SSDS Modifications and Supplemental Site Investigation Report

Martinizing Dry Cleaners and Laundry Services
1233 South Military Avenue
Green Bay, Wisconsin

November 8, 2021
Terracon Project No. 58217038
WDNR BRRTS No. 02-05-217270

Prepared for:
Innovative Properties Group, LLC
Manitowoc, Wisconsin

Prepared by:
Terracon Consultants, Inc.
Franklin, Wisconsin

November 8, 2021

Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, Wisconsin 54313-6727

Attention: Ms. Josie Schultz
Telephone: (414) 263-8541
E-mail: josie.schultz@wisconsin.gov

Re: **SSDS Modifications and Supplemental Site Investigation Report**
Martinizing Dry Cleaners and Laundry Services
1233 South Military Avenue
Green Bay, Wisconsin
BRRTS #02-05-217270
Terracon Project No. 58217038

Dear Ms. Schultz:

On behalf of Innovative Properties Group, LLC (Innovative Properties), Terracon Consultants, Inc. (Terracon) has prepared this *Sub-Slab Depressurization System (SSDS) Modifications and Supplemental Site Investigation Report* for the Martinizing Dry Cleaners and Laundry Services property located at 1233 South Military Avenue, Green Bay, Wisconsin

On behalf of Innovative Properties, Terracon respectfully requests concurrence from the Wisconsin Department of Natural Resources (WDNR) that the site investigation is complete, and a response regarding actions moving forward.

Sincerely,

Timothy P. Welch, P.G.
Senior Project Manager

Edmund A. Buc, P.E.
Department Manager

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Copy to: Mr. Qefli Neziri-Innovative Properties Group, LLC

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MARTINIZING DRY CLEANERS AND LAUNDRY SERVICES
1233 SOUTH MILITARY AVENUE
GREEN BAY, WISCONSIN

PROJECT NO. 58217038
NOVEMBER 8, 2021

1.0 INTRODUCTION

On behalf of Innovative Properties Group, LLC (Innovative Properties), Terracon Consultants, Inc. (Terracon) has prepared this *SSDS Modifications and Supplemental Site Investigation Report (SSI)* for the Martinizing Dry Cleaners and Laundry Services property located at 1233 South Military Avenue, Green Bay, Wisconsin.

On May 13, 2021, Terracon submitted a *Sub-Slab Depressurization System Modifications & Supplemental Site Investigation Work Plan* (Work Plan) to the Wisconsin Department of Natural Resources (WDNR). The WDNR approved the Work Plan with comments in a May 24, 2021 electronic mail. The SSI was performed to address the WDNR comments regarding the sub-slab depressurization system (SSDS), subsurface investigation, and reporting at the property.

The SSI consisted of the construction of two NR 141, Wisconsin Administrative Code (WAC) compliant groundwater monitoring wells, collection of two basement ambient air samples, sampling of the groundwater monitoring well network, and compilation of historic data to evaluate soil, groundwater, and vapor quality relative to the documented chlorinated volatile organic compound (CVOC) release.

Innovative Properties retained SWAT Environmental (SWAT), a certified ANSI/AARST local radon abatement contractor, to perform modifications/repairs to the SSDS.

This report documents the SSDS and SSI activities requested by the WDNR which were performed from June 2021 through August 2021.

2.0 PROPERTY LOCATION AND DESCRIPTION

The site is located in part of the northwest quarter of the northwest quarter of Section 34, Township 24 North, Range 20 East, City of Green Bay, Brown County, Wisconsin (Exhibit 1, Appendix A).

The following information is provided in accordance with NR 716.15:

Site Name: Martinizing Dry Cleaners and Laundry Services
BRRTS #02-05-217270

Site Location: City of Green Bay, Brown County, Wisconsin
NW¼ of the NW¼ of Section 34,Township 24 North, Range 20 East
WTM: X=673516 Y=451010
Latitude/Longitude: 44.5160839 º N, - 88.0684033 º W

Responsible Party: Qelfi Neziri
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Environmental Consultant: Timothy P. Welch, P.G.
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The site is located at 1233 South Military Avenue, Green Bay, Wisconsin, and consists of an approximately 0.05-acre portion of a 1.532-acre parcel, identified as parcel # 6-199-5, owned by Innovative Properties Group, LLC. The site is located in a one-story strip-mall developed with commercial businesses. The parent parcel is bordered to the east by a residential area and to the north, south, and west by commercial areas. The One-Hour Martinizing (OHM) site has operated as a dry-cleaning facility for more than 20 years. In 1967, Marti-Chic Corporation of Madison, Wisconsin, opened an OHM franchised dry cleaning facility at the 1233 South Military Avenue location. The strip-mall continues to operate with an active dry-cleaning establishment (OHM), Jim's Music (north adjoining), a vacant shop (south adjoining), and Edward Jones Investments. Additional improvements to the parcel include landscaping, parking lot, and utilities. According to Brown County Tax Records, the site is zoned G-2, Commercial. A site and vicinity map illustrating the subject site, adjoining, and nearby properties is provided as Exhibit 2, Appendix A.

3.0 PROJECT BACKGROUND

The following information was presented in the GEI Consultants (GEI) June 30, 2020, *Documentation Report-Sub-Slab Vapor Mitigation System and Groundwater Sampling*. "There are five tenant spaces in the retail building. The largest tenant space located on the north end of

the building is occupied by Jim's Music and consists of a retail sales area and a lesson area on the ground floor, and equipment storage and repair in the north basement (the south basement is unoccupied). The tenant space adjacent (south) to the lesson area is the One-Hour Marinizing dry cleaners. South of the dry cleaners is an unoccupied space, formerly Williams Tae Kwan Do. The final tenant space at the south end of the building is occupied by Edward Jones". A site diagram is presented as Exhibit 3, Appendix A.

"A release of dry-cleaning solvents occurred in, or prior to, 1999, and reportedly originated from the One-Hour Martinizing tenant space. Groundwater monitoring from 1999 through 2014 indicated groundwater quality has generally improved although monitoring wells located along the east side of the building (Monitoring Wells 1, 3, and 6) still show chlorinated solvents at concentrations exceeding groundwater quality standards".

"In response to environmental monitoring completed in July 2015, the Wisconsin Department of Natural Resources (WDNR) notified Innovative Properties, in a letter dated September 9, 2019, of their responsibilities, as the current owner, to mitigate environmental conditions and subsequently requested indoor ambient air sampling and sub-slab vapor sampling be completed. Ambient air samples along with sub-slab vapor samples were collected on March 4, 2020. Results indicated tetrachloroethene (PCE) concentrations at concentrations exceeding vapor screening levels".

In response to the sub-slab vapor results, an SSDS was installed to mitigate vapor intrusion in May 2020. The SSDS was constructed with horizontal vent piping, as it was stated groundwater was shallow beneath the basement floor slabs. The blower on the SSDS ceased operation in June 2020. The following work was performed after SSDS installation:

- Pressure field extension (PFE) probes, consisting of sub-slab vapor monitoring point installation, to measure vacuum readings;
- Ambient air samples were collected in May 2020 from the occupied tenant spaces. The ambient air samples were collected in summa cannisters, calibrated for 8-hour sample collection, and submitted for volatile organic compound (VOC) laboratory analysis using United States Environmental Protection Agency (USEPA) Method TO-15; and
- Groundwater samples were collected from eight (8) groundwater monitoring wells in April 2020 and submitted for USEPA Method 8260 VOC laboratory analysis. Two wells, MW-4 and MW-7, were not sampled.

Terracon summarizes the following GEI conclusions and recommendations:

- Install a replacement blower for the four (4) extraction points along the exterior wall of the east building;
- Collect vacuum readings from all sub-slab points on a monthly basis for six (6) months;
- Inspect the SSDS, and collect vacuum and photoionization readings from the SSDS monthly;
- Collect groundwater samples on an annual basis for USEPA Method 8260 analysis;

- Replace groundwater monitoring well MW-7 (direct-push temporary well) with a 2-inch, Wisconsin Administrative Code (WAC) NR 141-compliant groundwater monitoring well;
- Collect groundwater samples from the two sumps (S-1 and S-2). Sump water analyte and method were not provided, but is expected to be USEPA Method 8260 VOCs;
- Complete an audit of the existing dry-cleaning operation; and
- Complete a vapor survey of the utility laterals of the property.

On August 6, 2020 the WDNR responded electronically with the following:

"I've performed a review of the interim action report, and have a few comments/edits. I've noted that you will be submitting an addendum to the report once the blower system is installed. When this addendum is submitted, please also include the following edits to the report:

- Table 2 (page 10) needs the VRSLs and VALs added to the table, along with all compounds that were detected
- Table 3 (page 11) needs the PAL values added to the table
- Maps should include utilities, site/parcel boundaries, and include a scale.
- OM&M plan to be included.

Comments:

1. Are there PFE ports in Edward Jones? If not, port(s) will need to be installed for vacuum readings.
2. Future vapor sampling should only analyze for contaminants of concerns (CVOCs)
3. DNR agrees that MW-4 and MW-7 should be replaced with NR 141 compliant monitoring wells.
4. DNR recommends natural attenuation parameters be analyzed next round of groundwater sampling.
5. DNR agrees that groundwater samples should be obtained from basement sumps – this data should be submitted to the DNR immediately in order to review with the wastewater program and City of Green Bay.
6. Include past groundwater and soil sampling results in future report tables".

On October 26, 2020, the WDNR responded to GEIs *Documentation Report-Sub-Slab Vapor Mitigation System and Groundwater Sampling*. The following is a summary of the letter:

- Interim Action Design Concerns- Eleven (11) deviations from American Nation Standards Institute & American Association of Radon Scientists and Technologists (ANSI/AARST) standards were listed as potentially not met;
- Commissioning Requirements- Along with the listed ANSI/AARST standards not met, the SSDS has not been properly commissioned to verify the effectiveness of the mitigation. Proper PFE has not been performed to ensure good communication and vapor capture beneath the slab;
- Long-Term Operation, Monitoring, and Maintenance-A long term operation, monitoring, and maintenance (OM&M) plan is required for each system that specifies the conditions

that must be maintained and monitored for continued long term protection from vapor intrusion; and

- Timeline- 1) The new blower fan should be installed, and VMS inspected, by November 6, 2020. Additional commissioning of the system, including PFE testing, fan vacuum readings, and smoke/tracer testing should be performed during this time, 2) Plumbing should be corrected (i.e., removal of vent from sanitary lateral), VMS be brought up to ANSI/AARST standards, and recommended tracer testing be performed to ensure no short-circuiting is occurring, by November 30, 2020, 3) Indoor air sampling, as part of the commissioning process and performance verification, should be completed concurrent with PFE measurements, or within two weeks, and results provided to the DNR within 10 days, and 4) Documentation and/or addendum to vapor mitigation system construction documentation should be submitted to the WDNR by December 30, 2020.

On March 10, 2021, Terracon and SWAT, a certified ANSI/AARST local radon abatement contractor, met with Ms. Josie Schulz from the WDNR, to inspect the SSDS, address the noted WDNR deviations, and provide a cost estimate to construct/commission the SSDS in accordance with ANSI/AARST standards

4.0 SSDS MODIFICATIONS AND SUPPLEMENTAL SITE INVESTIGATION PROCEDURES

On May 13, 2021, Terracon submitted a Work Plan to the WDNR. The Work Plan was prepared to address the WDNR's request for SSDS modifications and SSI. The SSI included retaining SWAT to perform the WDNR requested SSDS modifications, advancing two (2) soil borings (MW-4R and MW-7R), constructing two NR 141, WAC-compliant, groundwater monitoring wells (MW-4R and MW-7R), and collecting two indoor air ambient air samples (AMB-1 and AMB-2). Site features, soil boring, and groundwater monitoring well locations are presented on Exhibit 3, Appendix A.

4.1 Sub-Slab Depressurization System Modifications

Four existing SSDSs (B1 through B4) were reinstalled and modified by SWAT beneath Jim's Music. One additional SSDS, B5, was previously installed beneath the remainder of the strip-mall properties. Systems B1 through B4 were reinstalled/modified on June 9 through 11, 2021, with the SSDS modifications completed on June 11, 2021. The electrical wiring was completed, and the SSDS were fully operational on July 20, 2021.

SWAT rerouted each SSDS through the foundation wall below grade, relocated all basement fans to the building exterior and added new vent lines to the exterior of the building so each SSDS has its own fan. Depressurization fans are GP501 RadonAway fans, each located on the exterior of the building, with 3-inch polyvinyl chloride (PVC) discharge stacks that extend approximately 20-inches above the roof line. Four sumps (S1 through S4) are present in the Jim's Music tenant

space . The four sump lids were sealed properly, and 4-inch mechanical access, viewing ports, and trapped drains were added to each lid. Each sump was installed with a differential pressure gauge on the pipes leading from the sumps to monitor that the fans are operating properly. Waterboard drainage systems were sealed in manners that allow water to pass through but block airflow from escaping under the foundations. On August 23, 2021, Terracon personnel inspected the SSDS components to verify they were modified to specifications. Terracon recorded readings on the interior gauges located on each riser to verify each SSDS was operating. Readings of 0.1, 1.0, 1.9, and 3.2 inches of water column were recorder for B1 through B4, respectively.

SWAT's *SSDS Operation and Maintenance Plan/Post-Installation Report,* dated July 28, 2021, is included in Appendix B.

4.2 Supplemental Site Investigation Procedures

4.2.1 Health and Safety Plan

Terracon is committed to the safety of all its employees. As such, and in accordance with our *Incident and Injury Free*® safety goals, Terracon developed a safety plan to be used by our personnel during field services. Prior to commencement of on-site activities, Terracon held brief health and safety meetings to review health and safety needs for this specific project. Field work was performed in a USEPA Level D work uniform consisting of hard hats, safety glasses, protective gloves, and steel toed boots was sufficient to perform the field activities.

4.2.2 Locate Utilities in Work Area

In an effort to locate utilities in the work area, Terracon reviewed site plans provided to us and contacted Diggers Hotline. To the extent practicable, the locations and depths of the various utilities were identified. A private utility locator was contracted to locate private, on-site utilities not marked by Diggers Hotline.

4.2.3 Soil Borings

On June 15, 2021, Terracon personnel supervised the advancement of soil borings MW-4R and MW-7R. The borings were advanced using a drill rig capable of collecting soil samples using direct-push methods as well as turning hollow-stem augers. Soil borings MW-4R and MW-7R were each advanced to approximately 20 feet bgs. Soil boring locations are depicted on Exhibit 3, Appendix A.

Decontamination procedures were used during all boring activities, which consisted of cleaning drilling equipment using a high-pressure washer prior to beginning the project and before beginning each boring and/or monitoring well. Non-dedicated sampling equipment was cleaned using an Alconox® detergent wash and potable water rinse prior to commencement of the project

and between uses.

Soil samples were collected continuously using a 5-foot long, 2-inch diameter core barrel sampler that was equipped with disposable PVC liners. Soil samples were classified in general accordance with the Unified Soil Classification System. The soil characteristics (stratigraphy, color, and odors) and pavement thickness in each boring were noted on the soil boring logs. Soil samples were screened on site using a RAE Systems MiniRAE 3000 photoionization detector (PID) to detect the presence of VOCs. This device provides a direct reading in parts per million by volume (ppmv) isobutylene equivalents. Upon removal of the sampler from the borehole, Terracon put a portion of each sample in a sealed bag with a volume of air space approximately equivalent to the volume of soil. After a stabilization period, Terracon screened the headspace above the soil using the PID equipped with a 10.6 electron-volt (eV) ultraviolet lamp source. Terracon calibrated the PID in accordance with the manufacturer's recommendations using isobutylene gas at a concentration of 100 ppmv prior to beginning the investigation.

Surficial materials consisted of asphalt. The asphalt was underlain by base course gravel and predominately silty clay to clay to the boring terminus at both boring locations. Detailed soil descriptions and PID readings are presented on the soil boring logs included in Appendix D. Select photographs taken during the LSI are included in Appendix E.

Two soil samples per direct-push soil boring (MW-4R and MW-7R) were collected for laboratory analysis. PID readings were <1 ppm within the soil column. One soil sample was collected for analysis from the upper four feet, and a second sample was collected from below four feet. At each soil boring, the shallow soil sample was collected at 3 feet bgs. At MW-4R and MW-7R, the deeper soil sample was collected from immediately above the apparent soil/groundwater interface at 7 feet bgs and 8 feet bgs, respectively.

Soil samples were collected in laboratory-supplied containers, placed in an ice chest to cool to approximately 4 degrees Celsius (°C), and transported under chain-of-custody (COC) protocol to Pace Analytical Services, Inc. (Pace) of Green Bay, Wisconsin for analysis. Soil samples were analyzed for VOCs using USEPA Method 8260B.

4.2.4 Groundwater Monitoring Well Construction, Development and Surveying

On June 15, 2021, upon completion of soil sampling, two groundwater monitoring wells (MW-4R and MW-7R) were constructed using hollow-stem augers per NR 141, WAC. MW-4R and MW-7R were constructed to replace MW-4 and MW-7, respectively. MW-4 and MW-7 were abandoned per Chapter NR 141, WAC. Groundwater monitoring well abandonment forms are attached in Appendix D.

Groundwater monitoring wells MW-4R and MW 7R were constructed to depths of 14 feet bgs and 16 feet bgs, respectively. The groundwater monitoring wells were constructed with 2-inch inside-

diameter PVC riser pipe coupled to a 10-foot section of 0.010-inch slot, PVC well screen. A sand filter pack was then placed around the screens to a depth of approximately 1 foot above the top of the screen. The remainder of the borehole was filled with bentonite to near the ground surface. The groundwater monitoring wells were each completed in a concrete pad with a steel, bolt-down, flush-mount protective cover assembly. The groundwater monitoring well construction forms are included in Appendix D.

On June 17, 2021, groundwater monitoring wells MW-4R and MW-7R were developed with disposable bailers per NR 141, WAC. The goal of well development is to produce groundwater samples representative of the screened interval that are free of sediments. Groundwater monitoring wells MW-4R and MW-7R were purged dry three times until the purge water was mostly free of sediment; approximately 15 gallons were purged from each. The groundwater monitoring well development forms are included in Appendix D.

The elevations of the ground surface and reference point on the casings of all the groundwater monitoring wells and piezometers were surveyed relative to a fire hydrant tag bolt located at 1223 St. Agnes Drive, with a base elevation of 632.90 feet mean sea level. The hydrant elevation was provided by the City of Green Bay (NAVD 1988). The top of casing elevations were surveyed to an accuracy of 0.01 foot.

Investigation-derived wastes (IDW), including soil cuttings and development water, were containerized in labeled 55-gallon drums for temporary storage on-site. On August 13, 2021, Covanta Environmental Solutions removed the three 55-gallon drums from the site for proper disposal. Investigation-derived waste documentation is attached in Appendix F.

4.2.5 Vapor Assessment

On August 25, 2021, Terracon performed ambient air sampling from the northeastern corner of the basement (AMB-1), and north corner of Jim's Music (AMB-2) approximately 1 month after the SSDS became operational. Ambient air samples were collected using laboratory-prepared 6-liter Summa canisters with a flow regulator calibrated for 8-hour sample collection.

The ambient air samples were submitted under COC protocol to Pace for analysis of PCE, trichloroethene (TCE), trans-1,2-Dichloroethene (trans-DCE), cis-1,2-Dichloroethene (cis-DCE), and vinyl chloride (VC) using USEPA Method TO-15. The ambient air locations are shown on Exhibit 3, Appendix A.

4.2.6 Groundwater Sampling

On July 8, 2021, Terracon personnel collected groundwater samples from the groundwater monitoring well network. The monitoring wells' expandable caps were opened, and groundwater elevations were allowed to equilibrate prior to measuring static water levels. Static water levels

were collected from the entire groundwater monitoring well network prior to sampling. Groundwater elevations are summarized in Table 2, Appendix C.
Groundwater was then extracted from the groundwater monitoring wells using a peristaltic pump, with dedicated polyethylene drop tubing used for each well. Field measurements of dissolved oxygen (DO), temperature, pH, specific conductivity, and oxidation-reduction potential (ORP) were recorded with a water quality meter during the low-flow sampling procedure until stable measurements were obtained. Generally, a goal of three consecutive readings within 10% taken a minimum of three minutes apart during purging is indicative that groundwater in the well has stabilized. After groundwater conditions stabilized, groundwater samples were then collected.

Groundwater samples were collected from groundwater monitoring wells MW-1 through MW-3, MW-4R, MW-5, MW-6, MW-7R, PZ-1, PZ-2, and PZ-6 in laboratory-supplied sample containers, placed on ice, and submitted under COC control to Pace for laboratory analysis of VOCs by USEPA Method 8260B. Groundwater samples from groundwater monitoring wells MW-1 through MW-3, MW-4R, MW-5, MW-6, and MW-7R were also submitted for laboratory analysis of total organic carbon (TOC) by USEPA Method 5310C, and methane, ethane, and ethene (MEE) by USEPA Method 8015.

One trip blank sample was transported with groundwater samples submitted for laboratory analyses, and a duplicate groundwater sample (MW-1) was also collected. The trip blank and duplicate groundwater samples were submitted for analysis of VOCs by USEPA Method 8260B. Sample collection, handling, and storage were performed in accordance with WDNR protocol and standard COC requirements. Laboratory analytical test reports, the COC records, and Groundwater Field Sampling Sheets are presented in Appendix G.

5.0 SUPPLEMENTAL SITE INVESTIGATION RESULTS

5.1 Soil Analytical Data

The WDNR has established guidance for the calculation of soil RCLs for direct-contact exposure and the protection of groundwater. The guidance document, *Soil Residual Contaminant Level Determinations using the US EPA Regional Screening Level Web Calculator*, PUB-RR-890, dated January 2014 (with input parameters updated as of December 2018) was used to establish RCLs for this site.

VOCs were not detected at concentrations above their laboratory analytical limit of detection (LOD) within soil samples collected from soil boring location MW-7R. Soil sample MW-4R (3') contained methylene chloride (MC) at a concentration above its soil to groundwater pathway RCL of 38.4 micrograms per kilogram (ug/kg); however, the detection was flagged as being detected between its LOD and limit of quantitation (LOQ). Also, MC is a common laboratory contaminant and may not actually be present. The deeper soil sample collected from MW-4R at 7 feet bgs did

not contain VOCs at concentrations above their LODs. Non-industrial, direct-contact RCLs were not exceeded in soil sample MW-4R (3').

A historical soil analytical test results summary table is included as Table 1, Appendix C. Laboratory reports and the COC documentation are included in Appendix G.

5.2 Vapor Analytical Data

The WDNR prepared the guidance document titled Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin, (pub-RR-800) dated January 2018, as guidance to identify conditions and assess potential vapor intrusion pathways. The WDNR uses indoor vapor action levels (VALs) based on USEPA screening level tables, applying a 1 x 10^{-5} excess lifetime cancer risk.

Terracon compared the soil gas analytical results to the USEPA Regional Screening Level Indoor Air Vapor Action Levels for Various VOCs (May 2021 from the website http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_tables/index.htm. Vapor Risk Screening Levels (VRSLs) were calculated by applying an attenuation factor of 0.01 (deep soil gas) to the Vapor Action Levels (VALs) for comparison with the analytical results based on the WDNR guidance document, utilizing the residential/small commercial building standards. Since the buildings are used for commercial operations, and the property is zoned commercial, small commercial building VRSLs and VALs standards were used for comparison to vapor analytical results.

PCE, TCE, and trans-DCE were detected at concentrations above their laboratory analytical LOD in both ambient air samples. PCE was detected at a concentration of 685 micrograms per cubic meter (ug/m^3) at AMB-1 and 1,990 ug/m^3 at AMB-2, which exceeds its small commercial/industrial building VAL of 180 ug/m^3. TCE was detected at concentrations above its residential indoor air VAL, but below its small commercial VAL at both sampling locations. Trans-DCE concentrations were 1.9 and 0.91 ug/m^3 for AMB-1 and AMB-2, respectively. There is no established VAL for trans-DCE.

Historical laboratory analytical data relative to standards is presented on Table 3, Appendix C. The laboratory analytical reports, vapor sampling information sheets, and associated COC documentation are provided in Appendix G.

5.3 Site Hydrogeology

Static groundwater levels were measured at each of the seven groundwater monitoring wells and three piezometers during the July 8, 2021, groundwater monitoring event. Groundwater elevations during this reporting period ranged from a high of 3.13 (MW-4R) to a low of 6.27 (PZ-6) feet below the top of PVC casing. Shallow groundwater flow was generally toward the northeast, at a

horizontal hydraulic gradient that ranges from approximately 0.010 feet per feet (ft/ft) to 0.023 ft/ft. A comparison of groundwater elevations in the monitoring well/piezometer well nests indicated upward vertical gradients of 0.0498 ft/ft (4.98 %) in MW-1/PZ-1 and 0.126 ft/ft (12.6 %) in MW-6/PZ-6, and a downward vertical gradient of 0.0279 ft/ft (2.79 %) in MW-2/PZ-2.

A summary of groundwater elevation data is included as Table 2, Appendix C. A groundwater contour map generated from static water levels collected on July 8, 2021 is included as Exhibit 4, Appendix A.

5.4 Groundwater Analytical Results

The WDNR has established groundwater quality standards, which are set forth in NR 140, WAC (June 2021). For each regulated compound, two standards have been established, the ES and the PAL. In general, if the regulated contaminant exceeds the PAL, but is below the ES, the WDNR may require additional investigation/continued monitoring. If the regulated contaminant is above its ES, the WDNR may require additional investigation, continued monitoring, and/or remediation.

The groundwater samples collected from groundwater monitoring wells MW-1, MW-3, MW-6, MW-7R, and PZ-1 contained one or more VOCs at concentrations above their analytical LODs. PCE was detected above its PAL in PZ-1 (2.8 micrograms per liter [µg/L]) and above its ES in monitoring wells MW-1 (943 µg/L), MW-3 (32.5 µg/L), and MW-6 (31.7 µg/L). TCE was detected above its ES in MW-6 (5.8 µg/L) and above its PAL in MW-1 (4.4 µg/L) and PZ-1 (2.6 µg/L). MW-6 also contained vinyl chloride equal to its ES of 0.20 µg/L. VOCs were not detected at concentrations above their analytical LODs in groundwater monitoring wells MW-2, MW-4R, MW-5, PZ-2, and PZ-6.

Sump-1 and Sump-2 were also sampled as part of the July 8, 2021, sampling event. PCE (626 µg/L) and TCE (6.4 µg/L) were detected above their respective ESs in the groundwater sample collected from Sump-1. Methylene Chloride (1.4 µg/L) and PCE (1.3 µg/L) were detected at concentrations above their respective PALs in the sample collected from Sump-2. Groundwater analytical results for detected VOCs are summarized on Table 4, Appendix C. Laboratory reports and the COC documentation are included in Appendix G.

5.5 Field Measurements and Geochemical Analysis

The WDNR guidance document *Understanding Chlorinated Hydrocarbon Behavior in Groundwater* (*RR-699,* April 2003) presents geochemical parameters that should be considered when sampling sites impacted with chlorinated hydrocarbons. Reference values are provided for field measurements and geochemical analytical parameters to assess aquifer characteristics.

Field measurements of temperature, conductivity, DO, and ORP were recorded, and geochemical laboratory analysis of TOC and MEE was performed for groundwater monitoring wells MW-1 through MW-3, MW-4R, MW-5, MW-6, and MW-7R to evaluate groundwater geochemistry with respect to the reductive dechlorination of PCE. The following is a general summary of trends associated with the geochemical parameters and field measurements collected in July 2021.

Specific conductivity results ranged in concentrations from 0.695 millisiemens per centimeter (ms/cm) in groundwater monitoring well MW-3 to 5.126 ms/cm in groundwater monitoring well MW-4R. Positive ORP readings, ranging from 33.6 millivolts (mV) in groundwater monitoring well MW-6 to 87.5 mV in groundwater monitoring wells MW-1 and MW-3 were recorded, with 50 millivolts and lower being the standard for reductive dechlorination support. DO readings ranged from 2.11 milligrams per liter (mg/L) in groundwater monitoring well MW-4R to 9.46 mg/L in groundwater monitoring well MW-5, with <0.5 mg/L being indicative of conditions supporting reductive dechlorination.

Methane was detected at concentrations ranging from analytical LODs to 11.3 ug/L in MW-6. Ethane and ethene were not detected at concentrations above analytical LODs. TOC concentrations ranged from 1.4 mg/L to 4.2 mg/L. Concentrations above 20 mg/L are considered necessary for reductive dechlorination to proceed. Field measurements and geochemical parameters are summarized on Table 5, Appendix C. Laboratory reports and the COC documentation are included in Appendix G.

6.0 EVALUATION AND CONCLUSIONS

From June 2021 through August 2021, Terracon performed supplemental investigation to evaluate current soil and groundwater quality, and assess vapor, in accordance with Terracon's Work Plan. In June 2021, SSDS modifications were completed to bring the existing SSDS into compliance with ANSI/AARST standards. The following sections summarize the results of the work.

6.1 SSDS Modifications

Modifications were made to the four SSDS (B1 through B4) as requested. Readings collected from the interior gauges on August 23, 2021 indicated that each SSDS was operational. The sumps were sealed, and sampling ports installed. Each SSDS should be monitored per SWATs recommendations, and a log maintained to document SSDS operation.

6.2 Soil Contamination

Soil borings MW-4R and MW-7R were advanced adjacent to groundwater monitoring wells MW-4 and MW-7 prior to the construction of NR 141, WAC-compliant groundwater monitoring wells. Soil samples collected from soil boring MW-7R did not contain VOCs at concentrations above

laboratory analytical LODs, and methylene chloride, a common laboratory contaminant was the only VOC detected in MW-4R, and it was detected in the shallow sample above its soil to groundwater pathway. The extent of soil contamination has been defined to the extent practical between the building and St. Agnes Drive, and additional soil investigation is not warranted.

6.3 Vapor Contamination

Both ambient air samples collected in August 2021 (AMB-1 and AMB-2) contained PCE at concentrations above the small commercial building VALs, which is consistent with the ambient air samples collected in 2020 by others. Ambient air samples were also collected in each business space in the mall in 2020 by others, and the samples contained PCE above its small commercial building VAL.

Sub-slab vapor samples were collected from each business space in the mall by a previous consultant. PCE was detected in each location above its small commercial/industrial VRSL, except for the sample collected from the southernmost business, Edward Jones. TCE was detected at concentrations above its small commercial VRSL in Jim's Music Retail and above its residential VRSL in One-Hour Martinizing and Jim's Music Lesson. Continued operation of the SSDS is needed, with periodic ambient air sample collection from the basement and floor levels to evaluate air quality and system performance.

6.4 Hydrogeology

Groundwater at the project area is relatively shallow in the clay material, ranging from approximately 3.13 feet bgs at groundwater monitoring well MW-4R, located on the north west side of the building, to approximately 6.27 feet bgs at PZ-6, which is in the central portion of the site. Groundwater flow is to the southeast, at a horizontal gradient that ranges from approximately 0.010 feet per feet (ft/ft) to 0.023 ft/ft. A comparison of groundwater elevations in the groundwater monitoring well/piezometer nests indicated upward vertical gradients of 0.0498 ft/ft (4.98 %) in MW-1/PZ-1 and 0.126 ft/ft (12.6 %) in MW-6/PZ-6, and a downward vertical gradient of 0.0279 ft/ft (2.79 %) in MW-2/PZ-2.

6.5 Groundwater Contaminant Plume

Groundwater monitoring at the site was initiated in 1999 in six wells. In 1999, the highest PCE concentration (23,000 ug/L) was present in groundwater monitoring well MW-1. In the latest groundwater sampling event performed in July 2021, PCE was detected at a concentration of 943 ug/L in MW-1 which is above its ES of 5 ug/L, but much lower than the 1999 results. Groundwater samples from MW-3 and MW-6 in July 2021 also contained PCE at concentrations above its ES. Groundwater monitoring well MW-6 had PCE and TCE at concentrations of 124 ug/L and 62 ug/L, respectively in January 2000. The PCE and TCE concentrations in MW-6 dropped to 31.7 and 5.8 ug/L, respectively in July 2021. PCE was detected above its PAL in PZ-1 and TCE was

detected above its PAL in MW-1 and PZ-1. PCE and TCE were detected above their respective ES values in the groundwater sample collected from Sump-1. There were no ES exceedances in the water collected from Sump-2 in July 2021; however, methylene chloride and PCE were detected at concentrations above their respective PAL values.

Overall, the CVOC groundwater contaminant concentrations have decreased in the source area surrounding MW-1/PZ-1, and the dissolved-phase CVOC groundwater contaminant plume is defined, as it does not extend to the far north (MW-7R), south (MW-5), or west (MW-4R) boundaries of the parcel. The CVOC contaminant plume does not appear to extend across St. Agnes Drive where the MW-2/PZ-2 well nest is located.

There are some primary lines of evidence of reductive dechlorination as evidenced by the presence of TCE, cis-DCE and VC in several wells. However, the July 2021 field measurements and geochemical laboratory analysis indicates that natural attenuation by reductive dechlorination processes is being hindered by geochemical conditions, notably a low TOC concentration.

7.0 RECOMMENDATION

Terracon makes the following recommendations:

- Develop a workplan/schedule for interior 8-hour ambient air sampling, pressure field extension testing using the existing sub-slab vapor monitoring points, and documentation of SSDS operation.
- Implement a semi-annual groundwater sampling and analysis (SAP) plan to evaluate CVOC contaminant attenuation and document plume stability.

The workplan and SAP will be developed/implemented after the WDNR reviews this report and provides comments regarding strategy moving forward.

8.0 GENERAL COMMENTS

The analysis and opinions expressed in this report are based upon data obtained from the previous assessments and laboratory chemical analyses at the indicated locations or from other information discussed in this proposal. This report does not reflect variations in subsurface stratigraphy, hydrogeology, and contaminant distribution that may occur across the site. Actual subsurface conditions may vary and may not become evident without further assessment.

This report was prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted environmental engineering practices. Materials supplied by Regenesis may be influenced by several site-specific factors that affect their performance. No warranties, express or implied are intended or made. In the event any changes in the nature or location of suspected sources of contamination as outlined

in this report are observed, the conclusions and recommendations contained in this proposal shall not be valid unless these changes are reviewed and the opinions of this proposal are modified or verified in writing by Terracon.

9.0 CERTIFICATIONS

I, Edmund A. Buc, P.E., hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all 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.

