SUPPLEMENTAL DATA REPORT

PORTAGE CLEANERS
104 EAST WISCONSIN STRET
PORTAGE, WISCONSIN
WDNR BRRTS# 02-11-512824

May 11, 2018

Prepared For:

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CERTIFICATION

I, Robert Hoverman, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Senior Project Manager — 2/11/2018

Signature and title — Date

EXECUTIVE SUMMARY

EnviroForensics, LLC. (EnviroForensics) has prepared this Supplemental Data (SD) report on behalf of Portage Cleaners Inc. and David Bieno, for the Portage Cleaners (Portage) facility located at 104 East Wisconsin Street, Portage, Wisconsin (Site). The Site is currently utilized as a conventional laundromat and a drop off location for off-Site dry cleaning operations.

The Site consists of two parcels that total approximately 0.29 acres with a separate single-story commercial building on each parcel. The facility where former dry-cleaning operations were performed is located on the eastern parcel which occupies approximately 1,884 square feet. The building now operates as a drop off location. The second building, located on the western parcel, houses conventional laundromat and office space, and occupies approximately 4,250 square feet. The parcel boundaries bisect the location of a previous building which historically conducted dry cleaning operations as well as coin operated laundry operations. Both current Site buildings are slab on grade with the remainder of the property covered by paved asphalt driveway and gravel parking area.

Environmental impacts were initially detected in soil and groundwater at off-Site, adjacent locations during a Phase II Environmental Site Investigation completed in July 2003 by the Wisconsin Department of Transportation (WisDOT) as part of a project related to the Portage Canal. Tetrachloroethene (PCE) and trichloroethene (TCE) were detected in soil at two (2) soil boring locations. PCE and TCE were also detected at one (1) grab-groundwater location.

MSA Professional Services, Inc. (MSA) was retained by Portage Cleaners in October 2003. Between October 2003 and June 2007, nine (9) soil borings were advanced to collect groundwater samples. Subsequently, nine (9) water table wells and two (2) piezometers were installed to monitor groundwater quality. Additionally, four (4) rounds of groundwater sampling were conducted between 2003 and 2007. Investigation activities identified additional soil and groundwater impacts on- and off-Site exceeding Wisconsin Department of Natural Resources standards.

Additional site investigation activities were performed by EnviroForensics between August and December 2017. The additional site investigation activities included: soil and grab-groundwater sampling, groundwater monitoring, and vapor intrusion assessments to further delineate soil, groundwater and vapor impacts on- and off-Site.

Chlorinated volatile organic compounds (CVOCs) were detected in soil at concentrations exceeding the applicable risk-based standards in soil on- and off-Site. A groundwater plume containing various CVOCs at concentrations above groundwater enforcement standards (ES) was also detected at on- and off-Site monitoring well locations.

Compounds unrelated to the dry cleaning process such as bromodichloromethane, chloroform and methylene chloride were detected in groundwater at concentrations exceeding the groundwater standards on- and off-Site. Chloromethane, chloroethane and dichlorodifluoromethane, also unrelated to the dry cleaning process, were detected in groundwater but at concentrations below groundwater standards on- and off-Site.

As exhibited in soil and groundwater sample results, the area containing the highest CVOC impact is near the Site building nearest to the former dry cleaning machine location. Historically, the highest concentrations of CVOCs in groundwater were detected at off-Site well MW-9; however, the most recent groundwater data indicates the highest concentrations of CVOCs at on-Site well MW-4. The elevated concentrations of the CVOC PCE and daughter products observed in downgradient monitoring wells indicate that natural attenuation is occurring.

Potential exposure pathways consist of direct contact with soil, groundwater, or inhalation of vapors. Direct-contact exposure to groundwater impacts is currently prevented by surface cover materials (i.e. asphalt, concrete and buildings) and vapor intrusion does not appear to be occurring on- or off-Site.

1.0 INTRODUCTION

EnviroForensics, LLC has prepared this Supplemental Data (SD) Report on behalf of David Bieno d/b/a Portage Cleaners Inc. for the Portage Cleaners facility located at 104 East Wisconsin Street in Portage, Wisconsin. This SD Report follows guidelines for investigations and reporting set forth in the Wisconsin Administrative Code Chapter NR 716 and other associated State of Wisconsin Chapter NR 700 series rules. This report incorporates the findings of past Site investigation work conducted by previous consultants, which were primarily documented in Site Investigation Report submitted by MSA Professional Services, Inc. (MSA) in April 2008.

The data collected during the Site investigation indicate that soil, groundwater, and soil vapor at the Site and on adjacent properties contain impacts as a result of releases of tetrachloroethene (PCE). These impacts appear to be consistent with the sort of minor releases typically associated with normal dry cleaning operations.

1.1 Site Description

The Site is located at 104 East Wisconsin Street in Portage, Wisconsin. The location of the Site is depicted in **Figure 1**. The site consists of two parcels that total approximately 0.29 acres with a separate single-story commercial building on each parcel. The facility where former dry-cleaning operations were performed is located on the eastern parcel which occupies approximately 1,884 square feet. The building now operates as a drop off location. The second building, located on the western parcel, houses a conventional laundromat operations and office space, and occupies approximately 4,250 square feet. The parcel boundaries bisect the location of a previous building, at which dry cleaning operations as well as coin operated laundry operations were historically conducted. Both current Site buildings are slab on grade with the remainder of the property covered by paved asphalt driveway and gravel parking area. A portion of the parking lot between the two current Site buildings is unpaved gravel. The Site is bound by West Wisconsin Street and the Portage Canal to the north; East Wisconsin Street and commercial buildings to the east; commercial properties to the west; Warren Street and commercial buildings to the southeast; and West Mullet Street and a single family residential home to the south. Utilities noted during the Site reconnaissance include water, sewer, natural gas, telephone, and electrical lines. The general layout of the Site and surrounding area, including Site features, is depicted on **Figure 2**.

2.0 SITE BACKGROUND

2.1 Site History

The Site operated as a dry cleaner from the 1970s to approximately 1996. During that time, PCE was utilized during dry cleaning operations. The Site consists of two slab-on-grade commercial buildings. A third building was located between the east and west buildings, which historically operated as a dry cleaning facility and then a coin operated laundromat until it was destroyed by fire in 1990. The east building also performed dry cleaning operations but is currently utilized as a customer drop-off location. The west building is utilized as a laundry facility and offices. Dry cleaning machines were located in the north portion of the central building, and two (2) obsolete dry cleaning machines remain on-Site within the east building (labeled "FDCM" and "DCM" on **Figure 2**).

2.2 Geographic Information

The Site is located in the northeast ¼ of the northwest ¼ of Section 08, Township 12 North, Range 09 East; WDNR WTM coordinates 43.538308 latitude, -89.4585759 longitude. The topography at the Site is generally flat. The Portage Canal located approximately 74 feet to the north, and the Wisconsin River located approximately 434 feet to the south of the Site. The Wisconsin River is bound by a slight ridge that runs parallel to the river. Areas directly north, east and south are generally flat relative to the Site with the exception of the Portage Canal.

2.3 Regional Geologic and Hydrogeologic Setting

Unconsolidated fluvial sediment overlies bedrock in central Wisconsin. Cambrian Sandstone is expected to be encountered at 150 to 200 feet (ft) below ground surface (bgs).

Locally, groundwater is not used as a drinking water source. The groundwater is encountered at depths ranging from approximately 6.32 to 9.49 ft bgs at the Site. The direction of shallow groundwater flow is toward the northeast.

2.4 Summary of Response Activities

A Phase II Environmental Site Investigation was completed in July 2003 by the Wisconsin Department of Transportation (WisDOT) as part of a project related to the Portage Canal. PCE

and TCE were detected in soil at two (2) soil boring locations. PCE and TCE were also detected at one (1) grab-groundwater location.

