250	08/16/21 09:00	
Chloroform	ug/kg	<35.8	250	08/16/21 09:00	
Chloromethane	ug/kg	<19.0	50.0	08/16/21 09:00	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	08/16/21 09:00	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	08/16/21 09:00	
Dibromochloromethane	ug/kg	<171	250	08/16/21 09:00	

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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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

METHOD BLANK: 2267379 Matrix: Solid

Associated Lab Samples: 40231479002, 40231479003, 40231479004, 40231479005, 40231479006, 40231479007, 40231479008, 40231479009, 40231479010, 40231479011, 40231479012, 40231479013, 40231479014, 40231479015, 40231479016, 40231479017, 40231479018, 40231479019, 40231479020, 40231479021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	<14.8	50.0	08/16/21 09:00	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	08/16/21 09:00	
Diisopropyl ether	ug/kg	<12.4	50.0	08/16/21 09:00	
Ethylbenzene	ug/kg	<11.9	50.0	08/16/21 09:00	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	08/16/21 09:00	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	08/16/21 09:00	
m&p-Xylene	ug/kg	<21.1	100	08/16/21 09:00	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	08/16/21 09:00	
Methylene Chloride	ug/kg	<13.9	50.0	08/16/21 09:00	
n-Butylbenzene	ug/kg	<22.9	50.0	08/16/21 09:00	
n-Propylbenzene	ug/kg	<12.0	50.0	08/16/21 09:00	
Naphthalene	ug/kg	<15.6	250	08/16/21 09:00	
o-Xylene	ug/kg	<15.0	50.0	08/16/21 09:00	
p-Isopropyltoluene	ug/kg	<15.2	50.0	08/16/21 09:00	
sec-Butylbenzene	ug/kg	<12.2	50.0	08/16/21 09:00	
Styrene	ug/kg	<12.8	50.0	08/16/21 09:00	
tert-Butylbenzene	ug/kg	<15.7	50.0	08/16/21 09:00	
Tetrachloroethene	ug/kg	<19.4	50.0	08/16/21 09:00	
Toluene	ug/kg	<12.6	50.0	08/16/21 09:00	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	08/16/21 09:00	
trans-1,3-Dichloropropene	ug/kg	<143	250	08/16/21 09:00	
Trichloroethene	ug/kg	<18.7	50.0	08/16/21 09:00	
Trichlorofluoromethane	ug/kg	<14.5	50.0	08/16/21 09:00	
Vinyl chloride	ug/kg	<10.1	50.0	08/16/21 09:00	
Xylene (Total)	ug/kg	<36.1	150	08/16/21 09:00	
1,2-Dichlorobenzene-d4 (S)	%	108	82-158	08/16/21 09:00	
4-Bromofluorobenzene (S)	%	110	66-153	08/16/21 09:00	
Toluene-d8 (S)	%	107	67-159	08/16/21 09:00	

LABORATORY CONTROL SAMPLE: 2267380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2520	101	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2870	115	65-129	
1,1,2-Trichloroethane	ug/kg	2500	2580	103	70-130	
1,1-Dichloroethane	ug/kg	2500	2630	105	70-130	
1,1-Dichloroethene	ug/kg	2500	2580	103	67-120	
1,2,4-Trichlorobenzene	ug/kg	2500	1940	77	64-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2410	97	57-119	
1,2-Dibromoethane (EDB)	ug/kg	2500	2530	101	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2610	104	70-130	
1,2-Dichloroethane	ug/kg	2500	2650	106	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

LABORATORY CONTROL SAMPLE: 2267380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/kg	2500	2710	108	72-118	
1,3-Dichlorobenzene	ug/kg	2500	2570	103	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2570	103	70-130	
Benzene	ug/kg	2500	2500	100	70-130	
Bromodichloromethane	ug/kg	2500	2510	100	70-130	
Bromoform	ug/kg	2500	2320	93	66-130	
Bromomethane	ug/kg	2500	2170	87	13-153	
Carbon tetrachloride	ug/kg	2500	2650	106	73-134	
Chlorobenzene	ug/kg	2500	2620	105	70-130	
Chloroethane	ug/kg	2500	2300	92	19-170	
Chloroform	ug/kg	2500	2690	108	79-120	
Chloromethane	ug/kg	2500	1670	67	45-117	
cis-1,2-Dichloroethene	ug/kg	2500	2440	98	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2490	100	68-130	
Dibromochloromethane	ug/kg	2500	2580	103	70-130	
Dichlorodifluoromethane	ug/kg	2500	847	34	15-135	
Ethylbenzene	ug/kg	2500	2420	97	78-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2330	93	70-130	
m&p-Xylene	ug/kg	5000	4870	97	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2430	97	65-130	
Methylene Chloride	ug/kg	2500	2530	101	70-130	
o-Xylene	ug/kg	2500	2460	98	70-130	
Styrene	ug/kg	2500	2570	103	70-130	
Tetrachloroethene	ug/kg	2500	2410	96	70-130	
Toluene	ug/kg	2500	2510	100	76-120	
trans-1,2-Dichloroethene	ug/kg	2500	2500	100	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2540	102	70-130	
Trichloroethene	ug/kg	2500	2630	105	70-130	
Trichlorofluoromethane	ug/kg	2500	2050	82	49-153	
Vinyl chloride	ug/kg	2500	1790	72	58-121	
Xylene (Total)	ug/kg	7500	7330	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	82-158	
4-Bromofluorobenzene (S)	%			106	66-153	
Toluene-d8 (S)	%			106	67-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2267381 2267382

Parameter	Units	40231479008 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	<16.9	1290	1290	1310	1180	102	91	70-130	11	20	
1,1,2,2-Tetrachloroethane	ug/kg	<24.0	1290	1290	1530	1480	118	114	65-129	3	20	
1,1,2-Trichloroethane	ug/kg	<24.1	1290	1290	1390	1410	107	109	70-130	2	20	
1,1-Dichloroethane	ug/kg	<16.9	1290	1290	1390	1390	108	108	70-130	0	20	
1,1-Dichloroethene	ug/kg	<22.0	1290	1290	1270	1280	99	99	64-120	0	20	
1,2,4-Trichlorobenzene	ug/kg	<54.5	1290	1290	1210	1110	94	86	64-130	8	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2267381 2267382

Parameter	Units	40231479008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/kg	<51.4	1290	1290	1300	1260	101	97	57-130	4	21	
1,2-Dibromoethane (EDB)	ug/kg	<18.1	1290	1290	1360	1370	105	106	70-130	1	20	
1,2-Dichlorobenzene	ug/kg	<20.5	1290	1290	1490	1480	115	114	70-130	1	20	
1,2-Dichloroethane	ug/kg	<15.2	1290	1290	1410	1450	109	112	70-130	2	20	
1,2-Dichloropropane	ug/kg	<15.7	1290	1290	1430	1470	110	114	72-122	3	20	
1,3-Dichlorobenzene	ug/kg	<18.1	1290	1290	1430	1410	111	109	70-130	1	20	
1,4-Dichlorobenzene	ug/kg	<18.1	1290	1290	1460	1370	113	106	70-130	7	20	
Benzene	ug/kg	<15.7	1290	1290	1310	1300	101	100	70-130	1	20	
Bromodichloromethane	ug/kg	<15.7	1290	1290	1280	1330	99	103	70-130	4	20	
Bromoform	ug/kg	<291	1290	1290	1180	1130	91	87	66-130	5	20	
Bromomethane	ug/kg	<92.8	1290	1290	1530	1490	119	115	13-153	3	20	
Carbon tetrachloride	ug/kg	<14.6	1290	1290	1240	1230	96	95	67-134	1	20	
Chlorobenzene	ug/kg	<7.9	1290	1290	1390	1440	107	111	70-130	4	20	
Chloroethane	ug/kg	<27.9	1290	1290	1560	1650	121	128	11-195	6	20	
Chloroform	ug/kg	<47.4	1290	1290	1450	1440	112	112	79-120	0	20	
Chloromethane	ug/kg	<25.1	1290	1290	1390	1350	107	104	30-136	3	20	
cis-1,2-Dichloroethene	ug/kg	<14.2	1290	1290	1300	1330	100	103	70-130	2	20	
cis-1,3-Dichloropropene	ug/kg	<43.7	1290	1290	1250	1340	97	103	68-130	7	20	
Dibromochloromethane	ug/kg	<226	1290	1290	1300	1310	100	101	70-130	1	20	
Dichlorodifluoromethane	ug/kg	<28.5	1290	1290	927	841	72	65	10-158	10	25	
Ethylbenzene	ug/kg	<15.7	1290	1290	1220	1260	94	98	78-120	3	20	
Isopropylbenzene (Cumene)	ug/kg	<17.9	1290	1290	1160	1220	89	94	70-130	5	20	
m&p-Xylene	ug/kg	<27.9	2590	2590	2410	2630	93	102	70-130	9	20	
Methyl-tert-butyl ether	ug/kg	<19.5	1290	1290	1300	1240	101	96	65-130	5	20	
Methylene Chloride	ug/kg	<18.4	1290	1290	1410	1370	109	106	70-130	3	20	
o-Xylene	ug/kg	<19.9	1290	1290	1270	1360	98	105	70-130	6	20	
Styrene	ug/kg	<16.9	1290	1290	1340	1380	103	107	70-130	3	20	
Tetrachloroethene	ug/kg	<25.7	1290	1290	1180	1120	92	87	70-130	5	20	
Toluene	ug/kg	<16.7	1290	1290	1270	1290	98	100	76-120	2	20	
trans-1,2-Dichloroethene	ug/kg	<14.3	1290	1290	1330	1340	103	104	70-130	1	20	
trans-1,3-Dichloropropene	ug/kg	<189	1290	1290	1310	1290	101	100	70-130	2	20	
Trichloroethene	ug/kg	<24.7	1290	1290	1290	1360	100	105	70-130	5	20	
Trichlorofluoromethane	ug/kg	<19.2	1290	1290	1100	1060	85	82	42-159	3	21	
Vinyl chloride	ug/kg	<13.4	1290	1290	1280	1200	99	93	43-137	6	20	
Xylene (Total)	ug/kg	<47.8	3880	3880	3680	3980	95	103	70-130	8	20	
1,2-Dichlorobenzene-d4 (S)	%						132	124	82-158			
4-Bromofluorobenzene (S)	%						139	136	66-153			
Toluene-d8 (S)	%						132	128	67-159			

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

QC Batch: 392922
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40231479002, 40231479003, 40231479004, 40231479005, 40231479006, 40231479007, 40231479008, 40231479009, 40231479010, 40231479011, 40231479012, 40231479013, 40231479014

SAMPLE DUPLICATE: 2266964

Parameter	Units	40231479003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.2	14.6	3	10	

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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

QC Batch: 392926
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40231479015, 40231479016, 40231479017, 40231479018, 40231479019, 40231479020, 40231479021

SAMPLE DUPLICATE: 2267020

Parameter	Units	40231479015 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.4	13.4	7	10	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231479

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40231479001	TB-02	EPA 5035/5030B	392891	EPA 8260	392893
40231479002	SP-5 (1-2')	EPA 5035/5030B	393009	EPA 8260	393011
40231479003	SP-5 (9-10')	EPA 5035/5030B	393009	EPA 8260	393011
40231479004	SP-5 (14-15')	EPA 5035/5030B	393009	EPA 8260	393011
40231479005	SP-5 (20-21')	EPA 5035/5030B	393009	EPA 8260	393011
40231479006	SP-4 (1-2')	EPA 5035/5030B	393009	EPA 8260	393011
40231479007	SP-4 (9-10')	EPA 5035/5030B	393009	EPA 8260	393011
40231479008	SP-4 (14-15')	EPA 5035/5030B	393009	EPA 8260	393011
40231479009	SP-4 (20-21')	EPA 5035/5030B	393009	EPA 8260	393011
40231479010	SP-3 (1-2')	EPA 5035/5030B	393009	EPA 8260	393011
40231479011	SP-3 (8-9')	EPA 5035/5030B	393009	EPA 8260	393011
40231479012	SP-3 (14-15')	EPA 5035/5030B	393009	EPA 8260	393011
40231479013	SP-3 (20-21')	EPA 5035/5030B	393009	EPA 8260	393011
40231479014	SP-2 (1-2')	EPA 5035/5030B	393009	EPA 8260	393011
40231479015	SP-2 (9-10')	EPA 5035/5030B	393009	EPA 8260	393011
40231479016	SP-2 (14-15')	EPA 5035/5030B	393009	EPA 8260	393011
40231479017	SP-2 (20-21')	EPA 5035/5030B	393009	EPA 8260	393011
40231479018	SP-1 (2-3')	EPA 5035/5030B	393009	EPA 8260	393011
40231479019	SP-1 (8-9')	EPA 5035/5030B	393009	EPA 8260	393011
40231479020	SP-1 (14-15')	EPA 5035/5030B	393009	EPA 8260	393011
40231479021	SP-1 (20-21')	EPA 5035/5030B	393009	EPA 8260	393011
40231479002	SP-5 (1-2')	ASTM D2974-87	392922		
40231479003	SP-5 (9-10')	ASTM D2974-87	392922		
40231479004	SP-5 (14-15')	ASTM D2974-87	392922		
40231479005	SP-5 (20-21')	ASTM D2974-87	392922		
40231479006	SP-4 (1-2')	ASTM D2974-87	392922		
40231479007	SP-4 (9-10')	ASTM D2974-87	392922		
40231479008	SP-4 (14-15')	ASTM D2974-87	392922		
40231479009	SP-4 (20-21')	ASTM D2974-87	392922		
40231479010	SP-3 (1-2')	ASTM D2974-87	392922		
40231479011	SP-3 (8-9')	ASTM D2974-87	392922		
40231479012	SP-3 (14-15')	ASTM D2974-87	392922		
40231479013	SP-3 (20-21')	ASTM D2974-87	392922		
40231479014	SP-2 (1-2')	ASTM D2974-87	392922		
40231479015	SP-2 (9-10')	ASTM D2974-87	392926		
40231479016	SP-2 (14-15')	ASTM D2974-87	392926		
40231479017	SP-2 (20-21')	ASTM D2974-87	392926		
40231479018	SP-1 (2-3')	ASTM D2974-87	392926		
40231479019	SP-1 (8-9')	ASTM D2974-87	392926		
40231479020	SP-1 (14-15')	ASTM D2974-87	392926		
40231479021	SP-1 (20-21')	ASTM D2974-87	392926		

(Please Print Clearly)

Company Name:	AECOM
Branch/Location:	Milwaukee, WI
Project Contact:	~~Tory Schultz~~ Lanette Altenbach
Phone:	414-944-6080
Project Number:	~~60485091 Task 1.2~~ 60657253
Project Name:	~~Schuster Drive Landfill~~ Former Doug Stanford
Project State:	WI
Sampled By (Print):	Keith Nielsen
Sampled By (Sign):	
PO #:	Regulatory Program: WDNR

Pace Analytical®
www.pacelabs.com

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

Page 1 of 2

COC No. 40251479

CHAIN OF CUSTODY

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

Quote #:	N/A
Mail To Contact:	~~Tory Schultz~~ Lanette Altenbach
Mail To Company:	AECOM
Mail To Address:	1555 N River Center Drive, STE 214 Milwaukee, WI 53212
Invoice To Contact:	~~Tory Schultz~~ USAPIMAGING@AECOM.com
Invoice To Company:	AECOM
Invoice To Address:	1555 N River Center Drive, STE 214 Milwaukee, WI 53212
Invoice To Phone:	414-944-6080