E-32096
Signature and P.E. number

Department Manager
Title

I, Timothy P. Welch, P.G., hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

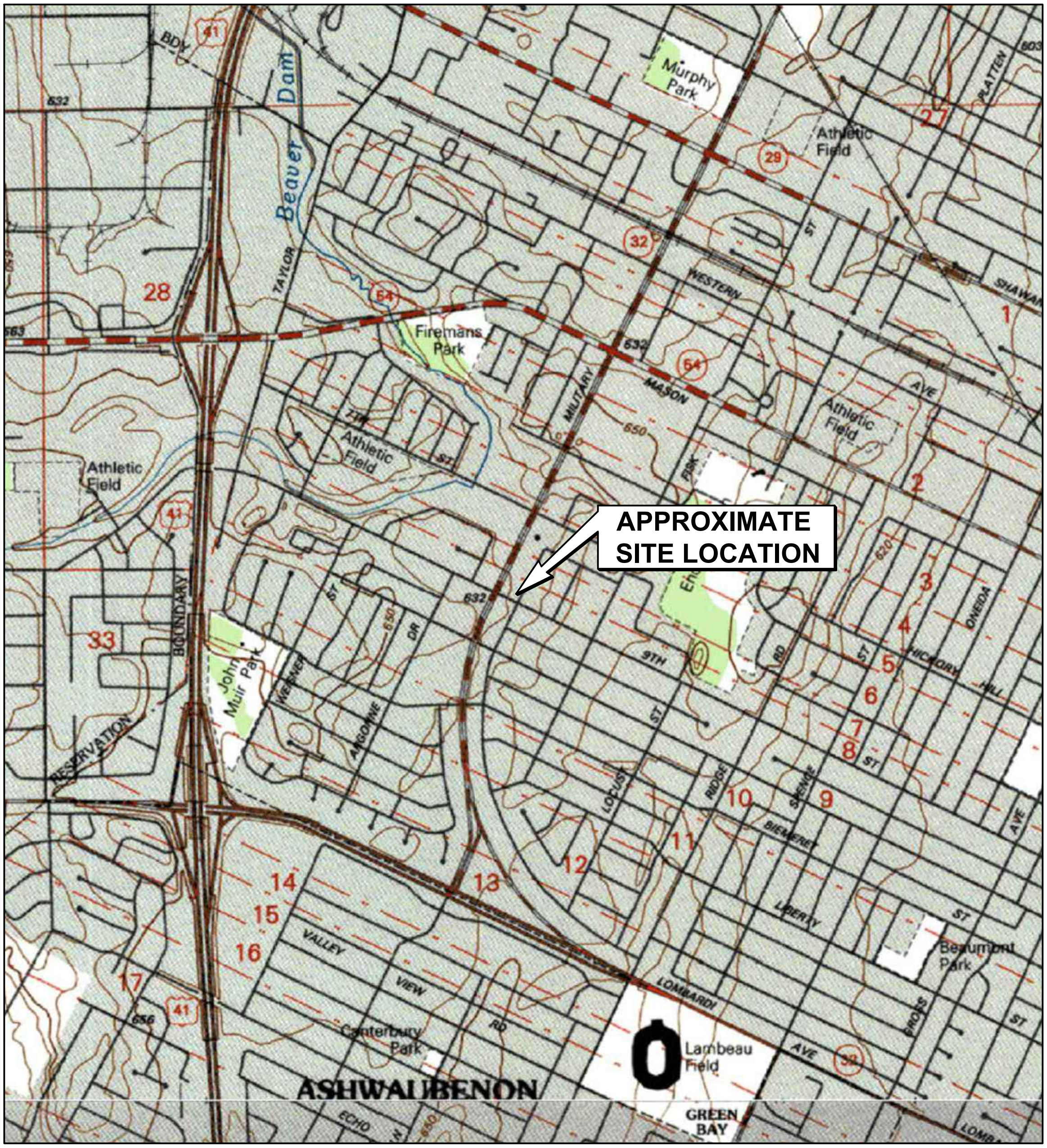
G-558
Signature and P.G. number

Senior Project Manager
Title

APPENDIX A

EXHIBITS

UNITED STATES — DEPARTMENT OF THE INTERIOR — GEOLOGICAL SURVEY



SCALE 1:24 000

1 .5 0 KILOMETERS 1 2

1000 0 METERS 1000 2000

1 .5 0 1

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

GREEN BAY WEST QUADRANGLE
BROWN COUNTY ~ MINNESOTA
1992
7.5 MINUTE SERIES (TOPOGRAPHIC)

Project Mngr: TPW	Project No. 58217038	Terracon	SITE LOCATION MAP	EXHIBIT
Drawn By: JLM (41)	Scale: AS SHOWN	Consulting Engineers and Scientists	MARTINIZING DRY CLEANERS AND LAUNDRY SERVICES	1
Checked By: TPW	File No. 58217038C1	9856 SOUTH 57th STREET FRANKLIN, WI 53132	1233 MILITARY AVENUE	
Approved By: TPW	Date: 7/2021	PH. (414) 423-0255 FAX. (414) 423-0566	GREEN BAY, WISCONSIN	

LEGEND

APPROXIMATE SITE BOUNDARY

IMAGE SOURCE: GOOGLE EARTH PRO

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	TPW
Drawn By:	JLM (41)
Checked By:	TPW
Approved By:	TPW

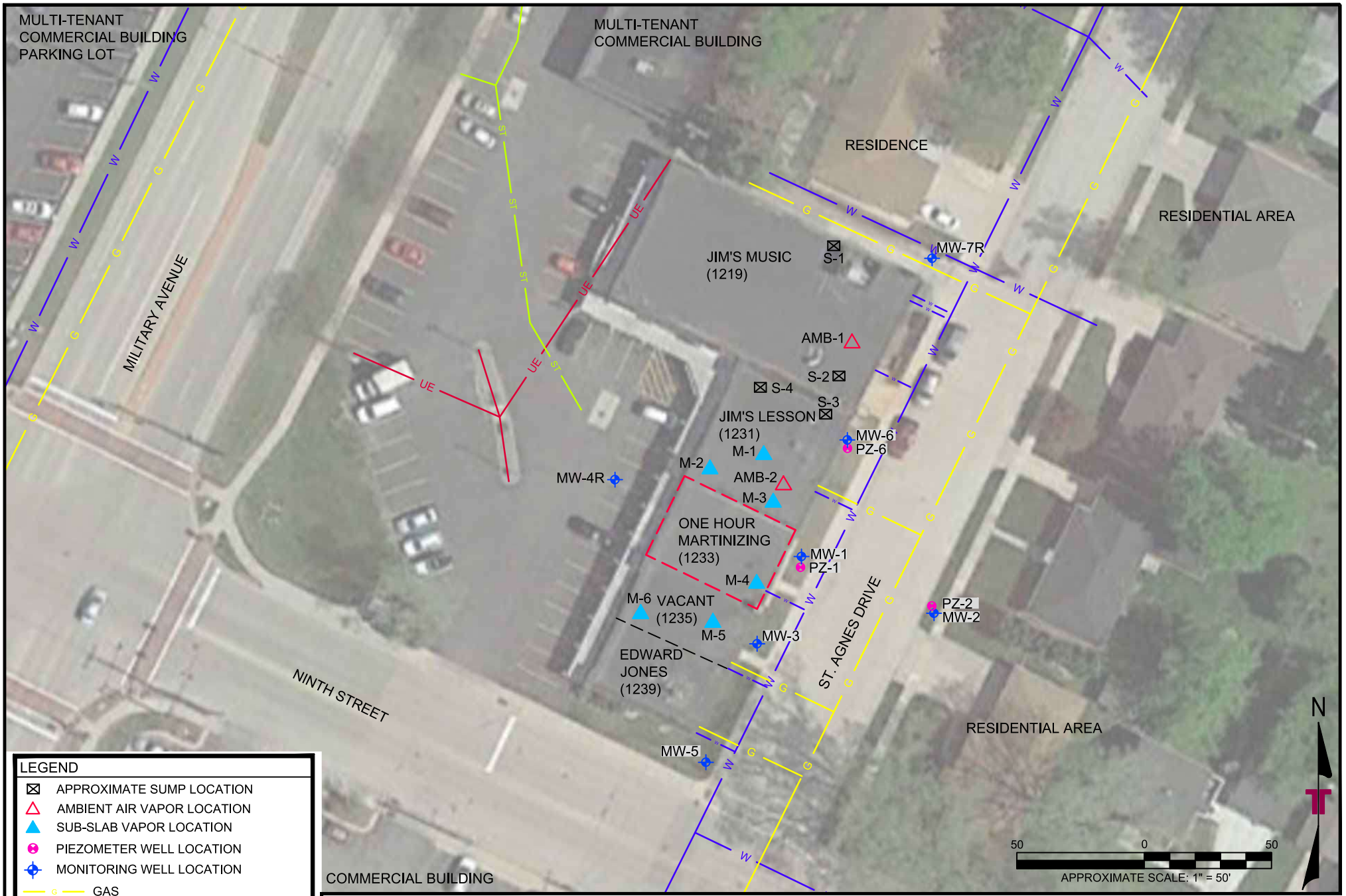
Project No.	58217038
Scale:	AS SHOWN
File No.	58217038C1
Date:	7/2021

Terracon
Consulting Engineers and Scientists
9856 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0255 FAX. (414) 423-0566

SITE & VICINITY DIAGRAM

MARTINIZING DRY CLEANERS AND LAUNDRY SERVICES
1233 MILITARY AVENUE
GREEN BAY, WISCONSIN

EXHIBIT 2



LEGEND

- APPROXIMATE SUMP LOCATION
- AMBIENT AIR VAPOR LOCATION
- SUB-SLAB VAPOR LOCATION
- PIEZOMETER WELL LOCATION
- MONITORING WELL LOCATION
- GAS
- WATER
- STORM SEWER
- APPROXIMATE SITE BOUNDARY

IMAGE SOURCE: GOOGLE EARTH PRO

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	TPW
Drawn By:	JLM (41)
Checked By:	TPW
Approved By:	TPW

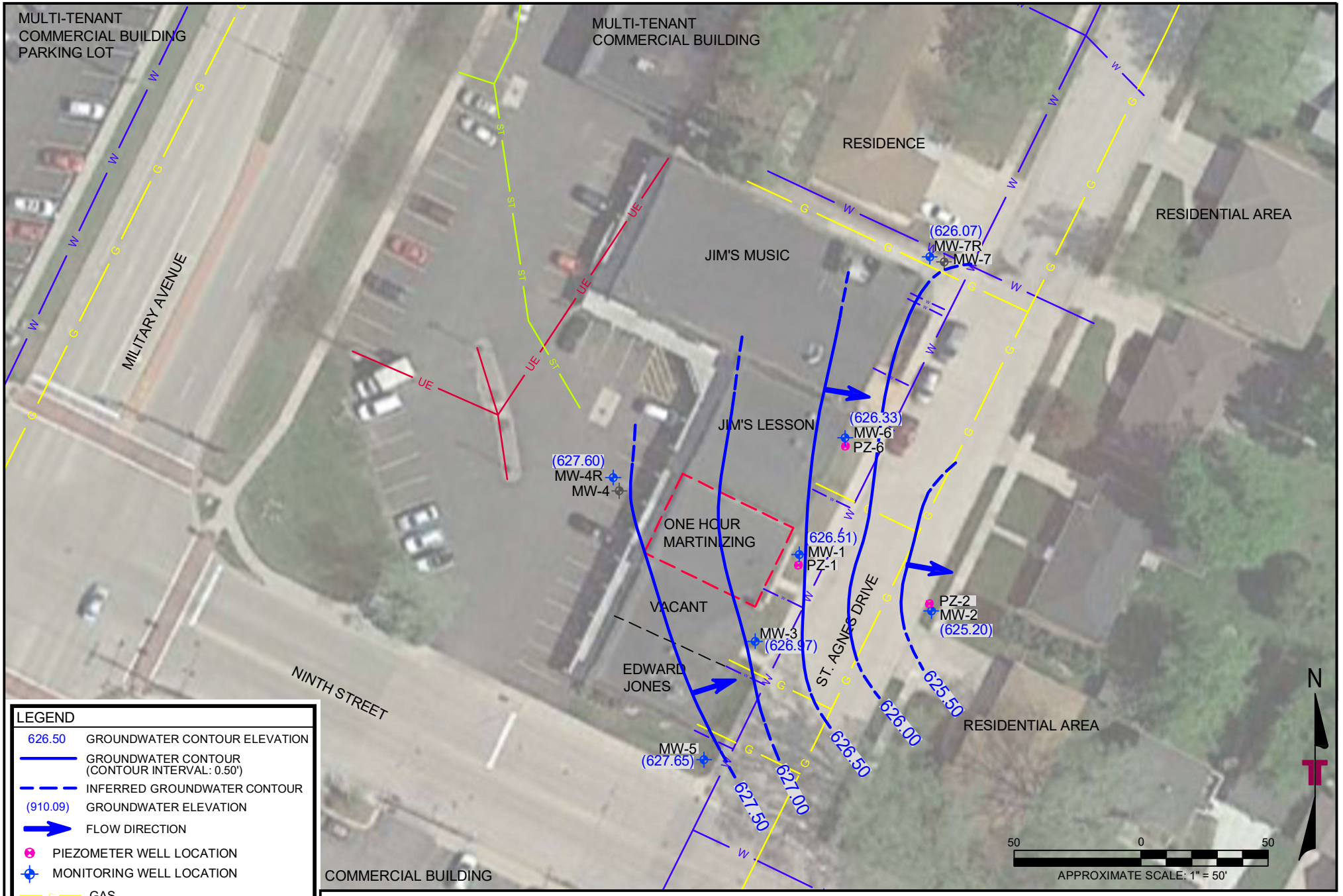
Project No.	58217038
Scale:	AS SHOWN
File No.	58217038C1
Date:	11/2021

Terracon
Consulting Engineers and Scientists
9856 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0255 FAX. (414) 423-0566

SITE DIAGRAM

MARTINIZING DRY CLEANERS AND LAUNDRY SERVICES
1233 SOUTH MILITARY AVENUE
GREEN BAY, WISCONSIN

EXHIBIT
3



LEGEND

- 626.50 — GROUNDWATER CONTOUR ELEVATION
- GROUNDWATER CONTOUR (CONTOUR INTERVAL: 0.50')
- INFERRED GROUNDWATER CONTOUR
- (910.09) — GROUNDWATER ELEVATION
- FLOW DIRECTION
- PIEZOMETER WELL LOCATION
- MONITORING WELL LOCATION
- G — GAS
- W — WATER
- ST — STORM SEWER
- APPROXIMATE SITE BOUNDARY

IMAGE SOURCE: GOOGLE EARTH PRO

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	TPW
Drawn By:	JLM (41)
Checked By:	TPW
Approved By:	TPW

Project No.	58217038
Scale:	AS SHOWN
File No.	58217038C1
Date:	9/2021

Terracon
Consulting Engineers and Scientists
9856 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0255 FAX. (414) 423-0566

GROUNDWATER CONTOUR MAP (7/8/2021)

MARTINIZING DRY CLEANERS AND LAUNDRY SERVICES
1233 MILITARY AVENUE
GREEN BAY, WISCONSIN

EXHIBIT 4

APPENDIX B

SWAT SSDS OPERATION AND MAINTENANCE PLAN/
POST-INSTALLATION REPORT

SWAT Group Inc.
411 E. Wisconsin Ave.
Suite 1280
Milwaukee, WI 53202

S.W.A.T.
ENVIRONMENTAL

Midwest Region Headquarters
16680 W Cleveland Ave, STE C
New Berlin, WI 53151
Office: 262-754-2211
www.swat-radon.com

7/28/2021

We are pleased to provide you with an Operation and Maintenance Plan/Post installation Report for (4) sub-slab depressurization systems (SSDS) installed at the following address:

1233 S Military Ave, Green Bay, WI, 54304

Four sub-slab depressurization system were installed at the property located at 1233 S Military Ave, Green Bay, WI 54304. The system utilizes Schedule 40, 3" PVC pipe and Radonaway model fans.

Previously Installed system B5 (refer to final drawing) was not adjusted. System B5 was installed as an exterior system with below grade sub slab collection points. One collection point had been installed for each separate slab labeled as, CP1, CP2, CP3, CP4 (refer to final drawing).

System B1 (refer to final drawing) is routed through the first-floor foundation wall and into the basement of the structure. The interior piping was removed from the sewer vent stack and the sewer vent stack was repaired. The system continues across the basement over to sump 1 (refer to drawing). The system continues to the foundation wall adjacent to the slab foundation to add suction below the slab of Jim's Music. The depressurization fan is a GP501 Radonaway fan located on the exterior of the building with a 3" PVC discharge stack that extends above the roofline 20". An interior gauge was installed on the pipe going into sump 1 (refer to final drawing) to monitor fan is operating properly.

System B2 (refer to final drawing) is routed through the first-floor foundation wall and into the basement of the structure. The first collection point is located in Sump 2 (refer to drawing). The system continues to the foundation wall of the slab on grade to add additional suction for Jim's Music. The depressurization fan is a GP501 Radonaway fan located on the exterior of the building with a 3" PVC discharge stack that extends above the roofline 20". An interior gauge was installed on the pipe going into sump 2 (refer to final drawing) to monitor the fan is operating properly.

System B3 (refer to final drawing) is routed through the foundation wall below grade. This below grade penetration was utilized by a previously installed system. The depressurization fan is a GP501 Radonaway fan located on the exterior of the building with a 3" PVC discharge stack that extends above the roofline 20". The interior of the system is routed over to sump 3 (refer to final drawing). The system continues to sump 4 (refer to final drawing). An interior gauge was installed on the pipe going into sump 3 (refer to final drawing) to monitor the fan is operating properly.

System B4 (refer to final drawing) is routed through the foundation wall below grade. This below grade penetration was utilized by a previously installed system. The depressurization fan is a GP501 Radonaway fan located on the exterior of the building with a 3" PVC discharge stack that extends above the roofline 20". The interior of the system is routed to the foundation wall adjacent to the slab on grade of Jim's Music Lesson. Due to the length of the wall, 2 collection points were installed (B4 CP1 & CP2, refer to final drawing) to extend suction under the slab. An interior gauge was installed on the pipe going into B4, CP1 (refer to final drawing).

Systems B1, B2, B3, B4 were reinstalled/modified on 6/9/2021 through 6/11/2021 with the system completion date on 6/11/2021. One additional appointment was done on 7/22/2021 to add 4" access ports and drains to the sump lids. The systems had electrical added and were fully operational on 7/20/2021.

All sump lids were fitted with 4" view ports and 4" access ports so pumps can be monitored without full removal of lids being necessary.

Waterboard drainage systems were sealed in manners that allow water to pass through but block airflow from escaping under the foundations.

The systems are fitted with gate valves and test ports to allow additional airflow testing without additional foundation holes needing to be drilled.

Pressure Field extension testing and/or air quality sample testing is being performed by third parties. Any additional work to increase systems efficiency or performance, will be separate from this OM&M.

The contents of this Operation and Maintenance Plan should be followed diligently, with periodic visual inspections of the fans and pressure gauges. We recommend recording the static pressure quarterly. All systems have a visual pressure gauge attached to the interior section of piping. They are labeled as a pressure gauge, and they include a standard OM&M card describing how to interpret the gauge.

Questions regarding this Operation and Maintenance Plan, or any system abnormalities or malfunctions, shall be directed to:

SWAT Group Inc., Midwest Region
(262) 754-2211
swatenv@swat-radon.com

Air quality retesting and a service call should occur in the event of major structural change or nearby construction work (primarily blasting), particularly any type of work in which the foundation is breached or expanded.

Thank you for your attention to these procedural recommendations. We sincerely appreciate your business.

Sincerely,

George Booth

George Booth, Regional Tech Manager, Midwest Region

SUB SLAB SYSTEM OPERATION

Operation: Vapor mitigation systems are designed to operate 24 hours per day, 7 days per week, except for brief periods of time when the system may be disconnected from the power source, de-energized, and locked out for routine maintenance or service.

Activation: A sub-slab depressurization system is activated when the circuit breaker is active and the mitigation fan is plugged into a duplex GFCI receptacle, or directly hard wired. Activations are to be conducted by or with a mitigation professional. Under no circumstances is this system to be disconnected or deactivated permanently without first contacting an AARST/NRPP Certified Vapor Mitigation Professional.

Deactivation: A sub-slab depressurization system may be safely deactivated by first disconnecting the mitigation fan from the duplex GFCI receptacle and placing a protective cover over the male plug to prevent it from being reinserted and then flipping the circuit breaker to the off position. We recommend securing a lockout cover which identifies the system is being serviced and prevents the breaker from being re-activated.

SSDS DIAGNOSTIC REFERENCE

A SSDS should be inspected once every three (3) months for operation, and a static pressure reading taken and recorded. There are some instances when an AARST/NRPP Certified Mitigation Professional should be contacted as soon as possible:

1. The mitigation fan is not operational, or the Manometer is registering outside of the recommended operating range. (<<.1.0" to 3.8" for GP501 fans>>). First check the electrical connection and make sure that the circuit breaker is set to "on".
2. The mitigation fan is vibrating abnormally (beyond the subtle vibration of normal operation), is making a "screeching" or "grinding" sound, or, is unusually hot to the touch.
3. The electrical wire has been damaged or altered, or the fan has been vandalized or is no longer present.
4. There are visible cracks in the suction line or vent stack piping, or piping is no longer structurally supported.
5. There are visible cracks in or missing material from the seal where the suction line enters the collection chamber.
6. Major structural changes have been made to the building, or construction has occurred which affects the foundation.
7. In the event the property has changed ownership, warranties may be transferred to the new owner without additional charge.

SSDS: ORIGINAL STARTUP SYSTEM COMPONENTS AND SETTINGS

System#/Unit	B1	B2	B3	B4
Pressure Gauge Location	Sump #1	Sump #2	Sump #3	B4, CP1
Fan Model	GP501	GP501	GP501	GP501
Fan Location	Exterior	Exterior	Exterior	Exterior
Original Fan WC"	0.5" W.C	0.5" W.C	1.5" W.C	3.0" W. C

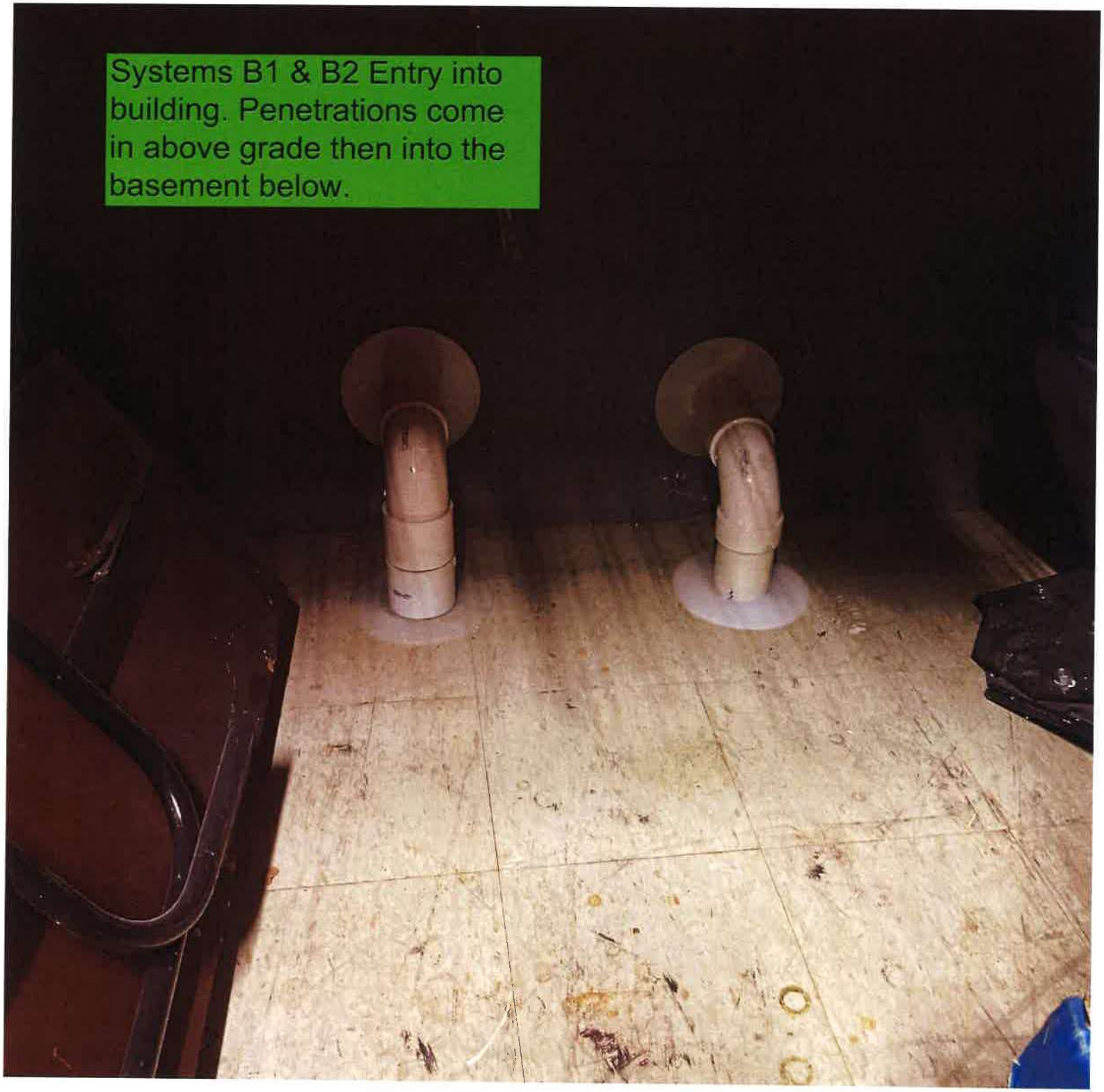
SSDS INSPECTION/MAINTENANCE LOG EXAMPLE

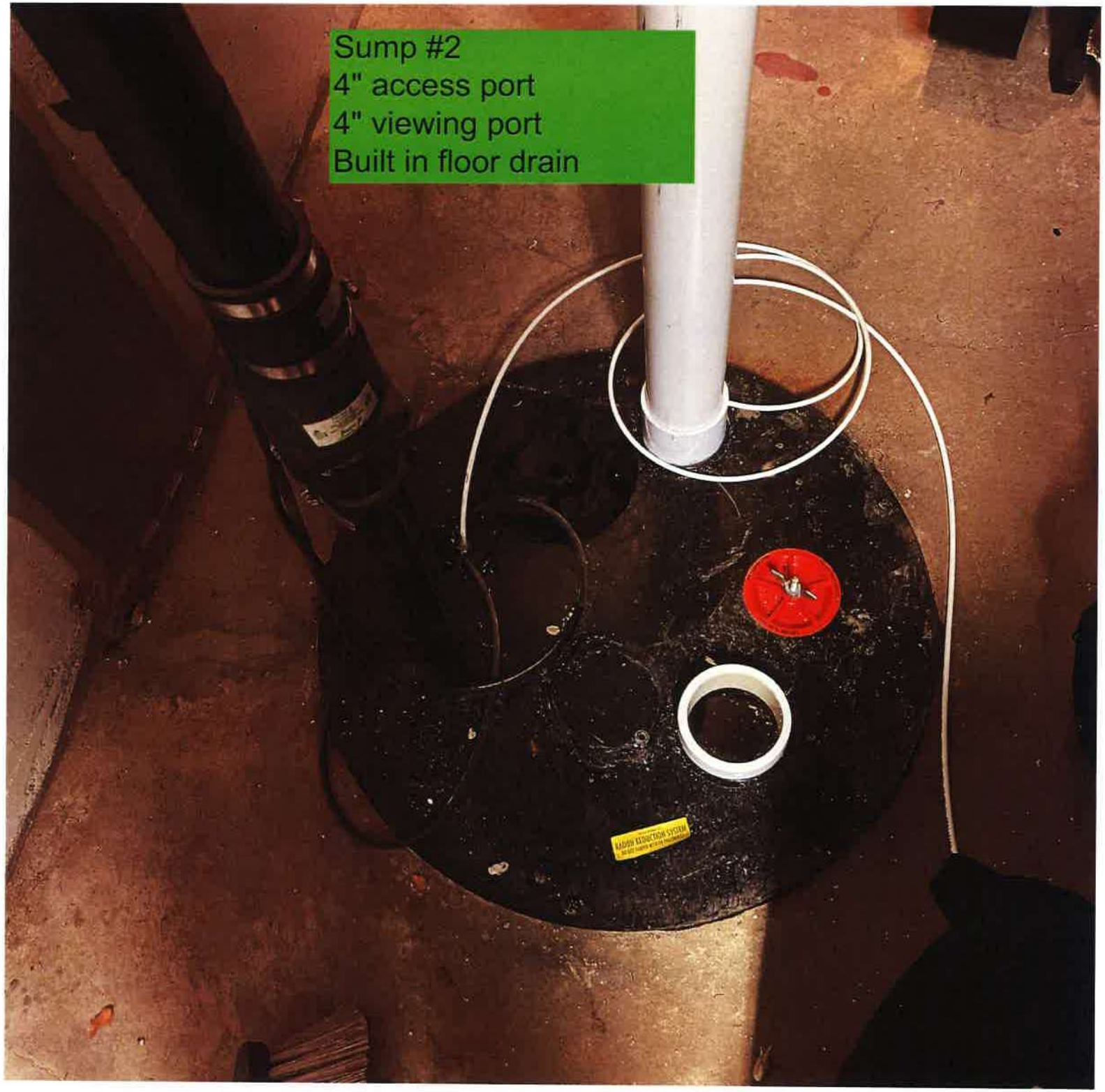
Year		Qtr 1	Qtr 2	Qtr 3	Qtr 4
Sys. #1	Monitor WC"				
	Sealed Items				
	Piping/Labels				
	Noted concerns				
	Last Radon Test (at least every 2 years)				
Sys. #2	Monitor WC"				
	Sealed Items				
	Piping/Labels				
	Noted concerns				
	Last Radon Test (at least every 2 years)				
Sys. #3	Monitor WC"				
	Sealed Items				
	Piping/Labels				
	Noted concerns				
	Last Radon Test (at least every 2 years)				
Sys. #4	Monitor WC"				
	Sealed Items				
	Piping/Labels				
	Noted concerns				
	Last Radon Test (at least every 2 years)				

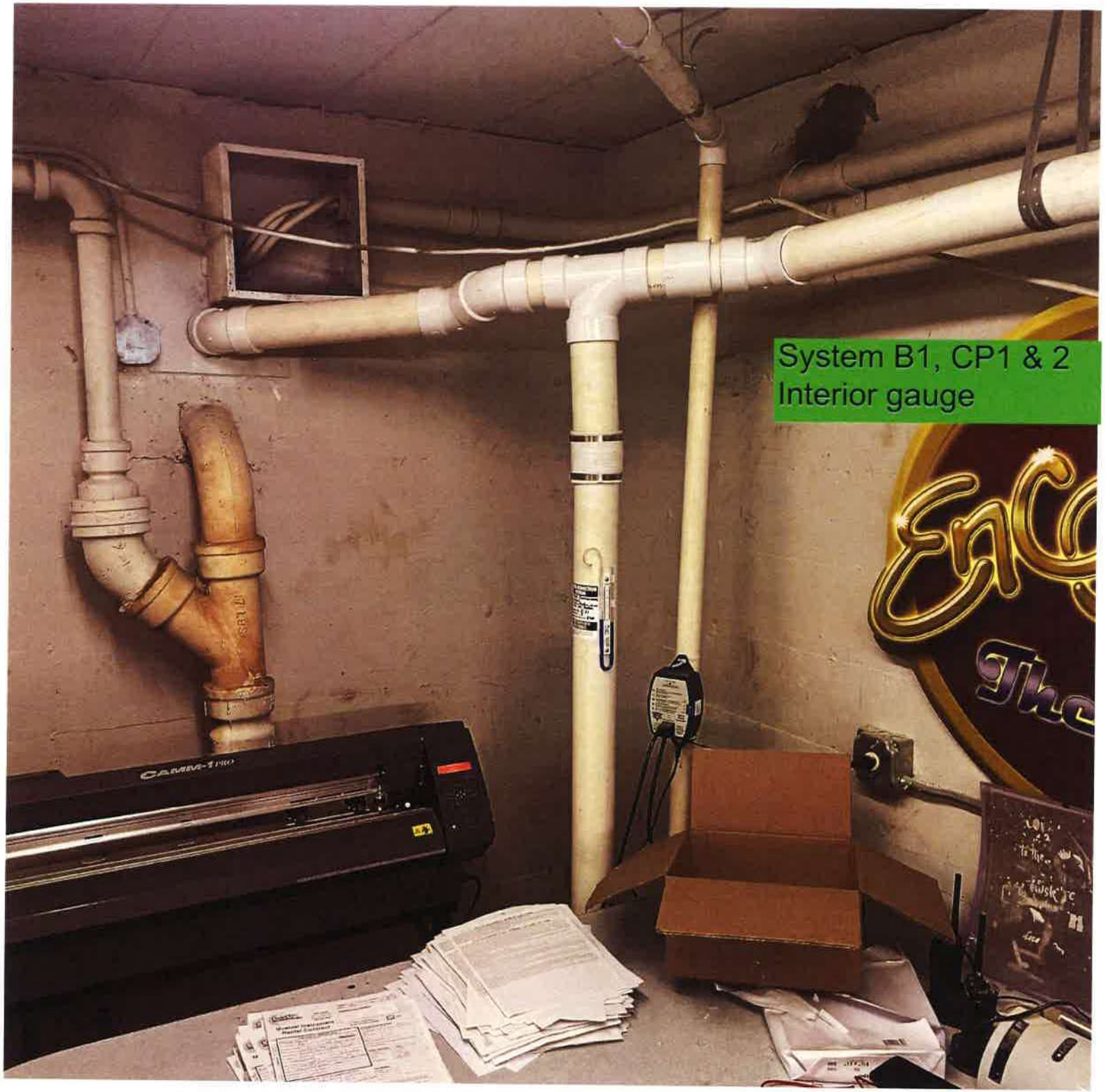
Fill in the Date and Initial Each Category	DATES →								
MAINTENANCE ITEMS									
The mitigation fan is running and is not "screeching" or hot.									
The manometer is present and there is sufficient W.C.									
A static pressure reading was taken and recorded in the table.									
The collection chamber is intact, without cracks or missing sealant.									
Piping is intact and free of cracks. No joints are loose or open.									
Fire collars and intumescent fire caulk is intact.									
The piping remains securely bracketed or secured.									
The circuit breaker is functional and is switched to the "On" position.									
The wiring to the fan is intact and free of damage.									
The fan is securely connected to the power source.									
The flexible rubber couplings are free from cracks or damage.									
The system is free of signs of weather damage or vandalism.									

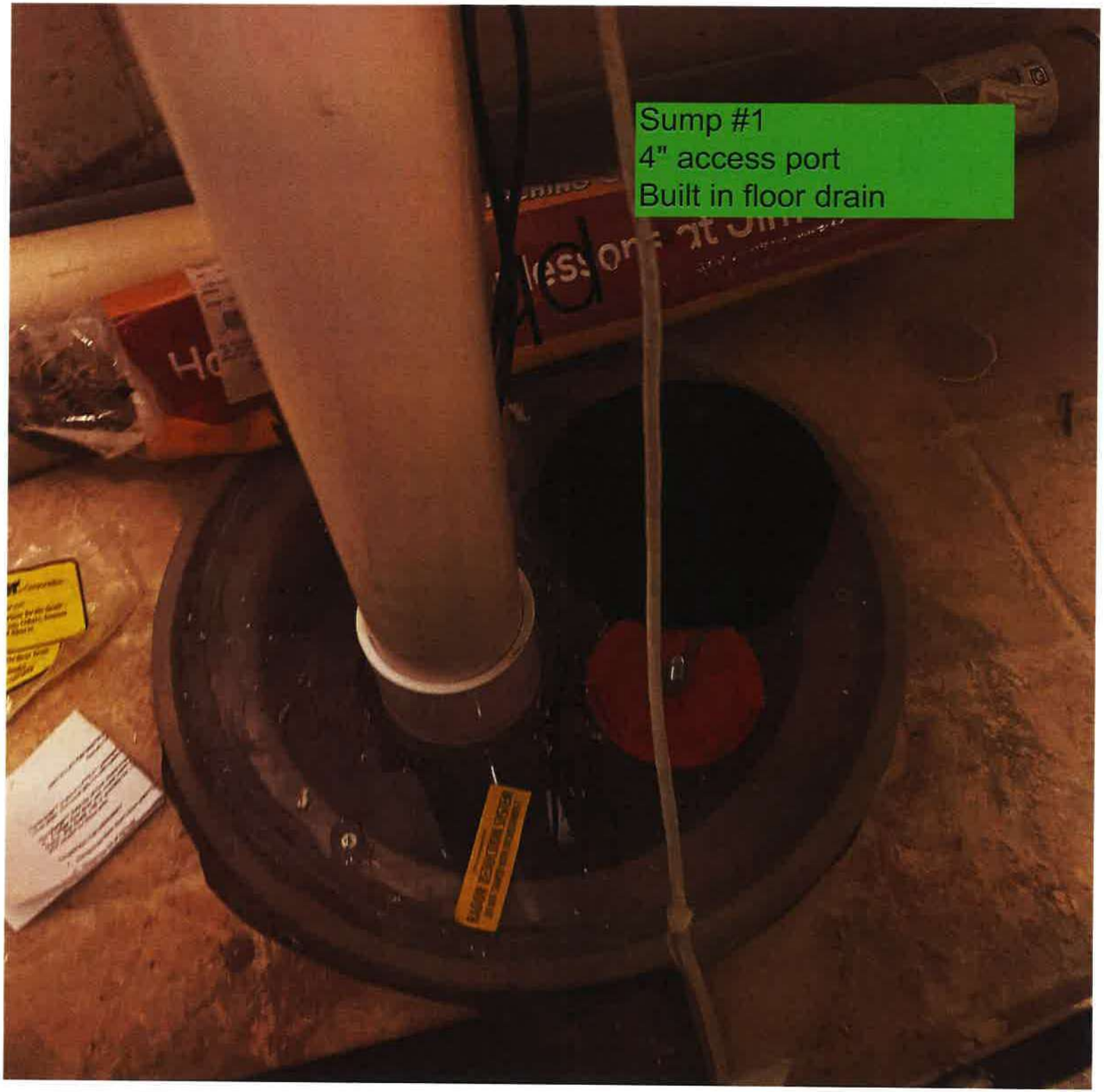

Exterior B1 & B2
fan location and
vent stacks

Discharge above the roof


Systems B1 & B2 Entry into building. Penetrations come in above grade then into the basement below.