Between October 2003 and June 2007, MSA Professional Services, Inc. (MSA) advanced nine (9) soil borings to facilitate soil and grab-groundwater collection. Subsequently, nine (9) water table monitoring wells and two (2) piezometers were installed to facilitate groundwater sampling. Additionally, four (4) rounds of groundwater sampling were conducted by MSA between 2003 and 2007. Investigation activities identified soil and groundwater impacts on- and off-Site exceeding Wisconsin Department of Natural Resources (WDNR) standards.

In response to the WDNR requirements for additional investigation, EnviroForensics mobilized to the Site on several occasions between August and December 2017 to perform additional site investigation activities including:

- Subsurface utility survey;
- Direct-push soil borings to facilitate soil and groundwater sample collection;
- Groundwater monitoring from the existing well network;
- In-situ permeability testing; and
- Vapor intrusion (VI) assessments at the adjacent Site building and one (1) off-Site residence (105 Warren Street).

3.0 INVESTIGATION SCOPE AND METHODS

Site investigation activities included sampling and analysis of subsurface media as well as on-Site and off-Site VI assessments. The following is a comprehensive list of site investigative data collection activities conducted by EnviroForensics:

- Identified and confirmed the subsurface utility layout;
- Advanced 11 direct-push soil borings (B-1 through B-11);
- Collected 15 soil samples for analysis of volatile organic compounds (VOCs);
- Collected 12 grab groundwater samples from select soil borings for analysis of VOCs;
- Surveyed Site features and investigative sample locations;
- Conducted one (1) groundwater monitoring event which included groundwater elevation measurements and sample collection from 10 water table wells and two (2) piezometers for analysis of VOCs;
- Performed in-situ permeability testing at two (2) water table monitoring wells and two (2) piezometers; and
- Conducted VI assessments at the Site and one (1) off-Site residential building (105 Warren Street).

Additionally, EnviroForensics conducted an assessment of historical information in order to determine any potential source(s) of VOC impacts discovered during site investigation activities.

3.1 Soil Borings and Sample Collection

Soil borings were advanced using direct-push methods to provide data on the subsurface conditions and potential contaminant migration pathways. EnviroForensics personnel directed all field activities, prepared boring logs and other field documentation, and containerized all samples for analyses. Field screening of soil for organic vapors was performed using a photo-ionization detector (PID). Screening was conducted at approximately two-foot depth intervals. Soil borings were continuously logged in accordance with the United Soil Classification System (USCS). Soil boring logs are presented in **Appendix A**.

3.1.1 Direct-Push Borings

EnviroForensics retained a drilling contractor to advance direct-push soil borings using a GeoProbe ® rig. Eleven direct-push borings (B-1 through B-11 on **Figure 3**) were advanced to

log lithology and collect samples. Borings B-1 through B-7 and B-9 through B-11 were advanced to depths of 15 to 16 ft bgs to understand potential vertical and horizontal migration of contaminants. Boring B-8 was advanced to 40 ft bgs to define the vertical extent of impacts. Soil cores were collected in 5-ft length vinyl acetate plastic sample sleeves, decontamination of the sample probe occurred between each sample, and the push rods were decontaminated between each borehole. The following 15 soil samples were retained for laboratory analysis as follows:

- One (1) soil sample was collected from borings B-2, B-3, B-4, B-5, and B-7.
- Two (2) soil samples were collected from borings B-1, B-6, B-9 and B-11.
- Three (3) soil samples were collected from boring B-10

Additional samples were collected to delineate previously identified impacts.

Fifteen soil samples were placed in a cooler on ice and submitted to a state-certified laboratory under chain-of-custody for analysis of VOCs using EPA Method 8260. Following soil sampling activities each borehole was backfilled with hydrated bentonite chips and topped off with asphalt, concrete, or topsoil to match the existing surface (refer to Borehole Abandonment Forms in **Appendix A**).

3.2 Grab Groundwater Sampling

New boreholes were advanced to facilitate the collection of grab groundwater samples. Samples were collected from direct-push borings B-1 through B-11 (see **Figure 3**). Each grab groundwater sample was collected from direct-push rods. The probe was advanced to the desired depth; the rods were then retracted, exposing a 4 ft screen for sampling. A grab groundwater sample was collected from each sampling location after purging approximately three (3) borehole volumes of groundwater using a peristaltic pump. The following groundwater samples were collected for laboratory analysis:

- One (1) grab-groundwater sample was collected from the bottom of borings B-1 through B-7 and B-10
- Four (4) grab-groundwater samples were collected from boring B-8 at depths 20-24 ft bgs, 25-29 ft bgs, 30-34 ft bgs, and 36-40 ft bgs.

The grab groundwater samples were collected directly into laboratory-supplied 40-milliliter (mL)

sample vials with a hydrochloric acid preservative. Twelve grab-groundwater samples were placed in a cooler on ice, and submitted to a state-certified laboratory under chain-of-custody protocol for analysis of VOCs according to EPA Test Method 8260.

Following grab-groundwater sampling activities, all boreholes were backfilled with hydrated bentonite chips and topped off with asphalt, concrete, or topsoil to match the existing surface (refer to Borehole Abandonment Forms in **Appendix A**).

3.3 Groundwater Monitoring

A groundwater monitoring event was performed on October 4, 2017 to confirm groundwater concentrations. During the sampling event, all existing monitoring wells (with the exception of MW-6 and MW-8) were gauged for depth to water to determine groundwater flow direction. MW-6 and MW-8 were not located during the initial sampling event due to burial in the gravel parking lot; however, they were found and sampled on November 13, 2017.

Prior to sampling, the depth to water in each well was measured to the nearest 0.01 of a foot using an electronic water level indicator. Groundwater purging and sampling was conducted using a submersible pneumatic bladder pump. The pump was deployed to extract water from the screen portion of each well and transport it into a flow-through cell apparatus at the surface. A multi-parameter field instrument was utilized to collect water quality measurements of water in the flow through cell. The instrument measured groundwater geochemical parameters such as pH, oxidation-reduction potential (ORP), specific conductivity, temperature, turbidity, and dissolved oxygen. Water quality parameters were monitored during purging to verify stabilization prior to groundwater sample collection. The instrument probes were calibrated prior to use. Data collected during the sampling activities was documented on the field sampling forms presented in **Appendix B**.

Groundwater samples were transferred directly into laboratory-provided containers and placed into a cooler containing ice. Samples were submitted under appropriate chain-of-custody procedures to a state-certified laboratory for analysis of VOCs according to U.S. EPA SW Method 8260. Duplicate and equipment blank samples were collected at a frequency of one (1) sample per ten (10) investigative samples during each monitoring event for quality assurance/quality control (QA/QC) purposes.

3.4 IDM Management

Investigation-derived media (IDM) generated during the investigation activities included soil cuttings, groundwater, and de minimis amounts of decontamination fluids. The IDM was containerized in 55-gallon drums and staged on-site. A waste hauler will remove the IDM for disposal.

3.5 In-Situ Permeability Testing

Slug testing was performed to evaluate the hydraulic conductivity of the aquifer. EnviroForensics performed slug testing at four (4) monitoring wells (MW-4, MW-4P, MW-10, and MW-10P) with screens at various depth intervals to assess potential variability in the hydraulic conductivity both vertically and horizontally.

EnviroForensics utilized industry standard solid slug techniques for the testing at each well. A standard pressure transducer with internal data logger records changes in water level during the slug tests.

The slug test procedures are as follows:

- Initial water levels were measured in each monitoring well before placing the pressure transducer;
- The pressure transducer was placed 6 inches above the well bottom;
- The data logger was programmed to record the water level changes over time;
- Once the logger has started recording, a falling head test was performed. A solid slug was lowered into the water column and water levels were then allowed to return to static conditions;
- Prior to starting the second slug test, the data was saved; and
- The logger was re-started and a rising head test was performed by removing the solid slug from the water column. Water levels were then allowed to return to static conditions.

The field slug test data was analyzed using AQTESOLV® software to determine the hydraulic conductivity of the aquifer material. Slug test analysis reports can be found in **Appendix C**.