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

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

Matrix Codes

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

FILTERED? (YES/NO) PRESERVATION (CODE)*

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: Y/N	Pick Letter	VOCs 8260 (NR507 list)	% moisture	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
					N	F	A			Profile # 6313
1	TB-02	08.10.21	0835	S			2		methanol w/seal	
2	SP-5 (1-2')	"	0900	"			2	1	0.1 ppm	
3	SP-5 (9-10')	"	0905	"			2	1	0.2 ppm	
4	SP-5 (14-15')	"	0910	"			2	1	0.3 ppm	
5	SP-5 (20-21')	"	0915	"			2	1	0.4 ppm	
6	SP-4 (1-2')	"	0930	"			2	1	0.2 ppm	
7	SP-4 (9-10')	"	0935	"			2	1	0.3 ppm	
8	SP-4 (14-15')	"	0940	"			2	1	0.6 ppm	
9	SP-4 (20-21')	"	0945	"			2	1	0.4 ppm	
10	SP-3 (1-2')	"	1000	"			2	1	0.2 ppm	
11	SP-3 (8-9')	"	1005	"			2	1	0.7 ppm	
12	SP-3 (14-15')	"	1010	"			2	1	1.7 ppm	
13	SP-3 (20-21')	"	1015	"			2	1	3.2 ppm	

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

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

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature] AECOM	08.10.21 @ 1600		
CJ Logistics	8/11/21 0900	Will Contreras Pace	8/11/21 0900

PACE Project No. 40251479

Receipt Temp = 0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

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

COC No. 40251479

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	AECOM
Branch/Location:	Milwaukee, WI
Project Contact:	~~Tony Schultz~~ Lanelle Altenbach
Phone:	414-944-6080
Project Number:	~~60485084 T12~~ 60657253
Project Name:	~~Schuster Drive Landfill~~ Former Doug Stendall
Project State:	WI
Sampled By (Print):	Keith Nielsen
Sampled By (Sign):	
PO #:	Regulatory Program: WDNR

Quote #:	N/A
Mail To Contact:	~~Tony Schultz~~
Mail To Company:	AECOM
Mail To Address:	1555 N River Center Drive, STE 214 Milwaukee, WI 53212
Invoice To Contact:	~~Tony Schultz~~ USMAILINGCA@AECOM.com
Invoice To Company:	AECOM
Invoice To Address:	1555 N River Center Drive, STE 214 Milwaukee, WI 53212
Invoice To Phone:	414-944-6080

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

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

Matrix Codes

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

FILTERED? (YES/NO) PRESERVATION (CODE)*

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	Pick Letter	Analyses Requested: VOCs 8260 (WI001 list)	Analyses Requested: % moisture	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile # 6313
14	SP-2 (1-2')	08.10.21	1030	S	N	F	2	1	0.2 ppm		
15	SP-2 ~~(8-9')~~ (9-10')		1035				2	1	7.4 ppm		
16	SP-2 (14-15')		1040				2	1	35.7 ppm		
17	SP-2 (20-21')		1045				2	1	4.5 ppm		
18	SP-1 (2-3')		1100				2	1	67.9 ppm		
19	SP-1 (8-9')		1105				2	1	3081 ppm		
20	SP-1 (14-15')		1110				2	1	23.8 ppm		
21	SP-1 (20-21')	V	1115	V			2	1	338 ppm		

KEN
08.10.2021

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

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

Email #1:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
AECOM	08.10.21 @ 1600		
CS Logistics	8/11/21 0900	Will Contreras Pace	8/11/21 0900

PACE Project No. 40251479

Receipt Temp = 0 °C

Sample Receipt pH (OK) Adjusted

Cooler Custody Seal Present / Not Present

Intact / Not Intact

Version 6.0 06/14/06

C010a(27Jun2006)

Sample Preservation Receipt Form

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

Client Name: AECOM MKE Project # 40231479

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	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN						
001																		2					1									2.5 / 5 / 10
002																		2					1									2.5 / 5 / 10
003																		2					1									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					1									2.5 / 5 / 10
020																		2					1									2.5 / 5 / 10

LC 8/11/21

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

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

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

Sample Preservation Receipt Form

Client Name: AEcom Project #: 40231479

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	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN							
21																		2					1										2.5 / 5 / 10
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DC 8/11/21

Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: AECOM MKE

WO#: 40231479

40231479

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 - 11 **Type of Ice:** Wet Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0 /Corr: 0

Person examining contents:
Date: 8/11/21 /Initials: WC

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

Labeled By Initials: MP

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
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: 8/11/21 13:15
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.
-Includes date/time/ID/Analysis Matrix: S		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 463		

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

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

Page 3 of 3

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

August 13, 2021

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

RE: Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Dear Lanette Altenbach:

Enclosed are the analytical results for sample(s) received by the laboratory on August 11, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,

Christopher Hyska

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

Enclosures

cc: Keith Nielsen, AECOM

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CERTIFICATIONS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40231486001	**TB-01**	Water	08/09/21 08:30	08/11/21 09:10
40231486002	**MW-A3**	Water	08/09/21 09:52	08/11/21 09:10
40231486003	**MW-A2**	Water	08/09/21 10:35	08/11/21 09:10
40231486004	**MW-A5**	Water	08/09/21 11:05	08/11/21 09:10
40231486005	**MW-A6**	Water	08/09/21 11:40	08/11/21 09:10
40231486006	**MW-6**	Water	08/09/21 12:30	08/11/21 09:10
40231486007	**MW-5**	Water	08/09/21 12:55	08/11/21 09:10
40231486008	**PZ-6**	Water	08/09/21 13:25	08/11/21 09:10
40231486009	**MW-A1**	Water	08/09/21 13:50	08/11/21 09:10
40231486010	**MW-2A**	Water	08/09/21 14:15	08/11/21 09:10
40231486011	**MW-2A DUP**	Water	08/09/21 14:15	08/11/21 09:10
40231486012	**MW-2B**	Water	08/10/21 00:00	08/11/21 09:10
40231486013	**MW-A4**	Water	08/10/21 08:30	08/11/21 09:00

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SAMPLE ANALYTE COUNT

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40231486001	**TB-01**	EPA 8260	LAP	65	PASI-G
40231486002	**MW-A3**	EPA 8260	LAP	65	PASI-G
40231486003	**MW-A2**	EPA 8260	LAP	65	PASI-G
40231486004	**MW-A5**	EPA 8260	LAP	65	PASI-G
40231486005	**MW-A6**	EPA 8260	LAP	65	PASI-G
40231486006	**MW-6**	EPA 8260	LAP	65	PASI-G
40231486007	**MW-5**	EPA 8260	LAP	65	PASI-G
40231486008	**PZ-6**	EPA 8260	LAP	65	PASI-G
40231486009	**MW-A1**	EPA 8260	LAP	65	PASI-G
40231486010	**MW-2A**	EPA 8260	LAP	65	PASI-G
40231486011	**MW-2A DUP**	EPA 8260	LAP	65	PASI-G
40231486012	**MW-2B**	EPA 8260	LAP	65	PASI-G
40231486013	**MW-A4**	EPA 8260	LAP	65	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40231486002	**MW-A3**					
EPA 8260	1,2-Dichloroethane	0.47J	ug/L	1.0	08/12/21 23:50	
EPA 8260	cis-1,2-Dichloroethene	4.7	ug/L	1.0	08/12/21 23:50	
EPA 8260	trans-1,2-Dichloroethene	0.59J	ug/L	1.0	08/12/21 23:50	
EPA 8260	Trichloroethene	44.0	ug/L	1.0	08/12/21 23:50	
40231486003	**MW-A2**					
EPA 8260	Trichloroethene	7.9	ug/L	1.0	08/13/21 00:10	
40231486004	**MW-A5**					
EPA 8260	Trichloroethene	1.1	ug/L	1.0	08/13/21 00:30	
40231486005	**MW-A6**					
EPA 8260	Trichloroethene	2.4	ug/L	1.0	08/13/21 00:49	
40231486006	**MW-6**					
EPA 8260	1,2-Dichloroethane	1.2	ug/L	1.0	08/12/21 23:31	
EPA 8260	cis-1,2-Dichloroethene	10.9	ug/L	1.0	08/12/21 23:31	
EPA 8260	Trichloroethene	18.3	ug/L	1.0	08/12/21 23:31	
40231486007	**MW-5**					
EPA 8260	Benzene	0.85J	ug/L	1.0	08/12/21 23:11	
EPA 8260	n-Butylbenzene	1.7	ug/L	1.0	08/12/21 23:11	
EPA 8260	sec-Butylbenzene	5.4	ug/L	1.0	08/12/21 23:11	
EPA 8260	cis-1,2-Dichloroethene	2.5	ug/L	1.0	08/12/21 23:11	
EPA 8260	Ethylbenzene	19.8	ug/L	1.0	08/12/21 23:11	M1
EPA 8260	Isopropylbenzene (Cumene)	9.7	ug/L	5.0	08/12/21 23:11	
EPA 8260	Naphthalene	4.2J	ug/L	5.0	08/12/21 23:11	
EPA 8260	n-Propylbenzene	13.9	ug/L	1.0	08/12/21 23:11	
EPA 8260	1,2,4-Trimethylbenzene	5.9	ug/L	1.0	08/12/21 23:11	
EPA 8260	1,3,5-Trimethylbenzene	13.3	ug/L	1.0	08/12/21 23:11	
EPA 8260	Xylene (Total)	19.0	ug/L	3.0	08/12/21 23:11	
EPA 8260	m&p-Xylene	18.7	ug/L	2.0	08/12/21 23:11	
40231486008	**PZ-6**					
EPA 8260	1,2-Dichloroethane	22.1	ug/L	1.0	08/13/21 01:09	
EPA 8260	1,1-Dichloroethene	0.64J	ug/L	1.0	08/13/21 01:09	
EPA 8260	cis-1,2-Dichloroethene	14.2	ug/L	1.0	08/13/21 01:09	
EPA 8260	Methyl-tert-butyl ether	2.3J	ug/L	5.0	08/13/21 01:09	
EPA 8260	Trichloroethene	54.8	ug/L	1.0	08/13/21 01:09	
40231486009	**MW-A1**					
EPA 8260	Benzene	422	ug/L	5.0	08/13/21 02:47	
EPA 8260	n-Butylbenzene	11.6	ug/L	5.0	08/13/21 02:47	
EPA 8260	sec-Butylbenzene	4.1J	ug/L	5.0	08/13/21 02:47	
EPA 8260	Ethylbenzene	699	ug/L	5.0	08/13/21 02:47	
EPA 8260	Isopropylbenzene (Cumene)	33.4	ug/L	25.0	08/13/21 02:47	
EPA 8260	Naphthalene	86.4	ug/L	25.0	08/13/21 02:47	
EPA 8260	n-Propylbenzene	86.6	ug/L	5.0	08/13/21 02:47	
EPA 8260	Toluene	480	ug/L	5.0	08/13/21 02:47	
EPA 8260	1,2,4-Trimethylbenzene	453	ug/L	5.0	08/13/21 02:47	

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SUMMARY OF DETECTION

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40231486009	**MW-A1**					
EPA 8260	1,3,5-Trimethylbenzene	107	ug/L	5.0	08/13/21 02:47	
EPA 8260	Xylene (Total)	1550	ug/L	15.0	08/13/21 02:47	
EPA 8260	m&p-Xylene	1430	ug/L	10.0	08/13/21 02:47	
EPA 8260	o-Xylene	118	ug/L	5.0	08/13/21 02:47	
40231486010	**MW-2A**					
EPA 8260	Benzene	15.7	ug/L	5.0	08/13/21 02:27	
EPA 8260	n-Butylbenzene	11.6	ug/L	5.0	08/13/21 02:27	
EPA 8260	sec-Butylbenzene	4.5J	ug/L	5.0	08/13/21 02:27	
EPA 8260	Ethylbenzene	556	ug/L	5.0	08/13/21 02:27	
EPA 8260	Isopropylbenzene (Cumene)	41.2	ug/L	25.0	08/13/21 02:27	
EPA 8260	Naphthalene	120	ug/L	25.0	08/13/21 02:27	
EPA 8260	n-Propylbenzene	102	ug/L	5.0	08/13/21 02:27	
EPA 8260	Toluene	30.1	ug/L	5.0	08/13/21 02:27	
EPA 8260	1,2,4-Trimethylbenzene	497	ug/L	5.0	08/13/21 02:27	
EPA 8260	1,3,5-Trimethylbenzene	82.3	ug/L	5.0	08/13/21 02:27	
EPA 8260	Xylene (Total)	958	ug/L	15.0	08/13/21 02:27	
EPA 8260	m&p-Xylene	907	ug/L	10.0	08/13/21 02:27	
EPA 8260	o-Xylene	51.4	ug/L	5.0	08/13/21 02:27	
40231486011	**MW-2A DUP**					
EPA 8260	Benzene	17.3	ug/L	5.0	08/13/21 02:08	
EPA 8260	n-Butylbenzene	12.9	ug/L	5.0	08/13/21 02:08	
EPA 8260	Ethylbenzene	631	ug/L	5.0	08/13/21 02:08	
EPA 8260	Isopropylbenzene (Cumene)	47.3	ug/L	25.0	08/13/21 02:08	
EPA 8260	Naphthalene	138	ug/L	25.0	08/13/21 02:08	
EPA 8260	n-Propylbenzene	116	ug/L	5.0	08/13/21 02:08	
EPA 8260	Toluene	30.8	ug/L	5.0	08/13/21 02:08	
EPA 8260	1,2,4-Trimethylbenzene	593	ug/L	5.0	08/13/21 02:08	
EPA 8260	1,3,5-Trimethylbenzene	99.3	ug/L	5.0	08/13/21 02:08	
EPA 8260	Xylene (Total)	1100	ug/L	15.0	08/13/21 02:08	
EPA 8260	m&p-Xylene	1040	ug/L	10.0	08/13/21 02:08	
EPA 8260	o-Xylene	57.9	ug/L	5.0	08/13/21 02:08	
40231486012	**MW-2B**					
EPA 8260	Benzene	22.1	ug/L	1.0	08/13/21 01:28	
EPA 8260	n-Butylbenzene	10.6	ug/L	1.0	08/13/21 01:28	
EPA 8260	sec-Butylbenzene	5.7	ug/L	1.0	08/13/21 01:28	
EPA 8260	Ethylbenzene	439	ug/L	5.0	08/13/21 14:01	
EPA 8260	Isopropylbenzene (Cumene)	46.8	ug/L	5.0	08/13/21 01:28	
EPA 8260	p-Isopropyltoluene	2.3J	ug/L	5.0	08/13/21 01:28	
EPA 8260	Naphthalene	102	ug/L	5.0	08/13/21 01:28	
EPA 8260	n-Propylbenzene	99.1	ug/L	1.0	08/13/21 01:28	
EPA 8260	Toluene	27.2	ug/L	1.0	08/13/21 01:28	
EPA 8260	1,2,4-Trimethylbenzene	404	ug/L	5.0	08/13/21 14:01	
EPA 8260	1,3,5-Trimethylbenzene	71.0	ug/L	1.0	08/13/21 01:28	
EPA 8260	Xylene (Total)	746	ug/L	15.0	08/13/21 14:01	
EPA 8260	m&p-Xylene	705	ug/L	10.0	08/13/21 14:01	
EPA 8260	o-Xylene	40.5	ug/L	1.0	08/13/21 01:28	