Sump #2
4" access port
4" viewing port
Built in floor drain


System B1, CP1 & 2
Interior gauge


Sump #1
4" access port
Built in floor drain

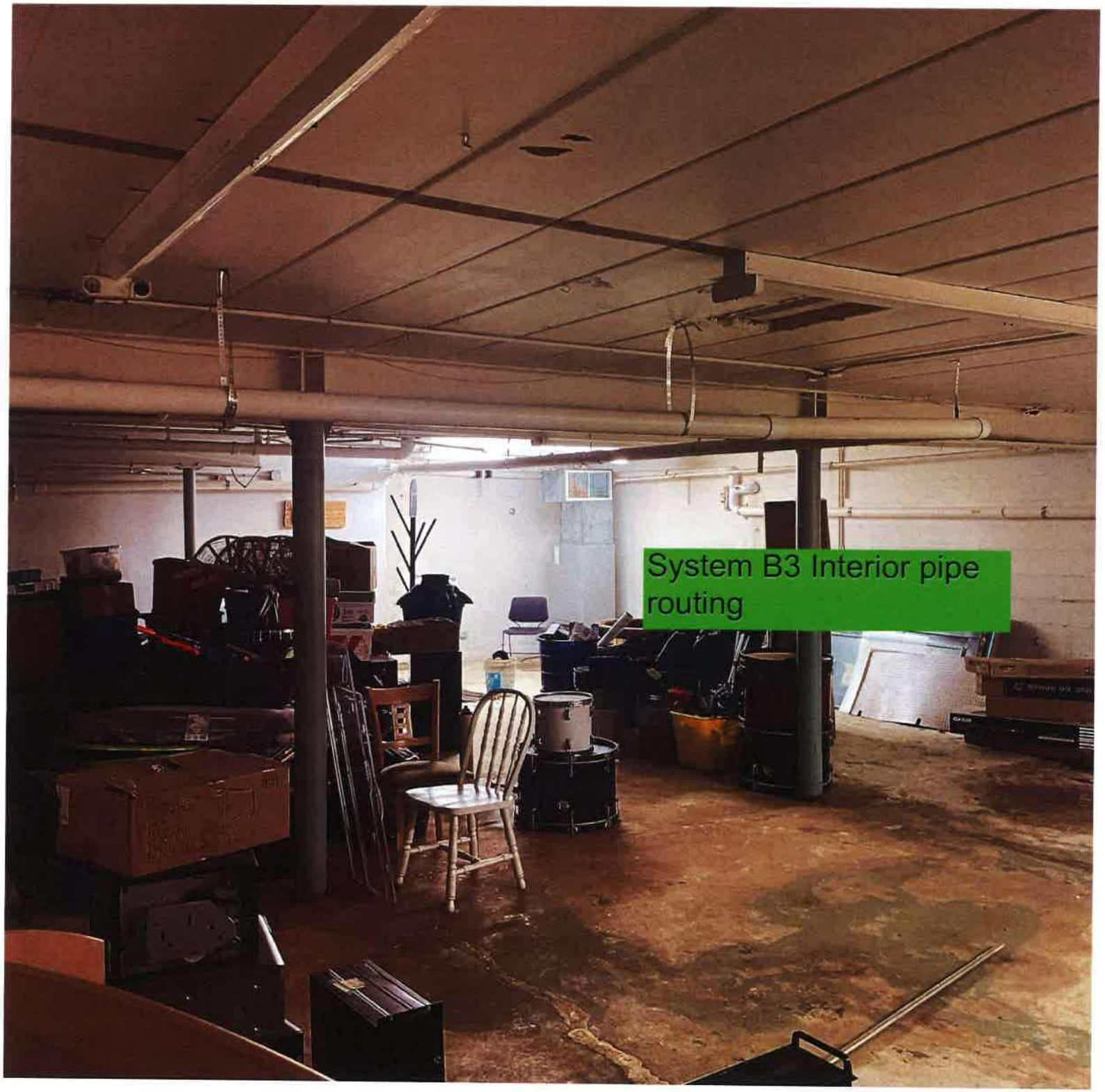

Waterboard drainage
seal

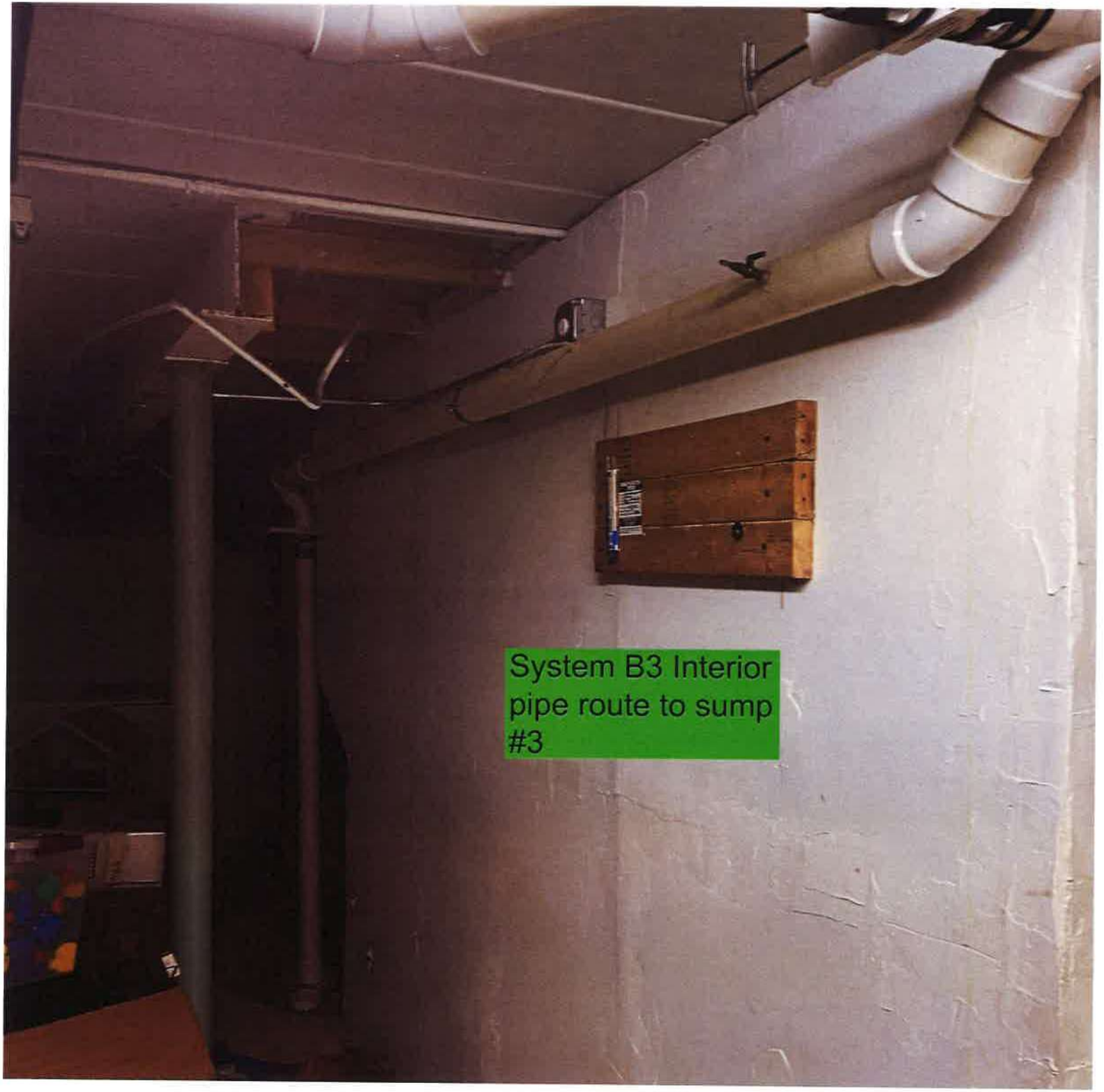

System B2
Collection CP1


Gate Valve


Exterior Systems
B4, B5

Roof Discharge


System B3 Interior pipe routing


System B3 Interior
pipe route to sump
#3


Sump #3
4" access ports
4" viewing port
Built in floor drain


Gate Valve & test port

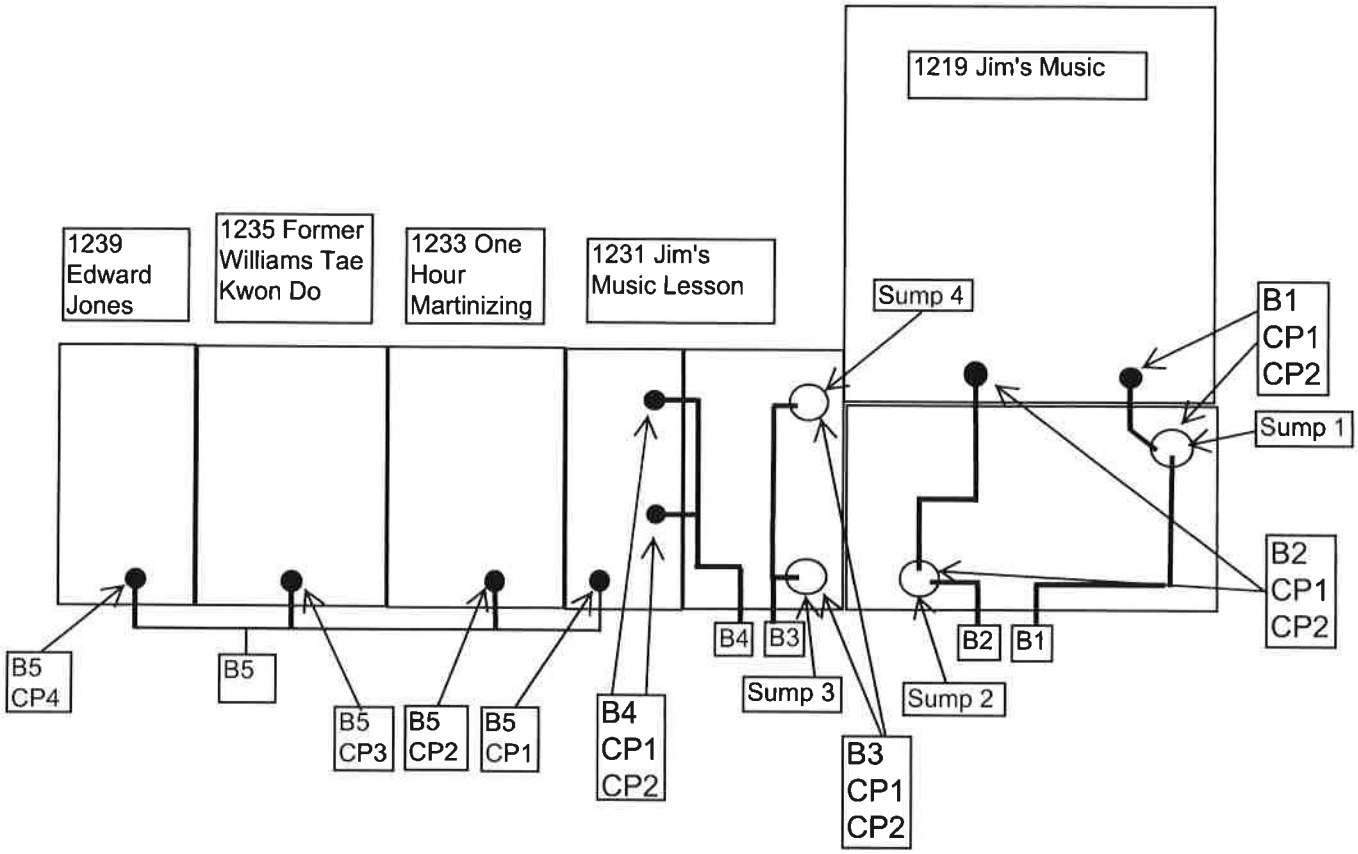

System B3 routed to
sump #4


Sewer vent stack repaired


RADON REDUCTION SYSTEM
System B4, CP1
Interior gauge


System B4 CP 2
Pressure Gauge
RADON REDUCTION SYSTEM


System B4 Interior
Piping.
Collections CP1 &
CP2


1219 Jim's Music
1239 Edward Jones
1235 Former Williams Tae Kwon Do
1233 One Hour Martinizing
1231 Jim's Music Lesson
Sump 4
B1 CP1 CP2
Sump 1
B2 CP1 CP2
B5 CP4
B5
B5 CP3
B5 CP2
B5 CP1
B4 CP1 CP2
B4
B3
Sump 3
Sump 2
B3 CP1 CP2
B2
B1

RadonAway®

The world's leading radon fan manufacturer

RP, GP, XP Pro Series Installation Instructions

RadonAway

Fan Installation & Operating Instructions
RP, GP, XP Pro Series Fans
Please Read and Save These Instructions.

DO NOT CONNECT POWER SUPPLY UNTIL FAN IS COMPLETELY INSTALLED. MAKE SURE ELECTRICAL SERVICE TO FAN IS LOCKED IN "OFF" POSITION. DISCONNECT POWER BEFORE SERVICING FAN.

1. **WARNING!** For General Ventilating Use Only. Do Not Use to Exhaust Hazardous, Corrosive or Explosive Materials, Gases or Vapors. See Vapor Intrusion Application Note #AN001 for important information on VI Applications. RadonAway.com/vapor-intrusion

2. **NOTE:** Fan is suitable for use with solid state speed controls; however, use of speed controls is not generally recommended.

2. **WARNING!** Check voltage at the fan to insure it corresponds with nameplate.

3. **WARNING!** Normal operation of this device may affect the combustion airflow needed for safe operation of fuel burning equipment. Check for possible backdraft conditions on all combustion devices after installation.

4. **NOTICE!** There are no user serviceable parts located inside the fan unit. **Do NOT attempt to open.** Return unit to the factory. (See Warranty, p. 8, for details.)

5. **WARNING!** Do not leave fan unit installed on system piping without electrical power for more than 48 hours. Fan failure could result from this non-operational storage.

6. **WARNING!** TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

   a) Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer. (See p. 8.)

   b) Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

   c) Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire rated construction.

   d) Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturers' guidelines and safety standards such as those published by any National Fire Protection Association, and the American Society for Heating, Refrigerating and Air Conditioning Engineers (ASHRAE), and the local code authorities.

   e) When cutting or drilling into a wall or ceiling, do not damage electrical wiring and other hidden utilities.

   f) Ducted fans must always be vented to outdoors.

   g) If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application and be connected to a GFCI (Ground Fault Circuit Interrupter) protected branch circuit.

RadonAway

Fan Installation & Operating Instructions

RP Pro Series	GP Pro Series	XP Pro Series
RP140 | P/N 28460	GP201 | P/N 28465	XP151 | P/N 28469
RP145 | P/N 28461	GP301 | P/N 28466	XP201 | P/N 28470
RP260 | P/N 28462	GP401 | P/N 28467	
RP265 | P/N 28463	GP501 | P/N 28468	
RP380 | P/N 28464		

1.0 SYSTEM DESIGN CONSIDERATIONS

1.1 INTRODUCTION

The RP, GP and XP Pro Series Radon Fans are intended for use by trained, professional, certified/licensed radon mitigators. The purpose of these instructions is to provide additional guidance for the most effective use of RP, GP and XP Series Fans. These instructions should be considered supplemental to EPA/radon industry standard practices, state and local building codes and regulations. In the event of a conflict, those codes, practices and regulations take precedence over these instructions.

1.2 FAN SEALING

The RP, GP and XP Pro Series Fans are factory sealed; no additional caulk or other materials are required to inhibit air leakage.

1.3 ENVIRONMENTALS

The RP, GP and XP Pro Series Fans are designed to perform year-round in all but the harshest climates without additional concern for temperature or weather. For installations in an area of severe cold weather, please contact RadonAway for assistance. When not in operation, the fan should be stored in an area where the temperature is never less than 32 degrees F or more than 100 degrees F.

1.4 ACOUSTICS

The RP, GP and XP Pro Series Fans, when installed properly, operate with little or no noticeable noise to the building occupants. The velocity of the outgoing air should be considered in the overall system design. In some cases the "rushing" sound of the outlet air may be disturbing. In these instances, the use of a RadonAway Exhaust Muffler is recommended.

(To ensure quiet operation of inline and remote fans, each fan shall be installed using sound attenuation techniques appropriate for the installation. For bathroom and general ventilation applications, at least 8 feet of insulated flexible duct shall be installed between the exhaust or supply grille(s) and the fan(s). RP, GP and XP Pro Series Fans are not suitable for kitchen range hood remote ventilation applications.)

1.5 GROUND WATER

In the event that a temporary high water table results in water at or above slab level, water may be drawn into the riser pipes, thus blocking air flow to the RP, GP and XP Pro Series Fan. The lack of cooling air may result in the fan cycling on and off as the internal temperature rises above the thermal cutoff. Should this condition arise, it is recommended that the fan be turned off until the water recedes, allowing for return to normal operation.

1.6 SLAB COVERAGE

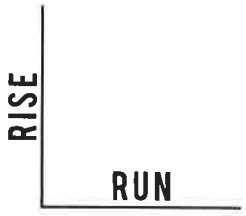
The RP, GP and XP Pro Series Fans can provide coverage up to 2000+ sq. ft. per slab penetration. This will primarily depend on the sub-slab material in any particular installation. In general, the tighter the material, the smaller the area covered per penetration. Appropriate selection of the RP, GP and XP Pro Series Fan best suited for the sub-slab material can improve the slab coverage. The RP, GP and XP Pro Series have a wide range of models to choose from to cover a wide range of sub-slab materials. The RP140 and 145 are best suited for general purpose use. The RP 260 can be used where additional airflow is required, and the RP265 and RP 380 are best suited for large slab, high airflow applications. Additional suction points can be added as required. It is recommended that a small pit (5 to 10 gallons in size) be created below the slab at each suction hole.

1.7 CONDENSATION & DRAINAGE

Condensation is formed in the piping of a mitigation system when the air in the piping is chilled below its dew point. This can occur at points where the system piping goes through unheated space such as an attic, garage or outside. The system design must provide a means for water to drain back to a slab hole to remove the condensation. The RP, GP and XP Pro Series Fan MUST be mounted vertically plumb and level, with the outlet pointing up for proper drainage through the fan. Avoid mounting the fan in any orientation that will allow water to accumulate inside the fan housing. The RP, GP and XP Pro Series Fans are NOT suitable for underground burial.

For RP, GP and XP Pro Series Fan piping, the following table provides the minimum recommended pipe diameter and pitch under several system conditions.

Pipe Diameter	Minimum Rise per Ft of Run*		
	@25 CFM	@50 CFM	@100 CFM
4"	1/8"	1/4"	3/8"
3"	1/4"	3/8"	1 1/2"



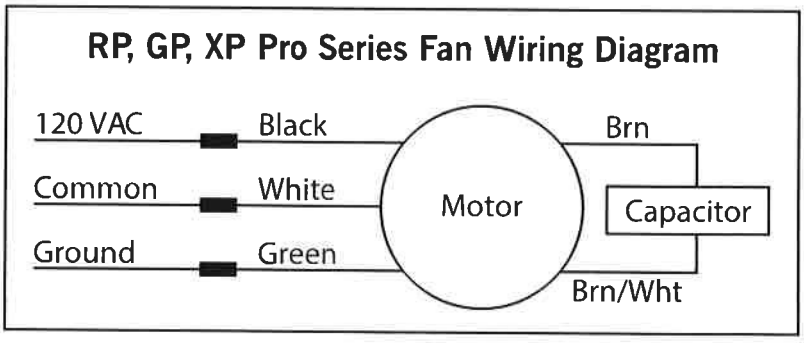
See p. 7 for detailed specifications.

1.8 SYSTEM MONITOR & LABEL

A System Monitor, such as a manometer (P/N 50017) or audible alarm (P/N 28001-2, 28001-4 or 28421), is required to notify the occupants of a fan system malfunction. A System Label (provided with Manometer P/N 50017) with instructions for contacting the installing contractor for service and identifying the necessity for regular radon tests to be conducted by the building occupants must be conspicuously placed in a location where the occupants frequent and can see the label.

1.9 ELECTRICAL WIRING

The RP, GP and XP Pro Series Fans operate on standard 120V, 60Hz AC. All wiring must be performed in accordance with National Fire Protection (NFPA) National Electrical Code, Standard #70, current edition, for all commercial and industrial work, and state and local building codes. All wiring must be performed by a qualified and licensed electrician. Outdoor installations require the use of a UL Listed watertight conduit. Ensure that all exterior electrical boxes are outdoor rated and properly sealed to prevent water penetration into the box. A means, such as a weep hole, is recommended to drain the box.



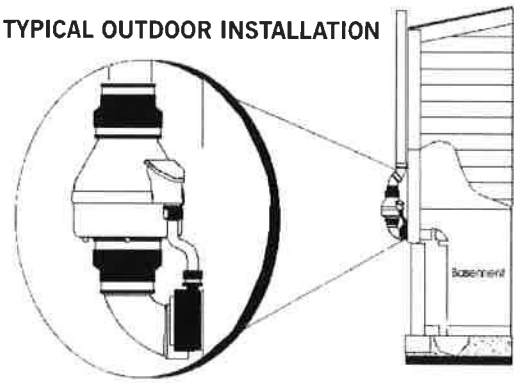
1.10 SPEED CONTROLS

The RP, GP and XP Pro Series Fans are rated for use with electronic speed controls; however, speed controls are generally not recommended. If used, the recommended speed control is Pass & Seymour Solid State Speed Control (Cat. No. 94601-1).

2.0 INSTALLATION

The RP, GP and XP Pro Series Fans can be mounted indoors or outdoors. (It is suggested that EPA and radon mitigation standards recommendations be followed in choosing the fan location.) The GP fans have an integrated mounting bracket; RP and XP Pro Series Fans may be mounted directly on the system piping or fastened to a supporting structure by means of an optional mounting bracket.
The ducting from the fan to the outside of the building has a strong effect on noise and fan energy use. Use the shortest, straightest duct routing possible for best performance, and avoid installing the fan with smaller ducts than recommended. Insulation around the ducts can reduce energy loss and inhibit mold growth. Fans installed with existing ducts may not achieve their rated airflow.

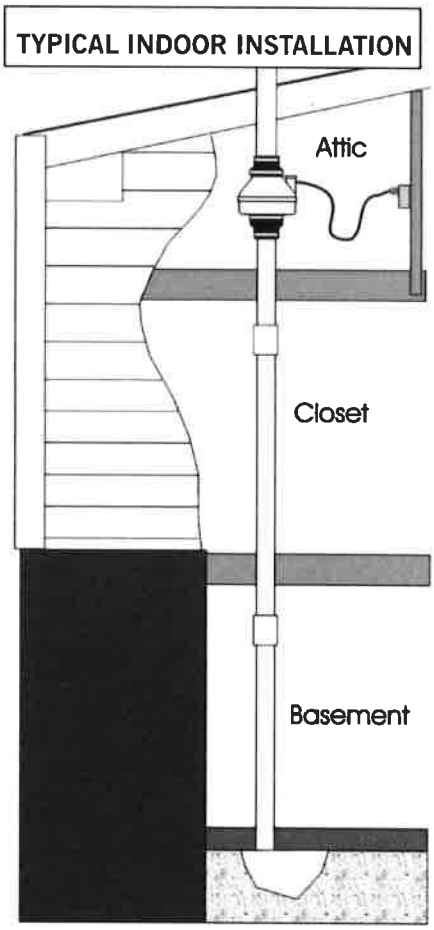
TYPICAL OUTDOOR INSTALLATION



2.1 MOUNTING

Mount the RP, GP and XP Pro Series Fan vertically with outlet up. Insure the unit is plumb and level. When mounting directly on the system piping assure that the fan does not contact any building surface to avoid vibration noise.

TYPICAL INDOOR INSTALLATION



2.2 MOUNTING BRACKET (optional)

The RP and XP Pro Series Fans may be optionally secured with the RadonAway P/N 25007 mounting bracket. Foam or rubber grommets may also be used between the bracket and mounting surface for vibration isolation.

2.3 SYSTEM PIPING

Complete piping run, using flexible couplings as a means of disconnect for servicing the unit and for vibration isolation. As the fan is typically outside of the building thermal boundary and is venting to the outside, installation of insulation around the fan is not required.

2.4 ELECTRICAL CONNECTION

Connect wiring with wire nuts provided, observing proper connections (See Section 1.9). Note that the fan is not intended for connection to rigid metal conduit.

2.5 VENT MUFFLER (optional)

Install the muffler assembly in the selected location in the outlet ducting. Solvent weld all connections. The muffler is normally installed at the end of the vent pipe.

2.6 OPERATION CHECKS & ANNUAL SYSTEM MAINTENANCE

_____ **Verify** all connections are tight and **leak-free**.

_____ **Ensure** the RP, GP and XP Pro Series Fan and all ducting are **secure and vibration-free**.

_____ **Verify system vacuum pressure** with manometer. **Insure** vacuum pressure is within normal operating range and **less than** the maximum recommended operating pressure.
(Based on sea-level operation, at higher altitudes reduce by about 4% per 1000 feet)
(Further reduce Maximum Operating Pressure by 10% for High Temperature environments.)
See Product Specifications. If this is exceeded, increase the number of suction points.

_____ **Verify Radon levels** by testing to EPA Protocol and applicable testing standards.

THE FOLLOWING CHARTS SHOW THE PERFORMANCE OF THE RP, GP and XP PRO SERIES FANS

RP Pro Series Product Specifications

Typical CFM Vs. Static Pressure "WC									
Model	**0"**	**.25"**	**.5"**	**.75"**	**1.0"**	**1.25"**	**1.5"**	**1.75"**	**2.0"**
RP140	135	103	70	14	-	-	-	-	
RP145	166	146	126	104	82	61	41	21	3
RP260	251	209	157	117	70	26	-	-	-
RP265	375	330	282	238	204	170	140	108	70
RP380	531	490	415	340	268	200	139	84	41

Model	Power Consumption 120VAC, 60Hz, 1.5 Amp Maximum	Maximum Recommended Operation Pressure* (Sea Level Operation)**
RP140	15 - 21 watts	0.7" WC
RP145	41 - 72 watts	1.7" WC
RP260	47-65 watts	1.3" WC
RP265	95 - 139 watts	2.3" WC
RP380	96 - 138 watts	2.0" WC

**Reduce by 10% for High Temperature Operation **Reduce by 4% per 1000 ft. of altitude.*

Model	Size	Weight	Inlet/Outlet	L.2
RP140	8.5"H x 9.7" Dia.	5.5 lbs	4.5"OD (4.0" PVC Sched 40 size compatible)	25
RP145	8.5"H x 9.7" Dia.	5.5 lbs	4,5" OD	15
RP260	8.6"H x 11.75" Dia.	5.5 lbs	6.0" OD	48
RP265	8.6"H x 11.75" Dia.	6.5 lbs	6.0" OD	30
RP380	10.53"H x 13.41" Dia.	11.5 lbs	8.0" OD	57

L.2 = Estimated Equivalent Length of Rigid Metal Ducting resulting in .2" WC pressure loss for Duct Size listed. Longer Equivalent Lengths can be accommodated at Flows Lower than that at .2" WC pressure loss (see CFM Vs Static Pressure "WC Table).

XP Pro Series Product Specifications

Typical CFM Vs. Static Pressure "WC						
	0"	**.5"**	**1.0"**	**1.5"**	**1.75"**	**2.0"**
XP151	167	127	77	-	-	-
XP201	126	98	66	26	-	-

Model	Power Consumption 120VAC, 60Hz, 1.5 Amp Maximum	Maximum Recommended Operation Pressure* (Sea Level Operation)**
XP151	53-70 watts	1.4" WC
XP201	38-74 watts	1.6" WC

**Reduce by 10% for High Temperature Operation **Reduce by 4% per 1000 ft. of altitude.*

Model	Size	Weight	Inlet/Outlet
XP151	9.5"H x 8.5" Dia.	6 lbs	4.5"OD (4.0" PVC Sched 40 size compatible)
XP201	9.5"H x 8.5" Dia.	6 lbs	4.5" OD

GP Pro Series Product Specifications

Typical CFM Vs. Static Pressure "WC							
	1.0"	1.5"	2.0"	2.5"	3.0"	3.5"	4.0"
GP201	54	42	11	-	-	-	-
GP301	64	54	41	4	-	-	-
GP401	-	61	52	44	22	-	-
GP501	-	-	66	58	50	27	4

Model	Power Consumption 120VAC, 60Hz, 1.5 Amp Maximum	Maximum Recommended Operation Pressure* (Sea Level Operation)**
GP201	31-67 watts	1.8" WC
GP301	56-100 watts	2.3" WC
GP401	62-128 watts	3.0" WC
GP501	68 - 146 watts	3.8" WC

**Reduce by 10% for High Temperature Operation **Reduce by 4% per 1000 ft. of altitude.*

Model	Size	Weight	Inlet/Outlet
GP201	13"H x 12.5" Dia.	12 lbs	3.5"OD (3.0" PVC Sched 40 size compatible)
GP301	13"H x 12.5" Dia.	12 lbs	3.5" OD
GP401	13"H x 12.5" Dia.	12 lbs	3.5" OD
GP501	13"H x 12.5" Dia.	12 lbs	3.5" OD

RP, XP and GP Pro Series Additional Specifications

Model	Recommended Duct	PVC Pipe Mounting	Thermal Cutout	Insulation Class
RP140	3" or 4" Schedule 20/40 PVC	Mount on the duct pipe or with optional mounting bracket. For Ventilation: 4", 6" or 8" Rigid or Flexible Ducting.	130°C/266°F	Class B Insulation
RP145			130°C/266°F	Class F Insulation
RP260			150°C/302°F	
RP265			150°C/302°F	
RP380	6" Schedule 20/40 PVC Pipe		150°C/302°F	
XP151	3" or 4" Schedule 20/40 PVC	Fan may be mounted on the duct pipe or with integral flanges.	120°C/248°F	Class B Insulation
XP201				
GP201	3" or 4" Schedule 20/40 PVC	Fan may be mounted on the duct pipe or with integral flanges.	120°C/248°F	Class B Insulation
GP301				
GP401				
GP501				

Continuous Duty
3000 RPM
Thermally Protected
RP, GP Residential and Commercial
XP Residential Only
Rated for Indoor or Outdoor Use

Most Efficient 2019 ENERGY STAR www.energystar.gov
RP140 Only

LISTED Electric Fan

Intertek 77728

Conforms to UL STD. 507
Certified to CAN/CSA STD. C22.2 No.113

IMPORTANT INSTRUCTIONS TO INSTALLER

Inspect the RadonAway® RP, GP and XP Pro Series Fan for shipping damage within 15 days of receipt. **Notify RadonAway of any damages immediately.** RadonAway is not responsible for damages incurred during shipping. However, for your benefit, RadonAway does insure shipments.

There are no user serviceable parts inside the fan. **Do not attempt to open the housing.** Return unit to factory. (See Warranty below).

Install the RP, GP and XP Pro Series Fan in accordance with all EPA, ANSI/AARST standard practices, and state and local building codes and regulations.

Provide a copy of this instruction or comparable radon system and testing information to the building occupants after completing system installation.

Warranty

RadonAway® warrants that the RP, GP (excluding GP500) and XP Pro Series Fan (the "Fan") will be free from defects in materials and workmanship for a period of 12 months from the date of purchase or 18 months from the date of manufacture, whichever is sooner (the "Warranty Term").

RadonAway® will replace any fan which fails due to defects in materials or workmanship during the Warranty Term. This Warranty is contingent on installation of the Fan in accordance with the instructions provided. This Warranty does not apply where any repairs or alterations have been made or attempted by others, or if the unit has been abused or misused. Warranty does not cover damage in shipment unless the damage is due to the negligence of RadonAway®.

The Fan must be returned (at Owner's cost) to the RadonAway® factory. Any Fan returned to the factory will be discarded unless the Owner provides specific instructions along with the Fan when it is returned regardless of whether or not the Fan is actually replaced under this warranty. Proof of purchase must be supplied upon request for service under this Warranty.

5-YEAR EXTENDED WARRANTY WITH PROFESSIONAL INSTALLATION.

RadonAway® will extend the Warranty Term of the fan to 60 months (5 years) from date of purchase or 66 months from date of manufacture, whichever is sooner, provided that the fan is installed by a professional radon mitigation contractor. Proof of purchase and/or proof of professional installation may be required for service under this warranty. No extended warranty is offered outside the Continental United States and Canada beyond the standard 12 months from the date of purchase or18 months from the date of manufacture, whichever is sooner.

RadonAway® is not responsible for installation, removal or delivery costs associated with this Warranty.

LIMITATION OF WARRANTY

EXCEPT AS STATED ABOVE, THE RP, GP (excluding GP500) and XP PRO SERIES FANS ARE PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULARPURPOSE.

IN NO EVENT SHALL RADONAWAY BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF, OR RELATING TO, THE FAN OR THE PERFORMANCE THEREOF. RADONAWAY'S AGGREGATE LIABILITY HEREUNDER SHALL NOT IN ANY EVENT EXCEED THE AMOUNT OF THE PURCHASE PRICE OF SAID PRODUCT. THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY SHALL BE THE REPAIR OR REPLACEMENT OF THE PRODUCT, TO THE EXTENT THE SAME DOES NOT MEET WITH RADONAWAY'S WARRANTY AS PROVIDED ABOVE.

For service under this Warranty, contact RadonAway for a Return Material Authorization (RMA) number and shipping information. No returns can be accepted without an RMA. If factory return is required, the customer assumes all shipping costs, including insurance, to and from factory.

RadonAway® 3 Saber Way
Ward Hill, MA 01835 USA TEL (978) 521-3703
FAX (978) 521-3964
Email to: Returns@RadonAway.com

Record the following information for your records:

Serial Number: _____ Purchase Date: _____

APPENDIX C

TABLES

Table 1
Soil Analytical Test Results Summary for VOCs
Detected Compounds Only

Martinizing Dry Cleaning and Laundry Service
1233 South Military Avenue
Green Bay, Wisconsin
Terracon Project No. 58217038

				VOCs (ug/kg)										
Sample ID	**Sample Depth (Feet)**	**Sample Date**	**PID (ppmv)**	Benzene	cis 1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Naphthalene	Tetrachloroethene	Trichloroethene	Toluene	1,1,1-Trichloroethane	Trimethylbenzenes	Xylenes
Northern Environmental (March 1999)														
B100B (S102B)	1.0-3.0	3/10/1999	--	<25	38	<25	<25	<25	**33,000**	*66*	<25	--	<50	<75
B200B (S201B)	1.0-3.0	3/10/1999	--	<25	<25	<25	<25	<25	*7,800*	*88*	<25	--	<50	<75
B300B (S301B)	1.0-3.0	3/10/1999	--	<25	<25	<25	<25	<25	*34*	<25	<25	--	<50	<75
STS (June 3, 1999)														
PZ-1 (S-2)	2.0-4.0	6/3/1999	--	<116	<115	<120	<157	<50.7	*10,100*	*511*	<68	--	<501	<352
PZ-1 (S-3)	4.0-6.0	6/3/1999	--	<11.4	21.2	<11.8	<15.4	<4.97	*2,760*	*134*	<6.67	--	<49.1	<34.6
MW-2 (S-3)	4.0-6.0	6/3/1999	--	<12.6	<12.5	<13.0	<17.1	<5.51	*106*	<14.2	<7.39	--	<54.5	<38.3
MW-3 (S-2)	2.0-4.0	6/3/1999	--	<11.7	<11.6	<12.1	<15.8	<5.12	<21.0	<13.2	<6.86	--	<50.6	<35.6
MW-3 (S-4)	6.0-8.0	6/3/1999	--	<12.9	<12.8	<13.3	<17.5	<5.64	*378*	<14.6	<7.56	--	<55.7	<39.1
MW-4 (S-2)	3.0-5.0	6/3/1999	--	<11.7	<11.6	<12.1	<15.8	<5.11	<21.0	<13.2	<6.86	--	<50.5	<35.5
Terracon (June 2021)														
MW-4R (3')	3	6/15/2021	<1	<18.3	<16.5	<18.3	*38.4 J*	<24.1	<29.9	<28.8	<19.4	<19.7	<47.8	<55.6
MW-4R (7')	7	6/15/2021	<1	<19.7	<17.7	<19.3	<23.0	<25.8	<32.1	<31.0	<20.9	<21.2	<51.4	<59.9
MW-7R (3')	3	6/15/2021	<1	<17.0	<15.3	<17.0	<19.9	<22.3	<27.8	<26.8	<18.0	<18.3	<44.4	<51.7
MW-7R (8')	8	6/15/2021	<1	<16.6	<14.9	<16.6	<19.3	<21.7	<27.0	<26.0	<17.5	<17.8	<43.1	<50.3
Non-Industrial Direct Contact RCL[1]				**1,600**	**156,000**	**8,020**	**6,180**	**5,520**	**33,000**	**1,300**	**818,000**	**--**	**219,000**	**260,000**
Industrial Direct Contact RCL[2]				7,070	2,340,000	35,400	1,150,000	24,100	145,000	8,410	818,000	--	219,000	260,000
Soil to Groundwater Pathway RCL[3]				*5.1*	*41.2*	*1,570*	*2.6*	*658.2*	*4.5*	*3.6*	*1,107.2*	*140.2*	*1,378.7*	*3,960*

Notes:

VOC = Volatile Organic Compounds

PID = Photoionization Detector

ppmv = Parts per million by volume

J= Estimated concentration at or above the limit of detection (LOD) and below the Limit of Quantitation (LOQ)

Results expressed in micrograms per kilogram (ug/kg)

[1] Non-Industrial Residual Contaminant Levels (RCLs) for Direct Contact per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (WDNR spreadsheet input parameters updated December 2018).

[2] Industrial Residual Contaminant Levels (RCLs) for Direct Contact per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).

[3] Protection of Groundwater RCLs per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).

* Combined value of 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene

XX.XX Bold and Tan = Exceeds Non-Industrial Direct Contact RCL

XX.XX Underlined and pink = Exceeds Industrial Direct Contact RCL

XX.XX Italicized and blue = Exceeds Soil to Groundwater Pathway RCL

Table 2
Groundwater Elevation Summary Table

Martinizing Dry Cleaning and Laundry Service
1233 South Military Avenue
Green Bay, Wisconsin
Terracon Project No. 58217038

Measured Location	Date	Reference Elevation**	Depth to Groundwater*	Groundwater Elevation
MW-1	6/17/1999	96.63	5.19	91.44
	1/4/2000	96.63	7.51	89.12
	10/30/2000	96.63	6.63	90.00
	7/8/2021	631.21	4.70	626.51
MW-2	6/17/1999	96.60	6.05	90.55
	1/4/2000	96.60	8.04	88.56
	10/30/2000	96.60	6.94	89.66
	7/8/2021	631.25	6.05	625.20
MW-3	6/17/1999	96.96	5.63	91.33
	1/4/2000	96.96	7.88	89.08
	10/30/2000	96.96	6.95	90.01
	7/8/2021	631.75	4.78	626.97
MW-4	6/17/1999	96.32	7.43	88.89
	1/4/2000	96.32	6.99	89.33
	10/30/2000	96.32	5.81	90.51
MW-4R	7/8/2021	630.78	3.13	627.65
MW-5	1/4/2000	97.43	7.86	89.57
	10/30/2000	97.43	7.10	90.33
	7/8/2021	632.03	4.43	627.60
MW-6	1/4/2000	96.65	7.59	89.06
	10/30/2000	96.65	6.75	89.90
	7/8/2021	631.22	4.89	626.33
MW-7	10/30/2000	96.33	6.57	89.76
MW-7R	7/8/2021	630.68	4.61	626.07
PZ-1	6/17/1999	96.55	6.39	90.16
	1/4/2000	96.55	8.07	88.48
	10/30/2000	96.55	7.28	89.27
	7/8/2021	631.08	5.18	625.90
PZ-2	10/30/2000	96.51	6.73	89.78
	7/8/2021	631.06	5.78	625.28
PZ-6	10/30/2000	96.73	7.12	89.61
	11/1/2000	96.73	Collected Lab Sample Only	--
	7/8/2021	631.30	6.27	625.03

Notes:
Reference Benchmark Elevation and survey information not available prior to 2021
STS measured well network in 1999 and 2000
Terracon measured well network in 2021

* Static water level above top of well casing

** Well Network Resurveyed in 2021. Reference Benchmark was a Green Bay datum, the fire hydrant by house 1223, at Elevation 149.11 feet and added 483.79 feet per the City of Green Bay to get to mean seal level (MSL)

Table 3
Vapor Analytical Test Results Summary for CVOCs

Martinizing Dry Cleaning and Laundry Service
1233 South Military Avenue
Green Bay, Wisconsin
Terracon Project No. 58217038

							CVOCs (ug/m³)				
Sample ID	**Sample Type**	**Sampling Location**	**First Floor/Basement**	**Sample Date**	**Sampling Method**	**Flow Regulator Calibrated Sampling Time**	Tetrachloroethene	Trichloroethene	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	Vinyl Chloride
Jim's Music Retail (1219 Military)											
AA1	Ambient Air	Jim's Music Retail (Front/West)	First Floor	3/4/2020	6-Liter Summa Canister	8-Hour	*338*	1.4	<0.793	<0.793	<0.511
				4/2/2020	6-Liter Summa Canister	30-minute	*555 / 365*	1.9	0.65 J	<0.52	<0.23
				5/20/2020	6-Liter Summa Canister	8-Hour	*940*	1.4	<0.19	<0.27	<0.15
AA2	Ambient Air	Jim's Music Retail (Back/East)	First Floor	3/4/2020	6-Liter Summa Canister	8-hour	*411*	1.93	<0.793	<0.793	<0.511
AA4	Ambient Air	Jim's Music Retail	North Basement	3/4/2020	6-Liter Summa Canister	8-Hour	*382*	**2.18**	<0.793	<0.793	<0.511
				4/2/2020	6-Liter Summa Canister	30-minute	*1,230*	**3.6**	1.40 J	<0.50	<0.22
				5/20/2020	6-Liter Summa Canister	8-Hour	*861*	0.77	<0.17	<0.52	<0.14
SSV2	Sub-slab	Jim's Music Retail (Front/West)	First Floor	3/4/2020	6-Liter Summa Canister	24-hour	99	<1.07	<0.793	<0.793	<0.511
Sump-1	Sub-slab	Jim's Music Retail (Northwest Sump)	Basement	3/4/2020	6-Liter Summa Canister	30-minute	96,300	559	350	<167	<107
Sump-2	Sub-slab	Jim's Music Retail (East Sump)	Basement	3/4/2020	6-Liter Summa Canister	30-minute	429	1.82	<0.793	<0.793	<0.511
AMB-1	Ambient Air	Jim's Music Retail (Basement)	Basement	8/25/2021	6-Liter Summa Canister	8-hour	*685*	**2.4**	<0.30	1.9	<0.13
Jim's Music Lesson (1231 Military)											
AA3	Ambient Air	Jim's Music Lesson	First Floor	3/4/2020	6-Liter Summa Canister	8-Hour	*827/983*	**6.23**	2.0	<0.793	<0.511
				4/2/2020	6-Liter Summa Canister	30-minute	*2,510*	**4.3**	1.7	<0.50	<0.22
				5/20/2020	6-Liter Summa Canister	8-Hour	*4,390*	1.1	<0.17	<0.25	<0.14
AA5	Ambient Air	Jim's Music Lesson	South Basement	3/4/2020	6-Liter Summa Canister	8-hour	*807 / 909*	*15.2*	4.84	<0.793	<0.511
SSV5	Sub-slab	Jim's Music Lesson (South Wall)	Basement	3/4/2020	6-Liter Summa Canister	30-minute	56,700	<994	<733	<733	<473
Sump-3	Sub-slab	Jim's Music Lesson (Ejector Pit)	Basement	3/4/2020	6-Liter Summa Canister	30-minute	1,410	171	87.2	<1.98	<1.28
Sump-4	Sub-slab	Jim's Music Lesson (Sump)	Basement	3/4/2020	6-Liter Summa Canister	30-minute	1,670	28.4	6.62	<2.83	<1.83
AMB-2	Ambient Air	Jim's Music Lesson	Basement	8/25/2021	6-Liter Summa Canister	8-hour	*1,990*	**4.6**	<0.25	0.91J	<0.13
Edward Jones Financial (1239 Military)											
AA6	Ambient Air	Edward Jones Financial	First Floor	3/4/2020	6-Liter Summa Canister	8-Hour	*292*	<1.07	<0.793	<0.793	<0.511
				5/20/2020	6-Liter Summa Canister	8-Hour	*422*	<0.36	<0.19	<0.27	<0.15
SSV3	Sub-slab	Edward Jones Financial	First Floor	3/4/2020	6-Liter Summa Canister	24-hour	306	<1.07	<0.793	<0.793	<0.511
Former William's Taekwondo (1235 Military)											
AA8	Ambient Air	Former William's Taekwondo	First Floor	3/4/2020	6-Liter Summa Canister	8-Hour	*1,420 / 2,270*	<1.07	<0.793	<0.793	<0.511
				4/2/2020	6-Liter Summa Canister	30-minute	*805*	<0.43	<0.37	<0.48	<0.21
				5/20/2020	6-Liter Summa Canister	8-Hour	*408*	<0.53	<0.28	<0.63	<0.23
SSV6	Sub-slab	Former William's Taekwondo	First Floor	3/4/2020	6-Liter Summa Canister	24-hour	6,220	<13.4	<9.91	<9.91	<6.39
One-Hour Martinizing											
SSV1	Sub-slab	One-Hour Martinizing	First Floor	3/4/2020	6-Liter Summa Canister	24-hour	6,350	79.50	45.2	<9.91	<6.39
Outdoors Near Vent											
AA7	Ambient Air	Outdoor Near Vent	Outdoors	3/4/2020	6-Liter Summa Canister	8-hour	23	<1.07	<0.793	<0.793	<0.511
Residential Indoor Air VAL [1]						µg/m³	**42**	**2.1**	NE	NE	**1.7**
Residential Sub-slab Vapor/Soil Gas VRSL [2]						µg/m³	1,400	70	NE	NE	57
Small Commercial Building Indoor Air VAL [1]						µg/m³	*180*	*8.8*	NE	NE	*28*
Small Commercial Building Sub-slab Vapor/Soil Gas VRSL [2]						µg/m³	6,000	290	NE	NE	930
Large Commercial/Industrial Building Indoor Air VAL [1]						µg/m³	180	8.8	NE	NE	28
Large Commercial/Industrial Building Sub-slab Vapor/Soil Gas VRSL [3]						µg/m³	18,000	880	NE	NE	2,800

Notes:

Results expressed in micrograms per cubic meter (ug/m³)

VAL = Vapor Action Limit

VRSL = Vapor Risk Screening Level

NE = A VAL or VRSL have not been established for this parameter

CVOCs = Chlorinated Volatile Organic Compounds

J= Estimated concentration at or above the limit of detection (LOD) and below the Limit of Quantitation (LOQ)

" < " Indicates not detected at or above the limit of detection (LOD)

" -- " Indicates standard not established, not calculated, not available, or not analyzed

[1] VAL given as the lesser of 1:100,000 lifetime cancer risk or noncancer hazard index of 1 value in generic U.S EPA Tables at the web address: http://www.epa.gov/re3hwmd/risk/human/rb-concentratio_table/Generic_Tables/index.htm and modifed for Wisconsin Vapor Intrusion Guildance PUB-RR-800 lifetime cancer risk (1:100,000) (Nov 2017)

[2] VRSL is the VAL adjusted for sub-slab vapor to indoor air by applying an attenuation factor of 0.03 for comparison with the analytical results.