3.6 Surveying

Land surveying of the property and monitoring well locations was performed by Surveying Associates, Inc. of Wauwatosa, Wisconsin, under contract to EnviroForensics. Survey coordinates referenced the state plane coordinate system and mean sea level. Survey data are summarized on the Site Survey Map, a copy of which is provided in **Appendix D**.

3.7 Vapor Intrusion Assessments

Vapor Intrusion (VI) assessments were performed at 109 West Mullet Street (commercial) on August 7, 2017 and January 23, 2018, and 105 Warren St. (residential) on September 6-7, 2017 and December 5-6. 2017. Sampling locations are shown in **Figure 3**.

Sub-slab vapor samples were collected from beneath the Site building (109 W. Mullet St.) on the western parcel to assess the possibility of a vapor intrusion risk. Indoor air samples were not collected because the building is frequently open to the outdoor due to laundry deliveries and the presence of spotting agents that could cause false positives.

In accordance with the WDNR recommendations, indoor air samples were "paired" with sub-slab vapor samples at the residential property (105 Warren St.). Immediately following the collection of the indoor air samples, sub-slab vapor samples were collected from beneath the basement floor. This sampling order eliminated the possibility of sub-slab vapors being released during the installation of the sub-slab sampling port and affecting the indoor air sample results. The sub-slab vapor and indoor air sampling procedures are described in the following sections.

3.7.1 Indoor Air Sampling

Prior to sampling activities, an inspection of the residential property was conducted to identify and inventory materials that could potentially contribute to indoor air conditions, unrelated to VI issues. Any suspect items identified during the inspection were listed on a pre-sampling inspection form for later reference. A visual inspection was also conducted for cracks or other penetrations in basement concrete floors (i.e. floor drains, sumps, etc.) that could be direct conduits for impacted vapors to migrate into the occupied space. A representative of the home was also interviewed regarding the types of activities conducted on a routine basis, and the number and age of people that regularly occupied the space. The results of all pre-sampling

inspection activities were recorded on the pre-sampling inspection forms for reference during the evaluation of analytical data.

Indoor air samples were collected according to the procedures and requirements described in the WDNR Publication RR-800: *Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin*. The samples were collected from the breathable space (3-5 feet above the floor). A corresponding ambient air sample was collected from an outdoor location upwind of the buildings. The samples were collected using 6-Liter vacuum canisters, regulated to withdraw a time-integrated sample over a 24-hour time period. All vacuum canisters were individually-certified by the laboratory for quality assurance purposes.

Initial and final pressure readings were collected from each vacuum canister and recorded on Indoor Air Field Sampling Forms, along with all other required information. Data from the nearest fixed weather station was accessed to evaluate possible effects on the sampling results during the 24-hour sampling period. Weather data included: temperature, wind speed, wind direction, humidity, barometric pressure, and rainfall. Field sampling forms are presented in **Appendix E**.

Sample canisters were submitted to a laboratory for analysis of VOCs via EPA Method TO-15. All samples were shipped via courier under appropriate chain-of-custody procedures.

3.7.2 Sub-Slab Vapor Sampling

Sub-slab vapor sampling ports were installed by drilling a counter-sunk hole through the concrete slab using an electric hammer drill. Stainless steel Vapor Pin™ ports were fitted with a silicon sleeve to provide a mechanical seal between the sample point and the slab and then installed using a dead blow hammer. The ports were capped until sampling.

To ensure the sub-slab vapor samples were representative of subsurface vapor conditions, leak testing was performed per methods presented in the WDNR Publication RR-800. The integrity of each sample port was tested by utilizing the water dam method. The integrity of each sample line was tested prior to sampling using a hand pump with a pressure gauge. A negative pressure of at least -15 inH_20 was added to the line and observed for 60 seconds for changes. If no change in water height or in pressure was observed, the sample port and line were considered to be intact.

The sub-slab vapor samples were collected in laboratory batch-certified one-liter sample vacuum canisters. The vacuum canisters were fitted with regulators to restrict the flow rate to approximately 200 milliliters per minute (mL/min). Compression fittings and new Teflon®-lined polyethylene tubing connected the vacuum canisters to each vapor port. The tubing was purged of all ambient air using a hand pump prior to initiating sub-slab vapor sampling. Initial and final pressure readings were collected from the vacuum canisters and recorded on the Field Sampling Forms, along with all other required information. Sub-slab vapor field sampling data forms are presented in **Appendix E**.

Sub-slab vapor samples were submitted to a laboratory for analysis of VOCs according to EPA Method TO-15. The samples were shipped via courier under appropriate chain-of-custody procedures.

4.0 INVESTIGATION RESULTS

4.1 Site Geology and Hydrogeology

The lithological sequence encountered at the investigative locations was generally consistent across the Site. Silty sand, clayey sand and well graded sand was encountered beneath surficial fill materials from 2 to 40 feet bgs. Based on the lithology observed during soil boring activities; the sand unit readily produces water which is typical for the Site and surrounding area. The soil boring logs are presented in **Appendix A**, a cross-section transect are presented on **Figure 4,** and cross sections A-A' and B-B' are presented on **Figure 4A** and **Figure 4B**, respectively.

Monitoring well construction information can be found on **Table 1** and groundwater elevation data are summarized in **Table 2**. The static water level ranges from approximately 6.32 to 9.49 feet bgs at the Site. A groundwater potentiometric surface contour map is presented on **Figure 5**. The groundwater flow direction is toward the northeast. The hydraulic gradient calculated between monitoring wells MW-5 and MW-11 was 0.05.

The results of slug testing indicate that the hydraulic conductivity (K) values of shallow saturated soil range from 1.037×10^{-3} centimeters per second (cm/sec) in MW-10 to 1.777×10^{-3} cm/sec in MW-4. The mean hydraulic conductivity calculated for tests conducted in MW-4 and MW-10 was 1.444×10^{-3} cm/sec. The results of slug testing indicate that the K values of deeper saturated soil range from 2.58×10^{-2} centimeters per second (cm/sec) in MW-10P to 4.763×10^{-2} cm/sec in MW-4P. The mean K calculated for tests conducted in MW-4P and MW-10P was 3.779×10^{-2} cm/sec. This would indicate that a more permeable soil type exists below the water table, which is consistent with the lithologic sequence observed at the Site.

The flow velocity (v) for shallow groundwater can be calculated using the above values for hydraulic conductivity and hydraulic gradient as: $v = KI/n$, where n = the effective porosity of the soil. The value n is estimated for this type of soil at 35%. Using the mean K value for water table wells of 1.444×10^{-3} cm/sec, the groundwater flow velocity across the Site is approximately 2.06×10^{-4} cm/sec or 213 feet/year. Slug test analysis reports can be found in **Appendix C**.

4.2 Soil Analytical Results

The soil analytical results are summarized and compared to WDNR's Residual Contaminant Levels (RCLs) on **Table 3**. The results are illustrated on **Figure 6**, and the laboratory reports related to the soil samples are provided in **Appendix F**.

Soil samples collected from borings B-9 through B-11 contained concentrations of PCE and/or breakdown products above the Non-Industrial RCLs. Soil samples collected from borings B-1 and B-7 contained concentrations of PCE and/or breakdown products above the soil to groundwater RCLs. The soil sample collected from 7-10 ft bgs at B-10 contained bromodichloromethane and chloroform at concentrations exceeding the Industrial RCL; however, these compounds are unrelated the dry cleaning process. No other samples contained detectable VOCs.

4.3 Grab Groundwater Analytical Results

The grab-groundwater analytical results are summarized and compared to WDNR's groundwater standards on **Table 4**. The results are illustrated on **Figure 7**, and the laboratory reports related to the soil samples are provided in **Appendix F**.

Grab-groundwater samples collected from borings B-7 and B-10, contained concentrations of PCE and/or vinyl chlorides above the WDNRs' Public Health Enforcement Standard (ES). The grab-groundwater sample collected from 20-24 ft bgs in B-8 contained concentrations of PCE and breakdown products above the preventive action limits (PALs). No other samples contained detectable VOCs.