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ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: TB-01 **Lab ID: 40231486001** Collected: 08/09/21 08:30 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		08/12/21 14:32	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 14:32	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/12/21 14:32	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		08/12/21 14:32	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		08/12/21 14:32	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		08/12/21 14:32	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		08/12/21 14:32	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		08/12/21 14:32	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		08/12/21 14:32	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		08/12/21 14:32	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		08/12/21 14:32	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		08/12/21 14:32	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		08/12/21 14:32	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		08/12/21 14:32	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/12/21 14:32	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/12/21 14:32	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		08/12/21 14:32	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		08/12/21 14:32	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		08/12/21 14:32	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		08/12/21 14:32	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		08/12/21 14:32	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		08/12/21 14:32	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		08/12/21 14:32	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		08/12/21 14:32	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/12/21 14:32	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		08/12/21 14:32	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		08/12/21 14:32	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		08/12/21 14:32	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		08/12/21 14:32	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		08/12/21 14:32	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		08/12/21 14:32	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		08/12/21 14:32	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		08/12/21 14:32	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 14:32	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		08/12/21 14:32	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		08/12/21 14:32	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		08/12/21 14:32	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		08/12/21 14:32	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		08/12/21 14:32	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		08/12/21 14:32	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		08/12/21 14:32	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		08/12/21 14:32	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		08/12/21 14:32	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		08/12/21 14:32	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 14:32	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: TB-01 **Lab ID: 40231486001** Collected: 08/09/21 08:30 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		08/12/21 14:32	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		08/12/21 14:32	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		08/12/21 14:32	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		08/12/21 14:32	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		08/12/21 14:32	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/12/21 14:32	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/12/21 14:32	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		08/12/21 14:32	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		08/12/21 14:32	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		08/12/21 14:32	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		08/12/21 14:32	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		08/12/21 14:32	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 14:32	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/12/21 14:32	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		08/12/21 14:32	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		08/12/21 14:32	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		08/12/21 14:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		08/12/21 14:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		08/12/21 14:32	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		08/12/21 14:32	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-A3 **Lab ID: 40231486002** Collected: 08/09/21 09:52 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		08/12/21 23:50	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 23:50	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/12/21 23:50	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		08/12/21 23:50	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		08/12/21 23:50	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		08/12/21 23:50	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		08/12/21 23:50	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		08/12/21 23:50	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		08/12/21 23:50	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		08/12/21 23:50	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		08/12/21 23:50	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		08/12/21 23:50	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		08/12/21 23:50	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		08/12/21 23:50	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/12/21 23:50	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/12/21 23:50	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		08/12/21 23:50	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		08/12/21 23:50	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		08/12/21 23:50	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		08/12/21 23:50	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		08/12/21 23:50	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		08/12/21 23:50	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		08/12/21 23:50	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		08/12/21 23:50	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/12/21 23:50	75-34-3	
1,2-Dichloroethane	**0.47J**	ug/L	1.0	0.29	1		08/12/21 23:50	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		08/12/21 23:50	75-35-4	
cis-1,2-Dichloroethene	**4.7**	ug/L	1.0	0.47	1		08/12/21 23:50	156-59-2	
trans-1,2-Dichloroethene	**0.59J**	ug/L	1.0	0.53	1		08/12/21 23:50	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		08/12/21 23:50	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		08/12/21 23:50	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		08/12/21 23:50	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		08/12/21 23:50	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 23:50	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		08/12/21 23:50	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		08/12/21 23:50	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		08/12/21 23:50	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		08/12/21 23:50	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		08/12/21 23:50	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		08/12/21 23:50	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		08/12/21 23:50	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		08/12/21 23:50	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		08/12/21 23:50	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		08/12/21 23:50	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 23:50	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-A3 **Lab ID: 40231486002** Collected: 08/09/21 09:52 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		08/12/21 23:50	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		08/12/21 23:50	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		08/12/21 23:50	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		08/12/21 23:50	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		08/12/21 23:50	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/12/21 23:50	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/12/21 23:50	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		08/12/21 23:50	79-00-5	
Trichloroethene	**44.0**	ug/L	1.0	0.32	1		08/12/21 23:50	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		08/12/21 23:50	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		08/12/21 23:50	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		08/12/21 23:50	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 23:50	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/12/21 23:50	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		08/12/21 23:50	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		08/12/21 23:50	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		08/12/21 23:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		08/12/21 23:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		08/12/21 23:50	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		08/12/21 23:50	2037-26-5	

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ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-A2 **Lab ID: 40231486003** Collected: 08/09/21 10:35 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		08/13/21 00:10	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:10	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/13/21 00:10	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		08/13/21 00:10	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		08/13/21 00:10	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		08/13/21 00:10	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		08/13/21 00:10	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		08/13/21 00:10	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		08/13/21 00:10	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		08/13/21 00:10	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		08/13/21 00:10	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		08/13/21 00:10	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		08/13/21 00:10	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		08/13/21 00:10	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/13/21 00:10	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/13/21 00:10	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		08/13/21 00:10	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		08/13/21 00:10	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		08/13/21 00:10	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		08/13/21 00:10	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		08/13/21 00:10	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 00:10	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		08/13/21 00:10	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		08/13/21 00:10	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 00:10	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		08/13/21 00:10	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		08/13/21 00:10	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		08/13/21 00:10	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		08/13/21 00:10	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		08/13/21 00:10	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 00:10	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		08/13/21 00:10	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		08/13/21 00:10	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:10	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		08/13/21 00:10	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		08/13/21 00:10	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		08/13/21 00:10	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		08/13/21 00:10	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		08/13/21 00:10	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		08/13/21 00:10	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		08/13/21 00:10	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		08/13/21 00:10	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		08/13/21 00:10	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 00:10	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:10	100-42-5	

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ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-A2 **Lab ID: 40231486003** Collected: 08/09/21 10:35 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:10	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		08/13/21 00:10	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		08/13/21 00:10	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		08/13/21 00:10	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		08/13/21 00:10	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/13/21 00:10	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 00:10	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		08/13/21 00:10	79-00-5	
Trichloroethene	**7.9**	ug/L	1.0	0.32	1		08/13/21 00:10	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		08/13/21 00:10	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		08/13/21 00:10	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		08/13/21 00:10	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:10	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/13/21 00:10	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		08/13/21 00:10	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		08/13/21 00:10	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 00:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		08/13/21 00:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		08/13/21 00:10	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		08/13/21 00:10	2037-26-5	