[3] VRSL is the VAL adjusted for sub-slab vapor to indoor air by applying an attenuation factor of 0.01 for comparison with analytical results.

[4]Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) from 29 CFR 1910.1000 Z-2 Table; [62 FR 42018, August 4, 1997] as amended [71 FR 36009, June 23, 2006]. OSHA entries for beryllium and beryllium compounds from 82 FR 2470, January 9, 2017]. PELs are 8-hour time weighted averages (TWAs) unless otherwise indicated. OSHA enforces these limits under section 5(a)(2) of the OSH Act. In addition to the values listed in this table, the Z tables in 29 CFR 1910.1000 list skin absorption designations.

Sampled by GEI in March 2020 and May 2020 performed on behalf of Innovative Properties

Sampled by SCS Engineers in April 2020 performed on behalf of EPA

Previous consultants focused their vapor results tables on CVOCs. Other constituents were detected above their LODs, however, they were all detected below a VAL or VRSL.

Sampled by Terracon in July 2021

Bold - Exceedance of Residential Indoor Air VAL

Italicized - Exceedance of Small-Commercial Building Indoor Air VAL

Underlined - Exceedance of Large Commercial/Industrial Building Indoor Air VAL

Blue Shaded values indicate exceedance of applicable residential VRSLs (sub-slab)

Brown Shaded values indicate exceedance of applicable small commercial VRSLs (sub-slab)

Red Shaded values indicate exceedance of applicable Large commercial building VRSLs (sub-slab)

Table 4
Groundwater Analytical Test Results Summary for VOCs
Detected Compounds Only

Martinizing Dry Cleaning and Laundry Service
1233 South Military Avenue
Green Bay, Wisconsin
Terracon Project No. 58217038

		VOCs														
Sample ID	**Sample Date**	Benzene	1,1-Dichloroethene	Ethylbenzene	Bromodichloromethane	Methylene Chloride	Naphthalene	Toluene	1,1,1-Trichloroethane	Trimethylbenzenes	Xylenes	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
MW-1	6/17/1999	<94	<55	<97	<124	<127	<41	<55	**257**	<405	<285	**23,800**	**233**	<93	<105	--
	1/4/2000	<0.19	0.38	<0.19	**2.4**	<0.25	<0.082	0.13	<0.3	<0.81	<0.39	**13,400**	**85**	*62*	0.33	--
	10/30/2000	<0.19	<0.18	<0.13	<0.25	<0.12	<0.082	<0.11	<0.13	0.35	<0.30	*3.1*	<0.098	<0.19	<0.17	--
	3/27/2014	--	--	--	--	--	--	--	--	--	--	**3,210**	**11.7**	<10.5	--	<4.6
	4/20/2020	<6.2	<6.1	<8.0	<9.1	<14.5	<29.4	<6.7	<6.1	<42.8	<18.1	**1,010**	<6.4	<6.8	<11.6	<4.4
	7/8/2021	<0.30	<0.58	<0.33	<0.42	<0.32	<1.1	<0.29	<0.30	<0.81	<1.05	**943**	*4.4*	0.96J	<0.53	<0.17
MW-1 (DUP)	7/8/2021	<0.30	<0.58	<0.33	<0.42	<0.32	<1.1	<0.29	<0.30	<0.81	<1.05	**989**	*4.4*	1.0	<0.53	<0.17
MW-2	6/17/1999	<0.19	<0.11	<0.19	<0.25	<0.25	<0.08	<0.11	<0.30	<0.81	<0.57	<0.34	<0.21	<0.19	<0.21	--
	1/4/2000	<0.19	<0.11	<0.18	<0.25	<0.25	<0.082	<0.11	<0.30	<0.81	<0.39	<0.34	<0.21	<0.19	<0.21	--
	10/30/2000	<0.19	<0.18	<0.13	<0.25	<0.12	<0.082	<0.11	<0.13	<0.23	<0.30	<0.14	<0.098	<0.35	<0.17	--
	3/27/2014	--	--	--	--	--	--	--	--	--	--	<0.47	<0.36	<0.42	--	<0.18
	4/20/2020	<0.25	<0.24	<0.32	<0.36	<0.58	<1.2	<0.27	<0.24	<1.71	<0.73	<0.33	<0.26	<0.27	<0.46	<0.17
	7/8/2021	<0.30	<0.58	<0.33	<0.42	<0.32	<1.1	<0.29	<0.30	<0.81	<1.05	<0.41	<0.32	<0.47	<0.53	<0.17
MW-3	6/17/1999	<9.4	<5.5	<9.7	<12.5	<12.7	<4.1	<5.5	<15.1	<40.5	<28.5	**477**	<10.6	<9.3	<10.5	--
	1/4/2000	<0.19	<0.11	<0.19	<0.25	<0.25	<0.082	<0.11	<0.3	<0.81	<0.39	**489**	**5.9**	1.8	<0.21	--
	10/30/2000	<0.19	<0.18	<0.13	<0.25	<0.12	<0.082	0.19	<0.13	<0.23	<0.30	**386**	**5.7**	2.3	<0.17	--
	3/27/2014	--	--	--	--	--	--	--	--	--	--	**133**	<0.73	<0.84	--	<0.37
	4/20/2020	<0.25	<0.24	<0.32	<0.36	<0.58	<1.2	<0.27	<0.24	<1.71	<0.73	**38.4**	<0.26	<0.27	<0.46	<0.17
	7/8/2021	<0.30	<0.58	<0.33	<0.42	<0.32	<1.1	<0.29	<0.30	<0.81	<1.05	**32.5**	<0.32	<0.47	<0.53	<0.17
MW-4	6/17/1999	<0.19	<0.11	<0.19	<0.25	<0.25	<0.08	0.47	<0.30	<0.81	<0.57	<0.34	<0.21	<0.19	<0.21	--
	1/4/2000	<0.19	<0.11	<0.19	<0.25	<0.25	<0.082	<0.11	<0.30	<0.81	<0.39	<0.34	<0.21	<0.19	<0.21	--
	10/30/2000	<0.19	<0.18	<0.13	<0.25	<0.12	<0.082	<0.11	<0.13	<0.23	<0.30	*1.0*	<0.098	<0.19	<0.17	--
MW-4R	7/8/2021	<0.30	<0.58	<0.33	<0.42	<0.32	<1.1	<0.29	<0.30	<0.81	<1.05	<0.41	<0.32	<0.47	<0.53	<0.17
MW-5	1/4/2000	<0.19	<0.11	<0.19	<0.25	<0.25	<0.082	<0.11	<0.30	<0.81	<0.39	<0.34	<0.21	<0.19	<0.21	--
	10/30/2000	<0.19	<0.18	<0.13	<0.25	<0.12	<0.082	<0.11	<0.13	<0.23	<0.30	<0.14	<0.098	<0.19	<0.17	--
	3/27/2014	--	--	--	--	--	--	--	--	--	--	<0.47	<0.36	<0.50	--	<0.18
	4/20/2020	<0.25	<0.24	<0.32	<0.36	<0.58	<1.2	<0.27	<0.24	<1.71	<0.73	<0.33	<0.26	<0.27	<0.46	<0.17
	7/8/2021	<0.30	<0.58	<0.33	<0.42	<0.32	<1.1	<0.32	<0.30	<0.81	<1.05	<0.41	<0.32	<0.47	<0.53	<0.17
MW-6	1/4/2000	<0.19	<0.11	<0.19	**0.61**	<0.25	<0.082	<0.11	<0.30	<0.81	<0.39	**124**	**62**	*8.7*	<0.21	--
	10/30/2000	<0.19	<0.18	<0.13	<0.25	<0.12	<0.082	<0.11	<0.13	<0.23	<0.30	*2.2*	0.44	<0.19	<0.17	--
	3/27/2014	--	--	--	--	--	--	--	--	--	--	**62.2**	**9.0**	*15.2*	--	**0.38 J**
	4/20/2020	<0.25	<0.24	<0.32	<0.36	<0.58	<1.2	<0.27	<0.24	<1.71	<0.73	**25.3**	*3.9*	3.8	<0.46	*0.18 J*
	7/8/2021	<0.30	<0.58	<0.33	<0.42	<0.32	<1.1	<0.29	<0.30	<0.81	<1.05	**31.7**	**5.8**	5.2	<0.53	**0.20 J**
MW-7	10/30/2000	<0.19	<0.18	<0.13	<0.25	<0.12	<0.082	0.11	<0.13	<0.23	<0.30	<0.14	<0.098	2.3	<0.17	--
MW-7R	7/8/2021	<0.30	<0.58	<0.33	<0.42	<0.32	<1.1	<0.29	<0.30	<0.81	<1.05	<0.41	<0.32	0.76J	<0.53	<0.17
PZ-1	6/17/1999	<0.94	<0.55	<0.97	<1.24	<1.27	<0.41	<0.55	5.04	<4.05	<2.85	**98.3**	*4.0*	<0.93	<1.05	--
	1/4/2000	<0.19	<0.11	<0.19	<0.25	<0.25	<0.082	<0.11	<0.19	<0.81	<0.39	**27**	*3.9*	1.2	<0.21	--
	10/30/2000	<0.19	<0.18	<0.13	<0.25	<0.12	<0.082	<0.11	<0.13	<0.23	<0.30	**9.6**	**13**	2.1	<0.17	--
	3/27/2014	--	--	--	--	--	--	--	--	--	--	*2.9*	*2.6*	4.6	--	**0.31 J**
	4/20/2020	<0.25	<0.24	<0.32	<0.36	<0.58	<1.2	<0.27	<0.24	<1.71	<0.73	*3.7*	*2.2*	2.1	<0.46	<0.17
	7/8/2021	<0.30	<0.58	<0.33	<0.42	<0.32	<1.1	<0.29	<0.30	<0.45	<0.70	*2.8*	*2.6*	3.3	<0.53	<0.17
PZ-2	10/30/2000	0.24	<0.18	0.21	<0.25	<0.12	<0.082	0.58	<0.13	0.20	0.30	<0.14	<0.098	<0.19	<0.17	--
	3/27/2014	--	--	--	--	--	--	--	--	--	--	<0.47	<0.36	4.6	--	<0.18
	4/20/2020	<0.25	<0.24	<0.32	<0.36	<0.58	<1.2	<0.27	<0.24	--	--	<0.33	<0.26	<0.27	<0.46	<0.17
	7/8/2021	<0.30	<0.58	<0.33	<0.42	<0.32	<1.1	<0.29	<0.30	<0.81	<1.05	<0.41	<0.32	<0.47	<0.53	<0.17
PZ-6	11/1/2000	<0.19	<0.18	<0.13	<0.25	<0.12	<0.082	0.31	<0.13	<0.23	<0.30	*1.2*	*4.9*	*18*	<0.17	--
	3/27/2014	--	--	--	--	--	--	--	--	--	--	<0.47	<0.36	<0.42	--	**0.32 J**
	4/20/2020	<0.25	<0.24	<0.32	<0.36	<0.58	<1.2	<0.27	<0.24	<1.71	<0.73	<0.33	<0.26	<0.27	<0.46	**0.43 J**
	7/8/2021	<0.30	<0.58	<0.33	<0.42	<0.32	<1.1	<0.29	<0.30	<0.81	<1.05	<0.41	<0.32	<0.47	<0.53	<0.17
SUMP-1	7/8/2021	<0.30	<0.58	<0.33	<0.42	<0.32	<1.1	<0.29	<0.30	<0.81	<1.05	**626**	**6.4**	7.2	<0.53	<0.17
SUMP-2	7/8/2021	<0.30	<0.58	<0.33	<0.42	*1.4 J*	<1.1	<0.29	<0.30	<0.81	<1.05	*1.3*	<0.32	<0.47	<0.53	<0.17
NR 140, WAC, PAL[1]		*0.5*	*85*	*140*	*0.06*	*0.5*	*10*	*160*	*40*	*96*	*400*	*0.5*	*0.5*	*7*	*20*	*0.02*
NR 140, WAC, ES[2]		**5**	**850**	**700**	**0.6**	**5**	**100**	**800**	**200**	**480**	**2,000**	**5**	**5**	**70**	**100**	**0.2**

Notes:
Results expressed in microgram per liter (µg/L)
VOCs = Volatile Organic Compounds
J= Estimated concentration at or above the limit of detection (LOD) and below the Limit of Quantitation (LOQ)
STS sampled from June 1999 to November 2000
AECOM sampled in March 2014
GEI sampled in April 2020
Terracon sampled in July 2021
[1]Wisconsin Administrative Code (WAC), Chapter NR140 Groundwater Quality Preventive Action Limit (PAL), updated June 2021
[2]Wisconsin Administrative Code (WAC), Chapter NR140 Groundwater Quality Enforcement Standard (ES), updated June 2021

XX.XX Exceeds NR 140 PAL
XX.XX Exceeds NR 140 ES
-- Dashed Lines = No established standard or not analyzed

Table 5
Geochemical Parameter Analytical Results and Field Measurements Summary

Martinizing Dry Cleaning and Laundry Service
1233 South Military Avenue
Green Bay, Wisconsin
Terracon Project No. 58217038

		Field Parameters									Laboratory Parameters						
Sample ID	**Sample Date**	Temperature (°C)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential (ORP, mV)	Dissolved Oxygen (mg/L)	Ferrous Iron (mg/L)	Color	Odor	Turbidity	Total Organic Carbon (TOC, mg/L)	Methane (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Sulfate (µg/L)	Iron, Dissolved (µg/L)	Manganese, Dissolved (µg/L))
Conducive to/Indicative of Reductive Dechlorination		--	5<pH<9	>BG	<50	<0.5	--	--	--	--	>20 mg/L	>BG	Present	Present	<BG	>BG	>BG
MW-1	6/17/1999	--	6.80	985	--	--	--	Clear	None	Low	--	--	--	--	--	--	--
	1/4/2000	11.9	7.10	725	--	2.0	0.1	Clear	Slight	Low	--	--	--	--	--	--	--
	10/30/2000	15.7	7.07	914	--	6.0	0.0	Clear	None	Low	--	--	--	--	--	--	--
	7/8/2021	16.31	7.07	0.711	87.5	6.04	--	--	--	--	1.4	<0.58	<0.39	<0.25	--	--	--
MW-2	6/17/1999	--	6.24	880	--	--	--	Clear	None	Low	--	--	--	--	--	--	--
	1/4/2000	11.7	6.63	765	--	1.0	0.2	Clear	None	Low	--	--	--	--	--	--	--
	10/30/2000	15.5	6.56	945	--	2.0	0.0	Clear	None	Low	--	--	--	--	--	--	--
	7/8/2021	15.90	6.19	0.695	52.1	2.66	--	--	--	--	2.6	1.3J	<0.39	<0.25	--	--	--
MW-3	6/17/1999	--	6.74	839	--	--	--	Clear	None	Low	--	--	--	--	--	--	--
	1/4/2000	10.6	6.94	674	--	1.0	0.3	Clear	None	Low	--	--	--	--	--	--	--
	10/30/2000	15.9	7.11	750	--	2.0	0.1	Clear	None	Low	--	--	--	--	--	--	--
	7/8/2021	16.83	6.94	0.876	87.5	6.44	--	--	--	--	1.4	<0.58	<0.39	<0.25	--	--	--
MW-4	6/17/1999	--	6.74	2350	--	--	--	Clear	None	Low	--	--	--	--	--	--	--
	1/4/2000	11.1	6.94	1839	--	<1	<0.1	Clear	None	Low	--	--	--	--	--	--	--
	10/30/2000	16.6	7.11	2480	--	2.0	0.1	Clear	None	Low	--	--	--	--	--	--	--
MW-4R	7/8/2021	16.65	6.27	5.126	82.3	2.11	--	--	--	--	4.2	<0.58	<0.39	<0.25	--	--	--
MW-5	1/4/2000	9.6	7.26	2950	--	5.0	0.1	Light Brown	None	Low	--	--	--	--	--	--	--
	10/30/2000	15.6	7.40	3120	--	4.0	1.0	Clear	None	Low	--	--	--	--	--	--	--
	7/8/2021	16.64	7.12	0.92	81.7	9.46	--	--	--	--	1.4	<0.58	<0.39	<0.25	--	--	--
MW-6	1/4/2000	11.8	7.04	1100	--	3.0	0.1	Clear	None	Low	--	--	--	--	--	--	--
	10/30/2000	16.2	7.05	995	--	1.0	0.2	Clear	None	Low	--	--	--	--	--	--	--
	7/8/2021	17.57	6.70	0.735	33.3	3.26	--	--	--	--	4.1	11.3	<0.39	<0.25	--	--	--
MW-7	10/30/2000	18.2	7.07	1536	--	8.0	0.1	Clear	None	Low	--	--	--	--	--	--	--
MW-7R	7/8/2021	14.99	6.82	1.891	91.2	3.97	--	--	--	--	3.3	<0.58	<0.39	<0.25	--	--	--
PZ-1	6/17/1999	--	8.10	395	--	--	--	Clear	None	Low	--	--	--	--	--	--	--
	1/4/2000	12.4	8.06	369	--	<1	0.2	Light Brown	None	Medium	--	--	--	--	--	--	--
	10/30/2000	18.2	7.07	1536	--	4.0	0.3	Clear	None	Low	--	--	--	--	--	--	--
	7/8/2021	15.89	7.17	0.484	85.6	4.42	--	--	--	--	--	--	--	--	--	--	--
PZ-2	10/30/2000	14.1	7.80	482	--	1.0	1.0	Light Brown	None	Medium	--	--	--	--	--	--	--
	7/8/2021	12.96	7.06	0.41	-133.8	0.39	--	--	--	--	--	--	--	--	--	--	--
PZ-6	10/30/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/1/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/8/2021	15.86	7.24	0.307	-29.4	2.78	--	--	--	--	--	--	--	--	--	--	--

Notes:
BG = Background; MW-1 represents background concentrations and values
°C = Celsius
mV = Milivolts
ug/L = Micrograms per liter
mg/L = Milligrams per liter
ms/cm = Milisiemens per centimeter
STS sampled from June 1999 to November 2000
Terracon sampled in July 2021

APPENDIX D

SOIL BORING LOGS, WELL/DRILLHOLE/BOREHOLE FILLING & SEALING REPORTS, MONITORING WELL CONSTRUCTION FORMS, AND GROUNDWATER MONITORING WELL DEVELOPMENT FORMS

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
58217038 Martinizing Dry Cleaners		MW-4R

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Horizon	6/15/2021	6/15/2021	

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

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

Facility ID	County	County Code	Civil Town/City/ or Village
	Brown	5	Green bay

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60 50		0	Asphalt and basecoarse				<1						
			2	Clay, reddish brown, some gravel/ sand, dense, slight odor, dry				<1						
			4					<1						*Sample Submitted
2	60 52		6	...plastic not dense	CL			<1						
			8	...damp ...wet, abundant silt				<1						*Sample Submitted
3	60 33		10	Silty Clay, reddish brown, trace fine sand, plastic, wet, odor				<1						
			12					<1						
			14		CL-ML			<1						
4	60 30		16					<1						
			18					<1						
			20	End of Boring @ 20'				<1						

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

Signature	Firm	
Kristin Kinninger	Terracon Consultants, Inc. 9856 South 57th Street / Franklin, Wisconsin 53132	Tel: 414-423-0255 Fax: 414-423-0566

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
58217038 Martinizing Dry Cleaners		MW-7R

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Horizon	6/15/2021	6/15/2021	

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

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

Facility ID	County	County Code	Civil Town/City/ or Village
	Brown	5	Green bay

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	60 35		0	Asphalt and basecoarse				<1						
			2	Silty Clay, brown, crumbly, some sand, dry	CL-ML			<1						
			4					<1						*Sample Submitted
2	60 34		6	Silty Clay, brown, plastic, dry				<1						
			8		CL-ML			<1						*Sample Submitted
			10	...brownish gray, damp				<1						
3	60 45		12	Clay, brownish gray, plastic, wet	CL			<1						
			14					<1						
4	60 30		16	Silty Sand, gray, some clay, poorly graded, wet	SM			<1						
			18	Clay, gray, plastic, wet	CL			<1						
			20	End of Boring @ 20'				<1						

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

Signature	Firm	
Kristin Kinninger	Terracon Consultants, Inc. 9856 South 57th Street / Franklin, Wisconsin 53132	Tel: 414-423-0255 Fax: 414-423-0566

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

MW-4

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 for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Brown	___ ___ ___ ___ ___	

Latitude / Longitude (see instructions) _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ NW	¼ NW	Section	Township	Range
or Gov't Lot #		34	24 N	20 ☐ E ☐ W

Well Street Address: 1233 S. Military Ave

Well City, Village or Town	Well ZIP Code
Green Bay	54303

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Temporary Well	___ ___ ___ ___ ___

2. Facility / Owner Information

Facility Name: Martinizing Dry Cleaning
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 06/07/1999

If a Well Construction Report is available, please attach.

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
13 ft.	2 in.

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

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 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

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	13 ft.	1 Bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Terracon Consultants		06/15/2021

Street or Route	Telephone Number
9856 South 57th Street	(414) 423-0255

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Franklin	WI	53132	Katie Kinninger	08/27/2021

DNR Use Only

Date Received	Noted By

Comments:

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

MW-7

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 for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Brown	___ ___ ___ ___ ___	

Latitude / Longitude (see instructions) _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ NW	¼ NW	Section	Township	Range
or Gov't Lot #		34	24 N	20 ☐ E ☐ W

Well Street Address: 1233 S. Military Ave

Well City, Village or Town	Well ZIP Code
Green Bay	54303

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Temporary Well	___ ___ ___ ___ ___

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 10/10/2000

If a Well Construction Report is available, please attach.

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

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

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

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

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

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

2. Facility / Owner Information

Facility Name: Martinizing Dry Cleaning

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner:

Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code

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

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	15 ft.	.5 Bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Terracon Consultants		06/15/2021

Street or Route	Telephone Number
9856 South 57th Street	(414) 423-0255

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Franklin	WI	53132	Katie Kissinger	07/27/2021

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Martinizing Dry Cleaning	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-4R
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___° ___' _____" Long. ___° ___' _____" or	Wis. Unique Well No.: WC414 / DNR Well ID No.: ___
Facility ID: 405008780	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 06/15/2021 (m m d d y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 34, T. 24 N, R. 20 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Tony Kapugi, On-Site Environmental Services, Inc.
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

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

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

13. Sieve analysis performed? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

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

_____

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

F. Fine sand, top _____ ft. MSL or 2.0 ft.

G. Filter pack, top _____ ft. MSL or 3.0 ft.

H. Screen joint, top _____ ft. MSL or 4.0 ft.

I. Well bottom _____ ft. MSL or 14.0 ft.

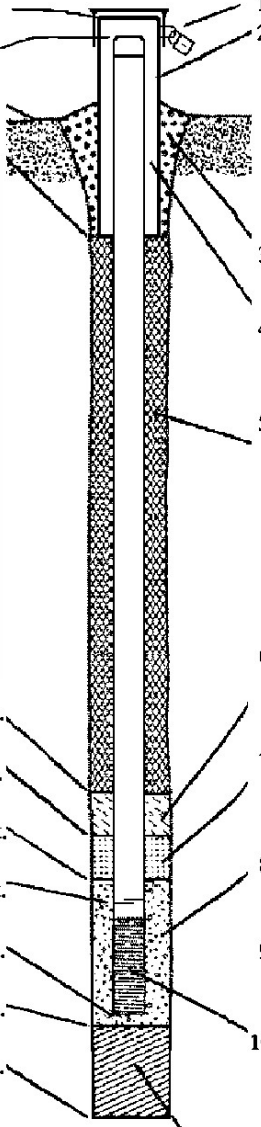
J. Filter pack, bottom _____ ft. MSL or 14.0 ft.

K. Borehole, bottom _____ ft. MSL or 15.0 ft.

L. Borehole, diameter 8.25 in.

M. O.D well casing 2.33 in.

N. I.D. well casing 2.08 in.



1. Cap and lock? ☐ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: Flush mount well Vault 8 in.
b. Length: ___ ft.
c. Material: Steel ☒ 04 / Other ☐ ___ _____
d. Additional protection? ☒ Yes ☐ No
If yes, describe: Concrete

3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐ ___ _____

4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ☐ ___ _____

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

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

7. Fine sand material: Manufacturer, product name & mesh size
a. #15 Flint Sand ___
b. Volume added .5 Bags ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Flint Sand ___
b. Volume added 7 Bags ft^3

9. Well casing: Flush threaded PVC schedule 40 ☐ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ___ _____

10. Screen material: PVC ___
a. Screen type: Factory cut ☐ 11 / Continuous slot ☐ 01 / Other ☐ ___ _____
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☒ 14 / Other ☐ ___ _____

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

Signature	Firm
Kristin Kunziger	Terracon Consultants

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

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Martinizing Dry Cleaning	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-7R
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___° ___' _____" Long. ___° ___' _____" or	Wis. Unique Well No.: WC415 / DNR Well ID No.: ___
Facility ID: 405008780	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 06/15/2021 (m m d d y y y y)
Type of Well: Well Code ___/___	Section Location of Waste/Source: NW 1/4 of NW 1/4 of Sec. 34, T. 24 N, R. 20 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Tony Kapugi, On-Site Environmental Services, Inc.
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

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

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

13. Sieve analysis performed? ☐ Yes ☒ No

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

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

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

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

_____

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

F. Fine sand, top _____ ft. MSL or 4.0 ft.

G. Filter pack, top _____ ft. MSL or 5.0 ft.

H. Screen joint, top _____ ft. MSL or 6.0 ft.

I. Well bottom _____ ft. MSL or 16.0 ft.

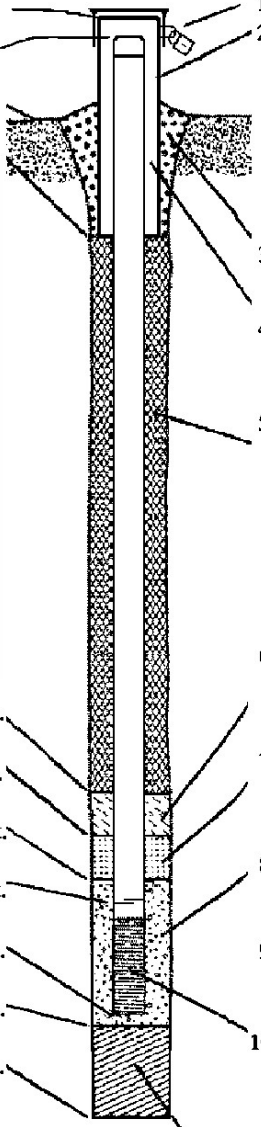
J. Filter pack, bottom _____ ft. MSL or 17.0 ft.

K. Borehole, bottom _____ ft. MSL or 17.0 ft.

L. Borehole, diameter 8.25 in.

M. O.D well casing 2.33 in.

N. I.D. well casing 2.08 in.



1. Cap and lock? ☐ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: Flush mount well Vault 8 in.
b. Length: ___ ft.
c. Material: Steel ☒ 04 / Other ☐ ___ _____
d. Additional protection? ☒ Yes ☐ No
If yes, describe: Concrete

3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐ ___ _____

4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ☐ ___ _____

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

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

7. Fine sand material: Manufacturer, product name & mesh size
a. #15 Flint Sand ___
b. Volume added .5 Bags ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. #40 Flint Sand ___
b. Volume added 6 Bags ft^3

9. Well casing: Flush threaded PVC schedule 40 ☐ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ___ _____

10. Screen material: PVC ___
a. Screen type: Factory cut ☐ 11 / Continuous slot ☐ 01 / Other ☐ ___ _____
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☒ 14 / Other ☐ ___ _____

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

Signature	Firm
Kristin Kunziger	Terracon Consultants

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Martinizing Dry Cleaning	Brown	MW-4R

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	05	WC414	___

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

2. Well development method

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

3. Time spent developing well ___60 min.

4. Depth of well (from top of well casisng) __13.71 ft.

5. Inside diameter of well __2.08 in.

6. Volume of water in filter pack and well casing __5.24 gal.

7. Volume of water removed from well __14.0 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __4.94 ft.	__13.01 ft.
Date	b. 06/17/2021 (m m / d d / y y y y)	06/17/2021 (m m / d d / y y y y)
Time	c. 12:00 ☐ a.m. ☒ p.m.	13:40 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	__.04 inches	__.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Turbid, brown grey	Clear ☒ 20 Turbid ☐ 25 (Describe) Clear
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Krista Last Name: Kroeninger
Firm: Terracon Consultants

17. Additional comments on development:

Purged dry three times until water was clear.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Qelfi Last Name: Nezeri
Facility/Firm: Innovative Properties Group, LLC
Street: _____
City/State/Zip: Manitowoc, Wisconsin

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Krista Kroeninger
Print Name: Krista Kroeninger
Firm: Terracon Consultants

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

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
Martinizing Dry Cleaning	Brown	MW-7R

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	05	WC415	___

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

2. Well development method

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

3. Time spent developing well ___67 min.

4. Depth of well (from top of well casisng) __15.92 ft.

5. Inside diameter of well __2.08 in.

6. Volume of water in filter pack and well casing __6.75 gal.

7. Volume of water removed from well __15.0 gal.

8. Volume of water added (if any) ___.__ gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __6.88 ft.	__15.90 ft.
Date	b. 06/17/2021 (m m d d y y y y)	06/17/2021 (m m d d y y y y)
Time	c. 12:21 ☐ a.m. ☒ p.m.	14:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	__.06 inches	__.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Turbid, brown grey	Clear ☒ 20 Turbid ☐ 25 (Describe) Clear

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

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Krista Last Name: Kroeninger
Firm: Terracon Consultants

17. Additional comments on development:

Purged dry three times until water was clear.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Qelfi Last Name: Nezeri
Facility/Firm: Innovative Properties Group, LLC
Street: _____
City/State/Zip: Manitowoc, Wisconsin

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Krista Kroeninger
Print Name: Krista Kroeninger
Firm: Terracon Consultants

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

APPENDIX E

PHOTOGRAPHS

Photo #1 View of outdoor vent piping and fans located at back of building facing northwest.

Photo #2 View of outdoor vent piping and fans facing southwest.

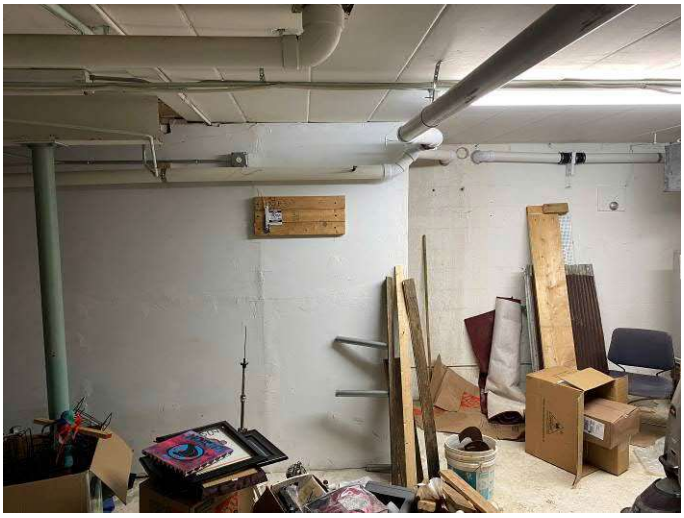


Photo #3 View of System B3 interior pipe routing facing southeast.

Photo #4 View of differential pressure gauge and collection piping at System B4 facing south.

Photo #5 View of blower and outdoor vent piping facing northwest.

Photo #6 General view of exterior systems at B1 and B2 facing southwest.

Photo #7 View of Sump 2 and differential pressure gauge facing southwest.

Photo #8 View of Sump 1 and differential pressure gauge facing northwest.

Photo #9 View of Sump 4 facing southeast.

Photo #10 View of Sump 3 facing southeast.

Photo #11 View of installation of monitoring well MW-4R facing northeast

Photo #12 View of monitoring well MW-7R facing west.

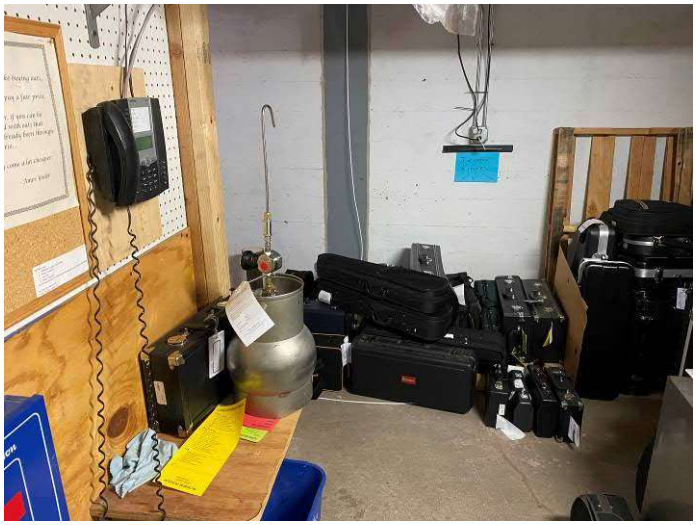


Photo #13 View of ambient air sample AMP-1 facing east.

Photo #14 View of ambient air sample AMP-2 facing southeast.

APPENDIX F

INVESTIGATION-DERIVED WASTE
DISPOSAL DOCUMENTATION

SO219427

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: n/a
2. Page 1 of
3. Emergency Response Phone: (800) 814-1204
4. Waste Tracking Number: CES 178068

GENERATOR

5. Generator's Name and Mailing Address
Innovative Properties Group, LLC
1233 Military Avenue
Green Bay Wisconsin 54304
Generator's Phone:

Generator's Site Address (if different than mailing address)
Innovative Properties Group, LLC
1233 Military Avenue
Green Bay Wisconsin 54304

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Covanta Environmental Solutions
210 Tower Rd.
WINNECONNE WI 54986 (920) 582-7596
Facility's Phone:

U.S. EPA ID Number: WIR000131656

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-RCRA, Non-DOT Regulated Material	002	DM	110	G	
2.	Non-RCRA, Non-DOT Regulated Material	001	DM	55	G	
3.						
4.						