4.4 Monitoring Well Sample Analytical Results

The groundwater analytical results are summarized and compared to WDNR's groundwater standards on **Table 5**. The results are illustrated on **Figure 8**, and the laboratory reports related to the groundwater samples are provided in **Appendix F**.

Samples collected from monitoring wells MW-1, MW-3 through MW-5, MW-9 and MW-10 contained PCE at concentrations exceeding the ES of 5 micrograms per Liter (µg/L). The sample collected from MW-9 also contained trichloroethene (TCE) at a concentration exceeding the ES of 5 µg/L. The sample collected from MW-2 contained PCE at a concentration exceeding

the PAL of 0.5 µg/L. Samples collected from MW-3, MW4, MW-5, MW-6 and MW-10 contained TCE at concentrations exceeding the PAL of 0.5 µg/L.

Additionally, samples collected from MW-1 and MW-4 contained chloroform at concentrations exceeding the ES of 6 µg/L; however, this compound is unrelated to the dry cleaning process.

4.5 Vapor Intrusion Assessment Results

VI assessment results associated with the Site and neighboring building are presented in the following sections. Indoor air contaminant concentrations are compared to Vapor Action Levels (VALs) calculated according to the procedures described in WDNRs' Publication RR-800. Sub-slab vapor contaminant concentrations are compared to WDNRs' Vapor Risk Screening Levels (VRSLs), which are based on the indoor air VALs with an attenuation factor of 0.03. The vapor intrusion analytical results are summarized and compared to WDNRs' standards on **Table 6**. The results are illustrated on **Figure 9**, and the laboratory reports related to the indoor/outdoor air and sub-slab vapor samples are provided in **Appendix G**.

4.5.1 109 West Mullet Street

Two rounds of sub-slab sampling were conducted at 109 West Mullet Street. During each round, three (3) sub-slab vapor samples designated 6493-109-SSV-1, 6493-109-SSV-2 and 6493-109-SSV-3 were collected from three separate locations beneath the building.

As shown on **Table 6**, on August 7, 2017, all sub-slab samples contained concentrations of PCE below the small commercial residential VRSLs. However, on January 23, 2018, sub-slab vapor samples SSV-1 and SSV2 contained PCE at concentrations exceeding the small commercial residential VRSLs.

4.5.2 105 Warren Street

Two rounds of VI sampling were conducted at 105 Warren Street. During each round, two (2) indoor air, one (1) outdoor air and one (1) sub-slab vapor sample were collected from the property. The indoor air samples designated 6493-105 Warren St-IA-B and 6493-105 Warren St-IA-1 were collected from the basement and first floor, respectively. One (1) sub-slab vapor sample designated 6493-105 Warren St-SSV-1 was collected from beneath the basement floor.

As shown on **Table 6**, the sub-slab vapor samples contained PCE, but at concentrations well below the residential VRSL. During the first sampling event, sample 6493-105 Warren St-IA-B and 6493-105 Warren St-IA-1 contained TCE at concentrations of 55.3 micrograms per cubic meter (µg/m^3) and 76.4 µg/m^3, respectively, which exceed the VAL of 2.1 µg/m^3. However, during the second event, all indoor air samples were below laboratory detection limits.

Although the indoor air samples exceed the VAL during the first event, the low concentrations detected in the sub-slab samples indicate that VI is not occurring. In addition to the VI assessment, a further evaluation of the cleaning products and historical chemicals stored at the residence was performed. A photo-ionization detector was also utilized to identify potential sources (such as floor and wall cracks, drains, unlabeled chemicals etc.) for TCE. The indoor air exceedances are likely due to an indoor air source; however; a specific source could not be identified. Prior to the second sampling event the owner cleaned out the home leaving no potential background sources.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The presence of PCE and TCE in soil and groundwater on and off-site Site exceed WDNR health-based standards and screening levels. The site investigation data indicate that the source of contamination is from un-documented, and likely incidental releases of PCE which occurred in the vicinity of the dry cleaning machine and outdoor storage. A sub-surface utility corridor likely acted as a transport mechanism. De-minimis releases of chlorinated solvents during general operations and storage appear to be the primary source of contamination at the Site until dry cleaning operations ceased in the early-1990s.

The primary compounds of concern are PCE and associated degradation products. The extent of soil contamination in subsurface media has not been adequately defined. The apparent soil source area is under the current and former Site buildings in the vicinity of the former dry cleaning machines. Direct-contact exposure to soil is currently prevented by surface cover materials (i.e. asphalt, concrete and buildings).

The contaminant plume in groundwater has not been fully defined but likely extends northeast approximately 200 feet in the direction of groundwater flow. The affected groundwater is not used as a potable resource nor is it adequate to support use for agriculture. Groundwater monitoring data indicate the plume is stable or decreasing. PCE degradation products in groundwater samples demonstrate that reductive dechlorination processes are naturally occurring.

Vapor intrusion has been ruled out at the Site building and one (1) off-site residence, and mitigation is therefore not necessary. However, additional VI assessments are needed at other off-site properties based on the screening criteria established by the WDNR.

EnviroForensics proposes to develop a scope of work for additional site investigation work. The scope of work will likely include the following:

1 Install one monitoring wells at the B-1 location as a down gradient sentinel well;
2 Quarterly monitoring to confirm current groundwater trends;
3 Additional vapor intrusion assessments at 109 W. Mullet Street to verify concentrations; and
4 Develop a Remedial Action Options Report.

TABLES

TABLE 1
MONITORING WELL CONSTRUCTION DETAILS
Portage Cleaners
104 W. Wisconsin St., Portage, WI 43901

Well ID	Date Installed	Consultant	Well Diameter (inches)	Northing	Easting	Ground Elevation (feet AMSL)	TOC Elevation (feet AMSL)	Top Screen Elevation (feet AMSL)	Bottom Screen Elevation (feet AMSL)	Screened Interval (feet bgs)	Total Depth (feet bgs)
MW-1	6/22/2005	MSA Professional Services	2	393,659.81	537,998.74	791.27	790.47	787.8	777.8	3.5 - 13.5	13.5
MW-2	6/22/2005		2	393,615.34	538,001.64	790.29	789.83	786.4	776.4	3.9 - 13.9	13.9
MW-3	6/22/2005		2	393,693.14	537,942.19	792.07	792.44	787.1	777.1	5.0 - 15.0	15.0
MW-4	6/22/2005		2	393,704.58	537,992.74	792.83	792.38	788.8	778.8	4.0 - 14.0	14.0
MW-4P	6/22/2005		2	393,704.45	537,995.38	792.84	792.33	767.8	762.8	25.0 - 30.0	30.0
MW-5	6/23/2005		2	393,735.33	537,928.40	793.28	792.98	788.4	778.4	4.9 - 14.9	14.9
MW-6	6/23/2005		2	393,704.64	537,908.61	791.88	791.37	787.9	777.9	4.0 - 14.0	14.0
MW-7	6/23/2005		2	393,619.31	537,896.58	790.82	790.25	786.8	776.8	4.0 - 14.0	14.0
MW-8	6/5/2007		2	393,466.47	537,971.57	790.57	790.23	786.6	776.6	4.0 - 14.0	14.0
MW-9	6/5/2007		2	393,693.74	538,201.19	791.80	791.25	786.8	776.8	5.0 - 15.0	15.0
MW-10	6/5/2007		2	393,772.15	538,068.04	792.68	792.25	786.7	776.7	6.0 - 16.0	16.0
MW-10P	6/5/2007		2	393,774.93	538,066.65	792.62	792.05	767.6	762.6	25.0 - 30.0	30.0

Notes:

Coordinates are referenced to Wisconsin State Plane, NAD 27, Southern Zone

AMSL = above mean sea level

bgs = below ground surface

NA = Not Available

TOC = top of casing

TABLE 2
GROUNDWATER ELEVATION DATA
Portage Cleaners
104 W. Wisconsin St., Portage, WI 43901