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ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-A5 **Lab ID: 40231486004** Collected: 08/09/21 11:05 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		08/13/21 00:30	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:30	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/13/21 00:30	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		08/13/21 00:30	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		08/13/21 00:30	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		08/13/21 00:30	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		08/13/21 00:30	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		08/13/21 00:30	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		08/13/21 00:30	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		08/13/21 00:30	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		08/13/21 00:30	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		08/13/21 00:30	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		08/13/21 00:30	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		08/13/21 00:30	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/13/21 00:30	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/13/21 00:30	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		08/13/21 00:30	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		08/13/21 00:30	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		08/13/21 00:30	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		08/13/21 00:30	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		08/13/21 00:30	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 00:30	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		08/13/21 00:30	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		08/13/21 00:30	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 00:30	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		08/13/21 00:30	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		08/13/21 00:30	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		08/13/21 00:30	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		08/13/21 00:30	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		08/13/21 00:30	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 00:30	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		08/13/21 00:30	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		08/13/21 00:30	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:30	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		08/13/21 00:30	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		08/13/21 00:30	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		08/13/21 00:30	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		08/13/21 00:30	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		08/13/21 00:30	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		08/13/21 00:30	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		08/13/21 00:30	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		08/13/21 00:30	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		08/13/21 00:30	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 00:30	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:30	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-A5 **Lab ID: 40231486004** Collected: 08/09/21 11:05 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:30	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		08/13/21 00:30	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		08/13/21 00:30	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		08/13/21 00:30	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		08/13/21 00:30	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/13/21 00:30	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 00:30	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		08/13/21 00:30	79-00-5	
Trichloroethene	**1.1**	ug/L	1.0	0.32	1		08/13/21 00:30	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		08/13/21 00:30	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		08/13/21 00:30	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		08/13/21 00:30	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:30	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/13/21 00:30	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		08/13/21 00:30	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		08/13/21 00:30	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 00:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		08/13/21 00:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		08/13/21 00:30	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		08/13/21 00:30	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-A6 **Lab ID: 40231486005** Collected: 08/09/21 11:40 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		08/13/21 00:49	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:49	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/13/21 00:49	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		08/13/21 00:49	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		08/13/21 00:49	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		08/13/21 00:49	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		08/13/21 00:49	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		08/13/21 00:49	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		08/13/21 00:49	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		08/13/21 00:49	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		08/13/21 00:49	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		08/13/21 00:49	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		08/13/21 00:49	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		08/13/21 00:49	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/13/21 00:49	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/13/21 00:49	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		08/13/21 00:49	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		08/13/21 00:49	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		08/13/21 00:49	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		08/13/21 00:49	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		08/13/21 00:49	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 00:49	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		08/13/21 00:49	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		08/13/21 00:49	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 00:49	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		08/13/21 00:49	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		08/13/21 00:49	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		08/13/21 00:49	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		08/13/21 00:49	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		08/13/21 00:49	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 00:49	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		08/13/21 00:49	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		08/13/21 00:49	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:49	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		08/13/21 00:49	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		08/13/21 00:49	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		08/13/21 00:49	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		08/13/21 00:49	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		08/13/21 00:49	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		08/13/21 00:49	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		08/13/21 00:49	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		08/13/21 00:49	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		08/13/21 00:49	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 00:49	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:49	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-A6 **Lab ID: 40231486005** Collected: 08/09/21 11:40 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:49	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		08/13/21 00:49	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		08/13/21 00:49	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		08/13/21 00:49	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		08/13/21 00:49	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/13/21 00:49	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 00:49	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		08/13/21 00:49	79-00-5	
Trichloroethene	**2.4**	ug/L	1.0	0.32	1		08/13/21 00:49	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		08/13/21 00:49	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		08/13/21 00:49	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		08/13/21 00:49	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 00:49	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/13/21 00:49	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		08/13/21 00:49	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		08/13/21 00:49	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 00:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		08/13/21 00:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		08/13/21 00:49	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		08/13/21 00:49	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-6 **Lab ID: 40231486006** Collected: 08/09/21 12:30 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		08/12/21 23:31	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 23:31	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/12/21 23:31	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		08/12/21 23:31	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		08/12/21 23:31	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		08/12/21 23:31	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		08/12/21 23:31	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		08/12/21 23:31	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		08/12/21 23:31	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		08/12/21 23:31	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		08/12/21 23:31	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		08/12/21 23:31	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		08/12/21 23:31	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		08/12/21 23:31	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/12/21 23:31	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/12/21 23:31	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		08/12/21 23:31	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		08/12/21 23:31	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		08/12/21 23:31	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		08/12/21 23:31	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		08/12/21 23:31	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		08/12/21 23:31	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		08/12/21 23:31	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		08/12/21 23:31	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/12/21 23:31	75-34-3	
1,2-Dichloroethane	**1.2**	ug/L	1.0	0.29	1		08/12/21 23:31	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		08/12/21 23:31	75-35-4	
cis-1,2-Dichloroethene	**10.9**	ug/L	1.0	0.47	1		08/12/21 23:31	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		08/12/21 23:31	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		08/12/21 23:31	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		08/12/21 23:31	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		08/12/21 23:31	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		08/12/21 23:31	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 23:31	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		08/12/21 23:31	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		08/12/21 23:31	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		08/12/21 23:31	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		08/12/21 23:31	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		08/12/21 23:31	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		08/12/21 23:31	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		08/12/21 23:31	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		08/12/21 23:31	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		08/12/21 23:31	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		08/12/21 23:31	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 23:31	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-6 **Lab ID: 40231486006** Collected: 08/09/21 12:30 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		08/12/21 23:31	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		08/12/21 23:31	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		08/12/21 23:31	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		08/12/21 23:31	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		08/12/21 23:31	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/12/21 23:31	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/12/21 23:31	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		08/12/21 23:31	79-00-5	
Trichloroethene	**18.3**	ug/L	1.0	0.32	1		08/12/21 23:31	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		08/12/21 23:31	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		08/12/21 23:31	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		08/12/21 23:31	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 23:31	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/12/21 23:31	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		08/12/21 23:31	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		08/12/21 23:31	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		08/12/21 23:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		08/12/21 23:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		08/12/21 23:31	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		08/12/21 23:31	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-5 **Lab ID: 40231486007** Collected: 08/09/21 12:55 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**0.85J**	ug/L	1.0	0.30	1		08/12/21 23:11	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 23:11	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/12/21 23:11	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		08/12/21 23:11	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		08/12/21 23:11	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		08/12/21 23:11	74-83-9	
n-Butylbenzene	**1.7**	ug/L	1.0	0.86	1		08/12/21 23:11	104-51-8	
sec-Butylbenzene	**5.4**	ug/L	1.0	0.42	1		08/12/21 23:11	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		08/12/21 23:11	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		08/12/21 23:11	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		08/12/21 23:11	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		08/12/21 23:11	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		08/12/21 23:11	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		08/12/21 23:11	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/12/21 23:11	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/12/21 23:11	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		08/12/21 23:11	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		08/12/21 23:11	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		08/12/21 23:11	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		08/12/21 23:11	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		08/12/21 23:11	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		08/12/21 23:11	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		08/12/21 23:11	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		08/12/21 23:11	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/12/21 23:11	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		08/12/21 23:11	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		08/12/21 23:11	75-35-4	
cis-1,2-Dichloroethene	**2.5**	ug/L	1.0	0.47	1		08/12/21 23:11	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		08/12/21 23:11	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		08/12/21 23:11	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		08/12/21 23:11	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		08/12/21 23:11	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		08/12/21 23:11	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 23:11	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		08/12/21 23:11	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		08/12/21 23:11	108-20-3	
Ethylbenzene	**19.8**	ug/L	1.0	0.33	1		08/12/21 23:11	100-41-4	M1
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		08/12/21 23:11	87-68-3	
Isopropylbenzene (Cumene)	**9.7**	ug/L	5.0	1.0	1		08/12/21 23:11	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		08/12/21 23:11	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		08/12/21 23:11	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		08/12/21 23:11	1634-04-4	
Naphthalene	**4.2J**	ug/L	5.0	1.1	1		08/12/21 23:11	91-20-3	
n-Propylbenzene	**13.9**	ug/L	1.0	0.35	1		08/12/21 23:11	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		08/12/21 23:11	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-5 **Lab ID: 40231486007** Collected: 08/09/21 12:55 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		08/12/21 23:11	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		08/12/21 23:11	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		08/12/21 23:11	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		08/12/21 23:11	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		08/12/21 23:11	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/12/21 23:11	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/12/21 23:11	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		08/12/21 23:11	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		08/12/21 23:11	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		08/12/21 23:11	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		08/12/21 23:11	96-18-4	
1,2,4-Trimethylbenzene	**5.9**	ug/L	1.0	0.45	1		08/12/21 23:11	95-63-6	
1,3,5-Trimethylbenzene	**13.3**	ug/L	1.0	0.36	1		08/12/21 23:11	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/12/21 23:11	75-01-4	
Xylene (Total)	**19.0**	ug/L	3.0	1.0	1		08/12/21 23:11	1330-20-7	
m&p-Xylene	**18.7**	ug/L	2.0	0.70	1		08/12/21 23:11	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		08/12/21 23:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		08/12/21 23:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		08/12/21 23:11	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		08/12/21 23:11	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: PZ-6 **Lab ID: 40231486008** Collected: 08/09/21 13:25 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		08/13/21 01:09	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 01:09	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/13/21 01:09	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		08/13/21 01:09	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		08/13/21 01:09	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		08/13/21 01:09	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		08/13/21 01:09	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		08/13/21 01:09	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		08/13/21 01:09	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		08/13/21 01:09	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		08/13/21 01:09	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		08/13/21 01:09	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		08/13/21 01:09	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		08/13/21 01:09	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/13/21 01:09	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/13/21 01:09	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		08/13/21 01:09	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		08/13/21 01:09	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		08/13/21 01:09	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		08/13/21 01:09	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		08/13/21 01:09	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 01:09	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		08/13/21 01:09	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		08/13/21 01:09	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 01:09	75-34-3	
1,2-Dichloroethane	**22.1**	ug/L	1.0	0.29	1		08/13/21 01:09	107-06-2	
1,1-Dichloroethene	**0.64J**	ug/L	1.0	0.58	1		08/13/21 01:09	75-35-4	
cis-1,2-Dichloroethene	**14.2**	ug/L	1.0	0.47	1		08/13/21 01:09	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		08/13/21 01:09	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		08/13/21 01:09	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 01:09	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		08/13/21 01:09	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		08/13/21 01:09	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 01:09	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		08/13/21 01:09	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		08/13/21 01:09	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		08/13/21 01:09	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		08/13/21 01:09	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		08/13/21 01:09	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		08/13/21 01:09	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		08/13/21 01:09	75-09-2	
Methyl-tert-butyl ether	**2.3J**	ug/L	5.0	1.1	1		08/13/21 01:09	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		08/13/21 01:09	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 01:09	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 01:09	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: PZ-6 **Lab ID: 40231486008** Collected: 08/09/21 13:25 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		08/13/21 01:09	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		08/13/21 01:09	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		08/13/21 01:09	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		08/13/21 01:09	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		08/13/21 01:09	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/13/21 01:09	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 01:09	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		08/13/21 01:09	79-00-5	
Trichloroethene	**54.8**	ug/L	1.0	0.32	1		08/13/21 01:09	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		08/13/21 01:09	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		08/13/21 01:09	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		08/13/21 01:09	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 01:09	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/13/21 01:09	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		08/13/21 01:09	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		08/13/21 01:09	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 01:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		08/13/21 01:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		08/13/21 01:09	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		08/13/21 01:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-A1 **Lab ID: 40231486009** Collected: 08/09/21 13:50 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**422**	ug/L	5.0	1.5	5		08/13/21 02:47	71-43-2	
Bromobenzene	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:47	108-86-1	
Bromochloromethane	**<1.8**	ug/L	25.0	1.8	5		08/13/21 02:47	74-97-5	
Bromodichloromethane	**<2.1**	ug/L	5.0	2.1	5		08/13/21 02:47	75-27-4	
Bromoform	**<19.0**	ug/L	25.0	19.0	5		08/13/21 02:47	75-25-2	
Bromomethane	**<6.0**	ug/L	25.0	6.0	5		08/13/21 02:47	74-83-9	
n-Butylbenzene	**11.6**	ug/L	5.0	4.3	5		08/13/21 02:47	104-51-8	
sec-Butylbenzene	**4.1J**	ug/L	5.0	2.1	5		08/13/21 02:47	135-98-8	
tert-Butylbenzene	**<2.9**	ug/L	5.0	2.9	5		08/13/21 02:47	98-06-6	
Carbon tetrachloride	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:47	56-23-5	
Chlorobenzene	**<4.3**	ug/L	5.0	4.3	5		08/13/21 02:47	108-90-7	
Chloroethane	**<6.9**	ug/L	25.0	6.9	5		08/13/21 02:47	75-00-3	
Chloroform	**<5.9**	ug/L	25.0	5.9	5		08/13/21 02:47	67-66-3	
Chloromethane	**<8.2**	ug/L	25.0	8.2	5		08/13/21 02:47	74-87-3	
2-Chlorotoluene	**<4.4**	ug/L	25.0	4.4	5		08/13/21 02:47	95-49-8	
4-Chlorotoluene	**<4.5**	ug/L	25.0	4.5	5		08/13/21 02:47	106-43-4	
1,2-Dibromo-3-chloropropane	**<11.8**	ug/L	25.0	11.8	5		08/13/21 02:47	96-12-8	
Dibromochloromethane	**<13.2**	ug/L	25.0	13.2	5		08/13/21 02:47	124-48-1	
1,2-Dibromoethane (EDB)	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:47	106-93-4	
Dibromomethane	**<5.0**	ug/L	25.0	5.0	5		08/13/21 02:47	74-95-3	
1,2-Dichlorobenzene	**<1.6**	ug/L	5.0	1.6	5		08/13/21 02:47	95-50-1	
1,3-Dichlorobenzene	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:47	541-73-1	
1,4-Dichlorobenzene	**<4.5**	ug/L	5.0	4.5	5		08/13/21 02:47	106-46-7	
Dichlorodifluoromethane	**<2.3**	ug/L	25.0	2.3	5		08/13/21 02:47	75-71-8	
1,1-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:47	75-34-3	
1,2-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:47	107-06-2	
1,1-Dichloroethene	**<2.9**	ug/L	5.0	2.9	5		08/13/21 02:47	75-35-4	
cis-1,2-Dichloroethene	**<2.4**	ug/L	5.0	2.4	5		08/13/21 02:47	156-59-2	
trans-1,2-Dichloroethene	**<2.6**	ug/L	5.0	2.6	5		08/13/21 02:47	156-60-5	
1,2-Dichloropropane	**<2.2**	ug/L	5.0	2.2	5		08/13/21 02:47	78-87-5	
1,3-Dichloropropane	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:47	142-28-9	
2,2-Dichloropropane	**<20.9**	ug/L	25.0	20.9	5		08/13/21 02:47	594-20-7	
1,1-Dichloropropene	**<2.1**	ug/L	5.0	2.1	5		08/13/21 02:47	563-58-6	
cis-1,3-Dichloropropene	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:47	10061-01-5	
trans-1,3-Dichloropropene	**<17.3**	ug/L	25.0	17.3	5		08/13/21 02:47	10061-02-6	
Diisopropyl ether	**<5.5**	ug/L	25.0	5.5	5		08/13/21 02:47	108-20-3	
Ethylbenzene	**699**	ug/L	5.0	1.6	5		08/13/21 02:47	100-41-4	
Hexachloro-1,3-butadiene	**<13.7**	ug/L	25.0	13.7	5		08/13/21 02:47	87-68-3	
Isopropylbenzene (Cumene)	**33.4**	ug/L	25.0	5.0	5		08/13/21 02:47	98-82-8	
p-Isopropyltoluene	**<5.2**	ug/L	25.0	5.2	5		08/13/21 02:47	99-87-6	
Methylene Chloride	**<1.6**	ug/L	25.0	1.6	5		08/13/21 02:47	75-09-2	
Methyl-tert-butyl ether	**<5.6**	ug/L	25.0	5.6	5		08/13/21 02:47	1634-04-4	
Naphthalene	**86.4**	ug/L	25.0	5.6	5		08/13/21 02:47	91-20-3	
n-Propylbenzene	**86.6**	ug/L	5.0	1.7	5		08/13/21 02:47	103-65-1	
Styrene	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:47	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-A1 **Lab ID: 40231486009** Collected: 08/09/21 13:50 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:47	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.9**	ug/L	5.0	1.9	5		08/13/21 02:47	79-34-5	
Tetrachloroethene	**<2.0**	ug/L	5.0	2.0	5		08/13/21 02:47	127-18-4	
Toluene	**480**	ug/L	5.0	1.4	5		08/13/21 02:47	108-88-3	
1,2,3-Trichlorobenzene	**<5.1**	ug/L	25.0	5.1	5		08/13/21 02:47	87-61-6	
1,2,4-Trichlorobenzene	**<4.8**	ug/L	25.0	4.8	5		08/13/21 02:47	120-82-1	
1,1,1-Trichloroethane	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:47	71-55-6	
1,1,2-Trichloroethane	**<1.7**	ug/L	25.0	1.7	5		08/13/21 02:47	79-00-5	
Trichloroethene	**<1.6**	ug/L	5.0	1.6	5		08/13/21 02:47	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	5.0	2.1	5		08/13/21 02:47	75-69-4	
1,2,3-Trichloropropane	**<2.8**	ug/L	25.0	2.8	5		08/13/21 02:47	96-18-4	
1,2,4-Trimethylbenzene	**453**	ug/L	5.0	2.2	5		08/13/21 02:47	95-63-6	
1,3,5-Trimethylbenzene	**107**	ug/L	5.0	1.8	5		08/13/21 02:47	108-67-8	
Vinyl chloride	**<0.87**	ug/L	5.0	0.87	5		08/13/21 02:47	75-01-4	
Xylene (Total)	**1550**	ug/L	15.0	5.2	5		08/13/21 02:47	1330-20-7	
m&p-Xylene	**1430**	ug/L	10.0	3.5	5		08/13/21 02:47	179601-23-1	
o-Xylene	**118**	ug/L	5.0	1.7	5		08/13/21 02:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		5		08/13/21 02:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		5		08/13/21 02:47	2199-69-1	
Toluene-d8 (S)	106	%	70-130		5		08/13/21 02:47	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-2A **Lab ID: 40231486010** Collected: 08/09/21 14:15 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**15.7**	ug/L	5.0	1.5	5		08/13/21 02:27	71-43-2	
Bromobenzene	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:27	108-86-1	
Bromochloromethane	**<1.8**	ug/L	25.0	1.8	5		08/13/21 02:27	74-97-5	
Bromodichloromethane	**<2.1**	ug/L	5.0	2.1	5		08/13/21 02:27	75-27-4	
Bromoform	**<19.0**	ug/L	25.0	19.0	5		08/13/21 02:27	75-25-2	
Bromomethane	**<6.0**	ug/L	25.0	6.0	5		08/13/21 02:27	74-83-9	
n-Butylbenzene	**11.6**	ug/L	5.0	4.3	5		08/13/21 02:27	104-51-8	
sec-Butylbenzene	**4.5J**	ug/L	5.0	2.1	5		08/13/21 02:27	135-98-8	
tert-Butylbenzene	**<2.9**	ug/L	5.0	2.9	5		08/13/21 02:27	98-06-6	
Carbon tetrachloride	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:27	56-23-5	
Chlorobenzene	**<4.3**	ug/L	5.0	4.3	5		08/13/21 02:27	108-90-7	
Chloroethane	**<6.9**	ug/L	25.0	6.9	5		08/13/21 02:27	75-00-3	
Chloroform	**<5.9**	ug/L	25.0	5.9	5		08/13/21 02:27	67-66-3	
Chloromethane	**<8.2**	ug/L	25.0	8.2	5		08/13/21 02:27	74-87-3	
2-Chlorotoluene	**<4.4**	ug/L	25.0	4.4	5		08/13/21 02:27	95-49-8	
4-Chlorotoluene	**<4.5**	ug/L	25.0	4.5	5		08/13/21 02:27	106-43-4	
1,2-Dibromo-3-chloropropane	**<11.8**	ug/L	25.0	11.8	5		08/13/21 02:27	96-12-8	
Dibromochloromethane	**<13.2**	ug/L	25.0	13.2	5		08/13/21 02:27	124-48-1	
1,2-Dibromoethane (EDB)	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:27	106-93-4	
Dibromomethane	**<5.0**	ug/L	25.0	5.0	5		08/13/21 02:27	74-95-3	
1,2-Dichlorobenzene	**<1.6**	ug/L	5.0	1.6	5		08/13/21 02:27	95-50-1	
1,3-Dichlorobenzene	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:27	541-73-1	
1,4-Dichlorobenzene	**<4.5**	ug/L	5.0	4.5	5		08/13/21 02:27	106-46-7	
Dichlorodifluoromethane	**<2.3**	ug/L	25.0	2.3	5		08/13/21 02:27	75-71-8	
1,1-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:27	75-34-3	
1,2-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:27	107-06-2	
1,1-Dichloroethene	**<2.9**	ug/L	5.0	2.9	5		08/13/21 02:27	75-35-4	
cis-1,2-Dichloroethene	**<2.4**	ug/L	5.0	2.4	5		08/13/21 02:27	156-59-2	
trans-1,2-Dichloroethene	**<2.6**	ug/L	5.0	2.6	5		08/13/21 02:27	156-60-5	
1,2-Dichloropropane	**<2.2**	ug/L	5.0	2.2	5		08/13/21 02:27	78-87-5	
1,3-Dichloropropane	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:27	142-28-9	
2,2-Dichloropropane	**<20.9**	ug/L	25.0	20.9	5		08/13/21 02:27	594-20-7	
1,1-Dichloropropene	**<2.1**	ug/L	5.0	2.1	5		08/13/21 02:27	563-58-6	
cis-1,3-Dichloropropene	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:27	10061-01-5	
trans-1,3-Dichloropropene	**<17.3**	ug/L	25.0	17.3	5		08/13/21 02:27	10061-02-6	
Diisopropyl ether	**<5.5**	ug/L	25.0	5.5	5		08/13/21 02:27	108-20-3	
Ethylbenzene	**556**	ug/L	5.0	1.6	5		08/13/21 02:27	100-41-4	
Hexachloro-1,3-butadiene	**<13.7**	ug/L	25.0	13.7	5		08/13/21 02:27	87-68-3	
Isopropylbenzene (Cumene)	**41.2**	ug/L	25.0	5.0	5		08/13/21 02:27	98-82-8	
p-Isopropyltoluene	**<5.2**	ug/L	25.0	5.2	5		08/13/21 02:27	99-87-6	
Methylene Chloride	**<1.6**	ug/L	25.0	1.6	5		08/13/21 02:27	75-09-2	
Methyl-tert-butyl ether	**<5.6**	ug/L	25.0	5.6	5		08/13/21 02:27	1634-04-4	
Naphthalene	**120**	ug/L	25.0	5.6	5		08/13/21 02:27	91-20-3	
n-Propylbenzene	**102**	ug/L	5.0	1.7	5		08/13/21 02:27	103-65-1	
Styrene	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:27	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-2A **Lab ID: 40231486010** Collected: 08/09/21 14:15 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:27	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.9**	ug/L	5.0	1.9	5		08/13/21 02:27	79-34-5	
Tetrachloroethene	**<2.0**	ug/L	5.0	2.0	5		08/13/21 02:27	127-18-4	
Toluene	**30.1**	ug/L	5.0	1.4	5		08/13/21 02:27	108-88-3	
1,2,3-Trichlorobenzene	**<5.1**	ug/L	25.0	5.1	5		08/13/21 02:27	87-61-6	
1,2,4-Trichlorobenzene	**<4.8**	ug/L	25.0	4.8	5		08/13/21 02:27	120-82-1	
1,1,1-Trichloroethane	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:27	71-55-6	
1,1,2-Trichloroethane	**<1.7**	ug/L	25.0	1.7	5		08/13/21 02:27	79-00-5	
Trichloroethene	**<1.6**	ug/L	5.0	1.6	5		08/13/21 02:27	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	5.0	2.1	5		08/13/21 02:27	75-69-4	
1,2,3-Trichloropropane	**<2.8**	ug/L	25.0	2.8	5		08/13/21 02:27	96-18-4	
1,2,4-Trimethylbenzene	**497**	ug/L	5.0	2.2	5		08/13/21 02:27	95-63-6	
1,3,5-Trimethylbenzene	**82.3**	ug/L	5.0	1.8	5		08/13/21 02:27	108-67-8	
Vinyl chloride	**<0.87**	ug/L	5.0	0.87	5		08/13/21 02:27	75-01-4	
Xylene (Total)	**958**	ug/L	15.0	5.2	5		08/13/21 02:27	1330-20-7	
m&p-Xylene	**907**	ug/L	10.0	3.5	5		08/13/21 02:27	179601-23-1	
o-Xylene	**51.4**	ug/L	5.0	1.7	5		08/13/21 02:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		5		08/13/21 02:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		5		08/13/21 02:27	2199-69-1	
Toluene-d8 (S)	104	%	70-130		5		08/13/21 02:27	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-2A DUP **Lab ID: 40231486011** Collected: 08/09/21 14:15 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**17.3**	ug/L	5.0	1.5	5		08/13/21 02:08	71-43-2	
Bromobenzene	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:08	108-86-1	
Bromochloromethane	**<1.8**	ug/L	25.0	1.8	5		08/13/21 02:08	74-97-5	
Bromodichloromethane	**<2.1**	ug/L	5.0	2.1	5		08/13/21 02:08	75-27-4	
Bromoform	**<19.0**	ug/L	25.0	19.0	5		08/13/21 02:08	75-25-2	
Bromomethane	**<6.0**	ug/L	25.0	6.0	5		08/13/21 02:08	74-83-9	
n-Butylbenzene	**12.9**	ug/L	5.0	4.3	5		08/13/21 02:08	104-51-8	
sec-Butylbenzene	**<2.1**	ug/L	5.0	2.1	5		08/13/21 02:08	135-98-8	
tert-Butylbenzene	**<2.9**	ug/L	5.0	2.9	5		08/13/21 02:08	98-06-6	
Carbon tetrachloride	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:08	56-23-5	
Chlorobenzene	**<4.3**	ug/L	5.0	4.3	5		08/13/21 02:08	108-90-7	
Chloroethane	**<6.9**	ug/L	25.0	6.9	5		08/13/21 02:08	75-00-3	
Chloroform	**<5.9**	ug/L	25.0	5.9	5		08/13/21 02:08	67-66-3	
Chloromethane	**<8.2**	ug/L	25.0	8.2	5		08/13/21 02:08	74-87-3	
2-Chlorotoluene	**<4.4**	ug/L	25.0	4.4	5		08/13/21 02:08	95-49-8	
4-Chlorotoluene	**<4.5**	ug/L	25.0	4.5	5		08/13/21 02:08	106-43-4	
1,2-Dibromo-3-chloropropane	**<11.8**	ug/L	25.0	11.8	5		08/13/21 02:08	96-12-8	
Dibromochloromethane	**<13.2**	ug/L	25.0	13.2	5		08/13/21 02:08	124-48-1	
1,2-Dibromoethane (EDB)	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:08	106-93-4	
Dibromomethane	**<5.0**	ug/L	25.0	5.0	5		08/13/21 02:08	74-95-3	
1,2-Dichlorobenzene	**<1.6**	ug/L	5.0	1.6	5		08/13/21 02:08	95-50-1	
1,3-Dichlorobenzene	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:08	541-73-1	
1,4-Dichlorobenzene	**<4.5**	ug/L	5.0	4.5	5		08/13/21 02:08	106-46-7	
Dichlorodifluoromethane	**<2.3**	ug/L	25.0	2.3	5		08/13/21 02:08	75-71-8	
1,1-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:08	75-34-3	
1,2-Dichloroethane	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:08	107-06-2	
1,1-Dichloroethene	**<2.9**	ug/L	5.0	2.9	5		08/13/21 02:08	75-35-4	
cis-1,2-Dichloroethene	**<2.4**	ug/L	5.0	2.4	5		08/13/21 02:08	156-59-2	
trans-1,2-Dichloroethene	**<2.6**	ug/L	5.0	2.6	5		08/13/21 02:08	156-60-5	
1,2-Dichloropropane	**<2.2**	ug/L	5.0	2.2	5		08/13/21 02:08	78-87-5	
1,3-Dichloropropane	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:08	142-28-9	
2,2-Dichloropropane	**<20.9**	ug/L	25.0	20.9	5		08/13/21 02:08	594-20-7	
1,1-Dichloropropene	**<2.1**	ug/L	5.0	2.1	5		08/13/21 02:08	563-58-6	
cis-1,3-Dichloropropene	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:08	10061-01-5	
trans-1,3-Dichloropropene	**<17.3**	ug/L	25.0	17.3	5		08/13/21 02:08	10061-02-6	
Diisopropyl ether	**<5.5**	ug/L	25.0	5.5	5		08/13/21 02:08	108-20-3	
Ethylbenzene	**631**	ug/L	5.0	1.6	5		08/13/21 02:08	100-41-4	
Hexachloro-1,3-butadiene	**<13.7**	ug/L	25.0	13.7	5		08/13/21 02:08	87-68-3	
Isopropylbenzene (Cumene)	**47.3**	ug/L	25.0	5.0	5		08/13/21 02:08	98-82-8	
p-Isopropyltoluene	**<5.2**	ug/L	25.0	5.2	5		08/13/21 02:08	99-87-6	
Methylene Chloride	**<1.6**	ug/L	25.0	1.6	5		08/13/21 02:08	75-09-2	
Methyl-tert-butyl ether	**<5.6**	ug/L	25.0	5.6	5		08/13/21 02:08	1634-04-4	
Naphthalene	**138**	ug/L	25.0	5.6	5		08/13/21 02:08	91-20-3	
n-Propylbenzene	**116**	ug/L	5.0	1.7	5		08/13/21 02:08	103-65-1	
Styrene	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:08	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-2A DUP **Lab ID: 40231486011** Collected: 08/09/21 14:15 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	5.0	1.8	5		08/13/21 02:08	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.9**	ug/L	5.0	1.9	5		08/13/21 02:08	79-34-5	
Tetrachloroethene	**<2.0**	ug/L	5.0	2.0	5		08/13/21 02:08	127-18-4	
Toluene	**30.8**	ug/L	5.0	1.4	5		08/13/21 02:08	108-88-3	
1,2,3-Trichlorobenzene	**<5.1**	ug/L	25.0	5.1	5		08/13/21 02:08	87-61-6	
1,2,4-Trichlorobenzene	**<4.8**	ug/L	25.0	4.8	5		08/13/21 02:08	120-82-1	
1,1,1-Trichloroethane	**<1.5**	ug/L	5.0	1.5	5		08/13/21 02:08	71-55-6	
1,1,2-Trichloroethane	**<1.7**	ug/L	25.0	1.7	5		08/13/21 02:08	79-00-5	
Trichloroethene	**<1.6**	ug/L	5.0	1.6	5		08/13/21 02:08	79-01-6	
Trichlorofluoromethane	**<2.1**	ug/L	5.0	2.1	5		08/13/21 02:08	75-69-4	
1,2,3-Trichloropropane	**<2.8**	ug/L	25.0	2.8	5		08/13/21 02:08	96-18-4	
1,2,4-Trimethylbenzene	**593**	ug/L	5.0	2.2	5		08/13/21 02:08	95-63-6	
1,3,5-Trimethylbenzene	**99.3**	ug/L	5.0	1.8	5		08/13/21 02:08	108-67-8	
Vinyl chloride	**<0.87**	ug/L	5.0	0.87	5		08/13/21 02:08	75-01-4	
Xylene (Total)	**1100**	ug/L	15.0	5.2	5		08/13/21 02:08	1330-20-7	
m&p-Xylene	**1040**	ug/L	10.0	3.5	5		08/13/21 02:08	179601-23-1	
o-Xylene	**57.9**	ug/L	5.0	1.7	5		08/13/21 02:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		5		08/13/21 02:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		5		08/13/21 02:08	2199-69-1	
Toluene-d8 (S)	106	%	70-130		5		08/13/21 02:08	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-2B **Lab ID: 40231486012** Collected: 08/10/21 00:00 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**22.1**	ug/L	1.0	0.30	1		08/13/21 01:28	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 01:28	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/13/21 01:28	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		08/13/21 01:28	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		08/13/21 01:28	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		08/13/21 01:28	74-83-9	
n-Butylbenzene	**10.6**	ug/L	1.0	0.86	1		08/13/21 01:28	104-51-8	
sec-Butylbenzene	**5.7**	ug/L	1.0	0.42	1		08/13/21 01:28	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		08/13/21 01:28	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		08/13/21 01:28	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		08/13/21 01:28	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		08/13/21 01:28	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		08/13/21 01:28	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		08/13/21 01:28	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/13/21 01:28	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/13/21 01:28	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		08/13/21 01:28	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		08/13/21 01:28	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		08/13/21 01:28	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		08/13/21 01:28	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		08/13/21 01:28	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 01:28	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		08/13/21 01:28	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		08/13/21 01:28	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 01:28	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		08/13/21 01:28	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		08/13/21 01:28	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		08/13/21 01:28	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		08/13/21 01:28	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		08/13/21 01:28	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 01:28	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		08/13/21 01:28	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		08/13/21 01:28	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 01:28	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		08/13/21 01:28	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		08/13/21 01:28	108-20-3	
Ethylbenzene	**439**	ug/L	5.0	1.6	5		08/13/21 14:01	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		08/13/21 01:28	87-68-3	
Isopropylbenzene (Cumene)	**46.8**	ug/L	5.0	1.0	1		08/13/21 01:28	98-82-8	
p-Isopropyltoluene	**2.3J**	ug/L	5.0	1.0	1		08/13/21 01:28	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		08/13/21 01:28	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		08/13/21 01:28	1634-04-4	
Naphthalene	**102**	ug/L	5.0	1.1	1		08/13/21 01:28	91-20-3	
n-Propylbenzene	**99.1**	ug/L	1.0	0.35	1		08/13/21 01:28	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 01:28	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-2B **Lab ID: 40231486012** Collected: 08/10/21 00:00 Received: 08/11/21 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		08/13/21 01:28	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		08/13/21 01:28	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		08/13/21 01:28	127-18-4	
Toluene	**27.2**	ug/L	1.0	0.29	1		08/13/21 01:28	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		08/13/21 01:28	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/13/21 01:28	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 01:28	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		08/13/21 01:28	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		08/13/21 01:28	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		08/13/21 01:28	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		08/13/21 01:28	96-18-4	
1,2,4-Trimethylbenzene	**404**	ug/L	5.0	2.2	5		08/13/21 14:01	95-63-6	
1,3,5-Trimethylbenzene	**71.0**	ug/L	1.0	0.36	1		08/13/21 01:28	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/13/21 01:28	75-01-4	
Xylene (Total)	**746**	ug/L	15.0	5.2	5		08/13/21 14:01	1330-20-7	
m&p-Xylene	**705**	ug/L	10.0	3.5	5		08/13/21 14:01	179601-23-1	
o-Xylene	**40.5**	ug/L	1.0	0.35	1		08/13/21 01:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		08/13/21 01:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		08/13/21 01:28	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		08/13/21 01:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-A4 **Lab ID: 40231486013** Collected: 08/10/21 08:30 Received: 08/11/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		08/13/21 13:42	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 13:42	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		08/13/21 13:42	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		08/13/21 13:42	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		08/13/21 13:42	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		08/13/21 13:42	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		08/13/21 13:42	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		08/13/21 13:42	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		08/13/21 13:42	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		08/13/21 13:42	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		08/13/21 13:42	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		08/13/21 13:42	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		08/13/21 13:42	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		08/13/21 13:42	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/13/21 13:42	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		08/13/21 13:42	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		08/13/21 13:42	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		08/13/21 13:42	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		08/13/21 13:42	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		08/13/21 13:42	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		08/13/21 13:42	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 13:42	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		08/13/21 13:42	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		08/13/21 13:42	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 13:42	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		08/13/21 13:42	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		08/13/21 13:42	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		08/13/21 13:42	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		08/13/21 13:42	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		08/13/21 13:42	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 13:42	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		08/13/21 13:42	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		08/13/21 13:42	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 13:42	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		08/13/21 13:42	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		08/13/21 13:42	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		08/13/21 13:42	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		08/13/21 13:42	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		08/13/21 13:42	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		08/13/21 13:42	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		08/13/21 13:42	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		08/13/21 13:42	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		08/13/21 13:42	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 13:42	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 13:42	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Sample: MW-A4 **Lab ID: 40231486013** Collected: 08/10/21 08:30 Received: 08/11/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		08/13/21 13:42	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		08/13/21 13:42	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		08/13/21 13:42	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		08/13/21 13:42	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		08/13/21 13:42	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		08/13/21 13:42	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		08/13/21 13:42	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		08/13/21 13:42	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		08/13/21 13:42	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		08/13/21 13:42	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		08/13/21 13:42	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		08/13/21 13:42	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		08/13/21 13:42	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		08/13/21 13:42	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		08/13/21 13:42	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		08/13/21 13:42	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		08/13/21 13:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		08/13/21 13:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		08/13/21 13:42	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		08/13/21 13:42	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