13. Special Handling Instructions and Additional Information

1 5010281 Non hazardous soil cuttings CWT: N/A PO#:
2 5010282 non hazardous water drums CWT: X PO#:

Trailer #
Emergency Response Guid
Site arrival time 9:50AM
Site departure time 10:05AM
www.covanta.com

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Verbal — Signature — Month — Day — Year

INT'L

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

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike Messerschmidt — Signature — Month: 8 — Day: 13 — Year: 21

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Derek Koenig — Signature: Derek Koenig — Month — Day — Year

APPENDIX G

LABORATORY ANALYTICAL REPORTS, CHAIN OF CUSTODIES, GROUNDWATER SAMPLING INFORMATION SHEETS, AND SUB-SLAB/INDOOR AIR SAMPLING INFORMATION FORMS

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

June 21, 2021

Tim Welch
Terracon, Inc. - Franklin
9856 South 57th Street
Franklin, WI 53132

RE: Project: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Dear Tim Welch:

Enclosed are the analytical results for sample(s) received by the laboratory on June 15, 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,

Dan Milewsky
dan.milewsky@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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

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

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40228455001	**MW-4R (3')**	Solid	06/15/21 10:30	06/15/21 14:28
40228455002	**MW-4R (7')**	Solid	06/15/21 10:31	06/15/21 14:28
40228455003	**MW-7R (3')**	Solid	06/15/21 13:20	06/15/21 14:28
40228455004	**MW-7R (8')**	Solid	06/15/21 13:21	06/15/21 14:28
40228455005	**TRIP BLANK**	Solid	06/15/21 00:00	06/15/21 14:28

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

SAMPLE ANALYTE COUNT

Project: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40228455001	**MW-4R (3')**	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	SRK	1	PASI-G
40228455002	**MW-4R (7')**	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	SRK	1	PASI-G
40228455003	**MW-7R (3')**	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	SRK	1	PASI-G
40228455004	**MW-7R (8')**	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	SRK	1	PASI-G
40228455005	**TRIP BLANK**	EPA 8260	ALD	64	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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40228455001	**MW-4R (3')**					
EPA 8260	Methylene Chloride	38.4J	ug/kg	77.1	06/17/21 12:10	B
ASTM D2974-87	Percent Moisture	21.3	%	0.10	06/16/21 16:14	
40228455002	**MW-4R (7')**					
ASTM D2974-87	Percent Moisture	24.7	%	0.10	06/16/21 16:14	
40228455003	**MW-7R (3')**					
ASTM D2974-87	Percent Moisture	17.8	%	0.10	06/16/21 16:14	
40228455004	**MW-7R (8')**					
ASTM D2974-87	Percent Moisture	16.4	%	0.10	06/16/21 16:14	

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Method: **EPA 8260**
Description: 8260 MSV Med Level Normal List
Client: Terracon, Inc. - Franklin
Date: June 21, 2021

General Information:
5 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 388201

B: Analyte was detected in the associated method blank.
- BLANK for HBN 388201 [MSV/5754 (Lab ID: 2239297)
  - Methylene Chloride

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 388230

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
- LCS (Lab ID: 2239471)
  - trans-1,2-Dichloroethene

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

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

PROJECT NARRATIVE

Project: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Method: **EPA 8260**
Description: 8260 MSV Med Level Normal List
Client: Terracon, Inc. - Franklin
Date: June 21, 2021

QC Batch: 388230

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40228455003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2239472)
  - Chloroform
- MSD (Lab ID: 2239473)
  - Chloroform
  - cis-1,2-Dichloroethene

R1: RPD value was outside control limits.

- MSD (Lab ID: 2239473)
  - Chloroethane

Additional Comments:

Analyte Comments:

QC Batch: 388201

1q: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from the analysis of the MS/MSD that demonstrated similar interference).

- MW-4R (3') (Lab ID: 40228455001)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)

2q: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from the analysis of the parent sample and MS that demonstrated similar interference).

- MSD (Lab ID: 2239300)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)

3q: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from the analysis of the parent sample and MSD that demonstrated similar interference).

- MS (Lab ID: 2239299)
  - 1,2-Dichlorobenzene-d4 (S)
  - 4-Bromofluorobenzene (S)
  - Toluene-d8 (S)

QC Batch: 388230

1q: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from the analysis of the MS/MSD that demonstrated similar interference).

- MW-7R (3') (Lab ID: 40228455003)
  - 1,2-Dichlorobenzene-d4 (S)

2q: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from the analysis of the parent sample and MS that demonstrated similar interference).

- MSD (Lab ID: 2239473)
  - 1,2-Dichlorobenzene-d4 (S)

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

PROJECT NARRATIVE

Project: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Method: **EPA 8260**
Description: 8260 MSV Med Level Normal List
Client: Terracon, Inc. - Franklin
Date: June 21, 2021

Analyte Comments:

QC Batch: 388230

3q: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from the analysis of the parent sample and MSD that demonstrated similar interference).

- MS (Lab ID: 2239472)
  - 1,2-Dichlorobenzene-d4 (S)

This data package has been reviewed for quality and completeness and is approved for release.

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

ANALYTICAL RESULTS

Project: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Sample: MW-4R (3') **Lab ID: 40228455001** Collected: 06/15/21 10:30 Received: 06/15/21 14:28 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	**<18.3**	ug/kg	30.8	18.3	1	06/17/21 08:00	06/17/21 12:10	71-43-2	
Bromobenzene	**<30.1**	ug/kg	77.1	30.1	1	06/17/21 08:00	06/17/21 12:10	108-86-1	
Bromochloromethane	**<21.1**	ug/kg	77.1	21.1	1	06/17/21 08:00	06/17/21 12:10	74-97-5	
Bromodichloromethane	**<18.3**	ug/kg	77.1	18.3	1	06/17/21 08:00	06/17/21 12:10	75-27-4	
Bromoform	**<339**	ug/kg	385	339	1	06/17/21 08:00	06/17/21 12:10	75-25-2	
Bromomethane	**<108**	ug/kg	385	108	1	06/17/21 08:00	06/17/21 12:10	74-83-9	
n-Butylbenzene	**<35.3**	ug/kg	77.1	35.3	1	06/17/21 08:00	06/17/21 12:10	104-51-8	
sec-Butylbenzene	**<18.8**	ug/kg	77.1	18.8	1	06/17/21 08:00	06/17/21 12:10	135-98-8	
tert-Butylbenzene	**<24.2**	ug/kg	77.1	24.2	1	06/17/21 08:00	06/17/21 12:10	98-06-6	
Carbon tetrachloride	**<17.0**	ug/kg	77.1	17.0	1	06/17/21 08:00	06/17/21 12:10	56-23-5	
Chlorobenzene	**<9.2**	ug/kg	77.1	9.2	1	06/17/21 08:00	06/17/21 12:10	108-90-7	
Chloroethane	**<32.5**	ug/kg	385	32.5	1	06/17/21 08:00	06/17/21 12:10	75-00-3	
Chloroform	**<55.2**	ug/kg	385	55.2	1	06/17/21 08:00	06/17/21 12:10	67-66-3	
Chloromethane	**<29.3**	ug/kg	77.1	29.3	1	06/17/21 08:00	06/17/21 12:10	74-87-3	
2-Chlorotoluene	**<25.0**	ug/kg	77.1	25.0	1	06/17/21 08:00	06/17/21 12:10	95-49-8	
4-Chlorotoluene	**<29.3**	ug/kg	77.1	29.3	1	06/17/21 08:00	06/17/21 12:10	106-43-4	
1,2-Dibromo-3-chloropropane	**<59.8**	ug/kg	385	59.8	1	06/17/21 08:00	06/17/21 12:10	96-12-8	
Dibromochloromethane	**<263**	ug/kg	385	263	1	06/17/21 08:00	06/17/21 12:10	124-48-1	
1,2-Dibromoethane (EDB)	**<21.1**	ug/kg	77.1	21.1	1	06/17/21 08:00	06/17/21 12:10	106-93-4	
Dibromomethane	**<22.8**	ug/kg	77.1	22.8	1	06/17/21 08:00	06/17/21 12:10	74-95-3	
1,2-Dichlorobenzene	**<23.9**	ug/kg	77.1	23.9	1	06/17/21 08:00	06/17/21 12:10	95-50-1	
1,3-Dichlorobenzene	**<21.1**	ug/kg	77.1	21.1	1	06/17/21 08:00	06/17/21 12:10	541-73-1	
1,4-Dichlorobenzene	**<21.1**	ug/kg	77.1	21.1	1	06/17/21 08:00	06/17/21 12:10	106-46-7	
Dichlorodifluoromethane	**<33.1**	ug/kg	77.1	33.1	1	06/17/21 08:00	06/17/21 12:10	75-71-8	
1,1-Dichloroethane	**<19.7**	ug/kg	77.1	19.7	1	06/17/21 08:00	06/17/21 12:10	75-34-3	
1,2-Dichloroethane	**<17.7**	ug/kg	77.1	17.7	1	06/17/21 08:00	06/17/21 12:10	107-06-2	
1,1-Dichloroethene	**<25.6**	ug/kg	77.1	25.6	1	06/17/21 08:00	06/17/21 12:10	75-35-4	
cis-1,2-Dichloroethene	**<16.5**	ug/kg	77.1	16.5	1	06/17/21 08:00	06/17/21 12:10	156-59-2	
trans-1,2-Dichloroethene	**<16.7**	ug/kg	77.1	16.7	1	06/17/21 08:00	06/17/21 12:10	156-60-5	
1,2-Dichloropropane	**<18.3**	ug/kg	77.1	18.3	1	06/17/21 08:00	06/17/21 12:10	78-87-5	
1,3-Dichloropropane	**<16.8**	ug/kg	77.1	16.8	1	06/17/21 08:00	06/17/21 12:10	142-28-9	
2,2-Dichloropropane	**<20.8**	ug/kg	77.1	20.8	1	06/17/21 08:00	06/17/21 12:10	594-20-7	
1,1-Dichloropropene	**<25.0**	ug/kg	77.1	25.0	1	06/17/21 08:00	06/17/21 12:10	563-58-6	
cis-1,3-Dichloropropene	**<50.9**	ug/kg	385	50.9	1	06/17/21 08:00	06/17/21 12:10	10061-01-5	
trans-1,3-Dichloropropene	**<220**	ug/kg	385	220	1	06/17/21 08:00	06/17/21 12:10	10061-02-6	
Diisopropyl ether	**<19.1**	ug/kg	77.1	19.1	1	06/17/21 08:00	06/17/21 12:10	108-20-3	
Ethylbenzene	**<18.3**	ug/kg	77.1	18.3	1	06/17/21 08:00	06/17/21 12:10	100-41-4	
Hexachloro-1,3-butadiene	**<153**	ug/kg	385	153	1	06/17/21 08:00	06/17/21 12:10	87-68-3	
Isopropylbenzene (Cumene)	**<20.8**	ug/kg	77.1	20.8	1	06/17/21 08:00	06/17/21 12:10	98-82-8	
p-Isopropyltoluene	**<23.4**	ug/kg	77.1	23.4	1	06/17/21 08:00	06/17/21 12:10	99-87-6	
Methylene Chloride	**38.4J**	ug/kg	77.1	21.4	1	06/17/21 08:00	06/17/21 12:10	75-09-2	B
Methyl-tert-butyl ether	**<22.7**	ug/kg	77.1	22.7	1	06/17/21 08:00	06/17/21 12:10	1634-04-4	
Naphthalene	**<24.1**	ug/kg	385	24.1	1	06/17/21 08:00	06/17/21 12:10	91-20-3	
n-Propylbenzene	**<18.5**	ug/kg	77.1	18.5	1	06/17/21 08:00	06/17/21 12:10	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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Sample: MW-4R (3') **Lab ID: 40228455001** Collected: 06/15/21 10:30 Received: 06/15/21 14:28 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	**<19.7**	ug/kg	77.1	19.7	1	06/17/21 08:00	06/17/21 12:10	100-42-5	
1,1,1,2-Tetrachloroethane	**<18.5**	ug/kg	77.1	18.5	1	06/17/21 08:00	06/17/21 12:10	630-20-6	
1,1,2,2-Tetrachloroethane	**<27.9**	ug/kg	77.1	27.9	1	06/17/21 08:00	06/17/21 12:10	79-34-5	
Tetrachloroethene	**<29.9**	ug/kg	77.1	29.9	1	06/17/21 08:00	06/17/21 12:10	127-18-4	
Toluene	**<19.4**	ug/kg	77.1	19.4	1	06/17/21 08:00	06/17/21 12:10	108-88-3	
1,2,3-Trichlorobenzene	**<85.9**	ug/kg	385	85.9	1	06/17/21 08:00	06/17/21 12:10	87-61-6	
1,2,4-Trichlorobenzene	**<63.5**	ug/kg	385	63.5	1	06/17/21 08:00	06/17/21 12:10	120-82-1	
1,1,1-Trichloroethane	**<19.7**	ug/kg	77.1	19.7	1	06/17/21 08:00	06/17/21 12:10	71-55-6	
1,1,2-Trichloroethane	**<28.1**	ug/kg	77.1	28.1	1	06/17/21 08:00	06/17/21 12:10	79-00-5	
Trichloroethene	**<28.8**	ug/kg	77.1	28.8	1	06/17/21 08:00	06/17/21 12:10	79-01-6	
Trichlorofluoromethane	**<22.4**	ug/kg	77.1	22.4	1	06/17/21 08:00	06/17/21 12:10	75-69-4	
1,2,3-Trichloropropane	**<37.5**	ug/kg	77.1	37.5	1	06/17/21 08:00	06/17/21 12:10	96-18-4	
1,2,4-Trimethylbenzene	**<23.0**	ug/kg	77.1	23.0	1	06/17/21 08:00	06/17/21 12:10	95-63-6	
1,3,5-Trimethylbenzene	**<24.8**	ug/kg	77.1	24.8	1	06/17/21 08:00	06/17/21 12:10	108-67-8	
Vinyl chloride	**<15.6**	ug/kg	77.1	15.6	1	06/17/21 08:00	06/17/21 12:10	75-01-4	
m&p-Xylene	**<32.5**	ug/kg	154	32.5	1	06/17/21 08:00	06/17/21 12:10	179601-23-1	
o-Xylene	**<23.1**	ug/kg	77.1	23.1	1	06/17/21 08:00	06/17/21 12:10	95-47-6	
Surrogates									
Toluene-d8 (S)	36	%	67-159		1	06/17/21 08:00	06/17/21 12:10	2037-26-5	1q
4-Bromofluorobenzene (S)	41	%	66-153		1	06/17/21 08:00	06/17/21 12:10	460-00-4	1q
1,2-Dichlorobenzene-d4 (S)	35	%	82-158		1	06/17/21 08:00	06/17/21 12:10	2199-69-1	1q
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**21.3**	%	0.10	0.10	1		06/16/21 16:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Sample: MW-4R (7') **Lab ID: 40228455002** Collected: 06/15/21 10:31 Received: 06/15/21 14:28 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	**<19.7**	ug/kg	33.1	19.7	1	06/17/21 08:00	06/17/21 13:28	71-43-2	
Bromobenzene	**<32.3**	ug/kg	82.8	32.3	1	06/17/21 08:00	06/17/21 13:28	108-86-1	
Bromochloromethane	**<22.7**	ug/kg	82.8	22.7	1	06/17/21 08:00	06/17/21 13:28	74-97-5	
Bromodichloromethane	**<19.7**	ug/kg	82.8	19.7	1	06/17/21 08:00	06/17/21 13:28	75-27-4	
Bromoform	**<364**	ug/kg	414	364	1	06/17/21 08:00	06/17/21 13:28	75-25-2	
Bromomethane	**<116**	ug/kg	414	116	1	06/17/21 08:00	06/17/21 13:28	74-83-9	
n-Butylbenzene	**<37.9**	ug/kg	82.8	37.9	1	06/17/21 08:00	06/17/21 13:28	104-51-8	
sec-Butylbenzene	**<20.2**	ug/kg	82.8	20.2	1	06/17/21 08:00	06/17/21 13:28	135-98-8	
tert-Butylbenzene	**<26.0**	ug/kg	82.8	26.0	1	06/17/21 08:00	06/17/21 13:28	98-06-6	
Carbon tetrachloride	**<18.2**	ug/kg	82.8	18.2	1	06/17/21 08:00	06/17/21 13:28	56-23-5	
Chlorobenzene	**<9.9**	ug/kg	82.8	9.9	1	06/17/21 08:00	06/17/21 13:28	108-90-7	
Chloroethane	**<35.0**	ug/kg	414	35.0	1	06/17/21 08:00	06/17/21 13:28	75-00-3	
Chloroform	**<59.3**	ug/kg	414	59.3	1	06/17/21 08:00	06/17/21 13:28	67-66-3	
Chloromethane	**<31.5**	ug/kg	82.8	31.5	1	06/17/21 08:00	06/17/21 13:28	74-87-3	
2-Chlorotoluene	**<26.8**	ug/kg	82.8	26.8	1	06/17/21 08:00	06/17/21 13:28	95-49-8	
4-Chlorotoluene	**<31.5**	ug/kg	82.8	31.5	1	06/17/21 08:00	06/17/21 13:28	106-43-4	
1,2-Dibromo-3-chloropropane	**<64.3**	ug/kg	414	64.3	1	06/17/21 08:00	06/17/21 13:28	96-12-8	
Dibromochloromethane	**<283**	ug/kg	414	283	1	06/17/21 08:00	06/17/21 13:28	124-48-1	
1,2-Dibromoethane (EDB)	**<22.7**	ug/kg	82.8	22.7	1	06/17/21 08:00	06/17/21 13:28	106-93-4	
Dibromomethane	**<24.5**	ug/kg	82.8	24.5	1	06/17/21 08:00	06/17/21 13:28	74-95-3	
1,2-Dichlorobenzene	**<25.7**	ug/kg	82.8	25.7	1	06/17/21 08:00	06/17/21 13:28	95-50-1	
1,3-Dichlorobenzene	**<22.7**	ug/kg	82.8	22.7	1	06/17/21 08:00	06/17/21 13:28	541-73-1	
1,4-Dichlorobenzene	**<22.7**	ug/kg	82.8	22.7	1	06/17/21 08:00	06/17/21 13:28	106-46-7	
Dichlorodifluoromethane	**<35.6**	ug/kg	82.8	35.6	1	06/17/21 08:00	06/17/21 13:28	75-71-8	
1,1-Dichloroethane	**<21.2**	ug/kg	82.8	21.2	1	06/17/21 08:00	06/17/21 13:28	75-34-3	
1,2-Dichloroethane	**<19.1**	ug/kg	82.8	19.1	1	06/17/21 08:00	06/17/21 13:28	107-06-2	
1,1-Dichloroethene	**<27.5**	ug/kg	82.8	27.5	1	06/17/21 08:00	06/17/21 13:28	75-35-4	
cis-1,2-Dichloroethene	**<17.7**	ug/kg	82.8	17.7	1	06/17/21 08:00	06/17/21 13:28	156-59-2	
trans-1,2-Dichloroethene	**<17.9**	ug/kg	82.8	17.9	1	06/17/21 08:00	06/17/21 13:28	156-60-5	
1,2-Dichloropropane	**<19.7**	ug/kg	82.8	19.7	1	06/17/21 08:00	06/17/21 13:28	78-87-5	
1,3-Dichloropropane	**<18.1**	ug/kg	82.8	18.1	1	06/17/21 08:00	06/17/21 13:28	142-28-9	
2,2-Dichloropropane	**<22.4**	ug/kg	82.8	22.4	1	06/17/21 08:00	06/17/21 13:28	594-20-7	
1,1-Dichloropropene	**<26.8**	ug/kg	82.8	26.8	1	06/17/21 08:00	06/17/21 13:28	563-58-6	
cis-1,3-Dichloropropene	**<54.7**	ug/kg	414	54.7	1	06/17/21 08:00	06/17/21 13:28	10061-01-5	
trans-1,3-Dichloropropene	**<237**	ug/kg	414	237	1	06/17/21 08:00	06/17/21 13:28	10061-02-6	
Diisopropyl ether	**<20.5**	ug/kg	82.8	20.5	1	06/17/21 08:00	06/17/21 13:28	108-20-3	
Ethylbenzene	**<19.7**	ug/kg	82.8	19.7	1	06/17/21 08:00	06/17/21 13:28	100-41-4	
Hexachloro-1,3-butadiene	**<165**	ug/kg	414	165	1	06/17/21 08:00	06/17/21 13:28	87-68-3	
Isopropylbenzene (Cumene)	**<22.4**	ug/kg	82.8	22.4	1	06/17/21 08:00	06/17/21 13:28	98-82-8	
p-Isopropyltoluene	**<25.2**	ug/kg	82.8	25.2	1	06/17/21 08:00	06/17/21 13:28	99-87-6	
Methylene Chloride	**<23.0**	ug/kg	82.8	23.0	1	06/17/21 08:00	06/17/21 13:28	75-09-2	
Methyl-tert-butyl ether	**<24.4**	ug/kg	82.8	24.4	1	06/17/21 08:00	06/17/21 13:28	1634-04-4	
Naphthalene	**<25.8**	ug/kg	414	25.8	1	06/17/21 08:00	06/17/21 13:28	91-20-3	
n-Propylbenzene	**<19.9**	ug/kg	82.8	19.9	1	06/17/21 08:00	06/17/21 13:28	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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Sample: MW-4R (7') **Lab ID: 40228455002** Collected: 06/15/21 10:31 Received: 06/15/21 14:28 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	**<21.2**	ug/kg	82.8	21.2	1	06/17/21 08:00	06/17/21 13:28	100-42-5	
1,1,1,2-Tetrachloroethane	**<19.9**	ug/kg	82.8	19.9	1	06/17/21 08:00	06/17/21 13:28	630-20-6	
1,1,2,2-Tetrachloroethane	**<30.0**	ug/kg	82.8	30.0	1	06/17/21 08:00	06/17/21 13:28	79-34-5	
Tetrachloroethene	**<32.1**	ug/kg	82.8	32.1	1	06/17/21 08:00	06/17/21 13:28	127-18-4	
Toluene	**<20.9**	ug/kg	82.8	20.9	1	06/17/21 08:00	06/17/21 13:28	108-88-3	
1,2,3-Trichlorobenzene	**<92.3**	ug/kg	414	92.3	1	06/17/21 08:00	06/17/21 13:28	87-61-6	
1,2,4-Trichlorobenzene	**<68.3**	ug/kg	414	68.3	1	06/17/21 08:00	06/17/21 13:28	120-82-1	
1,1,1-Trichloroethane	**<21.2**	ug/kg	82.8	21.2	1	06/17/21 08:00	06/17/21 13:28	71-55-6	
1,1,2-Trichloroethane	**<30.2**	ug/kg	82.8	30.2	1	06/17/21 08:00	06/17/21 13:28	79-00-5	
Trichloroethene	**<31.0**	ug/kg	82.8	31.0	1	06/17/21 08:00	06/17/21 13:28	79-01-6	
Trichlorofluoromethane	**<24.0**	ug/kg	82.8	24.0	1	06/17/21 08:00	06/17/21 13:28	75-69-4	
1,2,3-Trichloropropane	**<40.3**	ug/kg	82.8	40.3	1	06/17/21 08:00	06/17/21 13:28	96-18-4	
1,2,4-Trimethylbenzene	**<24.7**	ug/kg	82.8	24.7	1	06/17/21 08:00	06/17/21 13:28	95-63-6	
1,3,5-Trimethylbenzene	**<26.7**	ug/kg	82.8	26.7	1	06/17/21 08:00	06/17/21 13:28	108-67-8	
Vinyl chloride	**<16.7**	ug/kg	82.8	16.7	1	06/17/21 08:00	06/17/21 13:28	75-01-4	
m&p-Xylene	**<35.0**	ug/kg	166	35.0	1	06/17/21 08:00	06/17/21 13:28	179601-23-1	
o-Xylene	**<24.9**	ug/kg	82.8	24.9	1	06/17/21 08:00	06/17/21 13:28	95-47-6	
Surrogates									
Toluene-d8 (S)	111	%	67-159		1	06/17/21 08:00	06/17/21 13:28	2037-26-5	
4-Bromofluorobenzene (S)	121	%	66-153		1	06/17/21 08:00	06/17/21 13:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	82-158		1	06/17/21 08:00	06/17/21 13:28	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**24.7**	%	0.10	0.10	1		06/16/21 16:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Sample: MW-7R (3') **Lab ID: 40228455003** Collected: 06/15/21 13:20 Received: 06/15/21 14:28 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	06/17/21 08:15	06/18/21 12:22	71-43-2	
Bromobenzene	**<27.9**	ug/kg	71.6	27.9	1	06/17/21 08:15	06/18/21 12:22	108-86-1	
Bromochloromethane	**<19.6**	ug/kg	71.6	19.6	1	06/17/21 08:15	06/18/21 12:22	74-97-5	
Bromodichloromethane	**<17.0**	ug/kg	71.6	17.0	1	06/17/21 08:15	06/18/21 12:22	75-27-4	
Bromoform	**<315**	ug/kg	358	315	1	06/17/21 08:15	06/18/21 12:22	75-25-2	
Bromomethane	**<100**	ug/kg	358	100	1	06/17/21 08:15	06/18/21 12:22	74-83-9	
n-Butylbenzene	**<32.8**	ug/kg	71.6	32.8	1	06/17/21 08:15	06/18/21 12:22	104-51-8	
sec-Butylbenzene	**<17.5**	ug/kg	71.6	17.5	1	06/17/21 08:15	06/18/21 12:22	135-98-8	
tert-Butylbenzene	**<22.5**	ug/kg	71.6	22.5	1	06/17/21 08:15	06/18/21 12:22	98-06-6	
Carbon tetrachloride	**<15.8**	ug/kg	71.6	15.8	1	06/17/21 08:15	06/18/21 12:22	56-23-5	
Chlorobenzene	**<8.6**	ug/kg	71.6	8.6	1	06/17/21 08:15	06/18/21 12:22	108-90-7	
Chloroethane	**<30.2**	ug/kg	358	30.2	1	06/17/21 08:15	06/18/21 12:22	75-00-3	R1
Chloroform	**<51.3**	ug/kg	358	51.3	1	06/17/21 08:15	06/18/21 12:22	67-66-3	M1
Chloromethane	**<27.2**	ug/kg	71.6	27.2	1	06/17/21 08:15	06/18/21 12:22	74-87-3	
2-Chlorotoluene	**<23.2**	ug/kg	71.6	23.2	1	06/17/21 08:15	06/18/21 12:22	95-49-8	
4-Chlorotoluene	**<27.2**	ug/kg	71.6	27.2	1	06/17/21 08:15	06/18/21 12:22	106-43-4	
1,2-Dibromo-3-chloropropane	**<55.6**	ug/kg	358	55.6	1	06/17/21 08:15	06/18/21 12:22	96-12-8	
Dibromochloromethane	**<245**	ug/kg	358	245	1	06/17/21 08:15	06/18/21 12:22	124-48-1	
1,2-Dibromoethane (EDB)	**<19.6**	ug/kg	71.6	19.6	1	06/17/21 08:15	06/18/21 12:22	106-93-4	
Dibromomethane	**<21.2**	ug/kg	71.6	21.2	1	06/17/21 08:15	06/18/21 12:22	74-95-3	
1,2-Dichlorobenzene	**<22.2**	ug/kg	71.6	22.2	1	06/17/21 08:15	06/18/21 12:22	95-50-1	
1,3-Dichlorobenzene	**<19.6**	ug/kg	71.6	19.6	1	06/17/21 08:15	06/18/21 12:22	541-73-1	
1,4-Dichlorobenzene	**<19.6**	ug/kg	71.6	19.6	1	06/17/21 08:15	06/18/21 12:22	106-46-7	
Dichlorodifluoromethane	**<30.8**	ug/kg	71.6	30.8	1	06/17/21 08:15	06/18/21 12:22	75-71-8	
1,1-Dichloroethane	**<18.3**	ug/kg	71.6	18.3	1	06/17/21 08:15	06/18/21 12:22	75-34-3	
1,2-Dichloroethane	**<16.5**	ug/kg	71.6	16.5	1	06/17/21 08:15	06/18/21 12:22	107-06-2	
1,1-Dichloroethene	**<23.8**	ug/kg	71.6	23.8	1	06/17/21 08:15	06/18/21 12:22	75-35-4	
cis-1,2-Dichloroethene	**<15.3**	ug/kg	71.6	15.3	1	06/17/21 08:15	06/18/21 12:22	156-59-2	M1
trans-1,2-Dichloroethene	**<15.5**	ug/kg	71.6	15.5	1	06/17/21 08:15	06/18/21 12:22	156-60-5	L1
1,2-Dichloropropane	**<17.0**	ug/kg	71.6	17.0	1	06/17/21 08:15	06/18/21 12:22	78-87-5	
1,3-Dichloropropane	**<15.6**	ug/kg	71.6	15.6	1	06/17/21 08:15	06/18/21 12:22	142-28-9	
2,2-Dichloropropane	**<19.3**	ug/kg	71.6	19.3	1	06/17/21 08:15	06/18/21 12:22	594-20-7	
1,1-Dichloropropene	**<23.2**	ug/kg	71.6	23.2	1	06/17/21 08:15	06/18/21 12:22	563-58-6	
cis-1,3-Dichloropropene	**<47.3**	ug/kg	358	47.3	1	06/17/21 08:15	06/18/21 12:22	10061-01-5	
trans-1,3-Dichloropropene	**<205**	ug/kg	358	205	1	06/17/21 08:15	06/18/21 12:22	10061-02-6	
Diisopropyl ether	**<17.8**	ug/kg	71.6	17.8	1	06/17/21 08:15	06/18/21 12:22	108-20-3	
Ethylbenzene	**<17.0**	ug/kg	71.6	17.0	1	06/17/21 08:15	06/18/21 12:22	100-41-4	
Hexachloro-1,3-butadiene	**<142**	ug/kg	358	142	1	06/17/21 08:15	06/18/21 12:22	87-68-3	
Isopropylbenzene (Cumene)	**<19.3**	ug/kg	71.6	19.3	1	06/17/21 08:15	06/18/21 12:22	98-82-8	
p-Isopropyltoluene	**<21.8**	ug/kg	71.6	21.8	1	06/17/21 08:15	06/18/21 12:22	99-87-6	
Methylene Chloride	**<19.9**	ug/kg	71.6	19.9	1	06/17/21 08:15	06/18/21 12:22	75-09-2	
Methyl-tert-butyl ether	**<21.0**	ug/kg	71.6	21.0	1	06/17/21 08:15	06/18/21 12:22	1634-04-4	
Naphthalene	**<22.3**	ug/kg	358	22.3	1	06/17/21 08:15	06/18/21 12:22	91-20-3	
n-Propylbenzene	**<17.2**	ug/kg	71.6	17.2	1	06/17/21 08:15	06/18/21 12:22	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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Sample: MW-7R (3') **Lab ID: 40228455003** Collected: 06/15/21 13:20 Received: 06/15/21 14:28 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	71.6	18.3	1	06/17/21 08:15	06/18/21 12:22	100-42-5	
1,1,1,2-Tetrachloroethane	**<17.2**	ug/kg	71.6	17.2	1	06/17/21 08:15	06/18/21 12:22	630-20-6	
1,1,2,2-Tetrachloroethane	**<25.9**	ug/kg	71.6	25.9	1	06/17/21 08:15	06/18/21 12:22	79-34-5	
Tetrachloroethene	**<27.8**	ug/kg	71.6	27.8	1	06/17/21 08:15	06/18/21 12:22	127-18-4	
Toluene	**<18.0**	ug/kg	71.6	18.0	1	06/17/21 08:15	06/18/21 12:22	108-88-3	
1,2,3-Trichlorobenzene	**<79.8**	ug/kg	358	79.8	1	06/17/21 08:15	06/18/21 12:22	87-61-6	
1,2,4-Trichlorobenzene	**<59.0**	ug/kg	358	59.0	1	06/17/21 08:15	06/18/21 12:22	120-82-1	
1,1,1-Trichloroethane	**<18.3**	ug/kg	71.6	18.3	1	06/17/21 08:15	06/18/21 12:22	71-55-6	
1,1,2-Trichloroethane	**<26.1**	ug/kg	71.6	26.1	1	06/17/21 08:15	06/18/21 12:22	79-00-5	
Trichloroethene	**<26.8**	ug/kg	71.6	26.8	1	06/17/21 08:15	06/18/21 12:22	79-01-6	
Trichlorofluoromethane	**<20.8**	ug/kg	71.6	20.8	1	06/17/21 08:15	06/18/21 12:22	75-69-4	
1,2,3-Trichloropropane	**<34.8**	ug/kg	71.6	34.8	1	06/17/21 08:15	06/18/21 12:22	96-18-4	
1,2,4-Trimethylbenzene	**<21.3**	ug/kg	71.6	21.3	1	06/17/21 08:15	06/18/21 12:22	95-63-6	
1,3,5-Trimethylbenzene	**<23.1**	ug/kg	71.6	23.1	1	06/17/21 08:15	06/18/21 12:22	108-67-8	
Vinyl chloride	**<14.5**	ug/kg	71.6	14.5	1	06/17/21 08:15	06/18/21 12:22	75-01-4	
m&p-Xylene	**<30.2**	ug/kg	143	30.2	1	06/17/21 08:15	06/18/21 12:22	179601-23-1	
o-Xylene	**<21.5**	ug/kg	71.6	21.5	1	06/17/21 08:15	06/18/21 12:22	95-47-6	
Surrogates									
Toluene-d8 (S)	76	%	67-159		1	06/17/21 08:15	06/18/21 12:22	2037-26-5	
4-Bromofluorobenzene (S)	87	%	66-153		1	06/17/21 08:15	06/18/21 12:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	75	%	82-158		1	06/17/21 08:15	06/18/21 12:22	2199-69-1	1q
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**17.8**	%	0.10	0.10	1		06/16/21 16:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Sample: MW-7R (8') **Lab ID: 40228455004** Collected: 06/15/21 13:21 Received: 06/15/21 14:28 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	**<16.6**	ug/kg	27.8	16.6	1	06/17/21 08:15	06/18/21 16:55	71-43-2	
Bromobenzene	**<27.1**	ug/kg	69.6	27.1	1	06/17/21 08:15	06/18/21 16:55	108-86-1	
Bromochloromethane	**<19.1**	ug/kg	69.6	19.1	1	06/17/21 08:15	06/18/21 16:55	74-97-5	
Bromodichloromethane	**<16.6**	ug/kg	69.6	16.6	1	06/17/21 08:15	06/18/21 16:55	75-27-4	
Bromoform	**<306**	ug/kg	348	306	1	06/17/21 08:15	06/18/21 16:55	75-25-2	
Bromomethane	**<97.5**	ug/kg	348	97.5	1	06/17/21 08:15	06/18/21 16:55	74-83-9	
n-Butylbenzene	**<31.9**	ug/kg	69.6	31.9	1	06/17/21 08:15	06/18/21 16:55	104-51-8	
sec-Butylbenzene	**<17.0**	ug/kg	69.6	17.0	1	06/17/21 08:15	06/18/21 16:55	135-98-8	
tert-Butylbenzene	**<21.8**	ug/kg	69.6	21.8	1	06/17/21 08:15	06/18/21 16:55	98-06-6	
Carbon tetrachloride	**<15.3**	ug/kg	69.6	15.3	1	06/17/21 08:15	06/18/21 16:55	56-23-5	
Chlorobenzene	**<8.3**	ug/kg	69.6	8.3	1	06/17/21 08:15	06/18/21 16:55	108-90-7	
Chloroethane	**<29.4**	ug/kg	348	29.4	1	06/17/21 08:15	06/18/21 16:55	75-00-3	
Chloroform	**<49.8**	ug/kg	348	49.8	1	06/17/21 08:15	06/18/21 16:55	67-66-3	
Chloromethane	**<26.4**	ug/kg	69.6	26.4	1	06/17/21 08:15	06/18/21 16:55	74-87-3	
2-Chlorotoluene	**<22.5**	ug/kg	69.6	22.5	1	06/17/21 08:15	06/18/21 16:55	95-49-8	
4-Chlorotoluene	**<26.4**	ug/kg	69.6	26.4	1	06/17/21 08:15	06/18/21 16:55	106-43-4	
1,2-Dibromo-3-chloropropane	**<54.0**	ug/kg	348	54.0	1	06/17/21 08:15	06/18/21 16:55	96-12-8	
Dibromochloromethane	**<238**	ug/kg	348	238	1	06/17/21 08:15	06/18/21 16:55	124-48-1	
1,2-Dibromoethane (EDB)	**<19.1**	ug/kg	69.6	19.1	1	06/17/21 08:15	06/18/21 16:55	106-93-4	
Dibromomethane	**<20.6**	ug/kg	69.6	20.6	1	06/17/21 08:15	06/18/21 16:55	74-95-3	
1,2-Dichlorobenzene	**<21.6**	ug/kg	69.6	21.6	1	06/17/21 08:15	06/18/21 16:55	95-50-1	
1,3-Dichlorobenzene	**<19.1**	ug/kg	69.6	19.1	1	06/17/21 08:15	06/18/21 16:55	541-73-1	
1,4-Dichlorobenzene	**<19.1**	ug/kg	69.6	19.1	1	06/17/21 08:15	06/18/21 16:55	106-46-7	
Dichlorodifluoromethane	**<29.9**	ug/kg	69.6	29.9	1	06/17/21 08:15	06/18/21 16:55	75-71-8	
1,1-Dichloroethane	**<17.8**	ug/kg	69.6	17.8	1	06/17/21 08:15	06/18/21 16:55	75-34-3	
1,2-Dichloroethane	**<16.0**	ug/kg	69.6	16.0	1	06/17/21 08:15	06/18/21 16:55	107-06-2	
1,1-Dichloroethene	**<23.1**	ug/kg	69.6	23.1	1	06/17/21 08:15	06/18/21 16:55	75-35-4	
cis-1,2-Dichloroethene	**<14.9**	ug/kg	69.6	14.9	1	06/17/21 08:15	06/18/21 16:55	156-59-2	
trans-1,2-Dichloroethene	**<15.0**	ug/kg	69.6	15.0	1	06/17/21 08:15	06/18/21 16:55	156-60-5	L1
1,2-Dichloropropane	**<16.6**	ug/kg	69.6	16.6	1	06/17/21 08:15	06/18/21 16:55	78-87-5	
1,3-Dichloropropane	**<15.2**	ug/kg	69.6	15.2	1	06/17/21 08:15	06/18/21 16:55	142-28-9	
2,2-Dichloropropane	**<18.8**	ug/kg	69.6	18.8	1	06/17/21 08:15	06/18/21 16:55	594-20-7	
1,1-Dichloropropene	**<22.5**	ug/kg	69.6	22.5	1	06/17/21 08:15	06/18/21 16:55	563-58-6	
cis-1,3-Dichloropropene	**<45.9**	ug/kg	348	45.9	1	06/17/21 08:15	06/18/21 16:55	10061-01-5	
trans-1,3-Dichloropropene	**<199**	ug/kg	348	199	1	06/17/21 08:15	06/18/21 16:55	10061-02-6	
Diisopropyl ether	**<17.2**	ug/kg	69.6	17.2	1	06/17/21 08:15	06/18/21 16:55	108-20-3	
Ethylbenzene	**<16.6**	ug/kg	69.6	16.6	1	06/17/21 08:15	06/18/21 16:55	100-41-4	
Hexachloro-1,3-butadiene	**<138**	ug/kg	348	138	1	06/17/21 08:15	06/18/21 16:55	87-68-3	
Isopropylbenzene (Cumene)	**<18.8**	ug/kg	69.6	18.8	1	06/17/21 08:15	06/18/21 16:55	98-82-8	
p-Isopropyltoluene	**<21.1**	ug/kg	69.6	21.1	1	06/17/21 08:15	06/18/21 16:55	99-87-6	
Methylene Chloride	**<19.3**	ug/kg	69.6	19.3	1	06/17/21 08:15	06/18/21 16:55	75-09-2	
Methyl-tert-butyl ether	**<20.4**	ug/kg	69.6	20.4	1	06/17/21 08:15	06/18/21 16:55	1634-04-4	
Naphthalene	**<21.7**	ug/kg	348	21.7	1	06/17/21 08:15	06/18/21 16:55	91-20-3	
n-Propylbenzene	**<16.7**	ug/kg	69.6	16.7	1	06/17/21 08:15	06/18/21 16:55	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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Sample: MW-7R (8') **Lab ID: 40228455004** Collected: 06/15/21 13:21 Received: 06/15/21 14:28 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	**<17.8**	ug/kg	69.6	17.8	1	06/17/21 08:15	06/18/21 16:55	100-42-5	
1,1,1,2-Tetrachloroethane	**<16.7**	ug/kg	69.6	16.7	1	06/17/21 08:15	06/18/21 16:55	630-20-6	
1,1,2,2-Tetrachloroethane	**<25.2**	ug/kg	69.6	25.2	1	06/17/21 08:15	06/18/21 16:55	79-34-5	
Tetrachloroethene	**<27.0**	ug/kg	69.6	27.0	1	06/17/21 08:15	06/18/21 16:55	127-18-4	
Toluene	**<17.5**	ug/kg	69.6	17.5	1	06/17/21 08:15	06/18/21 16:55	108-88-3	
1,2,3-Trichlorobenzene	**<77.5**	ug/kg	348	77.5	1	06/17/21 08:15	06/18/21 16:55	87-61-6	
1,2,4-Trichlorobenzene	**<57.3**	ug/kg	348	57.3	1	06/17/21 08:15	06/18/21 16:55	120-82-1	
1,1,1-Trichloroethane	**<17.8**	ug/kg	69.6	17.8	1	06/17/21 08:15	06/18/21 16:55	71-55-6	
1,1,2-Trichloroethane	**<25.3**	ug/kg	69.6	25.3	1	06/17/21 08:15	06/18/21 16:55	79-00-5	
Trichloroethene	**<26.0**	ug/kg	69.6	26.0	1	06/17/21 08:15	06/18/21 16:55	79-01-6	
Trichlorofluoromethane	**<20.2**	ug/kg	69.6	20.2	1	06/17/21 08:15	06/18/21 16:55	75-69-4	
1,2,3-Trichloropropane	**<33.8**	ug/kg	69.6	33.8	1	06/17/21 08:15	06/18/21 16:55	96-18-4	
1,2,4-Trimethylbenzene	**<20.7**	ug/kg	69.6	20.7	1	06/17/21 08:15	06/18/21 16:55	95-63-6	
1,3,5-Trimethylbenzene	**<22.4**	ug/kg	69.6	22.4	1	06/17/21 08:15	06/18/21 16:55	108-67-8	
Vinyl chloride	**<14.0**	ug/kg	69.6	14.0	1	06/17/21 08:15	06/18/21 16:55	75-01-4	
m&p-Xylene	**<29.4**	ug/kg	139	29.4	1	06/17/21 08:15	06/18/21 16:55	179601-23-1	
o-Xylene	**<20.9**	ug/kg	69.6	20.9	1	06/17/21 08:15	06/18/21 16:55	95-47-6	
Surrogates									
Toluene-d8 (S)	114	%	67-159		1	06/17/21 08:15	06/18/21 16:55	2037-26-5	
4-Bromofluorobenzene (S)	122	%	66-153		1	06/17/21 08:15	06/18/21 16:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	82-158		1	06/17/21 08:15	06/18/21 16:55	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.4**	%	0.10	0.10	1		06/16/21 16:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Sample: TRIP BLANK **Lab ID: 40228455005** Collected: 06/15/21 00:00 Received: 06/15/21 14:28 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	06/17/21 08:15	06/18/21 09:06	71-43-2	
Bromobenzene	**<19.5**	ug/kg	50.0	19.5	1	06/17/21 08:15	06/18/21 09:06	108-86-1	
Bromochloromethane	**<13.7**	ug/kg	50.0	13.7	1	06/17/21 08:15	06/18/21 09:06	74-97-5	
Bromodichloromethane	**<11.9**	ug/kg	50.0	11.9	1	06/17/21 08:15	06/18/21 09:06	75-27-4	
Bromoform	**<220**	ug/kg	250	220	1	06/17/21 08:15	06/18/21 09:06	75-25-2	
Bromomethane	**<70.1**	ug/kg	250	70.1	1	06/17/21 08:15	06/18/21 09:06	74-83-9	
n-Butylbenzene	**<22.9**	ug/kg	50.0	22.9	1	06/17/21 08:15	06/18/21 09:06	104-51-8	
sec-Butylbenzene	**<12.2**	ug/kg	50.0	12.2	1	06/17/21 08:15	06/18/21 09:06	135-98-8	
tert-Butylbenzene	**<15.7**	ug/kg	50.0	15.7	1	06/17/21 08:15	06/18/21 09:06	98-06-6	
Carbon tetrachloride	**<11.0**	ug/kg	50.0	11.0	1	06/17/21 08:15	06/18/21 09:06	56-23-5	
Chlorobenzene	**<6.0**	ug/kg	50.0	6.0	1	06/17/21 08:15	06/18/21 09:06	108-90-7	
Chloroethane	**<21.1**	ug/kg	250	21.1	1	06/17/21 08:15	06/18/21 09:06	75-00-3	
Chloroform	**<35.8**	ug/kg	250	35.8	1	06/17/21 08:15	06/18/21 09:06	67-66-3	
Chloromethane	**<19.0**	ug/kg	50.0	19.0	1	06/17/21 08:15	06/18/21 09:06	74-87-3	
2-Chlorotoluene	**<16.2**	ug/kg	50.0	16.2	1	06/17/21 08:15	06/18/21 09:06	95-49-8	
4-Chlorotoluene	**<19.0**	ug/kg	50.0	19.0	1	06/17/21 08:15	06/18/21 09:06	106-43-4	
1,2-Dibromo-3-chloropropane	**<38.8**	ug/kg	250	38.8	1	06/17/21 08:15	06/18/21 09:06	96-12-8	
Dibromochloromethane	**<171**	ug/kg	250	171	1	06/17/21 08:15	06/18/21 09:06	124-48-1	
1,2-Dibromoethane (EDB)	**<13.7**	ug/kg	50.0	13.7	1	06/17/21 08:15	06/18/21 09:06	106-93-4	
Dibromomethane	**<14.8**	ug/kg	50.0	14.8	1	06/17/21 08:15	06/18/21 09:06	74-95-3	
1,2-Dichlorobenzene	**<15.5**	ug/kg	50.0	15.5	1	06/17/21 08:15	06/18/21 09:06	95-50-1	
1,3-Dichlorobenzene	**<13.7**	ug/kg	50.0	13.7	1	06/17/21 08:15	06/18/21 09:06	541-73-1	
1,4-Dichlorobenzene	**<13.7**	ug/kg	50.0	13.7	1	06/17/21 08:15	06/18/21 09:06	106-46-7	
Dichlorodifluoromethane	**<21.5**	ug/kg	50.0	21.5	1	06/17/21 08:15	06/18/21 09:06	75-71-8	
1,1-Dichloroethane	**<12.8**	ug/kg	50.0	12.8	1	06/17/21 08:15	06/18/21 09:06	75-34-3	
1,2-Dichloroethane	**<11.5**	ug/kg	50.0	11.5	1	06/17/21 08:15	06/18/21 09:06	107-06-2	
1,1-Dichloroethene	**<16.6**	ug/kg	50.0	16.6	1	06/17/21 08:15	06/18/21 09:06	75-35-4	
cis-1,2-Dichloroethene	**<10.7**	ug/kg	50.0	10.7	1	06/17/21 08:15	06/18/21 09:06	156-59-2	
trans-1,2-Dichloroethene	**<10.8**	ug/kg	50.0	10.8	1	06/17/21 08:15	06/18/21 09:06	156-60-5	L1
1,2-Dichloropropane	**<11.9**	ug/kg	50.0	11.9	1	06/17/21 08:15	06/18/21 09:06	78-87-5	
1,3-Dichloropropane	**<10.9**	ug/kg	50.0	10.9	1	06/17/21 08:15	06/18/21 09:06	142-28-9	
2,2-Dichloropropane	**<13.5**	ug/kg	50.0	13.5	1	06/17/21 08:15	06/18/21 09:06	594-20-7	
1,1-Dichloropropene	**<16.2**	ug/kg	50.0	16.2	1	06/17/21 08:15	06/18/21 09:06	563-58-6	
cis-1,3-Dichloropropene	**<33.0**	ug/kg	250	33.0	1	06/17/21 08:15	06/18/21 09:06	10061-01-5	
trans-1,3-Dichloropropene	**<143**	ug/kg	250	143	1	06/17/21 08:15	06/18/21 09:06	10061-02-6	
Diisopropyl ether	**<12.4**	ug/kg	50.0	12.4	1	06/17/21 08:15	06/18/21 09:06	108-20-3	
Ethylbenzene	**<11.9**	ug/kg	50.0	11.9	1	06/17/21 08:15	06/18/21 09:06	100-41-4	
Hexachloro-1,3-butadiene	**<99.4**	ug/kg	250	99.4	1	06/17/21 08:15	06/18/21 09:06	87-68-3	
Isopropylbenzene (Cumene)	**<13.5**	ug/kg	50.0	13.5	1	06/17/21 08:15	06/18/21 09:06	98-82-8	
p-Isopropyltoluene	**<15.2**	ug/kg	50.0	15.2	1	06/17/21 08:15	06/18/21 09:06	99-87-6	
Methylene Chloride	**<13.9**	ug/kg	50.0	13.9	1	06/17/21 08:15	06/18/21 09:06	75-09-2	
Methyl-tert-butyl ether	**<14.7**	ug/kg	50.0	14.7	1	06/17/21 08:15	06/18/21 09:06	1634-04-4	
Naphthalene	**<15.6**	ug/kg	250	15.6	1	06/17/21 08:15	06/18/21 09:06	91-20-3	
n-Propylbenzene	**<12.0**	ug/kg	50.0	12.0	1	06/17/21 08:15	06/18/21 09:06	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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Sample: TRIP BLANK **Lab ID: 40228455005** Collected: 06/15/21 00:00 Received: 06/15/21 14:28 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	06/17/21 08:15	06/18/21 09:06	100-42-5	
1,1,1,2-Tetrachloroethane	**<12.0**	ug/kg	50.0	12.0	1	06/17/21 08:15	06/18/21 09:06	630-20-6	
1,1,2,2-Tetrachloroethane	**<18.1**	ug/kg	50.0	18.1	1	06/17/21 08:15	06/18/21 09:06	79-34-5	
Tetrachloroethene	**<19.4**	ug/kg	50.0	19.4	1	06/17/21 08:15	06/18/21 09:06	127-18-4	
Toluene	**<12.6**	ug/kg	50.0	12.6	1	06/17/21 08:15	06/18/21 09:06	108-88-3	
1,2,3-Trichlorobenzene	**<55.7**	ug/kg	250	55.7	1	06/17/21 08:15	06/18/21 09:06	87-61-6	
1,2,4-Trichlorobenzene	**<41.2**	ug/kg	250	41.2	1	06/17/21 08:15	06/18/21 09:06	120-82-1	
1,1,1-Trichloroethane	**<12.8**	ug/kg	50.0	12.8	1	06/17/21 08:15	06/18/21 09:06	71-55-6	
1,1,2-Trichloroethane	**<18.2**	ug/kg	50.0	18.2	1	06/17/21 08:15	06/18/21 09:06	79-00-5	
Trichloroethene	**<18.7**	ug/kg	50.0	18.7	1	06/17/21 08:15	06/18/21 09:06	79-01-6	
Trichlorofluoromethane	**<14.5**	ug/kg	50.0	14.5	1	06/17/21 08:15	06/18/21 09:06	75-69-4	
1,2,3-Trichloropropane	**<24.3**	ug/kg	50.0	24.3	1	06/17/21 08:15	06/18/21 09:06	96-18-4	
1,2,4-Trimethylbenzene	**<14.9**	ug/kg	50.0	14.9	1	06/17/21 08:15	06/18/21 09:06	95-63-6	
1,3,5-Trimethylbenzene	**<16.1**	ug/kg	50.0	16.1	1	06/17/21 08:15	06/18/21 09:06	108-67-8	
Vinyl chloride	**<10.1**	ug/kg	50.0	10.1	1	06/17/21 08:15	06/18/21 09:06	75-01-4	
m&p-Xylene	**<21.1**	ug/kg	100	21.1	1	06/17/21 08:15	06/18/21 09:06	179601-23-1	
o-Xylene	**<15.0**	ug/kg	50.0	15.0	1	06/17/21 08:15	06/18/21 09:06	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	67-159		1	06/17/21 08:15	06/18/21 09:06	2037-26-5	
4-Bromofluorobenzene (S)	107	%	66-153		1	06/17/21 08:15	06/18/21 09:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	82-158		1	06/17/21 08:15	06/18/21 09:06	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