Well ID	Date	TOC Elevation (AMSL)	Depth to Water (feet below TOC)	Groundwater Elevation (AMSL)
MW-1	6/23/2005	790.47	7.23	783.24
	6/24/2005		7.31	783.16
	7/14/2005		8.00	782.47
	10/20/2005		8.11	782.36
	6/5/2007		7.48	782.99
	7/6/2007		8.00	782.47
	10/30/2007		7.18	783.29
	10/4/2017		7.51	782.96
MW-2	6/23/2005	789.83	6.09	783.74
	6/24/2005		6.17	783.66
	7/14/2005		6.88	782.95
	10/20/2005		6.98	782.85
	6/5/2007		6.31	783.52
	7/6/2007		6.86	782.97
	10/30/2007		6.01	783.82
	10/4/2017		6.32	783.51
MW-3	6/24/2005	792.44	8.45	783.99
	7/14/2005		9.10	783.34
	10/20/2005		9.21	783.23
	6/5/2007		8.61	783.83
	7/6/2007		9.11	783.33
	10/30/2007		8.27	784.17
	10/4/2017		8.60	783.84
MW-4	6/24/2005	792.38	8.77	783.61
	7/14/2005		9.43	782.95
	10/20/2005		9.54	782.84
	6/5/2007		8.92	783.46
	7/6/2007		9.43	782.95
	10/30/2007		8.58	783.80
	10/4/2017		8.86	783.52
MW-4P	6/24/2005	792.33	8.85	783.48
	7/14/2005		9.38	782.95
	10/20/2005		9.52	782.81
	6/5/2007		8.86	783.47
	7/6/2007		9.33	783.00
	10/30/2007		8.69	783.64
	10/4/2017		8.82	783.51
MW-5	6/24/2005	792.98	9.41	783.57
	7/14/2005		10.02	782.96
	10/20/2005		10.16	782.82
	6/5/2007		9.57	783.41
	7/6/2007		10.05	782.93
	10/30/2007		9.33	783.65
	10/4/2017		9.49	783.49
MW-6	6/24/2005	791.37	7.77	783.60
	7/14/2005		8.42	782.95
	10/20/2005		8.53	782.84
	6/6/2007		7.88	783.49
	7/6/2007		8.45	782.92
	10/30/2007		7.58	783.79
	11/13/2017		7.92	783.45
MW-7	6/24/2005	790.25	6.60	783.65
	7/14/2005		7.30	782.95
	10/20/2005		7.39	782.86
	6/5/2007		6.76	783.49
	7/6/2007		7.29	782.96
	10/30/2007		6.41	783.84
	10/4/2017		6.79	783.46
MW-8	6/5/2007	790.17	6.61	783.56
	6/6/2007		6.50	783.67
	7/6/2007		7.25	782.92
	10/30/2007		6.31	783.86
	11/13/2017		6.29	783.88
MW-9	6/5/2007	791.25	7.83	783.42
	6/6/2007		7.79	783.46
	7/6/2007		8.24	783.01
	10/30/2007		7.59	783.66
	10/4/2017		7.81	783.44
MW-10	6/5/2007	792.25	8.91	783.34
	6/6/2007		8.88	783.37
	7/6/2007		9.35	782.90
	10/30/2007		8.60	783.65
	10/4/2017		8.79	783.46
MW-10P	6/5/2007	792.05	9.13	782.92
	6/6/2007		9.00	783.05
	7/6/2007		9.37	782.68
	10/30/2007		8.86	783.19
	10/4/2017		8.76	783.29

TOC = Top of Casing
Based on survey completed November 21, 2017 by Surveying Associates, Inc.
AMSL = above mean sea level

TABLE 3
SOIL ANALYTICAL RESULTS
Portage Cleaners
104 W. Wisconsin St., Portage, WI 43901

Consultant	Boring Identification	Sample Depth (feet bgs)	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
				VOCs (µg/kg)				
Residual Contaminant Level - Industrial				**145,000**	**8,410**	**2,340,000**	**1,850,000**	**2,080**
Residual Contaminant Level - Non Industrial				**33,000**	**1,300**	**156,000**	**1,560,000**	**67**
Residual Contaminant Level - Soil to Groundwater				**4.5**	**3.6**	**41.2**	**62.6**	**0.1**
MSA Professional Services	GP1A	0-4	10/28/2003	**260**	**15**	<7.3	<9.4	<9.4
	GP1D	4-8	10/28/2003	**1,600**	<9.4	<9.4	<12	<12
	GP2	4-8	10/28/2003	**140**	<7.7	<7.7	<9.9	<9.9
	GP3	4-8	10/28/2003	<11	<7.7	<7.7	<9.9	<9.9
	GP4	0-4	10/28/2003	**7,200**	<7.6	<7.6	<9.8	<9.8
	GP5	4-8	10/28/2003	<11	<7.5	<7.5	<9.7	<9.7
	GP6	4-8	10/28/2003	**41,000**	**42**	<9.3	<12	<12
	GP7	4-8	10/28/2003	**2,400**	<23	<17	<14	<17
	GP8	5-7	10/28/2003	**930**	<20	<15	<21	<15
	GP9	6-8	10/28/2003	**2,200**	<19	<14	<20	<14
	MW-2	4-6	6/22/2005	<19	<22	<16	<24	<16
	MW-3	6-8	6/23/2005	**1,800**	<18	<13	<19	<13
	MW-5	6-8	6/23/2005	**43,000**	**110**	<15	<22	<15
	MW-6	5-7	6/23/2005	**1,000**	**72**	<14	<20	<14
	MW-7	5-7	6/23/2005	<16	<19	<14	<20	<14
	MW-8	5-7	6/5/2007	<9.6	<12	<8.5	<18	<9.6
	MW-9	6-8	6/5/2007	<11	<13	<9.8	<21	<11
	MW-10	8-9	6/5/2007	<10	<12	<9.0	<19	<10
EnviroForensics	B-1	1-3	8/7/2017	**36 J**	<41	<32	<28	<19
		10-12	8/7/2017	<32	<41	<32	<28	<19
	B-2	2-4	8/7/2017	<32	<41	<32	<28	<19
	B-3	12-13	8/7/2017	<32	<41	<32	<28	<19
	B-4	4-6	8/7/2017	<32	<41	<32	<28	<19
	B-5	4-6	8/7/2017	<32	<41	<32	<28	<19
	B-6	4-5	8/7/2017	<32	<41	<32	<28	<19
		11-13	8/7/2017	<32	<41	<32	<28	<19
	B-7	2-4	8/7/2017	**295**	<41	<32	<28	<19
	B-9	2-4	8/7/2017	**142,000**	**760**	**430**	<28	<19
		6-8	8/7/2017	**2,860**	<41	<32	<28	<19
	B-10	1-2	8/7/2017	**22,300**	<41	<32	<28	<19
		4-6	8/7/2017	**108,000**	**470**	<32	<28	<19
	B-11	4-5	8/7/2017	**51,000**	**106 J**	<32	<28	<19
		8-10	8/7/2017	**49,000**	**124 J**	<32	<28	<19

Notes:

Updated with WDNR's March 2017 Remediation Redevelopment Program RCL spreadsheet

All concentrations reported in units of micrograms per kilogram (µg/kg)

Samples analyzed using EPA SW-846 Method 8260

Bolded and Shaded green values exceed the WDNR generic Residential Residual Contaminant Levels

Bolded and Shaded blue values exceed the WDNR generic Soil to Groundwater Residual Contaminant Levels

Bolded values are above detection limits

VOCs = Volatile Organic Compounds

J = Concentration is less than the reporting limit but greater than the method detection limit.