QC Batch: 392862
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40231486001

METHOD BLANK: 2266551 Matrix: Water
Associated Lab Samples: 40231486001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	08/12/21 12:03	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	08/12/21 12:03	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	08/12/21 12:03	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	08/12/21 12:03	
1,1-Dichloroethane	ug/L	<0.30	1.0	08/12/21 12:03	
1,1-Dichloroethene	ug/L	<0.58	1.0	08/12/21 12:03	
1,1-Dichloropropene	ug/L	<0.41	1.0	08/12/21 12:03	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	08/12/21 12:03	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	08/12/21 12:03	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	08/12/21 12:03	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	08/12/21 12:03	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	08/12/21 12:03	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	08/12/21 12:03	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	08/12/21 12:03	
1,2-Dichloroethane	ug/L	<0.29	1.0	08/12/21 12:03	
1,2-Dichloropropane	ug/L	<0.45	1.0	08/12/21 12:03	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	08/12/21 12:03	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	08/12/21 12:03	
1,3-Dichloropropane	ug/L	<0.30	1.0	08/12/21 12:03	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	08/12/21 12:03	
2,2-Dichloropropane	ug/L	<4.2	5.0	08/12/21 12:03	
2-Chlorotoluene	ug/L	<0.89	5.0	08/12/21 12:03	
4-Chlorotoluene	ug/L	<0.89	5.0	08/12/21 12:03	
Benzene	ug/L	<0.30	1.0	08/12/21 12:03	
Bromobenzene	ug/L	<0.36	1.0	08/12/21 12:03	
Bromochloromethane	ug/L	<0.36	5.0	08/12/21 12:03	
Bromodichloromethane	ug/L	<0.42	1.0	08/12/21 12:03	
Bromoform	ug/L	<3.8	5.0	08/12/21 12:03	
Bromomethane	ug/L	<1.2	5.0	08/12/21 12:03	
Carbon tetrachloride	ug/L	<0.37	1.0	08/12/21 12:03	
Chlorobenzene	ug/L	<0.86	1.0	08/12/21 12:03	
Chloroethane	ug/L	<1.4	5.0	08/12/21 12:03	
Chloroform	ug/L	<1.2	5.0	08/12/21 12:03	
Chloromethane	ug/L	<1.6	5.0	08/12/21 12:03	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	08/12/21 12:03	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	08/12/21 12:03	
Dibromochloromethane	ug/L	<2.6	5.0	08/12/21 12:03	
Dibromomethane	ug/L	<0.99	5.0	08/12/21 12:03	
Dichlorodifluoromethane	ug/L	<0.46	5.0	08/12/21 12:03	
Diisopropyl ether	ug/L	<1.1	5.0	08/12/21 12:03	

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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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