QC Batch: 388201
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: 40228455001, 40228455002

METHOD BLANK: 2239297 Matrix: Solid
Associated Lab Samples: 40228455001, 40228455002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	06/17/21 10:29	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	06/17/21 10:29	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	06/17/21 10:29	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	06/17/21 10:29	
1,1-Dichloroethane	ug/kg	<12.8	50.0	06/17/21 10:29	
1,1-Dichloroethene	ug/kg	<16.6	50.0	06/17/21 10:29	
1,1-Dichloropropene	ug/kg	<16.2	50.0	06/17/21 10:29	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	06/17/21 10:29	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	06/17/21 10:29	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	06/17/21 10:29	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	06/17/21 10:29	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	06/17/21 10:29	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	06/17/21 10:29	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	06/17/21 10:29	
1,2-Dichloroethane	ug/kg	<11.5	50.0	06/17/21 10:29	
1,2-Dichloropropane	ug/kg	<11.9	50.0	06/17/21 10:29	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	06/17/21 10:29	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	06/17/21 10:29	
1,3-Dichloropropane	ug/kg	<10.9	50.0	06/17/21 10:29	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	06/17/21 10:29	
2,2-Dichloropropane	ug/kg	<13.5	50.0	06/17/21 10:29	
2-Chlorotoluene	ug/kg	<16.2	50.0	06/17/21 10:29	
4-Chlorotoluene	ug/kg	<19.0	50.0	06/17/21 10:29	
Benzene	ug/kg	<11.9	20.0	06/17/21 10:29	
Bromobenzene	ug/kg	<19.5	50.0	06/17/21 10:29	
Bromochloromethane	ug/kg	<13.7	50.0	06/17/21 10:29	
Bromodichloromethane	ug/kg	<11.9	50.0	06/17/21 10:29	
Bromoform	ug/kg	<220	250	06/17/21 10:29	
Bromomethane	ug/kg	<70.1	250	06/17/21 10:29	
Carbon tetrachloride	ug/kg	<11.0	50.0	06/17/21 10:29	
Chlorobenzene	ug/kg	<6.0	50.0	06/17/21 10:29	
Chloroethane	ug/kg	<21.1	250	06/17/21 10:29	
Chloroform	ug/kg	<35.8	250	06/17/21 10:29	
Chloromethane	ug/kg	<19.0	50.0	06/17/21 10:29	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	06/17/21 10:29	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	06/17/21 10:29	
Dibromochloromethane	ug/kg	<171	250	06/17/21 10:29	
Dibromomethane	ug/kg	<14.8	50.0	06/17/21 10:29	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	06/17/21 10:29	
Diisopropyl ether	ug/kg	<12.4	50.0	06/17/21 10:29	

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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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

METHOD BLANK: 2239297 Matrix: Solid
Associated Lab Samples: 40228455001, 40228455002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	06/17/21 10:29	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	06/17/21 10:29	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	06/17/21 10:29	
m&p-Xylene	ug/kg	<21.1	100	06/17/21 10:29	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	06/17/21 10:29	
Methylene Chloride	ug/kg	30.5J	50.0	06/17/21 10:29	
n-Butylbenzene	ug/kg	<22.9	50.0	06/17/21 10:29	
n-Propylbenzene	ug/kg	<12.0	50.0	06/17/21 10:29	
Naphthalene	ug/kg	<15.6	250	06/17/21 10:29	
o-Xylene	ug/kg	<15.0	50.0	06/17/21 10:29	
p-Isopropyltoluene	ug/kg	<15.2	50.0	06/17/21 10:29	
sec-Butylbenzene	ug/kg	<12.2	50.0	06/17/21 10:29	
Styrene	ug/kg	<12.8	50.0	06/17/21 10:29	
tert-Butylbenzene	ug/kg	<15.7	50.0	06/17/21 10:29	
Tetrachloroethene	ug/kg	<19.4	50.0	06/17/21 10:29	
Toluene	ug/kg	<12.6	50.0	06/17/21 10:29	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	06/17/21 10:29	
trans-1,3-Dichloropropene	ug/kg	<143	250	06/17/21 10:29	
Trichloroethene	ug/kg	<18.7	50.0	06/17/21 10:29	
Trichlorofluoromethane	ug/kg	<14.5	50.0	06/17/21 10:29	
Vinyl chloride	ug/kg	<10.1	50.0	06/17/21 10:29	
1,2-Dichlorobenzene-d4 (S)	%	84	82-158	06/17/21 10:29	
4-Bromofluorobenzene (S)	%	95	66-153	06/17/21 10:29	
Toluene-d8 (S)	%	91	67-159	06/17/21 10:29	

LABORATORY CONTROL SAMPLE: 2239298

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2750	110	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2170	87	65-129	
1,1,2-Trichloroethane	ug/kg	2500	2240	90	70-130	
1,1-Dichloroethane	ug/kg	2500	3000	120	70-130	
1,1-Dichloroethene	ug/kg	2500	2860	114	67-120	
1,2,4-Trichlorobenzene	ug/kg	2500	1840	74	64-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1850	74	57-119	
1,2-Dibromoethane (EDB)	ug/kg	2500	2410	96	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2360	94	70-130	
1,2-Dichloroethane	ug/kg	2500	2790	112	70-130	
1,2-Dichloropropane	ug/kg	2500	2730	109	72-118	
1,3-Dichlorobenzene	ug/kg	2500	2440	97	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2380	95	70-130	
Benzene	ug/kg	2500	2600	104	70-130	
Bromodichloromethane	ug/kg	2500	2680	107	70-130	
Bromoform	ug/kg	2500	2020	81	66-130	

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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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

LABORATORY CONTROL SAMPLE: 2239298

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	2500	2660	106	13-153	
Carbon tetrachloride	ug/kg	2500	2850	114	73-134	
Chlorobenzene	ug/kg	2500	2530	101	70-130	
Chloroethane	ug/kg	2500	2800	112	19-170	
Chloroform	ug/kg	2500	2950	118	79-120	
Chloromethane	ug/kg	2500	2150	86	45-117	
cis-1,2-Dichloroethene	ug/kg	2500	3130	125	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2680	107	68-130	
Dibromochloromethane	ug/kg	2500	2620	105	70-130	
Dichlorodifluoromethane	ug/kg	2500	1870	75	15-135	
Ethylbenzene	ug/kg	2500	2520	101	78-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2540	102	70-130	
m&p-Xylene	ug/kg	5000	4980	100	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2630	105	65-130	
Methylene Chloride	ug/kg	2500	2270	91	70-130	
o-Xylene	ug/kg	2500	2520	101	70-130	
Styrene	ug/kg	2500	2690	108	70-130	
Tetrachloroethene	ug/kg	2500	2580	103	70-130	
Toluene	ug/kg	2500	2500	100	76-120	
trans-1,2-Dichloroethene	ug/kg	2500	3120	125	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2490	99	70-130	
Trichloroethene	ug/kg	2500	2600	104	70-130	
Trichlorofluoromethane	ug/kg	2500	2460	98	49-153	
Vinyl chloride	ug/kg	2500	2250	90	58-121	
1,2-Dichlorobenzene-d4 (S)	%			96	82-158	
4-Bromofluorobenzene (S)	%			115	66-153	
Toluene-d8 (S)	%			103	67-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2239299 2239300

Parameter	Units	40228455001 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	<19.7	1540	1540	1480	1610	96	104	70-130	8	20	
1,1,2,2-Tetrachloroethane	ug/kg	<27.9	1540	1540	1410	1380	92	90	65-129	2	20	
1,1,2-Trichloroethane	ug/kg	<28.1	1540	1540	1530	1550	99	100	70-130	1	20	
1,1-Dichloroethane	ug/kg	<19.7	1540	1540	1760	1810	114	117	70-130	3	20	
1,1-Dichloroethene	ug/kg	<25.6	1540	1540	1470	1460	95	94	64-120	1	20	
1,2,4-Trichlorobenzene	ug/kg	<63.5	1540	1540	1310	1270	85	83	64-130	3	20	
1,2-Dibromo-3-chloropropane	ug/kg	<59.8	1540	1540	1170	1240	76	80	57-130	6	21	
1,2-Dibromoethane (EDB)	ug/kg	<21.1	1540	1540	1610	1580	105	102	70-130	2	20	
1,2-Dichlorobenzene	ug/kg	<23.9	1540	1540	1620	1580	105	102	70-130	2	20	
1,2-Dichloroethane	ug/kg	<17.7	1540	1540	1710	1730	111	112	70-130	1	20	
1,2-Dichloropropane	ug/kg	<18.3	1540	1540	1710	1720	111	112	72-122	1	20	
1,3-Dichlorobenzene	ug/kg	<21.1	1540	1540	1660	1630	108	106	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2239299 2239300

Parameter	Units	40228455001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/kg	<21.1	1540	1540	1670	1580	108	102	70-130	6	20	
Benzene	ug/kg	<18.3	1540	1540	1560	1540	101	100	70-130	1	20	
Bromodichloromethane	ug/kg	<18.3	1540	1540	1620	1620	105	105	70-130	0	20	
Bromoform	ug/kg	<339	1540	1540	1380	1460	90	95	66-130	5	20	
Bromomethane	ug/kg	<108	1540	1540	1560	1600	101	104	13-153	3	20	
Carbon tetrachloride	ug/kg	<17.0	1540	1540	1500	1540	97	100	67-134	2	20	
Chlorobenzene	ug/kg	<9.2	1540	1540	1660	1600	107	104	70-130	3	20	
Chloroethane	ug/kg	<32.5	1540	1540	1650	1710	107	111	11-195	3	20	
Chloroform	ug/kg	<55.2	1540	1540	1850	1840	120	120	79-120	0	20	
Chloromethane	ug/kg	<29.3	1540	1540	1110	1240	72	80	30-136	11	20	
cis-1,2-Dichloroethene	ug/kg	<16.5	1540	1540	1880	1980	122	129	70-130	5	20	
cis-1,3-Dichloropropene	ug/kg	<50.9	1540	1540	1680	1610	109	104	68-130	5	20	
Dibromochloromethane	ug/kg	<263	1540	1540	1690	1660	109	108	70-130	2	20	
Dichlorodifluoromethane	ug/kg	<33.1	1540	1540	889	999	58	65	10-158	12	25	
Ethylbenzene	ug/kg	<18.3	1540	1540	1570	1640	102	107	78-120	4	20	
Isopropylbenzene (Cumene)	ug/kg	<20.8	1540	1540	1620	1680	105	109	70-130	4	20	
m&p-Xylene	ug/kg	<32.5	3090	3090	3200	3380	104	110	70-130	6	20	
Methyl-tert-butyl ether	ug/kg	<22.7	1540	1540	1640	1600	107	104	65-130	3	20	
Methylene Chloride	ug/kg	38.4J	1540	1540	1420	1450	90	91	70-130	1	20	
o-Xylene	ug/kg	<23.1	1540	1540	1750	1760	114	114	70-130	1	20	
Styrene	ug/kg	<19.7	1540	1540	1780	1800	115	117	70-130	1	20	
Tetrachloroethene	ug/kg	<29.9	1540	1540	1530	1580	99	102	70-130	3	20	
Toluene	ug/kg	<19.4	1540	1540	1530	1520	99	98	76-120	1	20	
trans-1,2-Dichloroethene	ug/kg	<16.7	1540	1540	1780	1820	115	118	70-130	2	20	
trans-1,3-Dichloropropene	ug/kg	<220	1540	1540	1570	1510	102	98	70-130	4	20	
Trichloroethene	ug/kg	<28.8	1540	1540	1520	1530	99	99	70-130	1	20	
Trichlorofluoromethane	ug/kg	<22.4	1540	1540	1170	1310	76	85	42-159	11	21	
Vinyl chloride	ug/kg	<15.6	1540	1540	1170	1150	76	75	43-137	1	20	
1,2-Dichlorobenzene-d4 (S)	%						40	38	82-158			3q
4-Bromofluorobenzene (S)	%						42	45	66-153			2q,3q
Toluene-d8 (S)	%						38	38	67-159			2q,3q

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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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

QC Batch: 388230
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: 40228455003, 40228455004, 40228455005

METHOD BLANK: 2239470 Matrix: Solid
Associated Lab Samples: 40228455003, 40228455004, 40228455005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	06/17/21 18:49	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	06/17/21 18:49	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	06/17/21 18:49	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	06/17/21 18:49	
1,1-Dichloroethane	ug/kg	<12.8	50.0	06/17/21 18:49	
1,1-Dichloroethene	ug/kg	<16.6	50.0	06/17/21 18:49	
1,1-Dichloropropene	ug/kg	<16.2	50.0	06/17/21 18:49	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	06/17/21 18:49	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	06/17/21 18:49	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	06/17/21 18:49	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	06/17/21 18:49	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	06/17/21 18:49	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	06/17/21 18:49	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	06/17/21 18:49	
1,2-Dichloroethane	ug/kg	<11.5	50.0	06/17/21 18:49	
1,2-Dichloropropane	ug/kg	<11.9	50.0	06/17/21 18:49	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	06/17/21 18:49	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	06/17/21 18:49	
1,3-Dichloropropane	ug/kg	<10.9	50.0	06/17/21 18:49	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	06/17/21 18:49	
2,2-Dichloropropane	ug/kg	<13.5	50.0	06/17/21 18:49	
2-Chlorotoluene	ug/kg	<16.2	50.0	06/17/21 18:49	
4-Chlorotoluene	ug/kg	<19.0	50.0	06/17/21 18:49	
Benzene	ug/kg	<11.9	20.0	06/17/21 18:49	
Bromobenzene	ug/kg	<19.5	50.0	06/17/21 18:49	
Bromochloromethane	ug/kg	<13.7	50.0	06/17/21 18:49	
Bromodichloromethane	ug/kg	<11.9	50.0	06/17/21 18:49	
Bromoform	ug/kg	<220	250	06/17/21 18:49	
Bromomethane	ug/kg	<70.1	250	06/17/21 18:49	
Carbon tetrachloride	ug/kg	<11.0	50.0	06/17/21 18:49	
Chlorobenzene	ug/kg	<6.0	50.0	06/17/21 18:49	
Chloroethane	ug/kg	<21.1	250	06/17/21 18:49	
Chloroform	ug/kg	<35.8	250	06/17/21 18:49	
Chloromethane	ug/kg	<19.0	50.0	06/17/21 18:49	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	06/17/21 18:49	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	06/17/21 18:49	
Dibromochloromethane	ug/kg	<171	250	06/17/21 18:49	
Dibromomethane	ug/kg	<14.8	50.0	06/17/21 18:49	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	06/17/21 18:49	
Diisopropyl ether	ug/kg	<12.4	50.0	06/17/21 18:49	

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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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

METHOD BLANK: 2239470 Matrix: Solid
Associated Lab Samples: 40228455003, 40228455004, 40228455005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	06/17/21 18:49	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	06/17/21 18:49	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	06/17/21 18:49	
m&p-Xylene	ug/kg	<21.1	100	06/17/21 18:49	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	06/17/21 18:49	
Methylene Chloride	ug/kg	<13.9	50.0	06/17/21 18:49	
n-Butylbenzene	ug/kg	<22.9	50.0	06/17/21 18:49	
n-Propylbenzene	ug/kg	<12.0	50.0	06/17/21 18:49	
Naphthalene	ug/kg	<15.6	250	06/17/21 18:49	
o-Xylene	ug/kg	<15.0	50.0	06/17/21 18:49	
p-Isopropyltoluene	ug/kg	<15.2	50.0	06/17/21 18:49	
sec-Butylbenzene	ug/kg	12.6J	50.0	06/17/21 18:49	
Styrene	ug/kg	<12.8	50.0	06/17/21 18:49	
tert-Butylbenzene	ug/kg	<15.7	50.0	06/17/21 18:49	
Tetrachloroethene	ug/kg	<19.4	50.0	06/17/21 18:49	
Toluene	ug/kg	<12.6	50.0	06/17/21 18:49	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	06/17/21 18:49	
trans-1,3-Dichloropropene	ug/kg	<143	250	06/17/21 18:49	
Trichloroethene	ug/kg	<18.7	50.0	06/17/21 18:49	
Trichlorofluoromethane	ug/kg	<14.5	50.0	06/17/21 18:49	
Vinyl chloride	ug/kg	<10.1	50.0	06/17/21 18:49	
1,2-Dichlorobenzene-d4 (S)	%	106	82-158	06/17/21 18:49	
4-Bromofluorobenzene (S)	%	114	66-153	06/17/21 18:49	
Toluene-d8 (S)	%	97	67-159	06/17/21 18:49	

LABORATORY CONTROL SAMPLE: 2239471

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2770	111	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2240	90	65-129	
1,1,2-Trichloroethane	ug/kg	2500	2380	95	70-130	
1,1-Dichloroethane	ug/kg	2500	3000	120	70-130	
1,1-Dichloroethene	ug/kg	2500	2970	119	67-120	
1,2,4-Trichlorobenzene	ug/kg	2500	1890	76	64-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2030	81	57-119	
1,2-Dibromoethane (EDB)	ug/kg	2500	2580	103	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2410	96	70-130	
1,2-Dichloroethane	ug/kg	2500	2870	115	70-130	
1,2-Dichloropropane	ug/kg	2500	2730	109	72-118	
1,3-Dichlorobenzene	ug/kg	2500	2530	101	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2370	95	70-130	
Benzene	ug/kg	2500	2650	106	70-130	
Bromodichloromethane	ug/kg	2500	2650	106	70-130	
Bromoform	ug/kg	2500	2090	83	66-130	

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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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

LABORATORY CONTROL SAMPLE: 2239471

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	2500	2980	119	13-153	
Carbon tetrachloride	ug/kg	2500	2880	115	73-134	
Chlorobenzene	ug/kg	2500	2530	101	70-130	
Chloroethane	ug/kg	2500	2870	115	19-170	
Chloroform	ug/kg	2500	2980	119	79-120	
Chloromethane	ug/kg	2500	2240	89	45-117	
cis-1,2-Dichloroethene	ug/kg	2500	3160	126	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2670	107	68-130	
Dibromochloromethane	ug/kg	2500	2670	107	70-130	
Dichlorodifluoromethane	ug/kg	2500	1830	73	15-135	
Ethylbenzene	ug/kg	2500	2560	102	78-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2570	103	70-130	
m&p-Xylene	ug/kg	5000	5170	103	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2640	106	65-130	
Methylene Chloride	ug/kg	2500	2370	95	70-130	
o-Xylene	ug/kg	2500	2670	107	70-130	
Styrene	ug/kg	2500	2800	112	70-130	
Tetrachloroethene	ug/kg	2500	2550	102	70-130	
Toluene	ug/kg	2500	2560	102	76-120	
trans-1,2-Dichloroethene	ug/kg	2500	3290	132	70-130	L1
trans-1,3-Dichloropropene	ug/kg	2500	2520	101	70-130	
Trichloroethene	ug/kg	2500	2650	106	70-130	
Trichlorofluoromethane	ug/kg	2500	2540	101	49-153	
Vinyl chloride	ug/kg	2500	2430	97	58-121	
1,2-Dichlorobenzene-d4 (S)	%			99	82-158	
4-Bromofluorobenzene (S)	%			115	66-153	
Toluene-d8 (S)	%			103	67-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2239472 2239473

Parameter	Units	40228455003 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	<18.3	1430	1430	1420	1420	99	99	70-130	0	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.9	1430	1430	1300	1210	91	84	65-129	7	20	
1,1,2-Trichloroethane	ug/kg	<26.1	1430	1430	1410	1350	98	94	70-130	4	20	
1,1-Dichloroethane	ug/kg	<18.3	1430	1430	1680	1680	117	118	70-130	0	20	
1,1-Dichloroethene	ug/kg	<23.8	1430	1430	1320	1340	92	93	64-120	1	20	
1,2,4-Trichlorobenzene	ug/kg	<59.0	1430	1430	1430	1410	100	99	64-130	1	20	
1,2-Dibromo-3-chloropropane	ug/kg	<55.6	1430	1430	1220	1190	85	83	57-130	3	21	
1,2-Dibromoethane (EDB)	ug/kg	<19.6	1430	1430	1390	1410	97	98	70-130	1	20	
1,2-Dichlorobenzene	ug/kg	<22.2	1430	1430	1560	1500	109	104	70-130	4	20	
1,2-Dichloroethane	ug/kg	<16.5	1430	1430	1630	1630	114	114	70-130	0	20	
1,2-Dichloropropane	ug/kg	<17.0	1430	1430	1640	1610	115	113	72-122	2	20	
1,3-Dichlorobenzene	ug/kg	<19.6	1430	1430	1590	1530	111	107	70-130	4	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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2239472 2239473

Parameter	Units	40228455003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/kg	<19.6	1430	1430	1530	1480	107	103	70-130	4	20	
Benzene	ug/kg	<17.0	1430	1430	1480	1420	103	99	70-130	4	20	
Bromodichloromethane	ug/kg	<17.0	1430	1430	1540	1500	108	104	70-130	3	20	
Bromoform	ug/kg	<315	1430	1430	1310	1240	91	86	66-130	6	20	
Bromomethane	ug/kg	<100	1430	1430	1470	1490	103	104	13-153	1	20	
Carbon tetrachloride	ug/kg	<15.8	1430	1430	1430	1440	100	100	67-134	1	20	
Chlorobenzene	ug/kg	<8.6	1430	1430	1490	1450	104	101	70-130	3	20	
Chloroethane	ug/kg	<30.2	1430	1430	2580	1520	180	106	11-195	52	20	R1
Chloroform	ug/kg	<51.3	1430	1430	1750	1750	122	122	79-120	0	20	M1
Chloromethane	ug/kg	<27.2	1430	1430	1080	1090	75	76	30-136	1	20	
cis-1,2-Dichloroethene	ug/kg	<15.3	1430	1430	1860	1880	130	131	70-130	1	20	M1
cis-1,3-Dichloropropene	ug/kg	<47.3	1430	1430	1450	1430	102	100	68-130	2	20	
Dibromochloromethane	ug/kg	<245	1430	1430	1500	1460	105	102	70-130	3	20	
Dichlorodifluoromethane	ug/kg	<30.8	1430	1430	806	779	56	54	10-158	3	25	
Ethylbenzene	ug/kg	<17.0	1430	1430	1490	1450	104	101	78-120	2	20	
Isopropylbenzene (Cumene)	ug/kg	<19.3	1430	1430	1520	1480	106	104	70-130	2	20	
m&p-Xylene	ug/kg	<30.2	2870	2870	3080	2970	107	104	70-130	4	20	
Methyl-tert-butyl ether	ug/kg	<21.0	1430	1430	1530	1490	107	104	65-130	3	20	
Methylene Chloride	ug/kg	<19.9	1430	1430	1430	1410	100	99	70-130	1	20	
o-Xylene	ug/kg	<21.5	1430	1430	1590	1570	111	110	70-130	1	20	
Styrene	ug/kg	<18.3	1430	1430	1630	1620	114	113	70-130	0	20	
Tetrachloroethene	ug/kg	<27.8	1430	1430	1410	1370	98	96	70-130	3	20	
Toluene	ug/kg	<18.0	1430	1430	1380	1400	96	98	76-120	2	20	
trans-1,2-Dichloroethene	ug/kg	<15.5	1430	1430	1810	1770	126	124	70-130	2	20	
trans-1,3-Dichloropropene	ug/kg	<205	1430	1430	1330	1330	93	93	70-130	0	20	
Trichloroethene	ug/kg	<26.8	1430	1430	1440	1440	101	101	70-130	0	20	
Trichlorofluoromethane	ug/kg	<20.8	1430	1430	1060	1130	74	79	42-159	7	21	
Vinyl chloride	ug/kg	<14.5	1430	1430	1120	1110	78	77	43-137	1	20	
1,2-Dichlorobenzene-d4 (S)	%						79	75	82-158			2q,3q
4-Bromofluorobenzene (S)	%						86	84	66-153			
Toluene-d8 (S)	%						75	76	67-159			

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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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

QC Batch: 388119
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: 40228455001, 40228455002, 40228455003, 40228455004

SAMPLE DUPLICATE: 2238888

Parameter	Units	40228462001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.3	5.1	3	10	

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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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

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

1q	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from the analysis of the MS/MSD that demonstrated similar interference).
2q	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from the analysis of the parent sample and MS that demonstrated similar interference).
3q	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from the analysis of the parent sample and MSD that demonstrated similar interference).
B	Analyte was detected in the associated method blank.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
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: 58217038 MARTINIZING DRY CLEAN
Pace Project No.: 40228455

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40228455001	**MW-4R (3')**	EPA 5035/5030B	388201	EPA 8260	388213
40228455002	**MW-4R (7')**	EPA 5035/5030B	388201	EPA 8260	388213
40228455003	**MW-7R (3')**	EPA 5035/5030B	388230	EPA 8260	388233
40228455004	**MW-7R (8')**	EPA 5035/5030B	388230	EPA 8260	388233
40228455005	**TRIP BLANK**	EPA 5035/5030B	388230	EPA 8260	388233
40228455001	**MW-4R (3')**	ASTM D2974-87	388119		
40228455002	**MW-4R (7')**	ASTM D2974-87	388119		
40228455003	**MW-7R (3')**	ASTM D2974-87	388119		
40228455004	**MW-7R (8')**	ASTM D2974-87	388119		

(Please Print Clearly)

Company Name:	Terracon Consultants
Branch/Location:	Franklin WI
Project Contact:	Tim Welch
Phone:	414-
Project Number:	58217038
Project Name:	Martinizing Dry Cleaners
Project State:	Wisconsin
Sampled By (Print):	Krista Kroeninger
Sampled By (Sign):	Krista Kroeninger
PO #:	Regulatory Program:

Pace Analytical®
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CHAIN OF COUSTODY

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

40228455

*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 #:	
Mail To Contact:	—
Mail To Company:	Terracon
Mail To Address:	SAA
Invoice To Contact:	↓
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

FILTERED? (YES/NO) — Y/N: N, N
PRESERVATION (CODE)* — Pick Letter: F, A

Analyses Requested: VOCs, Dry Weight

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOCs	Dry Weight	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-4R (3')	6/15/21	1030	S	1	1			
002	MW-4R (7')	↓	1031	S	1	1			
003	MW-7R (3')	↓	1320	S	1	1			
004	MW-7R (8')	↓	1321	S	1	1			
005	Trip Blank	↓			1				

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:
Krista Kroeninger	6/15/21 1428	Susan K Wylie / Pace	6/15/21 1428

PACE Project No. 40228455
Receipt Temp = 4.5 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / ~~Not Present~~
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Preservation Receipt Form

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

Client Name: Terracon Project # 40228455

All containers needing preservation have been checked and noted below: ☐Yes ☐No ☒N/A

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

Initial when completed: Date/ Time:

Pace Lab #	Glass: AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	Plastic: BP1U	BP3U	BP3B	BP3N	BP3S	Vials: VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	JG9U	WGFU	WPFU	General: SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																		\					\										2.5 / 5 / 10
002																		\					\										2.5 / 5 / 10
003																		\					\										2.5 / 5 / 10
004																		\					\										2.5 / 5 / 10
005																		\															2.5 / 5 / 10
006																		X	6/15/21														2.5 / 5 / 10
007																				AL5													2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																			6/15/21														2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																				AL5													2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