NA - Not Analyzed

TABLE 4
GRAB GROUNDWATER ANALYTICAL RESULTS
Portage Cleaners
104 W. Wisconsin St., Portage, WI 43901

Consultant	Sample Location	Depth (ft)	Date Sampled	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
Enforcement Standard				**5**	**5**	**70**	**100**	**0.2**
Preventive Action Limit				**0.5**	**0.5**	**7**	**20**	**0.02**
MSA Professional Services	GP-1D	12	10/28/2003	**3.1**	<0.40	<0.30	<0.40	<0.40
	GP-2	12	10/28/2003	**53**	**13**	**4.8**	<0.40	**0.8**
	GP-3	12	10/28/2003	**4**	**0.40**	<0.13	<0.28	<0.40
	GP-4	12	10/28/2003	**450**	**3.7**	<0.30	<0.40	<0.40
	GP-5	12	10/28/2003	**5.4**	**0.53**	<0.30	<0.40	<0.40
	GP-6	12	10/28/2003	**850**	**3.7**	<0.30	<0.40	<0.40
EnviroForensics	B-1	5-10	8/7/2017	<0.48	<0.45	<0.41	<0.35	<0.19
	B-2	5-10	8/7/2017	<0.48	<0.45	<0.41	<0.35	<0.19
	B-3	5-10	8/7/2017	<0.48	<0.45	<0.41	<0.35	<0.19
	B-4	5-10	8/7/2017	<0.48	<0.45	<0.41	<0.35	<0.19
	B-5	5-10	8/7/2017	<0.48	<0.45	<0.41	<0.35	<0.19
	B-6	5-10	8/7/2017	<0.48	<0.45	<0.41	<0.35	<0.19
	B-7	5-10	8/7/2017	**25.4**	**4.1**	**2.43**	<0.35	**1.14**
	B-8	20-24	8/7/2017	**3.5**	**1.89**	<0.41	<0.35	<0.19
		25-29	8/7/2017	<0.48	<0.45	<0.41	<0.35	<0.19
		30-34	8/7/2017	<0.48	<0.45	<0.41	<0.35	<0.19
		36-40	8/7/2017	<0.48	<0.45	<0.41	<0.35	<0.19
	B-10	7-12	8/7/2017	**104**	**0.48 J**	<0.41	<0.35	<0.19

Notes:

µg/L = micrograms per liter

Samples analyzed using EPA SW-846 Method 8260

VOCs = Volatile Organic Compounds

Bolded and **orange shaded** values are above Public Health Enforcement Standard

Bolded and **blue shaded** values are above Public Health Preventive Action Limit

Bolded values are above detection limits

Samples/constiuents not shown are below laboratory reporting limits

J = Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit

TABLE 5
MONITORING WELL SAMPLE ANALYTICAL RESULTS
Portage Cleaners
104 W. Wisconsin St., Portage, WI 43901

Monitoring Well Sample ID	Date Sampled	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride	Chloromethane	Chloroethane	Chloroform	Dichlorodifluoromethane	Methylene Chloride	Bromodichloromethane
		VOCs (µg/L)										
Enforcement Standard		**5**	**5**	**70**	**100**	**0.2**	**30**	**400**	**6**	**NE**	**5**	**0.6**
Preventive Action Limit		**0.5**	**0.5**	**7**	**20**	**0.02**	**3**	**80**	**0.6**	**NE**	**0.5**	**0.06**
MW-1	7/14/2005	**160**	**1.6**	<3.0	<3.0	<0.60	<1.2	ND	<2.5	<3.0	**15**	<0.31
	10/20/2005	**110**	**2.2**	<3.0	<3.0	<0.60	<1.2	ND	<0.50	<0.660	<2.0	<0.31
	7/6/2007	**45**	**0.44**	<0.40	<0.50	<0.15	<0.30	ND	<0.22	<0.40	<0.50	<0.31
	10/30/2007	**230**	**2.6**	<4.0	<5.0	<1.5	<3.0	**5.9**	<2.2	<4.0	<5.0	<0.31
	10/4/2017	**30.1**	<0.45	<0.41	<0.35	<0.19	<1.3	<0.5	**7.6**	<0.38	<0.94	**4.9**
MW-2	7/14/2005	**2.6**	<0.15	<0.60	<0.60	<0.12	<0.24	ND	<2.5	<0.60	<0.40	<0.31
	10/20/2005	**11**	**0.76**	<0.60	<0.60	<0.12	<0.24	ND	<0.50	<0.60	<0.40	<0.31
	7/6/2007	**3.9**	<0.15	<0.40	<0.50	<0.15	<0.30	ND	<0.22	<0.40	<0.50	<0.31
	10/30/2007	**3.4**	<0.15	<0.40	<0.50	<0.15	**0.44**	<0.5	<0.96	<0.40	<0.50	<0.31
	10/4/2017	**4.2**	<0.45	<0.41	<0.35	<0.19	<1.3	<0.5	<0.96	<0.38	<0.94	<0.31
MW-3	7/14/2005	**18**	**0.3**	<0.60	<0.60	<0.12	<0.24	ND	<0.50	<0.60	<0.40	<0.31
	10/20/2005	**55**	**1.9**	<1.2	<1.2	<0.24	<0.48	ND	<1.0	<1.2	<0.8	<0.31
	7/6/2007	**46**	**5.5**	<0.40	<0.50	<0.15	<0.30	ND	<0.22	<0.40	<0.50	<0.31
	10/30/2007	**12**	**5.1**	**1.9**	<0.50	<0.15	**0.34**	<0.40	<0.22	<0.40	<0.50	<0.31
	10/4/2017	**52**	**0.57 J**	<0.41	<0.35	<0.19	<1.3	<0.5	<0.96	<0.38	<0.94	<0.31
MW-4	7/14/2005	**140**	**2..1**	<0.60	<0.60	<0.12	<0.24	ND	<0.50	<0.60	<0.40	<0.31
	10/20/2005	**750**	**26**	<30	<30	<6.0	<12	ND	<25	<30	<20	<0.31
	Dup 10/20/2005	**720**	**35**	<6.0	<6.0	<6.0	<2.4	ND	<5.0	<6.0	**18**	<0.31
	7/6/2007	**56**	**2.2**	<0.40	<0.50	<0.15	<0.30	ND	<0.22	<0.40	<0.50	<0.31
	10/30/2007	**700**	**5.6**	<8.0	<10	<3.0	<6.0	<8.0	<4.4	<8.0	<10	<0.31
	10/4/2017	**194**	**1.03 J**	<0.41	<0.35	<0.19	<1.3	<0.5	**6.1**	<0.38	<0.94	**2.0**
	Dup 10/4/2017	**194**	**0.89 J**	<0.41	<0.35	<0.19	<1.3	<0.5	**5.6**	<0.38	<0.94	**1.98**
MW-4P	7/14/2005	**6.3**	<0.15	<0.60	<0.60	<0.12	<0.24	ND	<0.50	<0.60	<0.40	<0.31
	10/20/2005	**39**	**0.26**	<0.60	<0.60	<0.12	<0.24	ND	<0.50	<0.60	<0.40	<0.31
	7/6/2007	**0.53**	<0.15	<0.40	<0.50	<0.15	<0.30	ND	<0.40	<0.40	<0.50	<0.31
	10/30/2007	**1.6**	<0.15	<0.40	<0.50	<0.15	<0.30	<0.40	<0.40	<0.40	<0.50	<0.31
	10/4/2017	<0.48	<0.45	<0.41	<0.35	<0.19	<1.3	<0.5	<0.96	<0.38	<0.94	<0.31

TABLE 5
MONITORING WELL SAMPLE ANALYTICAL RESULTS
Portage Cleaners
104 W. Wisconsin St., Portage, WI 43901