METHOD BLANK: 2266551 Matrix: Water
Associated Lab Samples: 40231486001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.33	1.0	08/12/21 12:03	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	08/12/21 12:03	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	08/12/21 12:03	
m&p-Xylene	ug/L	<0.70	2.0	08/12/21 12:03	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	08/12/21 12:03	
Methylene Chloride	ug/L	<0.32	5.0	08/12/21 12:03	
n-Butylbenzene	ug/L	<0.86	1.0	08/12/21 12:03	
n-Propylbenzene	ug/L	<0.35	1.0	08/12/21 12:03	
Naphthalene	ug/L	<1.1	5.0	08/12/21 12:03	
o-Xylene	ug/L	<0.35	1.0	08/12/21 12:03	
p-Isopropyltoluene	ug/L	<1.0	5.0	08/12/21 12:03	
sec-Butylbenzene	ug/L	<0.42	1.0	08/12/21 12:03	
Styrene	ug/L	<0.36	1.0	08/12/21 12:03	
tert-Butylbenzene	ug/L	<0.59	1.0	08/12/21 12:03	
Tetrachloroethene	ug/L	<0.41	1.0	08/12/21 12:03	
Toluene	ug/L	<0.29	1.0	08/12/21 12:03	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	08/12/21 12:03	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	08/12/21 12:03	
Trichloroethene	ug/L	<0.32	1.0	08/12/21 12:03	
Trichlorofluoromethane	ug/L	<0.42	1.0	08/12/21 12:03	
Vinyl chloride	ug/L	<0.17	1.0	08/12/21 12:03	
Xylene (Total)	ug/L	<1.0	3.0	08/12/21 12:03	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	08/12/21 12:03	
4-Bromofluorobenzene (S)	%	102	70-130	08/12/21 12:03	
Toluene-d8 (S)	%	98	70-130	08/12/21 12:03	

LABORATORY CONTROL SAMPLE: 2266552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.1	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.2	106	66-130	
1,1,2-Trichloroethane	ug/L	50	52.2	104	70-130	
1,1-Dichloroethane	ug/L	50	51.8	104	68-132	
1,1-Dichloroethene	ug/L	50	53.2	106	85-126	
1,2,4-Trichlorobenzene	ug/L	50	48.1	96	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.9	100	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	52.7	105	70-130	
1,2-Dichlorobenzene	ug/L	50	52.3	105	70-130	
1,2-Dichloroethane	ug/L	50	51.5	103	70-130	
1,2-Dichloropropane	ug/L	50	52.2	104	78-125	
1,3-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,4-Dichlorobenzene	ug/L	50	51.8	104	70-130	
Benzene	ug/L	50	52.4	105	70-132	
Bromodichloromethane	ug/L	50	50.3	101	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

LABORATORY CONTROL SAMPLE: 2266552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	50.0	100	65-130	
Bromomethane	ug/L	50	51.4	103	44-128	
Carbon tetrachloride	ug/L	50	56.6	113	70-130	
Chlorobenzene	ug/L	50	53.0	106	70-130	
Chloroethane	ug/L	50	47.4	95	73-137	
Chloroform	ug/L	50	51.2	102	80-122	
Chloromethane	ug/L	50	49.1	98	27-148	
cis-1,2-Dichloroethene	ug/L	50	50.5	101	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.6	97	70-130	
Dibromochloromethane	ug/L	50	53.1	106	70-130	
Dichlorodifluoromethane	ug/L	50	41.3	83	22-151	
Ethylbenzene	ug/L	50	53.1	106	80-123	
Isopropylbenzene (Cumene)	ug/L	50	52.1	104	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	49.5	99	66-130	
Methylene Chloride	ug/L	50	49.5	99	70-130	
o-Xylene	ug/L	50	54.1	108	70-130	
Styrene	ug/L	50	52.1	104	70-130	
Tetrachloroethene	ug/L	50	54.2	108	70-130	
Toluene	ug/L	50	53.2	106	80-121	
trans-1,2-Dichloroethene	ug/L	50	52.1	104	70-130	
trans-1,3-Dichloropropene	ug/L	50	47.7	95	58-125	
Trichloroethene	ug/L	50	53.3	107	70-130	
Trichlorofluoromethane	ug/L	50	52.7	105	84-148	
Vinyl chloride	ug/L	50	54.6	109	63-142	
Xylene (Total)	ug/L	150	161	108	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2267214 2267215

Parameter	Units	40231478001 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	<0.30	50	50	55.1	54.9	110	110	70-130	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	50.5	50.6	101	101	66-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	48.6	49.6	97	99	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	49.6	50.3	99	101	68-132	1	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	45.2	45.9	90	92	76-132	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	36.9	46.0	74	92	70-130	22	20	R1
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	43.4	45.6	87	91	51-126	5	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	51.3	52.5	103	105	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	50.4	52.5	101	105	70-130	4	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	50.1	50.7	100	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2267214 2267215

Parameter	Units	40231478001 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/L	<0.45	50	50	48.5	50.3	97	101	77-125	4	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	49.1	51.3	98	103	70-130	4	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	50.3	51.4	101	103	70-130	2	20	
Benzene	ug/L	<0.30	50	50	51.3	50.6	103	101	70-132	1	20	
Bromodichloromethane	ug/L	<0.42	50	50	49.7	50.0	99	100	70-130	1	20	
Bromoform	ug/L	<3.8	50	50	48.5	50.0	97	100	65-130	3	20	
Bromomethane	ug/L	<1.2	50	50	52.6	53.1	105	106	44-128	1	21	
Carbon tetrachloride	ug/L	<0.37	50	50	59.6	58.8	119	118	70-132	1	20	
Chlorobenzene	ug/L	<0.86	50	50	51.6	52.5	103	105	70-130	2	20	
Chloroethane	ug/L	<1.4	50	50	46.6	46.4	93	93	70-137	0	20	
Chloroform	ug/L	<1.2	50	50	51.1	50.9	102	102	80-122	0	20	
Chloromethane	ug/L	<1.6	50	50	44.7	45.2	89	90	17-149	1	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	49.8	49.9	100	100	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	46.2	47.0	92	94	70-130	2	20	
Dibromochloromethane	ug/L	<2.6	50	50	53.1	53.5	106	107	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	39.6	39.1	79	78	22-158	1	20	
Ethylbenzene	ug/L	<0.33	50	50	50.9	51.8	102	104	80-123	2	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	48.7	49.6	97	99	70-130	2	20	
m&p-Xylene	ug/L	<0.70	100	100	103	105	103	105	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	47.4	48.2	95	96	66-130	2	20	
Methylene Chloride	ug/L	<0.32	50	50	47.5	46.9	95	94	70-130	1	20	
o-Xylene	ug/L	<0.35	50	50	52.0	52.8	104	106	70-130	2	20	
Styrene	ug/L	<0.36	50	50	49.9	51.2	100	102	70-130	3	20	
Tetrachloroethene	ug/L	<0.41	50	50	56.2	56.6	112	113	70-130	1	20	
Toluene	ug/L	<0.29	50	50	50.8	52.0	102	104	80-121	2	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	52.3	53.9	105	108	70-134	3	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	44.3	46.0	89	92	58-130	4	20	
Trichloroethene	ug/L	<0.32	50	50	52.7	53.1	105	106	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	54.9	54.3	110	109	82-151	1	20	
Vinyl chloride	ug/L	0.37J	50	50	50.9	51.1	101	101	61-143	0	20	
Xylene (Total)	ug/L	<1.0	150	150	155	158	103	106	70-130	2	20	
1,2-Dichlorobenzene-d4 (S)	%						98	101	70-130			
4-Bromofluorobenzene (S)	%						101	101	70-130			
Toluene-d8 (S)	%						98	98	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

QC Batch: 392883 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40231486002, 40231486003, 40231486004, 40231486005, 40231486006, 40231486007, 40231486008, 40231486009, 40231486010, 40231486011, 40231486012, 40231486013

METHOD BLANK: 2266745 Matrix: Water
Associated Lab Samples: 40231486002, 40231486003, 40231486004, 40231486005, 40231486006, 40231486007, 40231486008, 40231486009, 40231486010, 40231486011, 40231486012, 40231486013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	08/12/21 18:36	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	08/12/21 18:36	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	08/12/21 18:36	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	08/12/21 18:36	
1,1-Dichloroethane	ug/L	<0.30	1.0	08/12/21 18:36	
1,1-Dichloroethene	ug/L	<0.58	1.0	08/12/21 18:36	
1,1-Dichloropropene	ug/L	<0.41	1.0	08/12/21 18:36	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	08/12/21 18:36	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	08/12/21 18:36	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	08/12/21 18:36	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	08/12/21 18:36	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	08/12/21 18:36	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	08/12/21 18:36	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	08/12/21 18:36	
1,2-Dichloroethane	ug/L	<0.29	1.0	08/12/21 18:36	
1,2-Dichloropropane	ug/L	<0.45	1.0	08/12/21 18:36	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	08/12/21 18:36	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	08/12/21 18:36	
1,3-Dichloropropane	ug/L	<0.30	1.0	08/12/21 18:36	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	08/12/21 18:36	
2,2-Dichloropropane	ug/L	<4.2	5.0	08/12/21 18:36	
2-Chlorotoluene	ug/L	<0.89	5.0	08/12/21 18:36	
4-Chlorotoluene	ug/L	<0.89	5.0	08/12/21 18:36	
Benzene	ug/L	<0.30	1.0	08/12/21 18:36	
Bromobenzene	ug/L	<0.36	1.0	08/12/21 18:36	
Bromochloromethane	ug/L	<0.36	5.0	08/12/21 18:36	
Bromodichloromethane	ug/L	<0.42	1.0	08/12/21 18:36	
Bromoform	ug/L	<3.8	5.0	08/12/21 18:36	
Bromomethane	ug/L	<1.2	5.0	08/12/21 18:36	
Carbon tetrachloride	ug/L	<0.37	1.0	08/12/21 18:36	
Chlorobenzene	ug/L	<0.86	1.0	08/12/21 18:36	
Chloroethane	ug/L	<1.4	5.0	08/12/21 18:36	
Chloroform	ug/L	<1.2	5.0	08/12/21 18:36	
Chloromethane	ug/L	<1.6	5.0	08/12/21 18:36	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	08/12/21 18:36	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	08/12/21 18:36	
Dibromochloromethane	ug/L	<2.6	5.0	08/12/21 18:36	
Dibromomethane	ug/L	<0.99	5.0	08/12/21 18:36	
Dichlorodifluoromethane	ug/L	<0.46	5.0	08/12/21 18:36	

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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

METHOD BLANK: 2266745 Matrix: Water

Associated Lab Samples: 40231486002, 40231486003, 40231486004, 40231486005, 40231486006, 40231486007, 40231486008, 40231486009, 40231486010, 40231486011, 40231486012, 40231486013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.1	5.0	08/12/21 18:36	
Ethylbenzene	ug/L	<0.33	1.0	08/12/21 18:36	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	08/12/21 18:36	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	08/12/21 18:36	
m&p-Xylene	ug/L	<0.70	2.0	08/12/21 18:36	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	08/12/21 18:36	
Methylene Chloride	ug/L	<0.32	5.0	08/12/21 18:36	
n-Butylbenzene	ug/L	<0.86	1.0	08/12/21 18:36	
n-Propylbenzene	ug/L	<0.35	1.0	08/12/21 18:36	
Naphthalene	ug/L	<1.1	5.0	08/12/21 18:36	
o-Xylene	ug/L	<0.35	1.0	08/12/21 18:36	
p-Isopropyltoluene	ug/L	<1.0	5.0	08/12/21 18:36	
sec-Butylbenzene	ug/L	<0.42	1.0	08/12/21 18:36	
Styrene	ug/L	<0.36	1.0	08/12/21 18:36	
tert-Butylbenzene	ug/L	<0.59	1.0	08/12/21 18:36	
Tetrachloroethene	ug/L	<0.41	1.0	08/12/21 18:36	
Toluene	ug/L	<0.29	1.0	08/12/21 18:36	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	08/12/21 18:36	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	08/12/21 18:36	
Trichloroethene	ug/L	<0.32	1.0	08/12/21 18:36	
Trichlorofluoromethane	ug/L	<0.42	1.0	08/12/21 18:36	
Vinyl chloride	ug/L	<0.17	1.0	08/12/21 18:36	
Xylene (Total)	ug/L	<1.0	3.0	08/12/21 18:36	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130	08/12/21 18:36	
4-Bromofluorobenzene (S)	%	110	70-130	08/12/21 18:36	
Toluene-d8 (S)	%	104	70-130	08/12/21 18:36	

LABORATORY CONTROL SAMPLE: 2266746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.3	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.1	104	66-130	
1,1,2-Trichloroethane	ug/L	50	49.7	99	70-130	
1,1-Dichloroethane	ug/L	50	55.7	111	68-132	
1,1-Dichloroethene	ug/L	50	51.6	103	85-126	
1,2,4-Trichlorobenzene	ug/L	50	45.6	91	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.6	99	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	47.8	96	70-130	
1,2-Dichlorobenzene	ug/L	50	47.5	95	70-130	
1,2-Dichloroethane	ug/L	50	56.7	113	70-130	
1,2-Dichloropropane	ug/L	50	51.9	104	78-125	
1,3-Dichlorobenzene	ug/L	50	47.6	95	70-130	
1,4-Dichlorobenzene	ug/L	50	47.4	95	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

LABORATORY CONTROL SAMPLE: 2266746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	51.5	103	70-132	
Bromodichloromethane	ug/L	50	48.7	97	70-130	
Bromoform	ug/L	50	42.9	86	65-130	
Bromomethane	ug/L	50	40.4	81	44-128	
Carbon tetrachloride	ug/L	50	44.7	89	70-130	
Chlorobenzene	ug/L	50	51.3	103	70-130	
Chloroethane	ug/L	50	52.6	105	73-137	
Chloroform	ug/L	50	50.0	100	80-122	
Chloromethane	ug/L	50	55.7	111	27-148	
cis-1,2-Dichloroethene	ug/L	50	48.3	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.4	95	70-130	
Dibromochloromethane	ug/L	50	42.2	84	70-130	
Dichlorodifluoromethane	ug/L	50	38.7	77	22-151	
Ethylbenzene	ug/L	50	52.9	106	80-123	
Isopropylbenzene (Cumene)	ug/L	50	52.9	106	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	46.2	92	66-130	
Methylene Chloride	ug/L	50	51.6	103	70-130	
o-Xylene	ug/L	50	51.3	103	70-130	
Styrene	ug/L	50	54.5	109	70-130	
Tetrachloroethene	ug/L	50	45.7	91	70-130	
Toluene	ug/L	50	51.4	103	80-121	
trans-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
trans-1,3-Dichloropropene	ug/L	50	45.2	90	58-125	
Trichloroethene	ug/L	50	51.1	102	70-130	
Trichlorofluoromethane	ug/L	50	52.5	105	84-148	
Vinyl chloride	ug/L	50	58.3	117	63-142	
Xylene (Total)	ug/L	150	156	104	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			116	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2267034 2267035

Parameter	Units	40231486007 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	<0.30	50	50	51.5	53.1	103	106	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	56.6	57.8	113	116	66-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	54.4	54.1	109	108	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	61.8	60.2	124	120	68-132	3	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	56.9	57.0	114	114	76-132	0	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50.3	51.8	101	104	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	56.1	58.2	112	116	51-126	4	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	52.0	52.0	104	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: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2267034 2267035