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

AG1U	1 liter amber glass
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# : 40228455

40228455

Client Name: Terracon

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 - 105 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 5 /Corr: 4.5

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

Person examining contents:
Date: 6/15/21 /Initials: AAS

Labeled By Initials: VC

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:
Short Hold Time Analysis (<72hr):	☐Yes	☒No		6.
Rush Turn Around Time Requested:	☐Yes	☒No		7.
Sufficient Volume:				8.
For Analysis: ☒Yes ☐No MS/MSD:	☐Yes	☒No	☐N/A	
Correct Containers Used:	☒Yes	☐No		9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☒N/A	
Containers Intact:	☒Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC:	☒Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: S				
Trip Blank Present:	☒Yes	☐No	☐N/A	13.
Trip Blank Custody Seals Present	☐Yes	☒No	☐N/A	
Pace Trip Blank Lot # (if purchased): _____				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

Page 2 of 2

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

July 19, 2021

Tim Welch
Terracon, Inc. - Franklin
9856 South 57th Street
Franklin, WI 53132

RE: Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Dear Tim Welch:

Enclosed are the analytical results for sample(s) received by the laboratory on July 08, 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,

Dan Milewsky
dan.milewsky@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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

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

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40229627001	**MW-1**	Water	07/08/21 15:10	07/08/21 17:25
40229627002	**MW-2**	Water	07/08/21 13:45	07/08/21 17:25
40229627003	**MW-3**	Water	07/08/21 13:35	07/08/21 17:25
40229627004	**MW-4R**	Water	07/08/21 12:10	07/08/21 17:25
40229627005	**MW-5**	Water	07/08/21 12:55	07/08/21 17:25
40229627006	**MW-6**	Water	07/08/21 15:00	07/08/21 17:25
40229627007	**MW-7R**	Water	07/08/21 12:10	07/08/21 17:25
40229627008	**PZ-1**	Water	07/08/21 14:20	07/08/21 17:25
40229627009	**PZ-2**	Water	07/08/21 14:25	07/08/21 17:25
40229627010	**PZ-6**	Water	07/08/21 16:40	07/08/21 17:25
40229627011	**SUMP-1**	Water	07/08/21 10:40	07/08/21 17:25
40229627012	**SUMP-2**	Water	07/08/21 10:30	07/08/21 17:25
40229627013	**DUP-1**	Water	07/08/21 00:00	07/08/21 17:25
40229627014	**TRIP BLANK**	Water	07/08/21 00:00	07/08/21 17:25

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SAMPLE ANALYTE COUNT

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40229627001	**MW-1**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	64	PASI-G
		SM 5310C	TJJ	1	PASI-G
40229627002	**MW-2**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	64	PASI-G
		SM 5310C	TJJ	1	PASI-G
40229627003	**MW-3**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	64	PASI-G
		SM 5310C	TJJ	1	PASI-G
40229627004	**MW-4R**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	64	PASI-G
		SM 5310C	TJJ	1	PASI-G
40229627005	**MW-5**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	64	PASI-G
		SM 5310C	TJJ	1	PASI-G
40229627006	**MW-6**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	64	PASI-G
		SM 5310C	TJJ	1	PASI-G
40229627007	**MW-7R**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8260	LAP	64	PASI-G
		SM 5310C	TJJ	1	PASI-G
40229627008	**PZ-1**	EPA 8260	LAP	64	PASI-G
40229627009	**PZ-2**	EPA 8260	LAP	64	PASI-G
40229627010	**PZ-6**	EPA 8260	LAP	64	PASI-G
40229627011	**SUMP-1**	EPA 8260	LAP	64	PASI-G
40229627012	**SUMP-2**	EPA 8260	LAP	64	PASI-G
40229627013	**DUP-1**	EPA 8260	LAP	64	PASI-G
40229627014	**TRIP BLANK**	EPA 8260	LAP	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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SUMMARY OF DETECTION

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40229627001	**MW-1**					
EPA 8260	cis-1,2-Dichloroethene	0.96J	ug/L	1.0	07/12/21 21:05	
EPA 8260	Tetrachloroethene	943	ug/L	20.0	07/13/21 10:31	
EPA 8260	Trichloroethene	4.4	ug/L	1.0	07/12/21 21:05	
SM 5310C	Total Organic Carbon	1.4	mg/L	0.50	07/16/21 11:39	
40229627002	**MW-2**					
EPA 8015B Modified	Methane	1.3J	ug/L	2.8	07/13/21 11:14	
SM 5310C	Total Organic Carbon	2.6	mg/L	0.50	07/16/21 12:24	
40229627003	**MW-3**					
EPA 8260	Tetrachloroethene	32.5	ug/L	1.0	07/12/21 21:42	
SM 5310C	Total Organic Carbon	1.4	mg/L	0.50	07/16/21 12:39	
40229627004	**MW-4R**					
SM 5310C	Total Organic Carbon	4.2	mg/L	1.5	07/16/21 12:57	
40229627005	**MW-5**					
SM 5310C	Total Organic Carbon	1.4	mg/L	0.50	07/16/21 13:15	
40229627006	**MW-6**					
EPA 8015B Modified	Methane	11.3	ug/L	2.8	07/13/21 12:07	
EPA 8260	cis-1,2-Dichloroethene	5.2	ug/L	1.0	07/12/21 22:38	
EPA 8260	Tetrachloroethene	31.7	ug/L	1.0	07/12/21 22:38	
EPA 8260	Trichloroethene	5.8	ug/L	1.0	07/12/21 22:38	
EPA 8260	Vinyl chloride	0.20J	ug/L	1.0	07/12/21 22:38	
SM 5310C	Total Organic Carbon	4.1	mg/L	0.50	07/16/21 13:31	
40229627007	**MW-7R**					
EPA 8260	cis-1,2-Dichloroethene	0.76J	ug/L	1.0	07/12/21 22:57	
SM 5310C	Total Organic Carbon	3.3	mg/L	0.50	07/16/21 14:08	
40229627008	**PZ-1**					
EPA 8260	cis-1,2-Dichloroethene	3.3	ug/L	1.0	07/12/21 23:15	
EPA 8260	Tetrachloroethene	2.8	ug/L	1.0	07/12/21 23:15	
EPA 8260	Trichloroethene	2.6	ug/L	1.0	07/12/21 23:15	
40229627011	**SUMP-1**					
EPA 8260	cis-1,2-Dichloroethene	7.2	ug/L	1.0	07/13/21 00:11	
EPA 8260	Tetrachloroethene	626	ug/L	10.0	07/13/21 10:50	
EPA 8260	Trichloroethene	6.4	ug/L	1.0	07/13/21 00:11	
40229627012	**SUMP-2**					
EPA 8260	Methylene Chloride	1.4J	ug/L	5.0	07/13/21 10:13	
EPA 8260	Tetrachloroethene	1.3	ug/L	1.0	07/13/21 10:13	
40229627013	**DUP-1**					
EPA 8260	cis-1,2-Dichloroethene	1.0	ug/L	1.0	07/13/21 00:49	
EPA 8260	Tetrachloroethene	989	ug/L	20.0	07/13/21 11:09	
EPA 8260	Trichloroethene	4.4	ug/L	1.0	07/13/21 00:49	

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PROJECT NARRATIVE

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Method: **EPA 8015B Modified**
Description: Methane, Ethane, Ethene GCV
Client: Terracon, Inc. - Franklin
Date: July 19, 2021

General Information:
7 samples were analyzed for EPA 8015B Modified by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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PROJECT NARRATIVE

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Method: **EPA 8260**
Description: 8260 MSV
Client: Terracon, Inc. - Franklin
Date: July 19, 2021

General Information:
14 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Method: **SM 5310C**
Description: 5310C TOC
Client: Terracon, Inc. - Franklin
Date: July 19, 2021

General Information:
7 samples were analyzed for SM 5310C by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: MW-1 **Lab ID: 40229627001** Collected: 07/08/21 15:10 Received: 07/08/21 17:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		07/13/21 11:08	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		07/13/21 11:08	74-85-1	
Methane	**<0.58**	ug/L	2.8	0.58	1		07/13/21 11:08	74-82-8	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/12/21 21:05	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 21:05	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/12/21 21:05	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 21:05	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/12/21 21:05	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/12/21 21:05	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 21:05	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/12/21 21:05	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/12/21 21:05	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/12/21 21:05	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 21:05	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/12/21 21:05	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/12/21 21:05	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/12/21 21:05	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 21:05	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 21:05	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/12/21 21:05	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/12/21 21:05	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/12/21 21:05	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/12/21 21:05	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 21:05	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 21:05	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/12/21 21:05	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/12/21 21:05	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 21:05	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/12/21 21:05	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/12/21 21:05	75-35-4	
cis-1,2-Dichloroethene	**0.96J**	ug/L	1.0	0.47	1		07/12/21 21:05	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/12/21 21:05	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/12/21 21:05	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 21:05	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/12/21 21:05	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 21:05	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 21:05	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/12/21 21:05	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 21:05	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 21:05	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/12/21 21:05	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/12/21 21:05	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: MW-1 **Lab ID: 40229627001** Collected: 07/08/21 15:10 Received: 07/08/21 17:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 21:05	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/12/21 21:05	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 21:05	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/12/21 21:05	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 21:05	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 21:05	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/12/21 21:05	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/12/21 21:05	79-34-5	
Tetrachloroethene	**943**	ug/L	20.0	8.2	20		07/13/21 10:31	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/12/21 21:05	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 21:05	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/12/21 21:05	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 21:05	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/12/21 21:05	79-00-5	
Trichloroethene	**4.4**	ug/L	1.0	0.32	1		07/12/21 21:05	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 21:05	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/12/21 21:05	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/12/21 21:05	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 21:05	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/12/21 21:05	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/12/21 21:05	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 21:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		07/12/21 21:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/12/21 21:05	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		07/12/21 21:05	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.4**	mg/L	0.50	0.14	1		07/16/21 11:39	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: MW-2 **Lab ID: 40229627002** Collected: 07/08/21 13:45 Received: 07/08/21 17:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		07/13/21 11:14	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		07/13/21 11:14	74-85-1	
Methane	**1.3J**	ug/L	2.8	0.58	1		07/13/21 11:14	74-82-8	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/13/21 09:54	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 09:54	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/13/21 09:54	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/13/21 09:54	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/13/21 09:54	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/13/21 09:54	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/13/21 09:54	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/13/21 09:54	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/13/21 09:54	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/13/21 09:54	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/13/21 09:54	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/13/21 09:54	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/13/21 09:54	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/13/21 09:54	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/13/21 09:54	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/13/21 09:54	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/13/21 09:54	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/13/21 09:54	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/13/21 09:54	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/13/21 09:54	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/13/21 09:54	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/13/21 09:54	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/13/21 09:54	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/13/21 09:54	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/13/21 09:54	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/13/21 09:54	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/13/21 09:54	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/13/21 09:54	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/13/21 09:54	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/13/21 09:54	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/13/21 09:54	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/13/21 09:54	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/13/21 09:54	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 09:54	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/13/21 09:54	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/13/21 09:54	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/13/21 09:54	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/13/21 09:54	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/13/21 09:54	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: MW-2 **Lab ID: 40229627002** Collected: 07/08/21 13:45 Received: 07/08/21 17:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/13/21 09:54	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/13/21 09:54	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/13/21 09:54	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/13/21 09:54	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/13/21 09:54	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 09:54	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/13/21 09:54	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/13/21 09:54	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/13/21 09:54	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/13/21 09:54	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/13/21 09:54	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/13/21 09:54	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/13/21 09:54	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/13/21 09:54	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/13/21 09:54	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/13/21 09:54	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/13/21 09:54	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/13/21 09:54	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 09:54	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/13/21 09:54	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/13/21 09:54	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/13/21 09:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		07/13/21 09:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/13/21 09:54	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		07/13/21 09:54	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.6**	mg/L	0.50	0.14	1		07/16/21 12:24	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: MW-3 **Lab ID: 40229627003** Collected: 07/08/21 13:35 Received: 07/08/21 17:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		07/13/21 11:21	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		07/13/21 11:21	74-85-1	
Methane	**<0.58**	ug/L	2.8	0.58	1		07/13/21 11:21	74-82-8	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/12/21 21:42	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 21:42	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/12/21 21:42	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 21:42	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/12/21 21:42	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/12/21 21:42	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 21:42	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/12/21 21:42	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/12/21 21:42	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/12/21 21:42	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 21:42	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/12/21 21:42	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/12/21 21:42	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/12/21 21:42	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 21:42	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 21:42	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/12/21 21:42	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/12/21 21:42	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/12/21 21:42	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/12/21 21:42	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 21:42	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 21:42	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/12/21 21:42	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/12/21 21:42	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 21:42	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/12/21 21:42	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/12/21 21:42	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/12/21 21:42	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/12/21 21:42	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/12/21 21:42	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 21:42	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/12/21 21:42	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 21:42	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 21:42	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/12/21 21:42	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 21:42	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 21:42	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/12/21 21:42	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/12/21 21:42	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: MW-3 **Lab ID: 40229627003** Collected: 07/08/21 13:35 Received: 07/08/21 17:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 21:42	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/12/21 21:42	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 21:42	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/12/21 21:42	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 21:42	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 21:42	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/12/21 21:42	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/12/21 21:42	79-34-5	
Tetrachloroethene	**32.5**	ug/L	1.0	0.41	1		07/12/21 21:42	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/12/21 21:42	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 21:42	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/12/21 21:42	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 21:42	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/12/21 21:42	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/12/21 21:42	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 21:42	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/12/21 21:42	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/12/21 21:42	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 21:42	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/12/21 21:42	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/12/21 21:42	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 21:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		07/12/21 21:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		07/12/21 21:42	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/12/21 21:42	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.4**	mg/L	0.50	0.14	1		07/16/21 12:39	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: MW-4R **Lab ID: 40229627004** Collected: 07/08/21 12:10 Received: 07/08/21 17:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		07/13/21 11:28	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		07/13/21 11:28	74-85-1	
Methane	**<0.58**	ug/L	2.8	0.58	1		07/13/21 11:28	74-82-8	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:01	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:01	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/12/21 22:01	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 22:01	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/12/21 22:01	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/12/21 22:01	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 22:01	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/12/21 22:01	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/12/21 22:01	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/12/21 22:01	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 22:01	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/12/21 22:01	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/12/21 22:01	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/12/21 22:01	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 22:01	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 22:01	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/12/21 22:01	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/12/21 22:01	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/12/21 22:01	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/12/21 22:01	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 22:01	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 22:01	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/12/21 22:01	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/12/21 22:01	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:01	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/12/21 22:01	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/12/21 22:01	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/12/21 22:01	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/12/21 22:01	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/12/21 22:01	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:01	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/12/21 22:01	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 22:01	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:01	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/12/21 22:01	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 22:01	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 22:01	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/12/21 22:01	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/12/21 22:01	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: MW-4R **Lab ID: 40229627004** Collected: 07/08/21 12:10 Received: 07/08/21 17:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 22:01	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/12/21 22:01	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 22:01	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/12/21 22:01	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 22:01	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:01	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:01	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/12/21 22:01	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 22:01	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/12/21 22:01	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 22:01	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/12/21 22:01	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:01	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/12/21 22:01	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/12/21 22:01	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 22:01	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/12/21 22:01	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/12/21 22:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:01	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/12/21 22:01	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/12/21 22:01	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 22:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		07/12/21 22:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		07/12/21 22:01	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/12/21 22:01	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**4.2**	mg/L	1.5	0.42	3		07/16/21 12:57	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: MW-5 **Lab ID: 40229627005** Collected: 07/08/21 12:55 Received: 07/08/21 17:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		07/13/21 11:35	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		07/13/21 11:35	74-85-1	
Methane	**<0.58**	ug/L	2.8	0.58	1		07/13/21 11:35	74-82-8	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:19	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:19	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/12/21 22:19	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 22:19	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/12/21 22:19	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/12/21 22:19	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 22:19	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/12/21 22:19	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/12/21 22:19	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/12/21 22:19	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 22:19	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/12/21 22:19	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/12/21 22:19	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/12/21 22:19	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 22:19	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 22:19	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/12/21 22:19	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/12/21 22:19	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/12/21 22:19	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/12/21 22:19	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 22:19	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 22:19	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/12/21 22:19	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/12/21 22:19	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:19	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/12/21 22:19	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/12/21 22:19	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/12/21 22:19	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/12/21 22:19	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/12/21 22:19	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:19	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/12/21 22:19	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 22:19	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:19	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/12/21 22:19	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 22:19	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 22:19	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/12/21 22:19	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/12/21 22:19	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: MW-5 **Lab ID: 40229627005** Collected: 07/08/21 12:55 Received: 07/08/21 17:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 22:19	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/12/21 22:19	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 22:19	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/12/21 22:19	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 22:19	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:19	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:19	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/12/21 22:19	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 22:19	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/12/21 22:19	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 22:19	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/12/21 22:19	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:19	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/12/21 22:19	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/12/21 22:19	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 22:19	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/12/21 22:19	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/12/21 22:19	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:19	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/12/21 22:19	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/12/21 22:19	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 22:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		07/12/21 22:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/12/21 22:19	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		07/12/21 22:19	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.4**	mg/L	0.50	0.14	1		07/16/21 13:15	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: MW-6 **Lab ID: 40229627006** Collected: 07/08/21 15:00 Received: 07/08/21 17:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		07/13/21 12:07	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		07/13/21 12:07	74-85-1	
Methane	**11.3**	ug/L	2.8	0.58	1		07/13/21 12:07	74-82-8	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:38	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:38	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/12/21 22:38	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 22:38	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/12/21 22:38	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/12/21 22:38	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 22:38	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/12/21 22:38	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/12/21 22:38	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/12/21 22:38	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 22:38	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/12/21 22:38	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/12/21 22:38	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/12/21 22:38	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 22:38	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 22:38	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/12/21 22:38	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/12/21 22:38	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/12/21 22:38	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/12/21 22:38	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 22:38	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 22:38	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/12/21 22:38	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/12/21 22:38	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:38	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/12/21 22:38	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/12/21 22:38	75-35-4	
cis-1,2-Dichloroethene	**5.2**	ug/L	1.0	0.47	1		07/12/21 22:38	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/12/21 22:38	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/12/21 22:38	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:38	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/12/21 22:38	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 22:38	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:38	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/12/21 22:38	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 22:38	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 22:38	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/12/21 22:38	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/12/21 22:38	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: MW-6 **Lab ID: 40229627006** Collected: 07/08/21 15:00 Received: 07/08/21 17:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 22:38	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/12/21 22:38	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 22:38	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/12/21 22:38	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 22:38	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:38	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:38	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/12/21 22:38	79-34-5	
Tetrachloroethene	**31.7**	ug/L	1.0	0.41	1		07/12/21 22:38	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/12/21 22:38	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 22:38	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/12/21 22:38	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:38	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/12/21 22:38	79-00-5	
Trichloroethene	**5.8**	ug/L	1.0	0.32	1		07/12/21 22:38	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 22:38	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/12/21 22:38	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/12/21 22:38	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:38	108-67-8	
Vinyl chloride	**0.20J**	ug/L	1.0	0.17	1		07/12/21 22:38	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/12/21 22:38	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 22:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/12/21 22:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/12/21 22:38	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		07/12/21 22:38	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**4.1**	mg/L	0.50	0.14	1		07/16/21 13:31	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: MW-7R **Lab ID: 40229627007** Collected: 07/08/21 12:10 Received: 07/08/21 17:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		07/13/21 12:13	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		07/13/21 12:13	74-85-1	
Methane	**<0.58**	ug/L	2.8	0.58	1		07/13/21 12:13	74-82-8	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:57	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:57	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/12/21 22:57	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 22:57	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/12/21 22:57	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/12/21 22:57	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 22:57	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/12/21 22:57	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/12/21 22:57	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/12/21 22:57	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 22:57	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/12/21 22:57	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/12/21 22:57	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/12/21 22:57	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 22:57	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 22:57	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/12/21 22:57	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/12/21 22:57	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/12/21 22:57	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/12/21 22:57	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 22:57	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 22:57	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/12/21 22:57	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/12/21 22:57	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:57	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/12/21 22:57	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/12/21 22:57	75-35-4	
cis-1,2-Dichloroethene	**0.76J**	ug/L	1.0	0.47	1		07/12/21 22:57	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/12/21 22:57	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/12/21 22:57	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:57	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/12/21 22:57	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 22:57	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:57	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/12/21 22:57	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 22:57	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 22:57	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/12/21 22:57	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/12/21 22:57	98-82-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: MW-7R **Lab ID: 40229627007** Collected: 07/08/21 12:10 Received: 07/08/21 17:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 22:57	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/12/21 22:57	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 22:57	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/12/21 22:57	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 22:57	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:57	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:57	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/12/21 22:57	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 22:57	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/12/21 22:57	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 22:57	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/12/21 22:57	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 22:57	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/12/21 22:57	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/12/21 22:57	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 22:57	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/12/21 22:57	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/12/21 22:57	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 22:57	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/12/21 22:57	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/12/21 22:57	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 22:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/12/21 22:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		07/12/21 22:57	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		07/12/21 22:57	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.3**	mg/L	0.50	0.14	1		07/16/21 14:08	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: PZ-1 **Lab ID: 40229627008** Collected: 07/08/21 14:20 Received: 07/08/21 17:25 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		07/12/21 23:15	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 23:15	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/12/21 23:15	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 23:15	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/12/21 23:15	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/12/21 23:15	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 23:15	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/12/21 23:15	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/12/21 23:15	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/12/21 23:15	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 23:15	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/12/21 23:15	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/12/21 23:15	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/12/21 23:15	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 23:15	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 23:15	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/12/21 23:15	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/12/21 23:15	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/12/21 23:15	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/12/21 23:15	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 23:15	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 23:15	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/12/21 23:15	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/12/21 23:15	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 23:15	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/12/21 23:15	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/12/21 23:15	75-35-4	
cis-1,2-Dichloroethene	**3.3**	ug/L	1.0	0.47	1		07/12/21 23:15	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/12/21 23:15	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/12/21 23:15	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 23:15	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/12/21 23:15	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 23:15	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 23:15	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/12/21 23:15	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 23:15	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 23:15	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/12/21 23:15	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/12/21 23:15	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 23:15	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/12/21 23:15	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 23:15	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/12/21 23:15	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 23:15	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 23:15	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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: PZ-1 **Lab ID: 40229627008** Collected: 07/08/21 14:20 Received: 07/08/21 17:25 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		07/12/21 23:15	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/12/21 23:15	79-34-5	
Tetrachloroethene	**2.8**	ug/L	1.0	0.41	1		07/12/21 23:15	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/12/21 23:15	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 23:15	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/12/21 23:15	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 23:15	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/12/21 23:15	79-00-5	
Trichloroethene	**2.6**	ug/L	1.0	0.32	1		07/12/21 23:15	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 23:15	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/12/21 23:15	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/12/21 23:15	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 23:15	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/12/21 23:15	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/12/21 23:15	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 23:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/12/21 23:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		07/12/21 23:15	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		07/12/21 23:15	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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: PZ-2 **Lab ID: 40229627009** Collected: 07/08/21 14:25 Received: 07/08/21 17:25 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		07/12/21 23:34	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 23:34	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/12/21 23:34	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 23:34	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/12/21 23:34	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/12/21 23:34	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 23:34	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/12/21 23:34	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/12/21 23:34	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/12/21 23:34	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 23:34	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/12/21 23:34	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/12/21 23:34	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/12/21 23:34	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 23:34	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 23:34	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/12/21 23:34	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/12/21 23:34	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/12/21 23:34	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/12/21 23:34	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 23:34	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 23:34	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/12/21 23:34	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/12/21 23:34	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 23:34	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/12/21 23:34	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/12/21 23:34	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/12/21 23:34	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/12/21 23:34	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/12/21 23:34	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 23:34	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/12/21 23:34	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 23:34	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 23:34	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/12/21 23:34	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 23:34	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 23:34	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/12/21 23:34	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/12/21 23:34	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 23:34	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/12/21 23:34	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 23:34	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/12/21 23:34	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 23:34	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 23:34	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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: PZ-2 **Lab ID: 40229627009** Collected: 07/08/21 14:25 Received: 07/08/21 17:25 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		07/12/21 23:34	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/12/21 23:34	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 23:34	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/12/21 23:34	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 23:34	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/12/21 23:34	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 23:34	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/12/21 23:34	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/12/21 23:34	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 23:34	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/12/21 23:34	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/12/21 23:34	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 23:34	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/12/21 23:34	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/12/21 23:34	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 23:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/12/21 23:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		07/12/21 23:34	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/12/21 23:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: PZ-6 **Lab ID: 40229627010** Collected: 07/08/21 16:40 Received: 07/08/21 17:25 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		07/12/21 23:53	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 23:53	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/12/21 23:53	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 23:53	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/12/21 23:53	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/12/21 23:53	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 23:53	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/12/21 23:53	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/12/21 23:53	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/12/21 23:53	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 23:53	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/12/21 23:53	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/12/21 23:53	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/12/21 23:53	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 23:53	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 23:53	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/12/21 23:53	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/12/21 23:53	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/12/21 23:53	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/12/21 23:53	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 23:53	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 23:53	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/12/21 23:53	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/12/21 23:53	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 23:53	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/12/21 23:53	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/12/21 23:53	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/12/21 23:53	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/12/21 23:53	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/12/21 23:53	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 23:53	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/12/21 23:53	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 23:53	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 23:53	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/12/21 23:53	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 23:53	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 23:53	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/12/21 23:53	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/12/21 23:53	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 23:53	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/12/21 23:53	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 23:53	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/12/21 23:53	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 23:53	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 23:53	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: PZ-6 **Lab ID: 40229627010** Collected: 07/08/21 16:40 Received: 07/08/21 17:25 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		07/12/21 23:53	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/12/21 23:53	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 23:53	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/12/21 23:53	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 23:53	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/12/21 23:53	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 23:53	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/12/21 23:53	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/12/21 23:53	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 23:53	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/12/21 23:53	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/12/21 23:53	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 23:53	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/12/21 23:53	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/12/21 23:53	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 23:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/12/21 23:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/12/21 23:53	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/12/21 23:53	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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: SUMP-1 **Lab ID: 40229627011** Collected: 07/08/21 10:40 Received: 07/08/21 17:25 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		07/13/21 00:11	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 00:11	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/13/21 00:11	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/13/21 00:11	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/13/21 00:11	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/13/21 00:11	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/13/21 00:11	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/13/21 00:11	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/13/21 00:11	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/13/21 00:11	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/13/21 00:11	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/13/21 00:11	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/13/21 00:11	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/13/21 00:11	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/13/21 00:11	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/13/21 00:11	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/13/21 00:11	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/13/21 00:11	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/13/21 00:11	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/13/21 00:11	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/13/21 00:11	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/13/21 00:11	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/13/21 00:11	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/13/21 00:11	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/13/21 00:11	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/13/21 00:11	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/13/21 00:11	75-35-4	
cis-1,2-Dichloroethene	**7.2**	ug/L	1.0	0.47	1		07/13/21 00:11	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/13/21 00:11	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/13/21 00:11	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/13/21 00:11	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/13/21 00:11	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/13/21 00:11	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 00:11	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/13/21 00:11	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/13/21 00:11	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/13/21 00:11	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/13/21 00:11	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/13/21 00:11	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/13/21 00:11	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/13/21 00:11	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/13/21 00:11	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/13/21 00:11	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/13/21 00:11	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 00:11	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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: SUMP-1 **Lab ID: 40229627011** Collected: 07/08/21 10:40 Received: 07/08/21 17:25 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		07/13/21 00:11	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/13/21 00:11	79-34-5	
Tetrachloroethene	**626**	ug/L	10.0	4.1	10		07/13/21 10:50	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/13/21 00:11	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/13/21 00:11	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/13/21 00:11	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/13/21 00:11	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/13/21 00:11	79-00-5	
Trichloroethene	**6.4**	ug/L	1.0	0.32	1		07/13/21 00:11	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/13/21 00:11	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/13/21 00:11	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/13/21 00:11	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 00:11	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/13/21 00:11	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/13/21 00:11	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/13/21 00:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/13/21 00:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		07/13/21 00:11	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		07/13/21 00:11	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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: SUMP-2 **Lab ID: 40229627012** Collected: 07/08/21 10:30 Received: 07/08/21 17:25 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		07/13/21 10:13	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 10:13	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/13/21 10:13	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/13/21 10:13	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/13/21 10:13	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/13/21 10:13	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/13/21 10:13	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/13/21 10:13	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/13/21 10:13	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/13/21 10:13	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/13/21 10:13	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/13/21 10:13	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/13/21 10:13	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/13/21 10:13	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/13/21 10:13	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/13/21 10:13	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/13/21 10:13	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/13/21 10:13	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/13/21 10:13	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/13/21 10:13	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/13/21 10:13	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/13/21 10:13	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/13/21 10:13	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/13/21 10:13	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/13/21 10:13	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/13/21 10:13	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/13/21 10:13	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/13/21 10:13	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/13/21 10:13	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/13/21 10:13	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/13/21 10:13	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/13/21 10:13	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/13/21 10:13	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 10:13	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/13/21 10:13	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/13/21 10:13	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/13/21 10:13	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/13/21 10:13	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/13/21 10:13	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/13/21 10:13	99-87-6	
Methylene Chloride	**1.4J**	ug/L	5.0	0.32	1		07/13/21 10:13	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/13/21 10:13	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/13/21 10:13	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/13/21 10:13	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 10:13	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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: SUMP-2 **Lab ID: 40229627012** Collected: 07/08/21 10:30 Received: 07/08/21 17:25 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		07/13/21 10:13	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/13/21 10:13	79-34-5	
Tetrachloroethene	**1.3**	ug/L	1.0	0.41	1		07/13/21 10:13	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/13/21 10:13	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/13/21 10:13	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/13/21 10:13	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/13/21 10:13	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/13/21 10:13	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/13/21 10:13	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/13/21 10:13	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/13/21 10:13	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/13/21 10:13	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 10:13	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/13/21 10:13	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/13/21 10:13	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/13/21 10:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		07/13/21 10:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		07/13/21 10:13	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		07/13/21 10:13	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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: DUP-1 **Lab ID: 40229627013** Collected: 07/08/21 00:00 Received: 07/08/21 17:25 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		07/13/21 00:49	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 00:49	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/13/21 00:49	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/13/21 00:49	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/13/21 00:49	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/13/21 00:49	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/13/21 00:49	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/13/21 00:49	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/13/21 00:49	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/13/21 00:49	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/13/21 00:49	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/13/21 00:49	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/13/21 00:49	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/13/21 00:49	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/13/21 00:49	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/13/21 00:49	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/13/21 00:49	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/13/21 00:49	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/13/21 00:49	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/13/21 00:49	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/13/21 00:49	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/13/21 00:49	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/13/21 00:49	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/13/21 00:49	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/13/21 00:49	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/13/21 00:49	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/13/21 00:49	75-35-4	
cis-1,2-Dichloroethene	**1.0**	ug/L	1.0	0.47	1		07/13/21 00:49	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/13/21 00:49	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/13/21 00:49	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/13/21 00:49	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/13/21 00:49	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/13/21 00:49	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 00:49	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/13/21 00:49	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/13/21 00:49	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/13/21 00:49	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/13/21 00:49	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/13/21 00:49	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/13/21 00:49	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/13/21 00:49	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/13/21 00:49	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/13/21 00:49	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/13/21 00:49	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 00:49	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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: DUP-1 **Lab ID: 40229627013** Collected: 07/08/21 00:00 Received: 07/08/21 17:25 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		07/13/21 00:49	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/13/21 00:49	79-34-5	
Tetrachloroethene	**989**	ug/L	20.0	8.2	20		07/13/21 11:09	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/13/21 00:49	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/13/21 00:49	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/13/21 00:49	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/13/21 00:49	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/13/21 00:49	79-00-5	
Trichloroethene	**4.4**	ug/L	1.0	0.32	1		07/13/21 00:49	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/13/21 00:49	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/13/21 00:49	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/13/21 00:49	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/13/21 00:49	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/13/21 00:49	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/13/21 00:49	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/13/21 00:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/13/21 00:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/13/21 00:49	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		07/13/21 00:49	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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: TRIP BLANK **Lab ID: 40229627014** Collected: 07/08/21 00:00 Received: 07/08/21 17:25 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		07/12/21 20:08	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 20:08	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/12/21 20:08	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 20:08	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/12/21 20:08	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/12/21 20:08	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 20:08	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/12/21 20:08	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/12/21 20:08	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/12/21 20:08	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/12/21 20:08	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/12/21 20:08	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/12/21 20:08	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/12/21 20:08	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 20:08	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/12/21 20:08	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/12/21 20:08	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/12/21 20:08	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/12/21 20:08	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/12/21 20:08	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 20:08	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 20:08	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/12/21 20:08	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/12/21 20:08	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 20:08	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/12/21 20:08	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/12/21 20:08	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/12/21 20:08	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/12/21 20:08	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/12/21 20:08	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 20:08	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/12/21 20:08	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 20:08	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 20:08	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/12/21 20:08	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 20:08	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/12/21 20:08	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/12/21 20:08	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/12/21 20:08	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 20:08	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/12/21 20:08	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/12/21 20:08	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/12/21 20:08	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 20:08	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 20:08	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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Sample: TRIP BLANK **Lab ID: 40229627014** Collected: 07/08/21 00:00 Received: 07/08/21 17:25 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		07/12/21 20:08	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/12/21 20:08	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/12/21 20:08	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/12/21 20:08	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/12/21 20:08	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/12/21 20:08	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/12/21 20:08	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/12/21 20:08	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/12/21 20:08	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/12/21 20:08	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/12/21 20:08	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/12/21 20:08	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/12/21 20:08	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/12/21 20:08	75-01-4	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/12/21 20:08	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/12/21 20:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		07/12/21 20:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		07/12/21 20:08	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/12/21 20:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

QC Batch: 390244
QC Batch Method: EPA 8015B Modified
Analysis Method: EPA 8015B Modified
Analysis Description: Methane, Ethane, Ethene GCV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40229627001, 40229627002, 40229627003, 40229627004, 40229627005, 40229627006, 40229627007

METHOD BLANK: 2250393 Matrix: Water
Associated Lab Samples: 40229627001, 40229627002, 40229627003, 40229627004, 40229627005, 40229627006, 40229627007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.39	5.6	07/13/21 09:23	
Ethene	ug/L	<0.25	5.0	07/13/21 09:23	
Methane	ug/L	<0.58	2.8	07/13/21 09:23	

LABORATORY CONTROL SAMPLE & LCSD: 2250394 2250395

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	46.8	47.6	87	89	80-120	2	20	
Ethene	ug/L	50	44.3	44.9	89	90	80-120	1	20	
Methane	ug/L	28.6	26.6	27.0	93	94	80-121	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2250592 2250593

Parameter	Units	40229627001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.39	53.6	53.6	46.1	46.5	86	87	80-122	1	20	
Ethene	ug/L	<0.25	50	50	43.6	44.1	87	88	80-122	1	20	
Methane	ug/L	<0.58	28.6	28.6	26.4	26.3	93	92	10-200	1	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

QC Batch: 390114
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40229627001, 40229627002, 40229627003, 40229627004, 40229627005, 40229627006, 40229627007, 40229627008, 40229627009, 40229627010, 40229627011, 40229627012, 40229627013, 40229627014

METHOD BLANK: 2249822
Matrix: Water
Associated Lab Samples: 40229627001, 40229627002, 40229627003, 40229627004, 40229627005, 40229627006, 40229627007, 40229627008, 40229627009, 40229627010, 40229627011, 40229627012, 40229627013, 40229627014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	07/12/21 17:39	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	07/12/21 17:39	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	07/12/21 17:39	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	07/12/21 17:39	
1,1-Dichloroethane	ug/L	<0.30	1.0	07/12/21 17:39	
1,1-Dichloroethene	ug/L	<0.58	1.0	07/12/21 17:39	
1,1-Dichloropropene	ug/L	<0.41	1.0	07/12/21 17:39	
1,2,3-Trichlorobenzene	ug/L	1.3J	5.0	07/12/21 17:39	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	07/12/21 17:39	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/12/21 17:39	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	07/12/21 17:39	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	07/12/21 17:39	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	07/12/21 17:39	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	07/12/21 17:39	
1,2-Dichloroethane	ug/L	<0.29	1.0	07/12/21 17:39	
1,2-Dichloropropane	ug/L	<0.45	1.0	07/12/21 17:39	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	07/12/21 17:39	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	07/12/21 17:39	
1,3-Dichloropropane	ug/L	<0.30	1.0	07/12/21 17:39	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	07/12/21 17:39	
2,2-Dichloropropane	ug/L	<4.2	5.0	07/12/21 17:39	
2-Chlorotoluene	ug/L	<0.89	5.0	07/12/21 17:39	
4-Chlorotoluene	ug/L	<0.89	5.0	07/12/21 17:39	
Benzene	ug/L	<0.30	1.0	07/12/21 17:39	
Bromobenzene	ug/L	<0.36	1.0	07/12/21 17:39	
Bromochloromethane	ug/L	<0.36	5.0	07/12/21 17:39	
Bromodichloromethane	ug/L	<0.42	1.0	07/12/21 17:39	
Bromoform	ug/L	<3.8	5.0	07/12/21 17:39	
Bromomethane	ug/L	<1.2	5.0	07/12/21 17:39	
Carbon tetrachloride	ug/L	<0.37	1.0	07/12/21 17:39	
Chlorobenzene	ug/L	<0.86	1.0	07/12/21 17:39	
Chloroethane	ug/L	<1.4	5.0	07/12/21 17:39	
Chloroform	ug/L	<1.2	5.0	07/12/21 17:39	
Chloromethane	ug/L	<1.6	5.0	07/12/21 17:39	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	07/12/21 17:39	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	07/12/21 17:39	
Dibromochloromethane	ug/L	<2.6	5.0	07/12/21 17:39	
Dibromomethane	ug/L	<0.99	5.0	07/12/21 17:39	
Dichlorodifluoromethane	ug/L	<0.46	5.0	07/12/21 17:39	

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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