MW-5	7/14/2005	**87**	**0.71**	<0.60	<0.60	<0.12	<0.24	ND	<0.50	<0.60	<0.40	<0.31
	10/20/2005	**190**	**2.8**	<3.0	<3.0	<0.6	<1.2	ND	<2.5	<3.0	<2.0	<0.31
	7/6/2007	**110**	**0.95**	<0.40	<0.50	<0.15	<0.30	ND	<0.22	<0.40	<0.50	<0.31
	10/30/2007	**300**	**2.3**	<4.0	<5.0	<1.5	<3.0	<4.0	<2.2	<4.0	<5.0	<0.31
	10/4/2017	**60**	**0.68 J**	<0.41	<0.35	<0.19	<1.3	<0.5	<0.96	<0.38	<0.94	<0.31
MW-6	7/14/2005	**2.9**	**0.82**	<0.60	<0.60	**0.76**	<0.24	ND	<0.50	**7.0**	<0.40	<0.31
	Dup 7/14/2005	**1.6**	**0.71**	<0.60	<0.60	**0.41**	<0.24	ND	<0.50	**4.8**	<0.40	<0.31
	10/20/2005	**6.6**	**5.3**	**0.84**	<0.60	**1.2**	<0.24	ND	<0.50	**12**	<0.40	<0.31
	7/6/2007	**19**	**1.8**	**1**	<0.50	0.16	<0.30	ND	<0.22	**2.1**	<0.50	<0.31
	Dup 7/6/2007	**14**	**1.5**	**1.1**	<0.50	<0.15	<0.30	ND	<0.22	**1.1**	<0.50	<0.31
	10/30/2007	**11**	**2.1**	**1.1**	<0.50	<0.15	**0.39**	<0.40	<0.22	**1.8**	<0.50	<0.31
	11/13/2017	**2.55**	**2.93**	**0.93 J**	<0.35	<0.19	<1.3	<0.5	<0.96	**1.97**	<0.94	<0.31
MW-7	7/14/2005	<0.40	<0.15	<0.60	<0.60	<0.12	<0.24	ND	<0.50	<0.60	<0.40	<0.31
	10/20/2005	<0.40	<0.15	<0.60	<0.60	<0.12	<0.24	ND	<0.50	<0.60	<0.40	<0.31
	7/6/2007	**1**	**0.33**	<0.40	<0.50	<0.15	<0.30	ND	<0.22	<0.40	<0.60	<0.31
	10/30/2007	**0.41**	<0.15	<0.40	<0.50	<0.15	**0.56**	<0.40	<0.22	<0.40	<0.60	<0.31
	10/4/2017	**0.68 J**	<0.45	<0.41	<0.35	<0.19	<1.3	<0.5	<0.96	<0.38	<0.94	<0.31
MW-8	7/6/2007	<0.40	<0.15	<0.40	<0.50	<0.15	<0.30	ND	<0.22	<0.40	<0.50	<0.31
	10/30/2007	<0.40	<0.15	<0.40	<0.50	<0.15	**0.5**	<0.40	<0.22	<0.40	<0.50	<0.31
	11/13/2017	<0.48	<0.45	<0.41	<0.35	<0.19	<1.3	<0.5	<0.96	<0.38	<0.94	<0.31
MW-9	7/6/2007	**1,400**	**16**	**150**	<2.5	<0.75	<1.5	ND	<1.1	<2.0	**4.5**	<0.31
	10/30/2007	**1,300**	**22**	**120**	<25	<7.5	<15	<20	<11	<20	<25	<0.31
	Dup 10/30/2007	**1,600**	**23**	**130**	**3.6**	**0.44**	**0.36**	<0.4	<0.22	<0.40	<0.50	<0.31
	10/5/2017	**12.6**	**7.6**	**2.49**	**0.87 J**	<0.19	<1.3	<0.5	<0.96	<0.38	<0.94	<0.31
MW-10	7/6/2007	**33**	**2.9**	**7.9**	<0.50	<0.15	<0.30	ND	<0.22	<0.40	<0.50	<0.31
	10/30/2007	**13**	**4.6**	**9.8**	<0.50	<0.15	**0.5**	<0.40	<0.22	<0.40	<0.50	<0.31
	10/4/2017	**11.3**	**1.3 J**	**5.2**	<0.35	<0.19	<1.3	<0.5	<0.96	<0.38	<0.94	<0.31
MW-10P	7/6/2007	**4.3**	**15**	**24**	**1.5**	<0.15	<0.30	ND	<0.22	<0.40	<0.50	<0.31
	10/30/2007	**3.9**	**17**	**18**	**1.5**	<0.15	<0.30	<0.40	<0.22	<0.40	<0.50	<0.31
	10/4/2017	**0.48 J**	<0.45	**4.0**	<0.35	<0.19	<1.3	<0.5	<0.96	<0.38	<0.94	<0.31

Notes:

µg/L = micrograms per liter

Samples analyzed using EPA SW-846 Method 8260

VOCs = Volatile Organic Compounds

Bolded and orange shaded values are above Public Health Enforcement Standard

Bolded and blue shaded values are above Public Health Preventive Action Limit

Bolded values are above detection limits

Samples/constiuents not shown are below laboratory reporting limits

J = Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit

NE = Not Established

ND = Not Detected

TABLE 6
VAPOR INTRUSION ASSESSMENT ANALYTICAL RESULTS
Portage Cleaners
104 W. Wisconsin St
Portage, WI 53901

Sample Address	Sample Identification	Sample Date	Applicable Criteria	Mitigation	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
INDOOR/OUTDOOR AIR									
Residential Vapor Action Limit[2]					**42**	**2.1**	**NE**	**NE**	**1.7**
105 Warren St.	6493-105 Warren St-IA-B	09/07/17	Residential	No	<3.19	**55.3**	<19.8	<39.6	<1.28
		12/06/17			<3.19	<1.07	<19.8	<39.6	<1.28
	6493-105 Warren St-IA-1	09/07/17	Residential	No	<3.19	**76.4**	<19.8	<39.6	<1.28
		12/06/17			<3.19	<1.07	<19.8	<39.6	<1.28
	6493-OA-1	09/07/17	Residential	No	<3.19	<1.07	<19.8	<39.6	<1.28
		12/06/17			<3.19	<1.07	<19.8	<39.6	<1.28
SUB-SLAB VAPOR									
Residential Vapor Risk Screening Level[2]					**1,400**	**70**	**NE**	**NE**	**57**
Small Commercial Vapor Risk Screening Level[1]					**6,000**	**290**	**NE**	**NE**	**930**
109 W. Mullet St	6492-109-SSV-1	8/7/2017	Small Commercial	No	**3,090**	<10.7	<198	<396	<12.8
		1/23/2018		No	**12,100**	<10.7	<198	<396	<12.8
	6492-109-SSV-2	8/7/2017	Small Commercial	No	**3,810**	<10.7	<198	<396	<12.8
		1/23/2018		No	**18,700**	<10.7	<198	<396	<12.8
	6492-109-SSV-3	8/7/2017	Small Commercial	No	**2,490**	<10.7	<198	<396	<12.8
		1/23/2018		No	**2,030**	<10.7	<198	<396	<12.8
105 Warren St.	6493-105 Warren St-SSV-1	9/7/2017	Residentail	No	**10.9**	**3.28**	<19.8	<39.6	<1.28
		12/6/2017			**50.9**	<10.7	<198	<396	<12.8

Notes:

[1] The vapor risk screeing levels for small commercial structures are calculated in accordance with the procedures described in WDNR Publication RR-800 and subsequent guidance

[2] The vapor risk screeing levels for residential structures are calculated in accordance with the procedures described in WDNR Publication RR-800 and subsequent guidance

Samples analyzed according to EPA Method TO-15

All concentrations reported in units in micrograms per cubic meter = µg/m3

Only detected compounds are listed

Bolded values are above method detection limits

Bolded and **blue shaded** values exceed the residential Vapor Risk Screening Level

Bolded and **orange shaded** values exceed the small commercial Vapor Risk Screening Level