Parameter	Units	40231486007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichlorobenzene	ug/L	<0.33	50	50	51.4	52.0	103	104	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	59.4	61.1	119	122	70-130	3	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	57.5	58.2	115	116	77-125	1	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	51.5	52.1	103	104	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	51.3	52.0	103	104	70-130	1	20	
Benzene	ug/L	0.85J	50	50	57.6	56.8	114	112	70-132	1	20	
Bromodichloromethane	ug/L	<0.42	50	50	51.7	52.4	103	105	70-130	1	20	
Bromoform	ug/L	<3.8	50	50	46.5	47.4	93	95	65-130	2	20	
Bromomethane	ug/L	<1.2	50	50	44.5	45.9	89	92	44-128	3	21	
Carbon tetrachloride	ug/L	<0.37	50	50	47.0	48.2	94	96	70-132	3	20	
Chlorobenzene	ug/L	<0.86	50	50	55.1	54.9	110	110	70-130	0	20	
Chloroethane	ug/L	<1.4	50	50	59.8	57.6	120	115	70-137	4	20	
Chloroform	ug/L	<1.2	50	50	54.0	54.1	108	108	80-122	0	20	
Chloromethane	ug/L	<1.6	50	50	60.7	60.5	121	121	17-149	0	20	
cis-1,2-Dichloroethene	ug/L	2.5	50	50	53.8	54.0	103	103	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	49.7	50.2	99	100	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	45.9	46.5	92	93	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	41.2	39.8	82	80	22-158	4	20	
Ethylbenzene	ug/L	19.8	50	50	86.2	84.0	133	128	80-123	3	20	M1
Isopropylbenzene (Cumene)	ug/L	9.7	50	50	74.6	71.6	130	124	70-130	4	20	
m&p-Xylene	ug/L	18.7	100	100	144	139	125	121	70-130	3	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	51.4	51.9	103	104	66-130	1	20	
Methylene Chloride	ug/L	<0.32	50	50	56.7	56.8	113	114	70-130	0	20	
o-Xylene	ug/L	<0.35	50	50	57.6	56.4	114	112	70-130	2	20	
Styrene	ug/L	<0.36	50	50	59.7	59.0	119	118	70-130	1	20	
Tetrachloroethene	ug/L	<0.41	50	50	48.1	48.8	96	97	70-130	2	20	
Toluene	ug/L	<0.29	50	50	56.5	55.9	113	112	80-121	1	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	54.6	53.9	109	108	70-134	1	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	48.0	48.6	96	97	58-130	1	20	
Trichloroethene	ug/L	<0.32	50	50	56.0	53.9	112	108	70-130	4	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	58.3	57.9	117	116	82-151	1	20	
Vinyl chloride	ug/L	<0.17	50	50	66.4	64.1	133	128	61-143	3	20	
Xylene (Total)	ug/L	19.0	150	150	201	196	121	118	70-130	3	20	
1,2-Dichlorobenzene-d4 (S)	%						100	101	70-130			
4-Bromofluorobenzene (S)	%						114	113	70-130			
Toluene-d8 (S)	%						103	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

QUALIFIERS

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60657253 FORMER DOUG STANDARD
Pace Project No.: 40231486

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40231486001	**TB-01**	EPA 8260	392862		
40231486002	**MW-A3**	EPA 8260	392883		
40231486003	**MW-A2**	EPA 8260	392883		
40231486004	**MW-A5**	EPA 8260	392883		
40231486005	**MW-A6**	EPA 8260	392883		
40231486006	**MW-6**	EPA 8260	392883		
40231486007	**MW-5**	EPA 8260	392883		
40231486008	**PZ-6**	EPA 8260	392883		
40231486009	**MW-A1**	EPA 8260	392883		
40231486010	**MW-2A**	EPA 8260	392883		
40231486011	**MW-2A DUP**	EPA 8260	392883		
40231486012	**MW-2B**	EPA 8260	392883		
40231486013	**MW-A4**	EPA 8260	392883		

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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.

40231486

Page: 1 of 2

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AECOM - Milwaukee	Report To: Lanette Altenbach	Attention: ~~Accounts Payable/Finance Department~~ USAPIMAGING@AECOM.com
Address: 1555 N. River Center Dr., Suite 214	Copy To: —	Company Name: ~~City of Kenosha~~ Same
Milwaukee, WI 53212	—	Address: ~~652 52nd St., Kenosha, WI 53140~~ Same
Email To: Lanette.Altenbach@aecom.com	Purchase Order No.:	Pace Quote Reference:
Phone: 414-577-1363 Fax:	Project Name: ~~3020 75th St~~ Former Dairy Standard	Pace Project Manager: Chris Hyska
Requested Due Date/TAT: STD	Project Number: ~~60657500.1A~~ 60657253	Pace Profile #: ~~(2400) Kenosha Work~~

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☑ 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

Preservatives: Unpreserved, H_2SO_4, HNO_3, HCl, NaOH, $Na_2S_2O_3$, Methanol, Other

Requested Analysis Filtered (Y/N): VOCs, PAHs, RCRA 8 Metals, Residual Chlorine (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	HCl	VOCs	Pace Project Number Lab I.D.
1	TB-01	WT	G	/	/	08.09.21	0830		2	X	X	001
2	MW-A3	↓	↓	/	/		0952		3	X	X	002
3	MW-A2			/	/		1035		↓	X	X	003
4	MW-A5			/	/		1105			X	X	004
5	MW-A6			/	/		1140			X	X	005
6	MW-6			/	/		1230			X	X	006
7	MW-5			/	/		1255			X	X	007
8	PZ-6			/	/		1325			X	X	008
9	MW-A1			/	/		1350			X	X	009
10	MW-2A			/	/		1415			X	X	010
11	MW-2A DUP			/	/		1416			X	X	011
12	MW-2B	↓	↓	/	/				↓	X	X	012

Additional Comments:

sample per contract

rain during sample MW-2B.

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Keith Nielsen/AECOM	08.10.21	1600					Y/N	Y/N	Y/N
CS Logistics	8/11/21	0900	Will Green Pace	8/11/21	0900	6	Y	Y	Y
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
						Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Keith Nielsen

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 08.10.2021

E-File,(ALLQ020rev.3,31Mar05), 13Jun2005

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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.

40231486

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AECOM - Milwaukee	Report To: ~~Tory Schultz~~	Attention: ~~Accounts Payable~~ Same
Address: 1555 N. River Center Dr., Suite 214	Copy To: ~~Heather Thiel, Margarita Ianeva~~	Company Name: ~~AECOM~~ Same
Milwaukee, WI 53212	Copy To: ~~Suzanne Tomajko-Seydel~~	Address: ~~P.O. Box 5004, Glen Allen, VA 23058~~ Same
Email To: Same	Purchase Order No.:	Pace Quote Reference:
Phone: Same Fax:	Project Name: ~~Univar~~ Former Doug Standard	Pace Project Manager: Chris Hyska
Requested Due Date/TAT: Standard STD	Project Number: ~~[illegible]~~ 60657253	Pace Profile #: ~~5996~~

REGULATORY AGENCY

__NPDES _X_ GROUND WATER __DRINKING WATER
__UST __RCRA OTHER____

SITE LOCATION: __GA __IL __IN __MI __NC __OH __SC _X_ WI OTHER____

Filtered (Y/N): N

Requested Analysis: VOCs 8260; Residual Chlorine (Y/N)

Section D Required Client Information

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

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

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	VOCs 8260	Residual Chlorine (Y/N)	Pace Project Number Lab I.D.
1	MW-A4	WT	G	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	0830		3				X					X		013
2		WT																		
3		WT																		
4		WT																		
5		WT																		
6		WT																		
7		WT																		
8		WT																		
9		WT																		
10		WT																		
11		WT																		
12		WT																		

KEN 08.10.21

Additional Comments:

* sample per contract *

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Keith N. AECOM	08.10.21	1600							
CS Logistics	8/11/21	0900	Will [illegible] Pace	8/11/21	0900	0	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Keith Nielsen

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 08.10.2021

E-File,(ALLQ020rev.3,31Mar05), 13Jun2005

Sample Preservation Receipt Form

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

Client Name: AG com MRG Project # 402-314816

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	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN						
001																	3															2.5 / 5 / 10
002																	3															2.5 / 5 / 10
003																	3															2.5 / 5 / 10
004																	3															2.5 / 5 / 10
005																	3															2.5 / 5 / 10
006																	3															2.5 / 5 / 10
007																	3															2.5 / 5 / 10
008																	3															2.5 / 5 / 10
009																	3															2.5 / 5 / 10
010																	3															2.5 / 5 / 10
011																	3															2.5 / 5 / 10
012																	3															2.5 / 5 / 10
013																	3															2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																5/C			8/11/24													2.5 / 5 / 10
018																																2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10

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

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 26Mar2020
	Document No.: **ENV-FRM-GBAY-0014-Rev.00**	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40231486

40231486

Client Name: AECOM MKE

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 8/11/21 AW Seals intact: ☐ yes ☐ no 8/11/21 AW

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - 11 **Type of Ice:** Wet Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0 /Corr: 0

Person examining contents:
Date: 8/11/21 /Initials: WC

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

Labeled By Initials: AW

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
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 8/11/21 AW	5. 8/11/21 AW
- VOA Samples frozen upon receipt	☑Yes ☐No	Date/Time: 8/11/21 13:15
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 8/11/21 AW	
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 W	8/12/21 CDH	
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 463		

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

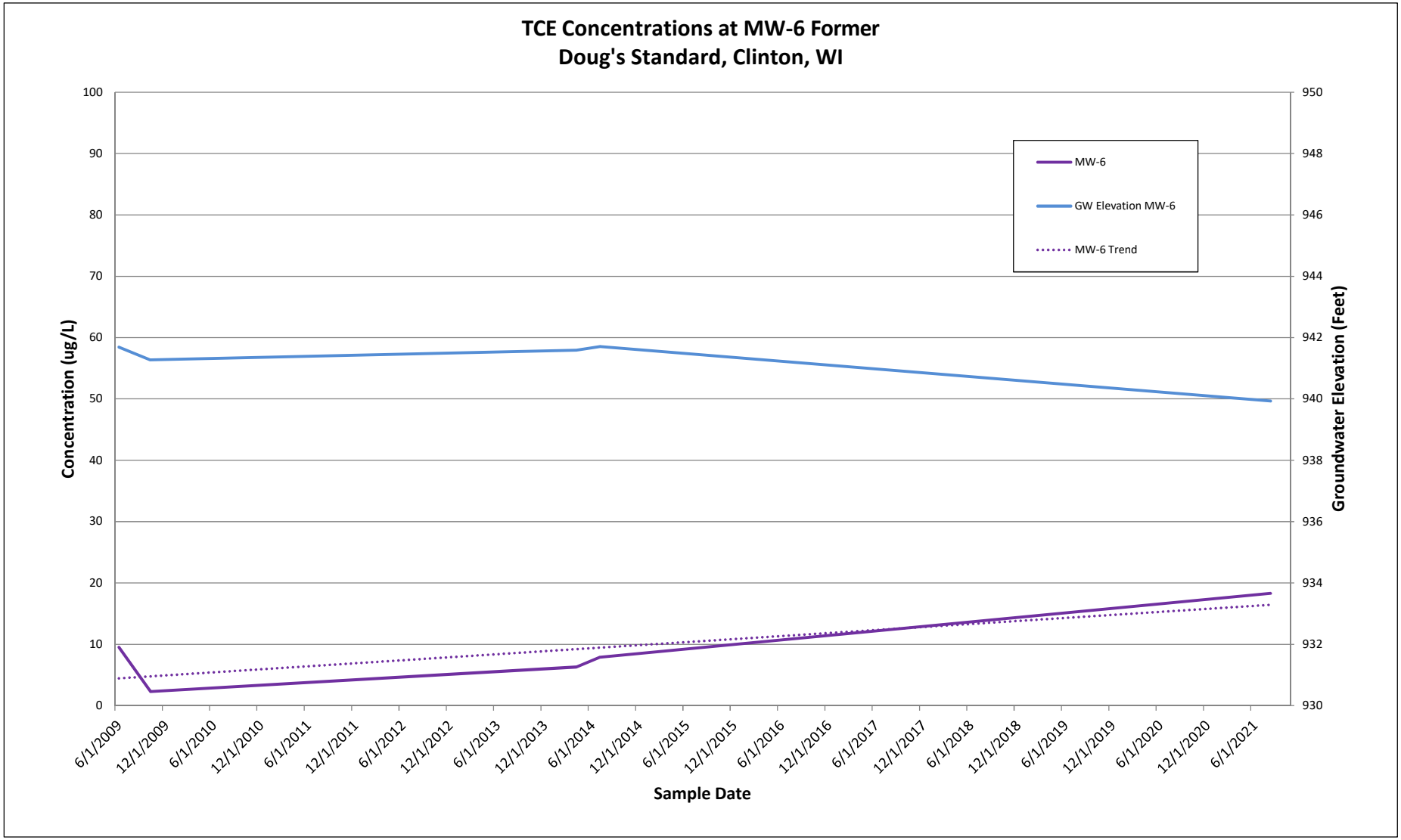
Person Contacted: Date/Time:

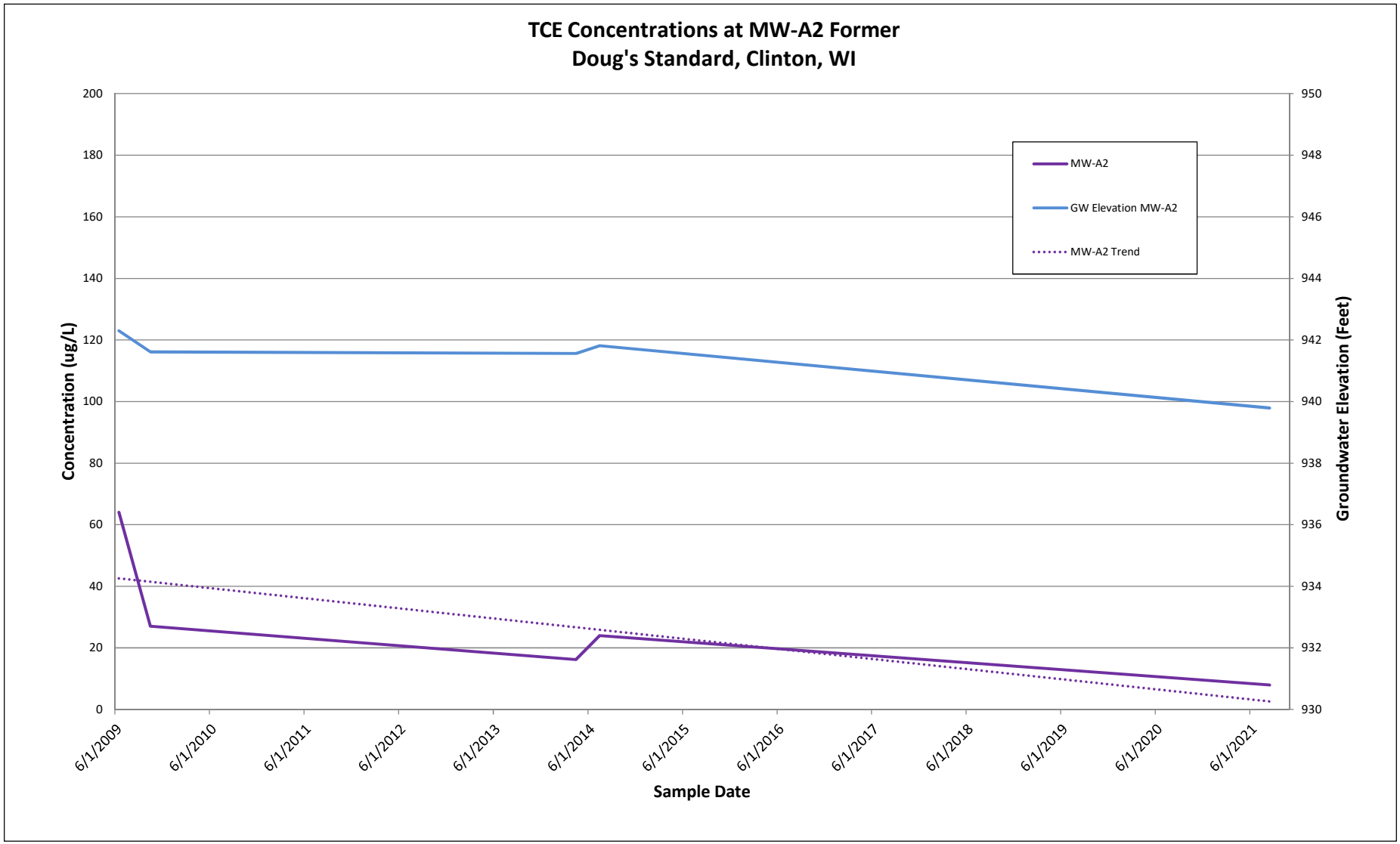
Comments/ Resolution:

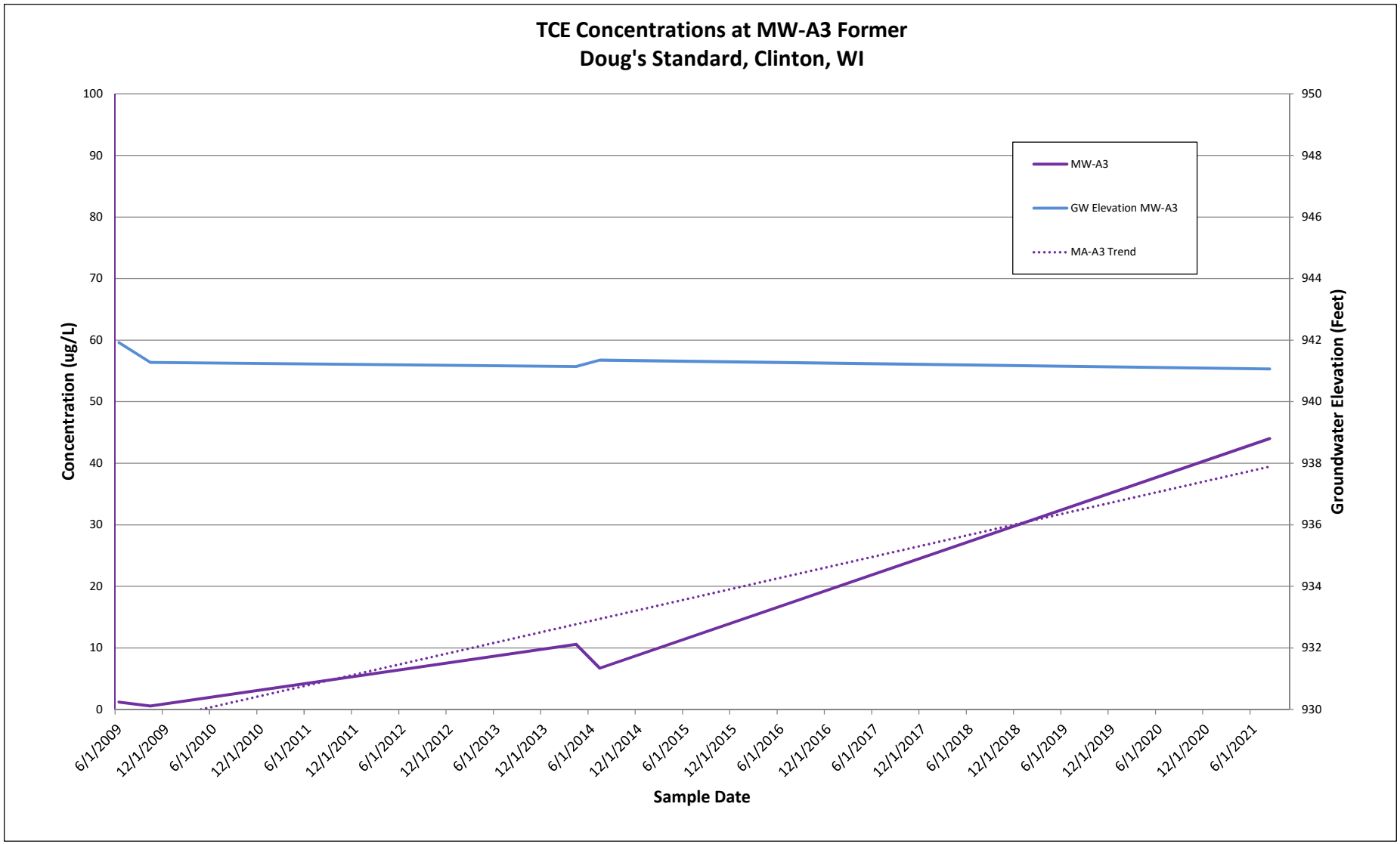
PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

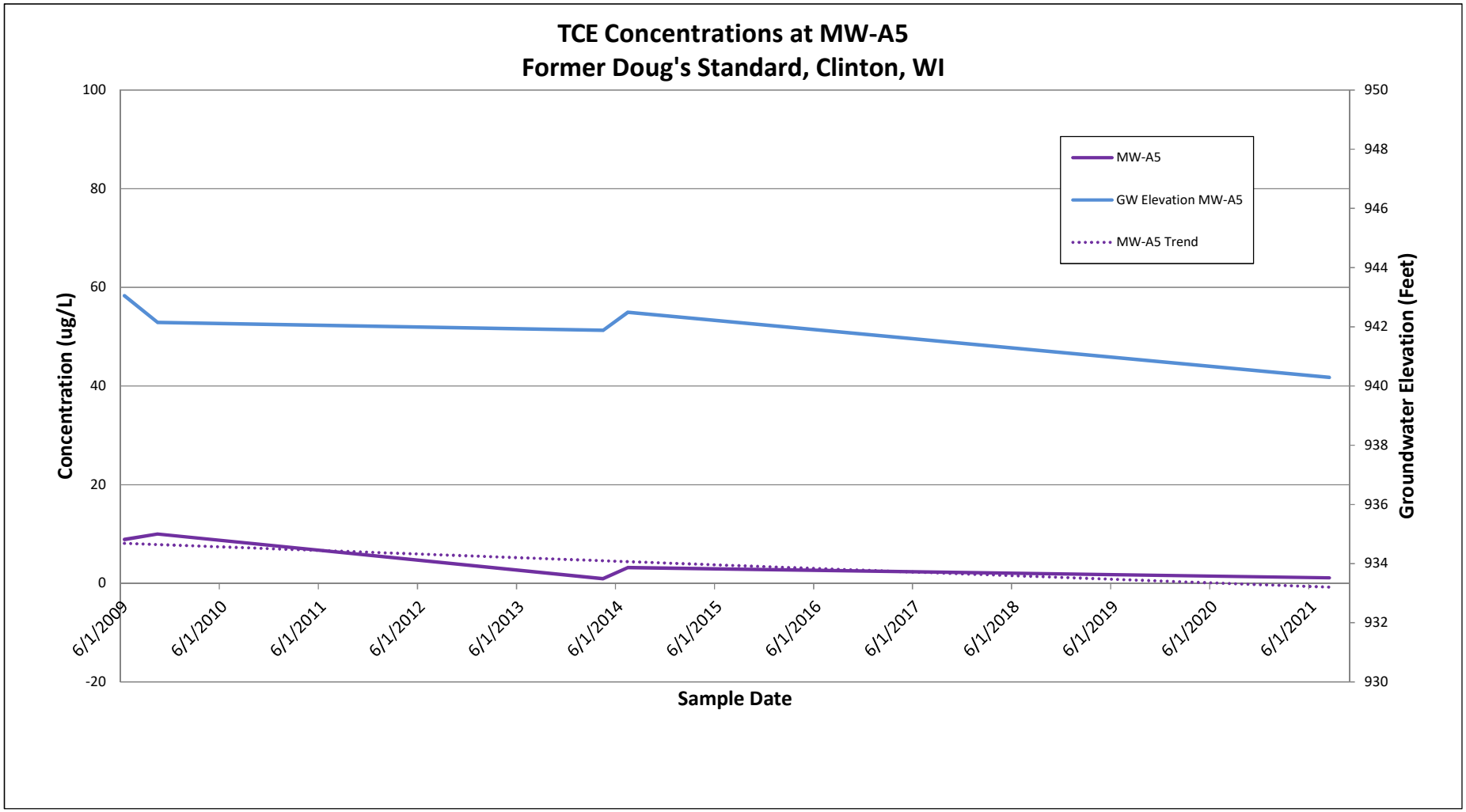
Page 2 of 2

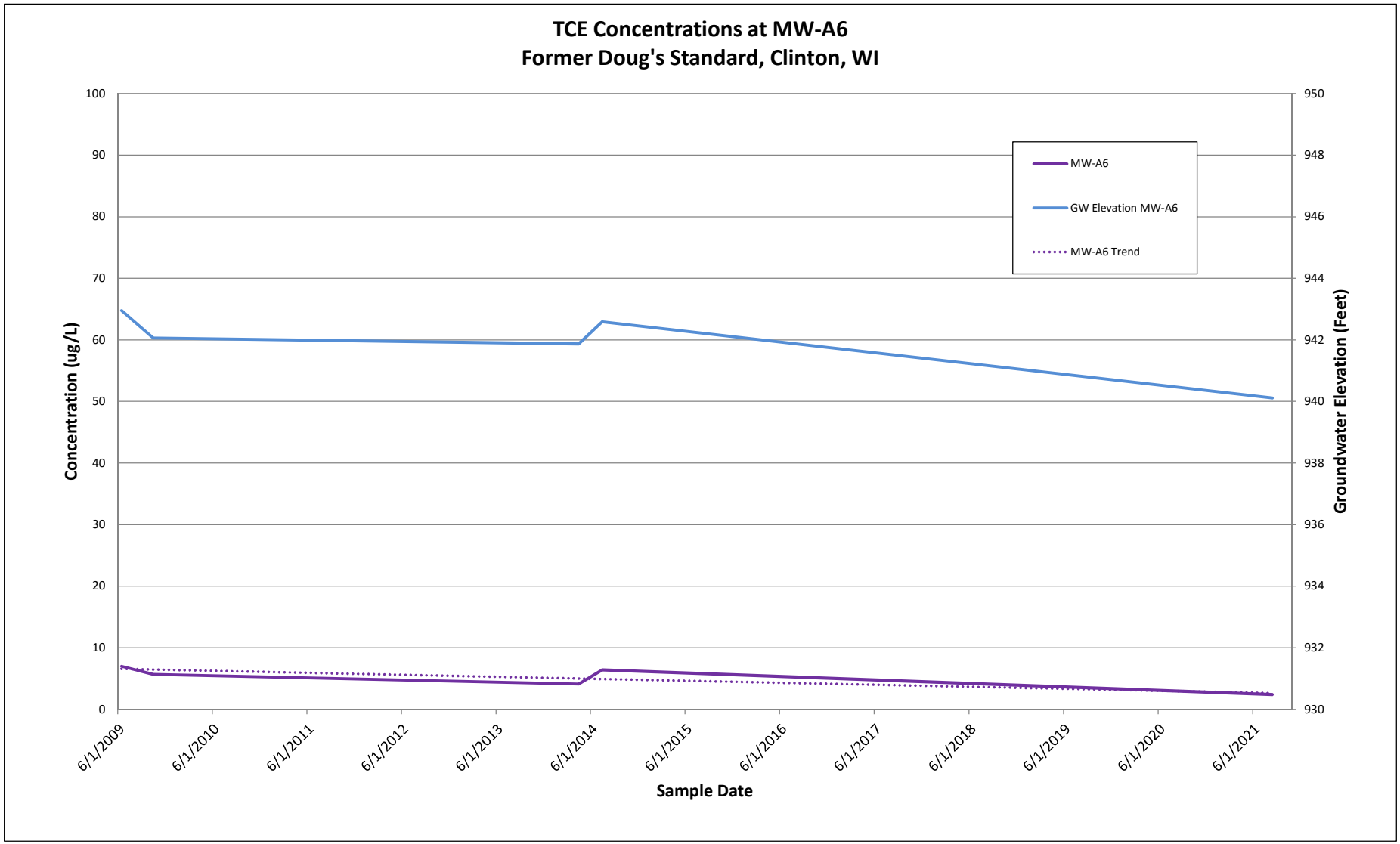
Appendix E TCE Concentration Trend Graphs for MW-6, MW-A2, MW-A3, MW-A5, MW-A6


TCE Concentrations at MW-6 Former
Doug's Standard, Clinton, WI
Concentration (ug/L)
Groundwater Elevation (Feet)
Sample Date
MW-6
GW Elevation MW-6
MW-6 Trend
0
10
20
30
40
50
60
70
80
90
100
930
932
934
936
938
940
942
944
946
948
950
6/1/2009
12/1/2009
6/1/2010
12/1/2010
6/1/2011
12/1/2011
6/1/2012
12/1/2012
6/1/2013
12/1/2013
6/1/2014
12/1/2014
6/1/2015
12/1/2015
6/1/2016
12/1/2016
6/1/2017
12/1/2017
6/1/2018
12/1/2018
6/1/2019
12/1/2019
6/1/2020
12/1/2020
6/1/2021


TCE Concentrations at MW-A2 Former
Doug's Standard, Clinton, WI
Concentration (ug/L)
Groundwater Elevation (Feet)
Sample Date
MW-A2
GW Elevation MW-A2
MW-A2 Trend
0
20
40
60
80
100
120
140
160
180
200
930
932
934
936
938
940
942
944
946
948
950
6/1/2009
6/1/2010
6/1/2011
6/1/2012
6/1/2013
6/1/2014
6/1/2015
6/1/2016
6/1/2017
6/1/2018
6/1/2019
6/1/2020
6/1/2021


TCE Concentrations at MW-A3 Former
Doug's Standard, Clinton, WI
Concentration (ug/L)
Groundwater Elevation (Feet)
Sample Date
MW-A3
GW Elevation MW-A3
MA-A3 Trend
100
90
80
70
60
50
40
30
20
10
0
950
948
946
944
942
940
938
936
934
932
930
6/1/2009
12/1/2009
6/1/2010
12/1/2010
6/1/2011
12/1/2011
6/1/2012
12/1/2012
6/1/2013
12/1/2013
6/1/2014
12/1/2014
6/1/2015
12/1/2015
6/1/2016
12/1/2016
6/1/2017
12/1/2017
6/1/2018
12/1/2018
6/1/2019
12/1/2019
6/1/2020
12/1/2020
6/1/2021


TCE Concentrations at MW-A5
Former Doug's Standard, Clinton, WI
Concentration (ug/L)
Groundwater Elevation (Feet)
Sample Date
MW-A5
GW Elevation MW-A5
MW-A5 Trend
100
80
60
40
20
0
-20
950
948
946
944
942
940
938
936
934
932
930
6/1/2009
6/1/2010
6/1/2011
6/1/2012
6/1/2013
6/1/2014
6/1/2015
6/1/2016
6/1/2017
6/1/2018
6/1/2019
6/1/2020
6/1/2021


TCE Concentrations at MW-A6
Former Doug's Standard, Clinton, WI
Concentration (ug/L)
Groundwater Elevation (Feet)
Sample Date
MW-A6
GW Elevation MW-A6
MW-A6 Trend
100
90
80
70
60
50
40
30
20
10
0
950
948
946
944
942
940
938
936
934
932
930
6/1/2009
6/1/2010
6/1/2011
6/1/2012
6/1/2013
6/1/2014
6/1/2015
6/1/2016
6/1/2017
6/1/2018
6/1/2019
6/1/2020
6/1/2021