METHOD BLANK: 2249822 Matrix: Water

Associated Lab Samples: 40229627001, 40229627002, 40229627003, 40229627004, 40229627005, 40229627006, 40229627007, 40229627008, 40229627009, 40229627010, 40229627011, 40229627012, 40229627013, 40229627014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.1	5.0	07/12/21 17:39	
Ethylbenzene	ug/L	<0.33	1.0	07/12/21 17:39	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	07/12/21 17:39	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	07/12/21 17:39	
m&p-Xylene	ug/L	<0.70	2.0	07/12/21 17:39	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	07/12/21 17:39	
Methylene Chloride	ug/L	<0.32	5.0	07/12/21 17:39	
n-Butylbenzene	ug/L	<0.86	1.0	07/12/21 17:39	
n-Propylbenzene	ug/L	<0.35	1.0	07/12/21 17:39	
Naphthalene	ug/L	1.3J	5.0	07/12/21 17:39	
o-Xylene	ug/L	<0.35	1.0	07/12/21 17:39	
p-Isopropyltoluene	ug/L	<1.0	5.0	07/12/21 17:39	
sec-Butylbenzene	ug/L	<0.42	1.0	07/12/21 17:39	
Styrene	ug/L	<0.36	1.0	07/12/21 17:39	
tert-Butylbenzene	ug/L	<0.59	1.0	07/12/21 17:39	
Tetrachloroethene	ug/L	<0.41	1.0	07/12/21 17:39	
Toluene	ug/L	<0.29	1.0	07/12/21 17:39	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	07/12/21 17:39	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	07/12/21 17:39	
Trichloroethene	ug/L	<0.32	1.0	07/12/21 17:39	
Trichlorofluoromethane	ug/L	<0.42	1.0	07/12/21 17:39	
Vinyl chloride	ug/L	<0.17	1.0	07/12/21 17:39	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130	07/12/21 17:39	
4-Bromofluorobenzene (S)	%	104	70-130	07/12/21 17:39	
Toluene-d8 (S)	%	100	70-130	07/12/21 17:39	

LABORATORY CONTROL SAMPLE: 2249823

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.9	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.8	102	66-130	
1,1,2-Trichloroethane	ug/L	50	50.0	100	70-130	
1,1-Dichloroethane	ug/L	50	52.3	105	68-132	
1,1-Dichloroethene	ug/L	50	49.6	99	85-126	
1,2,4-Trichlorobenzene	ug/L	50	51.7	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.8	90	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	49.2	98	70-130	
1,2-Dichlorobenzene	ug/L	50	52.8	106	70-130	
1,2-Dichloroethane	ug/L	50	51.3	103	70-130	
1,2-Dichloropropane	ug/L	50	52.8	106	78-125	
1,3-Dichlorobenzene	ug/L	50	54.1	108	70-130	
1,4-Dichlorobenzene	ug/L	50	54.4	109	70-130	
Benzene	ug/L	50	52.0	104	70-132	

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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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

LABORATORY CONTROL SAMPLE: 2249823

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	50	51.4	103	70-130	
Bromoform	ug/L	50	46.1	92	65-130	
Bromomethane	ug/L	50	38.9	78	44-128	
Carbon tetrachloride	ug/L	50	52.3	105	70-130	
Chlorobenzene	ug/L	50	52.4	105	70-130	
Chloroethane	ug/L	50	45.9	92	73-137	
Chloroform	ug/L	50	52.2	104	80-122	
Chloromethane	ug/L	50	31.7	63	27-148	
cis-1,2-Dichloroethene	ug/L	50	49.0	98	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.2	102	70-130	
Dibromochloromethane	ug/L	50	51.3	103	70-130	
Dichlorodifluoromethane	ug/L	50	21.6	43	22-151	
Ethylbenzene	ug/L	50	53.5	107	80-123	
Isopropylbenzene (Cumene)	ug/L	50	55.3	111	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	46.6	93	66-130	
Methylene Chloride	ug/L	50	47.2	94	70-130	
o-Xylene	ug/L	50	52.4	105	70-130	
Styrene	ug/L	50	55.0	110	70-130	
Tetrachloroethene	ug/L	50	54.6	109	70-130	
Toluene	ug/L	50	51.4	103	80-121	
trans-1,2-Dichloroethene	ug/L	50	50.1	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.7	99	58-125	
Trichloroethene	ug/L	50	52.4	105	70-130	
Trichlorofluoromethane	ug/L	50	53.0	106	84-148	
Vinyl chloride	ug/L	50	40.5	81	63-142	
1,2-Dichlorobenzene-d4 (S)	%			105	70-130	
4-Bromofluorobenzene (S)	%			107	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2250431 2250432

Parameter	Units	40229626001 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	52.6	54.8	105	110	70-130	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	51.7	54.3	103	109	66-130	5	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	50.4	52.0	101	104	70-130	3	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	53.4	55.3	107	111	68-132	3	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	50.9	51.0	102	102	76-132	0	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	56.5	59.4	111	117	70-130	5	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	49.0	51.8	98	104	51-126	6	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	50.5	51.8	101	104	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	54.7	55.9	109	112	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	52.4	54.5	105	109	70-130	4	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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2250431 2250432

Parameter	Units	40229626001 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	54.9	55.7	110	111	77-125	1	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	56.2	56.9	112	114	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	55.4	55.9	111	112	70-130	1	20	
Benzene	ug/L	<0.30	50	50	52.7	54.0	105	108	70-132	2	20	
Bromodichloromethane	ug/L	<0.42	50	50	53.4	55.0	107	110	70-130	3	20	
Bromoform	ug/L	<3.8	50	50	46.5	48.0	93	96	65-130	3	20	
Bromomethane	ug/L	<1.2	50	50	40.7	40.7	81	81	44-128	0	21	
Carbon tetrachloride	ug/L	<0.37	50	50	53.0	55.1	106	110	70-132	4	20	
Chlorobenzene	ug/L	<0.86	50	50	53.5	54.0	107	108	70-130	1	20	
Chloroethane	ug/L	<1.4	50	50	46.2	47.0	92	94	70-137	2	20	
Chloroform	ug/L	<1.2	50	50	52.4	55.1	105	110	80-122	5	20	
Chloromethane	ug/L	<1.6	50	50	29.8	32.0	60	64	17-149	7	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	50.1	52.3	100	105	70-130	4	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	52.9	54.9	106	110	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	51.5	53.4	103	107	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	20.4	20.9	41	42	22-158	3	20	
Ethylbenzene	ug/L	<0.33	50	50	54.3	55.0	109	110	80-123	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	55.9	57.0	112	114	70-130	2	20	
m&p-Xylene	ug/L	<0.70	100	100	108	110	108	110	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	47.0	50.3	94	101	66-130	7	20	
Methylene Chloride	ug/L	<0.32	50	50	47.6	49.7	95	99	70-130	4	20	
o-Xylene	ug/L	<0.35	50	50	53.2	53.3	106	107	70-130	0	20	
Styrene	ug/L	<0.36	50	50	54.8	55.8	110	112	70-130	2	20	
Tetrachloroethene	ug/L	<0.41	50	50	54.8	56.7	110	113	70-130	3	20	
Toluene	ug/L	<0.29	50	50	51.8	53.4	104	107	80-121	3	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	51.4	52.3	103	105	70-134	2	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	50.9	51.2	102	102	58-130	1	20	
Trichloroethene	ug/L	<0.32	50	50	53.7	54.6	107	109	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	53.3	54.4	107	109	82-151	2	20	
Vinyl chloride	ug/L	<0.17	50	50	39.6	41.3	79	83	61-143	4	20	
1,2-Dichlorobenzene-d4 (S)	%						105	104	70-130			
4-Bromofluorobenzene (S)	%						105	105	70-130			
Toluene-d8 (S)	%						100	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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

QC Batch: 390417
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40229627001, 40229627002, 40229627003, 40229627004, 40229627005, 40229627006, 40229627007

METHOD BLANK: 2251467 Matrix: Water
Associated Lab Samples: 40229627001, 40229627002, 40229627003, 40229627004, 40229627005, 40229627006, 40229627007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.14	0.50	07/16/21 11:11	

LABORATORY CONTROL SAMPLE: 2251468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	11.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2251469 2251470

Parameter	Units	40229627001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	1.4	6	6	7.2	7.3	98	99	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2251471 2251472

Parameter	Units	40229765008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	3.2	6	6	9.0	9.4	97	103	80-120	4	10	

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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: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58217038 ONE HOUR MARTINIZING
Pace Project No.: 40229627

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40229627001	**MW-1**	EPA 8015B Modified	390244		
40229627002	**MW-2**	EPA 8015B Modified	390244		
40229627003	**MW-3**	EPA 8015B Modified	390244		
40229627004	**MW-4R**	EPA 8015B Modified	390244		
40229627005	**MW-5**	EPA 8015B Modified	390244		
40229627006	**MW-6**	EPA 8015B Modified	390244		
40229627007	**MW-7R**	EPA 8015B Modified	390244		
40229627001	**MW-1**	EPA 8260	390114		
40229627002	**MW-2**	EPA 8260	390114		
40229627003	**MW-3**	EPA 8260	390114		
40229627004	**MW-4R**	EPA 8260	390114		
40229627005	**MW-5**	EPA 8260	390114		
40229627006	**MW-6**	EPA 8260	390114		
40229627007	**MW-7R**	EPA 8260	390114		
40229627008	**PZ-1**	EPA 8260	390114		
40229627009	**PZ-2**	EPA 8260	390114		
40229627010	**PZ-6**	EPA 8260	390114		
40229627011	**SUMP-1**	EPA 8260	390114		
40229627012	**SUMP-2**	EPA 8260	390114		
40229627013	**DUP-1**	EPA 8260	390114		
40229627014	**TRIP BLANK**	EPA 8260	390114		
40229627001	**MW-1**	SM 5310C	390417		
40229627002	**MW-2**	SM 5310C	390417		
40229627003	**MW-3**	SM 5310C	390417		
40229627004	**MW-4R**	SM 5310C	390417		
40229627005	**MW-5**	SM 5310C	390417		
40229627006	**MW-6**	SM 5310C	390417		
40229627007	**MW-7R**	SM 5310C	390417		

40229627

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

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:	Terracon Consultants
Branch/Location:	Franklin
Project Contact:	Tim Welch
Phone:	414-423-0255
Project Number:	58217038
Project Name:	One Hour Martinizing
Project State:	Wisconsin
Sampled By (Print):	Krista Kroeninger
Sampled By (Sign):	Krista Kroeninger
PO #:	Regulatory Program:

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

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

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

Matrix Codes

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	VOCs	TOC's	MET
					Y/N	Pick Letter	N	N	N
							B	B	C
001	MW-1	7/8/21	1510	GW			3	3	1
002	MW-2	"	1345	"			3	3	1
003	MW-3	"	1335	"			3	3	1
004	MW-4R	"	1210	"			3	3	1
005	MW-5	"	1255	"			3	3	1
006	MW-6	"	1500	"			3	3	1
007	MW-7R	"	1210	"			3	3	1
008	PZ-1	"	1420	"			3		
009	PZ-2	"	1425	"			3		
010	PZ-6	"	1640	"			3		
011	Sump-1	"	1040	"			3		
012	Sump-2	"	1030	"			3		
013	DUP-1						3		
014	Trip Blank			✓			2		

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

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:
Krista Kroeninger	7/8/21 1725	Pace	7/8/21 1725
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No. 40229627

Receipt Temp = 3.5 °C

Sample Receipt pH OK / Adjusted

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

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Sample Preservation Receipt Form

Client Name: Terracon Project # 40229627

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				1													6															2.5 / 5 / 10
002				1													6															2.5 / 5 / 10
003				1													6															2.5 / 5 / 10
004				1													6															2.5 / 5 / 10
005				1													6															2.5 / 5 / 10
006				1													6															2.5 / 5 / 10
007				1													6															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															8021 EC		3															2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																	7821															2.5 / 5 / 10
018																																2.5 / 5 / 10
019																	EC															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# : 40229627

40229627

Client Name: Terracon

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

Cooler Temperature Uncorr: 3 /Corr: 3.5

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

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

Person examining contents:
Date: 7821 /Initials: EL

Labeled By Initials: SKW

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2. Mail + Invoice Info 7.8.21 EL
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☐Yes ☑No ☐N/A	12. 012 - 2VG9M - no Times 7.821 EL
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): #4165		

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 login

Page 2 of 2

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

August 31, 2021

Tim Welch
Terracon WI
9856 S. 57th. St.
Franklin, WI 53132

RE: Project: 58217038 OHM-Revised Report
Pace Project No.: 10575795

Dear Tim Welch:

Enclosed are the analytical results for sample(s) received by the laboratory on August 24, 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 - Minneapolis

This report was revised August 31, 2021, to update the sample IDs.

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

Sincerely,

Kirsten Hogberg
kirsten.hogberg@pacelabs.com
(612)607-1700
Project Manager

Enclosures

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 58217038 OHM-Revised Report
Pace Project No.: 10575795

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 58217038 OHM-Revised Report
Pace Project No.: 10575795

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10575795001	**AMB-1**	Air	08/23/21 16:00	08/24/21 11:20
10575795002	**AMB-2**	Air	08/23/21 16:04	08/24/21 11:20

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 58217038 OHM-Revised Report
Pace Project No.: 10575795

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10575795001	**AMB-1**	TO-15	HMH	5	PASI-M
10575795002	**AMB-2**	TO-15	HMH	5	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SUMMARY OF DETECTION

Project: 58217038 OHM-Revised Report
Pace Project No.: 10575795

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10575795001	**AMB-1**					
TO-15	trans-1,2-Dichloroethene	1.9	ug/m3	1.2	08/25/21 16:37	
TO-15	Tetrachloroethene	685	ug/m3	5.2	08/27/21 02:24	
TO-15	Trichloroethene	2.4	ug/m3	0.83	08/25/21 16:37	
10575795002	**AMB-2**					
TO-15	cis-1,2-Dichloroethene	0.91J	ug/m3	1.2	08/25/21 17:04	
TO-15	Tetrachloroethene	1990	ug/m3	10.3	08/27/21 02:49	
TO-15	Trichloroethene	4.6	ug/m3	0.81	08/25/21 17:04	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 58217038 OHM-Revised Report
Pace Project No.: 10575795

Sample: AMB-1 **Lab ID: 10575795001** Collected: 08/23/21 16:00 Received: 08/24/21 11:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**<0.30**	ug/m3	1.2	0.30	1.52		08/25/21 16:37	156-59-2	
trans-1,2-Dichloroethene	**1.9**	ug/m3	1.2	0.26	1.52		08/25/21 16:37	156-60-5	
Tetrachloroethene	**685**	ug/m3	5.2	2.2	7.6		08/27/21 02:24	127-18-4	
Trichloroethene	**2.4**	ug/m3	0.83	0.30	1.52		08/25/21 16:37	79-01-6	
Vinyl chloride	**<0.13**	ug/m3	0.40	0.13	1.52		08/25/21 16:37	75-01-4	

Sample: AMB-2 **Lab ID: 10575795002** Collected: 08/23/21 16:04 Received: 08/24/21 11:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
cis-1,2-Dichloroethene	**0.91J**	ug/m3	1.2	0.29	1.49		08/25/21 17:04	156-59-2	
trans-1,2-Dichloroethene	**<0.25**	ug/m3	1.2	0.25	1.49		08/25/21 17:04	156-60-5	
Tetrachloroethene	**1990**	ug/m3	10.3	4.4	14.9		08/27/21 02:49	127-18-4	
Trichloroethene	**4.6**	ug/m3	0.81	0.29	1.49		08/25/21 17:04	79-01-6	
Vinyl chloride	**<0.13**	ug/m3	0.39	0.13	1.49		08/25/21 17:04	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 58217038 OHM-Revised Report
Pace Project No.: 10575795

QC Batch: 766079
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10575795001, 10575795002

METHOD BLANK: 4082617 Matrix: Air
Associated Lab Samples: 10575795001, 10575795002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.098	0.40	08/25/21 14:49	
Tetrachloroethene	ug/m3	<0.15	0.34	08/25/21 14:49	
trans-1,2-Dichloroethene	ug/m3	<0.084	0.40	08/25/21 14:49	
Trichloroethene	ug/m3	<0.098	0.27	08/25/21 14:49	
Vinyl chloride	ug/m3	<0.043	0.13	08/25/21 14:49	

LABORATORY CONTROL SAMPLE: 4082618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	41	43.9	107	70-137	
Tetrachloroethene	ug/m3	69.9	79.7	114	70-130	
trans-1,2-Dichloroethene	ug/m3	40.8	43.4	106	70-130	
Trichloroethene	ug/m3	55.7	62.2	112	70-130	
Vinyl chloride	ug/m3	26.6	27.8	105	70-137	

SAMPLE DUPLICATE: 4084938

Parameter	Units	10575795002 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	0.91J	0.92J		25	
Tetrachloroethene	ug/m3	1990	2020	1	25	
trans-1,2-Dichloroethene	ug/m3	<0.25	<0.25		25	
Trichloroethene	ug/m3	4.6	4.6	1	25	
Vinyl chloride	ug/m3	<0.13	<0.13		25	

SAMPLE DUPLICATE: 4086035

Parameter	Units	70184497001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	48.3	47.9	1	25	
Tetrachloroethene	ug/m3	1020	1010	0	25	
trans-1,2-Dichloroethene	ug/m3	<1.1	<0.23		25	
Trichloroethene	ug/m3	48.6	45.4	7	25	
Vinyl chloride	ug/m3	<0.35	<0.12		25	

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
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 58217038 OHM-Revised Report
Pace Project No.: 10575795

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.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58217038 OHM-Revised Report
Pace Project No.: 10575795

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10575795001	**AMB-1**	TO-15	766079		
10575795002	**AMB-2**	TO-15	766079		

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www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

51305

Page: 1 of 1

Section A Required Client Information:

Company: Tetra Tech
Address: 9856 S 57th St Franklin WI
Email To: Tim Welch
Phone: Fax:
Requested Due Date/TAT: STD

Section B Required Project Information:

Report To: Tim Welch
Copy To:
Purchase Order No.:
Project Name: OHM
Project Number: 58217038

Section C Invoice Information:

Attention:
Company Name: SAME
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 31924

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ ___ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level: II.___ III.___ IV.___ Other___

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE - END/GRAB DATE	COLLECTED COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	Amp-1	6LC		8/23/21	818	8/23/21	1600	-30	-5	00854044								X			001
2	Amp-2	6LC		8/23/21	824	8/23/21	1604	-29	-3	36420877								X			002
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments: PCE, TCE
Cis/Trans ~~DCE~~ DCE,
VC

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	8/23/21	1630	Mark Pace	8/24/21	11:20

SAMPLE CONDITIONS

	Y/N	Y/N	Y/N
	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: Ryan Johnson
SIGNATURE of SAMPLER:
DATE Signed (MM / DD / YY): 8/23/21

WO# : 10575795

10575795

Technical Phone: 612.607.6386

Pace Analytical®	Document Name: Sample Condition Upon Receipt (SCUR) - Air	Document Revised: 24Mar2020 Page 1 of 1
	Document No.: ENV-FRM-MIN4-0113 Rev	Pace Analytical Services -

WO#: 10575795
PM: KNH **Due Date: 08/31/21**
CLIENT: Terracon-WI

Air Sample Condition Upon Receipt **Client Name:** Terracon-WI **Project #:**

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial **See Exception** ☐

Tracking Number: 9753 8445 0812

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____ **Temp Blank rec:** ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): _____ **Corrected Temp (°C):** _____ **Thermometer Used:** ☐ G87A9170600254 ☐ G87A9155100842

Temp should be above freezing to 6°C **Correction Factor:** _____ **Date & Initials of Person Examining Contents:** 8-24-21 MI

Type of ice Received ☐ Blue ☐ Wet ☒ None

			Comments:
Chain of Custody Present?	☒ Yes	☐ No	1.
Chain of Custody Filled Out?	☒ Yes	☐ No	2.
Chain of Custody Relinquished?	☒ Yes	☐ No	3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No ☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No	6.
Rush Turn Around Time Requested?	☐ Yes	☒ No	7.
Sufficient Volume?	☒ Yes	☐ No	8.
Correct Containers Used? **(Tedlar bags not acceptable container for TO-14, TO-15 or APH)** -Pace Containers Used?	☒ Yes ☒ Yes	☐ No ☐ No	9.
Containers Intact? **(visual inspection/no leaks when pressurized)**	☒ Yes	☐ No	10.
Media: Air Can Airbag Filter TDT Passive			11. Individually Certified Cans Y (N) (list which samples)
Is sufficient information available to reconcile samples to the COC?	☒ Yes	☐ No	12.
Do cans need to be pressurized? **(DO NOT PRESSURIZE 3C or ASTM 1946!!!)**	☒ Yes	☐ No	13.

Gauge # ☐ 10AIR26 ☒ 10AIR34 ☐ 10AIR35 ☐ 4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
Amp-1	85	404	-3.5	+5					
Amp-2	3642	877	-3	+5					

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Kristen Hoffberg **Date:** 8/25/2021

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical®
www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

51305

Page: 1 of 1

Section A Required Client Information:

Company: Tetra Tech
Address: 9856 S 57th St
Franklin WI
Email To: Tim Welch
Phone: Fax:
Requested Due Date/TAT: STD

Section B Required Project Information:

Report To: Tim Welch
Copy To:
Purchase Order No.:
Project Name: OHM
Project Number: 58217038

Section C Invoice Information:

Attention:
Company Name: SAME
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 31924

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ ___ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level: II.___ III.___ IV.___ Other___

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE - END/GRAB DATE	COLLECTED COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	~~Amp-1~~ AMB-1	6LC		8/23/21	818	8/23/21	1600	-30	-5	00854	04						X				001
2	~~Amp-2~~ AMB-2	6LC		8/23/21	824	8/23/21	1604	-29	-3	36420	877						X				002
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments: PCE, TCE
Cis/Trans ~~DCE~~ DCE,
VC

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	8/23/21	1630	Mark Mace	8/24/21	11:20

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ryan Johnson

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY): 8/23/21

WO# : 10575795

10575795

Technical Phone: 612.607.6386

Terracon
Consulting Engineers & Scientists

SUB-SLAB/SOIL GAS / INDOOR AIR SAMPLING INFORMATION FORM

PROJECT NAME OHM

PROJECT LOCATION Green bay, WI **PROJECT NO.** 58217038

Sample ID / Location: Amp-1 **Date:** 8/23/21 **Time:**

Summa Canister #: 0085 **Flow Controller #:** 0404 **Flow Rate:** _____ cm³/min

Start Time: 819 **Canister Vacuum:** -30 "Hg **Stop Time:** 1600 **Canister Vacuum:** -5 "Hg

Sample Point Description & Method 8hr 6 Liter Canister

For soil gas sampling

Sample Zone Soil Type (circle one): Clay Silt Sand Gravel Other _____

Apparent Moisture Content of Sampling Zone (circle one): Dry Moist Saturated

Sample Depth / Height: _____ feet

Organic Vapor Reading: _____ ppm **PID used:** _____

Volume Purged & Purge Method: _____

Sampling Train/Tubing Type(s)/Dia: _____

Cleaning Performed in Field: _____

Sub-Slab Leak Testing: **Helium Meter Used:** _____ **He Ambient Air:** _____ ppm

He Shroud: _____ ppm

Isopropyl Alcohol (2-Propanol) used: yes or no

Comments / Problems:

basement Ambient Air Sample

Form Completed By PSJ **Date** 8/23/21

Terracor
Consulting Engineers & Scientis

SUB-SLAB/SOIL GAS / INDOOR AIR SAMPLING INFORMATION FORM

PROJECT NAME OHM

PROJECT LOCATION Green Bay, WI **PROJECT NO.** 58217038

Sample ID / Location: Amp-3 **Date:** 8/23/21 **Time:** _____

Summa Canister #: 3642 **Flow Controller #:** 0877 **Flow Rate:** _____ cm³/min

Start Time: 924 **Canister Vacuum:** -29 "Hg **Stop Time:** ~~1600~~ 1604 **Canister Vacuum:** ~~-5~~ -3 "Hg

8hr 6L Canister

F _____ I _____ I

cle one): Clay Silt Sand Gravel

ent Mo

_____ feet

_____ **PID used:** _____

od

n

_____ **He Ambient Air:** _____ ppm

He Shroud: _____ ppm

Isopropyl Alcohol (2-Propanol) used: yes or no

near South wall in 2nd most Northern basement, (on eastern side of wall)

Form Completed By PSO **Date** 8/23/21

TERRACON

GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: One Hour Martinizing	PROJECT NO. 58 217038
PROJECT LOCATION: Green Bay, WI	
SAMPLE POINT: MW-1	SAMPLE POINT DESCRIPTION:
CASING DIAMETER: 2"	
WELL DEPTH: 12.62	
DATE: 7/8/21	TIME 11:20 AM /PM
DEPTH TO GROUND WATER (FT): 4.70	
SAMPLING METHOD: Low flow	FLOW RATE: ~200 mL/min
SAMPLE TIME: 1510	TOTAL PURGED: ~ 2 gallons

TIME	WATER LEVEL	TEMP.(° C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
1436	5.41	15.23	7.04	0.675	95.7	13.27
1441	5.53	15.66	7.05	0.688	89.6	7.42
1446	5.60	15.88	7.06	0.696	88.6	6.23
1451	5.69	16.20	7.07	0.705	87.8	5.81
1456	5.81	16.30	7.07	0.709	87.5	6.00
1501	5.89	16.30	7.07	0.708	87.5	6.02
1506	5.97	16.31	7.08	0.710	87.5	6.03
1508	6.02	16.31	7.07	0.711	87.5	6.04

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID (CLEAR)	ODOR: YES (NO) NOT NOTED	ANALYSES: VOCs, MEE, TOC

CLEANING PERFORMED IN FIELD: *Alconox and Distilled Water AND Disposable gloves* (LLG) *INITIAL TO VERIFY OR NOTE OTHER CLEANING METHOD PERFORMED

COMMENTS:

DUP-1 for VOCs

SAMPLED BY: KLK	DATE: 7/8/21
REVIEWED BY: Timothy Nikkel	DATE: 9/24/2021

TERRACON — GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: One Hour Martinizing	PROJECT NO. 58 217038
PROJECT LOCATION: Green Bay, WI	
SAMPLE POINT: MW-2	SAMPLE POINT DESCRIPTION:
CASING DIAMETER: 2"	
WELL DEPTH: 13.10	
DATE: 7/8/21	TIME 1115 AM/PM — DEPTH TO GROUND WATER (FT): 6.05
SAMPLING METHOD: Low Flow	FLOW RATE: ~200 mL/min
SAMPLE TIME: 1345	TOTAL PURGED: ~ 2 gal

TIME	WATER LEVEL	TEMP.(° C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
1318	6.42	16.04	6.26	0.915	48.5	5.31
1323	6.47	15.63	6.17	0.755	55.4	2.57
1328	6.49	15.86	6.18	0.697	60.6	2.52
1333	6.51	15.75	6.18	0.690	55.9	2.60
1338	6.51	15.85	6.19	0.692	53.2	2.63
1343	6.51	15.90	6.19	0.695	52.1	2.66

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID CLEAR	ODOR: YES NO NOT NOTED	ANALYSES: VOCs, MEE, TOC

CLEANING PERFORMED IN FIELD: *Alconox and Distilled Water AND Disposable gloves* (METHOD PERFORMED) *INITIAL TO VERIFY OR NOTE OTHER CLEANING

COMMENTS:
1 bailer Removed Full at H20.

SAMPLED BY:	DATE: 7/8/21
REVIEWED BY: Timothy Mitchell	DATE: 9/24/2021

TERRACON — GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: One Hour Martinizing	PROJECT NO. 58 217038
PROJECT LOCATION: Green Bay, WI	
SAMPLE POINT: MW-3	SAMPLE POINT DESCRIPTION:
CASING DIAMETER: 2"	
WELL DEPTH: 12.51	
DATE: 7/8/21	TIME 11:13 AM /PM — DEPTH TO GROUND WATER (FT): 4.78
SAMPLING METHOD: Low flow	FLOW RATE: ~200 mL/min
SAMPLE TIME: 13:35	TOTAL PURGED: ~2 gallons

TIME	WATER LEVEL	TEMP.(° C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
13:05	5.31	16.45	6.87	0.866	91.6	14.70
13:10	5.49	16.40	6.90	0.861	90.8	8.20
13:15	5.68	16.75	6.89	0.870	89.2	7.10
13:20	5.71	16.84	6.92	0.870	88.1	6.63
13:25	5.79	16.83	6.94	0.872	87.6	6.46
13:30	5.86	16.84	6.94	0.875	87.6	6.45
13:32	5.89	16.83	6.94	0.876	87.5	6.44

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID (CLEAR)	ODOR: YES (NO) NOT NOTED	ANALYSES: VOCs, MEE, TOC

CLEANING PERFORMED IN FIELD: *Alconox and Distilled Water AND Disposable gloves* *INITIAL TO VERIFY OR NOTE OTHER CLEANING METHOD PERFORMED

COMMENTS:

SAMPLED BY: KLK	DATE: 7/8/21
REVIEWED BY: Timothy Mickel	DATE: 9/24/2021

TERRACON

GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: One Hour Martinizing	PROJECT NO. 58 217038
PROJECT LOCATION: Green Bay, WI	
SAMPLE POINT: MW-4R	SAMPLE POINT DESCRIPTION:
CASING DIAMETER: 2"	
WELL DEPTH: 13.75	
DATE: 7/8/21	TIME 11:10 AM/PM
DEPTH TO GROUND WATER (FT): 3.13	
SAMPLING METHOD: Low flow	FLOW RATE: ~200 mL/min
SAMPLE TIME: 1210	TOTAL PURGED: ~ 2 gal

TIME	WATER LEVEL	TEMP.(° C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
1144	3.41	16.34	6.20	4.984	91.1	7.59
1149	3.62	16.30	6.22	5.039	87.7	1.92
1154	3.79	16.41	6.24	5.094	87.3	2.23
1159	3.95	16.50	6.25	5.109	84.0	2.05
1204	4.11	16.59	6.26	5.119	83.1	2.06
1209	4.27	16.65	6.27	5.126	82.3	2.11

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID (CLEAR)

ODOR: YES (NO) NOT NOTED

ANALYSES: VOCs, MEE, TOC

CLEANING PERFORMED IN FIELD: *Alconox and Distilled Water AND Disposable gloves* (METHOD PERFORMED) (*INITIAL TO VERIFY OR NOTE OTHER CLEANING)

RLO

COMMENTS:

SAMPLED BY: RSO DATE: 7/8/21

REVIEWED BY: Timothy Pinkall DATE: 9/24/2021

TERRACON

GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: One Hour Martinizing	PROJECT NO. 58 217038
PROJECT LOCATION: Green Bay, WI	
SAMPLE POINT: MW-5	SAMPLE POINT DESCRIPTION:
CASING DIAMETER: 2"	
WELL DEPTH: 12.51	
DATE: 7/8/21	TIME 11:11 AM /PM
	DEPTH TO GROUND WATER (FT): 4.43
SAMPLING METHOD: Low flow	FLOW RATE: ~200 mL/min
SAMPLE TIME: 1255	TOTAL PURGED: ~ 2 gallons

TIME	WATER LEVEL	TEMP.(° C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
1220	5.36	15.22	7.18	0.982	84.2	16.46
1225	5.45	15.98	7.17	0.966	87.2	11.04
1230	5.58	16.30	7.18	0.921	81.6	9.93
1235	5.70	16.74	7.17	0.918	80.8	9.41
1240	5.82	16.67	7.15	0.917	81.4	9.45
1245	5.91	16.72	7.14	0.920	81.2	9.42
1250	6.07	16.66	7.13	0.920	81.4	9.43
1252	6.12	16.64	7.12	0.920	81.7	9.46

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID (CLEAR)	ODOR: YES (NO) NOT NOTED	ANALYSES: VOCs, MEE, TOC

CLEANING PERFORMED IN FIELD: *Alconox and Distilled Water AND Disposable gloves* (METHOD PERFORMED) *INITIAL TO VERIFY OR NOTE OTHER CLEANING

COMMENTS:

SAMPLED BY: KLK	DATE: 7/8/21
REVIEWED BY: Timothy Pinkel	DATE: 9/24/2021

TERRACON — GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: One Hour Martinizing	PROJECT NO. 58217038
PROJECT LOCATION: Green Bay, WI	
SAMPLE POINT: MW-6	SAMPLE POINT DESCRIPTION:
CASING DIAMETER: 2"	
WELL DEPTH: 13.05	
DATE: 7/8/21	TIME: 1117 AM/PM
DEPTH TO GROUND WATER (FT): 4.89	
SAMPLING METHOD: Low flow	FLOW RATE: ~200 mL/min
SAMPLE TIME: 1500	TOTAL PURGED: ~2 gal

TIME	WATER LEVEL	TEMP.(° C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
1433	6.97	17.35	6.92	0.697	16.3	5.11
1438	7.41	17.45	6.74	0.716	25.7	3.45
1443	7.60	17.71	6.70	0.732	36.1	3.45
1448	7.71	17.65	6.70	0.736	36.9	3.39
1453	7.80	17.60	6.69	0.739	35.0	3.30
1458	7.86	17.57	6.70	0.735	33.3	3.26

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID CLEAR	ODOR: YES (NO) NOT NOTED	ANALYSES: VOCs, MEE, TOC

CLEANING PERFORMED IN FIELD: *Alconox and Distilled Water AND Disposable gloves* (METHOD PERFORMED) *INITIAL TO VERIFY OR NOTE OTHER CLEANING

PCS

COMMENTS:

SAMPLED BY: PCS	DATE: 7/8/21
REVIEWED BY: Timothy Parker	DATE: 9/24/2021

TERRACON — GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: One Hour Martinizing	PROJECT NO. 58 217038
PROJECT LOCATION: Green Bay, WI	
SAMPLE POINT: MW-7R	SAMPLE POINT DESCRIPTION:
CASING DIAMETER: 2"	
WELL DEPTH: 15.90	
DATE: 7/8/21	TIME 11:07 AM /PM — DEPTH TO GROUND WATER (FT): 4.61
SAMPLING METHOD: Low flow	FLOW RATE: ~200 mL/min
SAMPLE TIME: 1210	TOTAL PURGED: ~2 gallons

TIME	WATER LEVEL	TEMP.(° C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
1138	5.19	13.62	6.83	1.951	93.2	27.07
1143	5.56	14.41	6.81	1.963	92.5	8.86
1148	5.89	14.89	6.78	1.943	92.2	5.61
1153	6.11	14.95	6.81	1.914	91.8	4.46
1158	6.34	15.04	6.82	1.898	91.3	4.03
1203	6.49	15.00	6.82	1.894	91.2	3.99
1205	6.65	14.99	6.82	1.891	91.2	3.97
Sample	1210					

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID CLEAR	ODOR: YES NO NOT NOTED	ANALYSES: VOCs, MEE, TOC

CLEANING PERFORMED IN FIELD: *Alconox and Distilled Water AND Disposable gloves* (METHOD PERFORMED) *INITIAL TO VERIFY OR NOTE OTHER CLEANING

COMMENTS:

SAMPLED BY: KLK	DATE: 7/8/21
REVIEWED BY: Timothy Nikkel	DATE: 9/24/2021

TERRACON — GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: One Hour Martinizing	PROJECT NO. 58217038
PROJECT LOCATION: Green Bay, WI	
SAMPLE POINT: PZ-1	SAMPLE POINT DESCRIPTION:
CASING DIAMETER: 2"	
WELL DEPTH: 22.29	
DATE: 7/8/21	TIME: 11.21 AM/PM — DEPTH TO GROUND WATER (FT): 5.18
SAMPLING METHOD: Low flow	FLOW RATE: ~200 mL/min
SAMPLE TIME: 1420	TOTAL PURGED: ~2 gallons

TIME	WATER LEVEL	TEMP.(° C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
1346	7.25	14.29	7.01	0.475	89.3	17.05
1351	7.81	15.52	7.18	0.485	88.6	7.14
1356	8.14	15.82	7.17	0.487	87.9	5.95
1401	8.51	16.05	7.16	0.589	87.0	4.96
1406	8.59	16.02	7.16	0.488	86.6	4.75
1411	8.67	16.01	7.17	0.485	85.6	4.51
1416	8.79	16.01	7.17	0.484	85.5	4.45
1418	8.90	15.89	7.17	0.484	85.6	4.42

SAMPLE APPEARANCE: VERY TURBID / TURBID / SLIGHTLY TURBID / (CLEAR)	ODOR: YES / (NO) / NOT NOTED	ANALYSES: VOCs, [redacted]

CLEANING PERFORMED IN FIELD: *Alconox and Distilled Water AND Disposable gloves* (* INITIAL TO VERIFY OR NOTE OTHER CLEANING METHOD PERFORMED)

COMMENTS:

SAMPLED BY: RVL	DATE: 7/8/21
REVIEWED BY: Timothy Parkhill	DATE: 9/24/2021

TERRACON — GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: One Hour Martinizing	PROJECT NO. 58 217038
PROJECT LOCATION: Green Bay, WI	
SAMPLE POINT: PZ-2	SAMPLE POINT DESCRIPTION:
CASING DIAMETER: 3/4" ~~PZ-2~~	
WELL DEPTH: 21.70	
DATE: 7/8/21	TIME 1116 (AM/PM) — DEPTH TO GROUND WATER (FT): 5.78
SAMPLING METHOD: Low flow	FLOW RATE: ~200 mL/min
SAMPLE TIME: 1425	TOTAL PURGED: ~2 gal

TIME	WATER LEVEL	TEMP.(°C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
1358	8.98	13.75	6.62	0.438	-66.1	4.98
~~13~~ 1403	11.94	13.00	6.89	0.421	-100.3	1.71
1408	13.75	12.90	7.01	0.413	-125.2	0.39
1413	14.63	12.82	7.03	0.405	-130.2	0.44
1418	14.88	13.01	7.05	0.408	-132.6	0.41
1423	15.03	12.96	7.06	0.410	-133.8	0.39

SAMPLE APPEARANCE: VERY ~~TURBID~~ TURBID SLIGHTLY TURBID ~~CLEAR~~ — ODOR: YES NO NOT NOTED — ANALYSES: ~~NO~~ VOCs, ~~MEE~~, ~~FUG~~

CLEANING PERFORMED IN FIELD: *Alconox and Distilled Water AND Disposable gloves* (*INITIAL TO VERIFY OR NOTE OTHER CLEANING METHOD PERFORMED) Rey

COMMENTS:

SAMPLED BY: Rey	DATE: 7/8/21
REVIEWED BY: Timothy Parkhill	DATE: 9/24/2021

TERRACON — GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: One Hour Martinizing	PROJECT NO. 58217038
PROJECT LOCATION: Green Bay, WI	
SAMPLE POINT: PZ-6	SAMPLE POINT DESCRIPTION:
CASING DIAMETER: 3/4"	
WELL DEPTH: 23.10	
DATE: 7/8/21	TIME 11:19 AM /PM — DEPTH TO GROUND WATER (FT): 6.27
SAMPLING METHOD: Low flow	FLOW RATE: ~200 mL/min
SAMPLE TIME: 1640	TOTAL PURGED: ~1 gallon

TIME	WATER LEVEL	TEMP.(° C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
1523	10.91	15.16	7.23	0.314	-36.9	15.02
1528	16.62	15.82	7.34	0.310	-31.2	5.01
1533	23.10	15.86	7.24	0.307	-29.4	2.78

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID CLEAR

ODOR: YES (NO) NOT NOTED

ANALYSES: VOCs

CLEANING PERFORMED IN FIELD: *Alconox and Distilled Water AND Disposable gloves* (METHOD PERFORMED) *INITIAL TO VERIFY OR NOTE OTHER CLEANING

COMMENTS:

goes dry after 15 minutes. wait for recharge. got 2.5 liters

SAMPLED BY: KLK	DATE: 7/8/21
REVIEWED BY: Timothy Pinkel	DATE: 9/24/2021