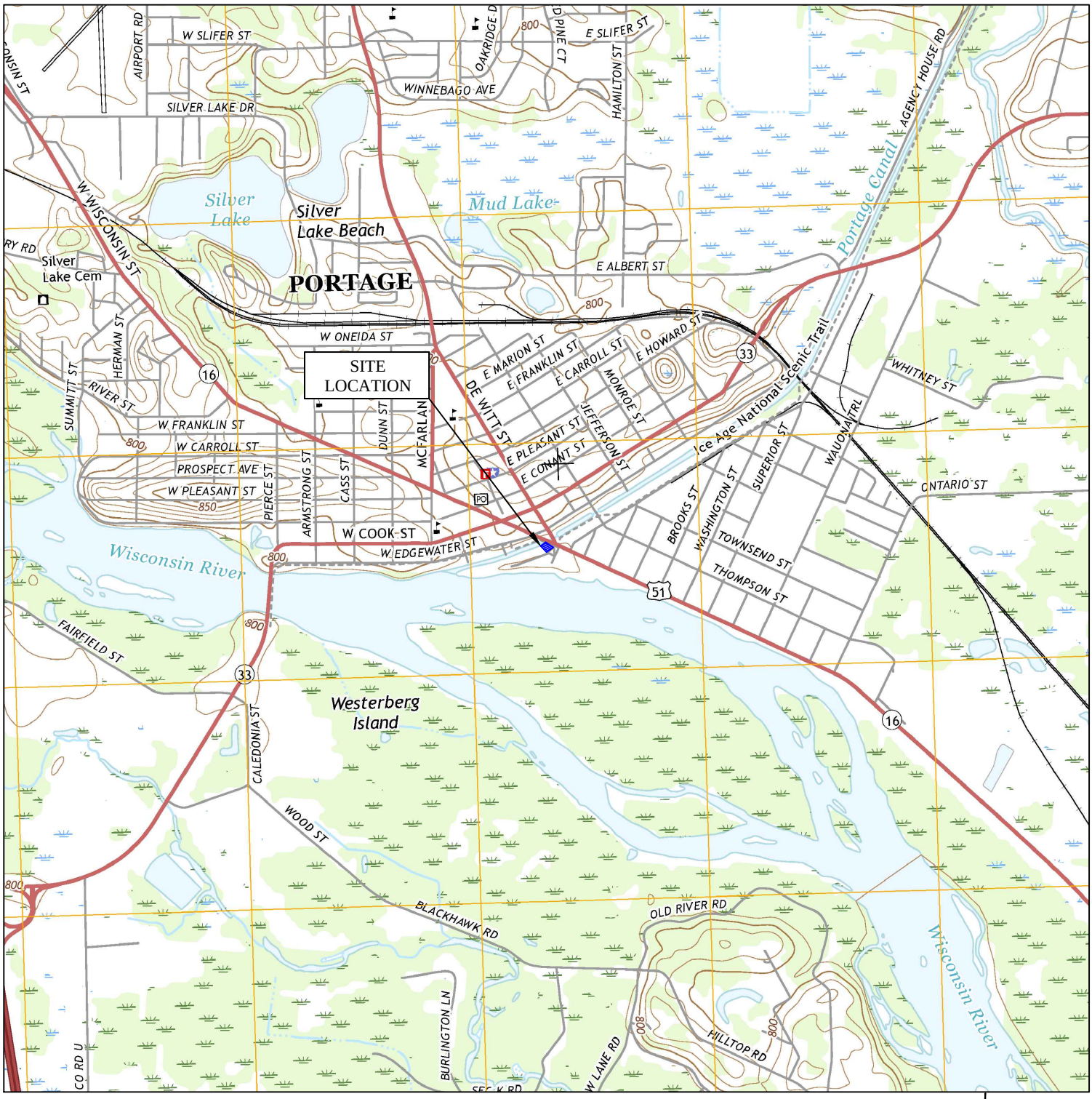
NE = Not Established

IA = Indoor Air

OA = Outdoor Air

SSV = Sub-Slab Vapor

FIGURES



Scale 1:24,000

1 1/2 0 1 Mile

1000 0 1000 2000 3000 4000 5000 6000 7000 Feet

N

Source: US Geological Survey, Portage, Wisconsin7.5 Minute Series, 2016

No.	Date	Revision	Approved

ENVIRO forensics

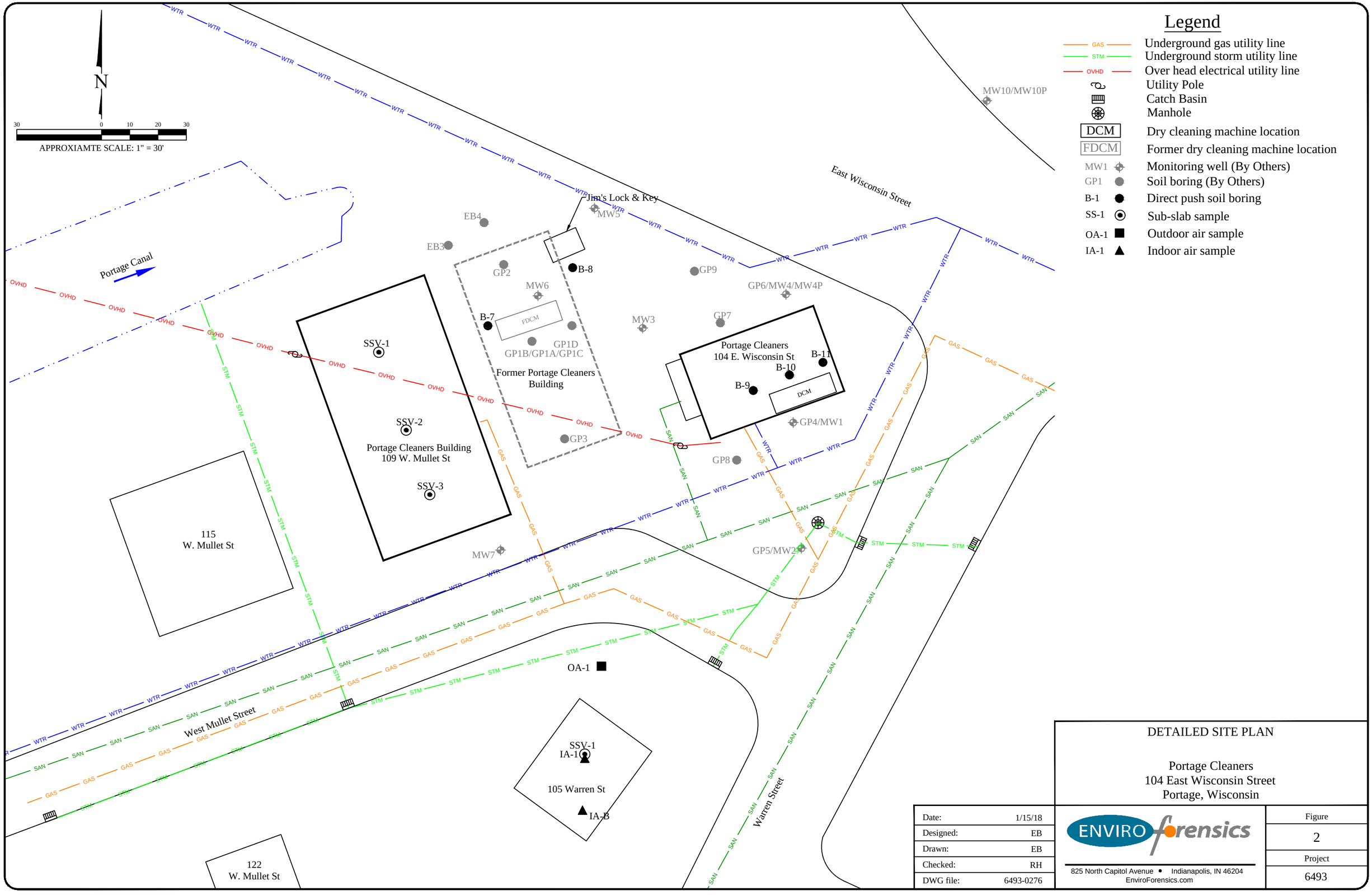
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Date:	11/8/17
Designed:	EB
Drawn:	EB
Checked:	RH
DWG file:	6493-0182

SITE TOPOGRAPHIC MAP

Portage Cleaners
104 East Wisconsin Street
Portage, Wisconsin

Figure
1
Project
6493



DETAILED SITE PLAN

Portage Cleaners
104 East Wisconsin Street
Portage, Wisconsin

Date:	1/15/18
Designed:	EB
Drawn:	EB
Checked:	RH
DWG file:	6493-0276

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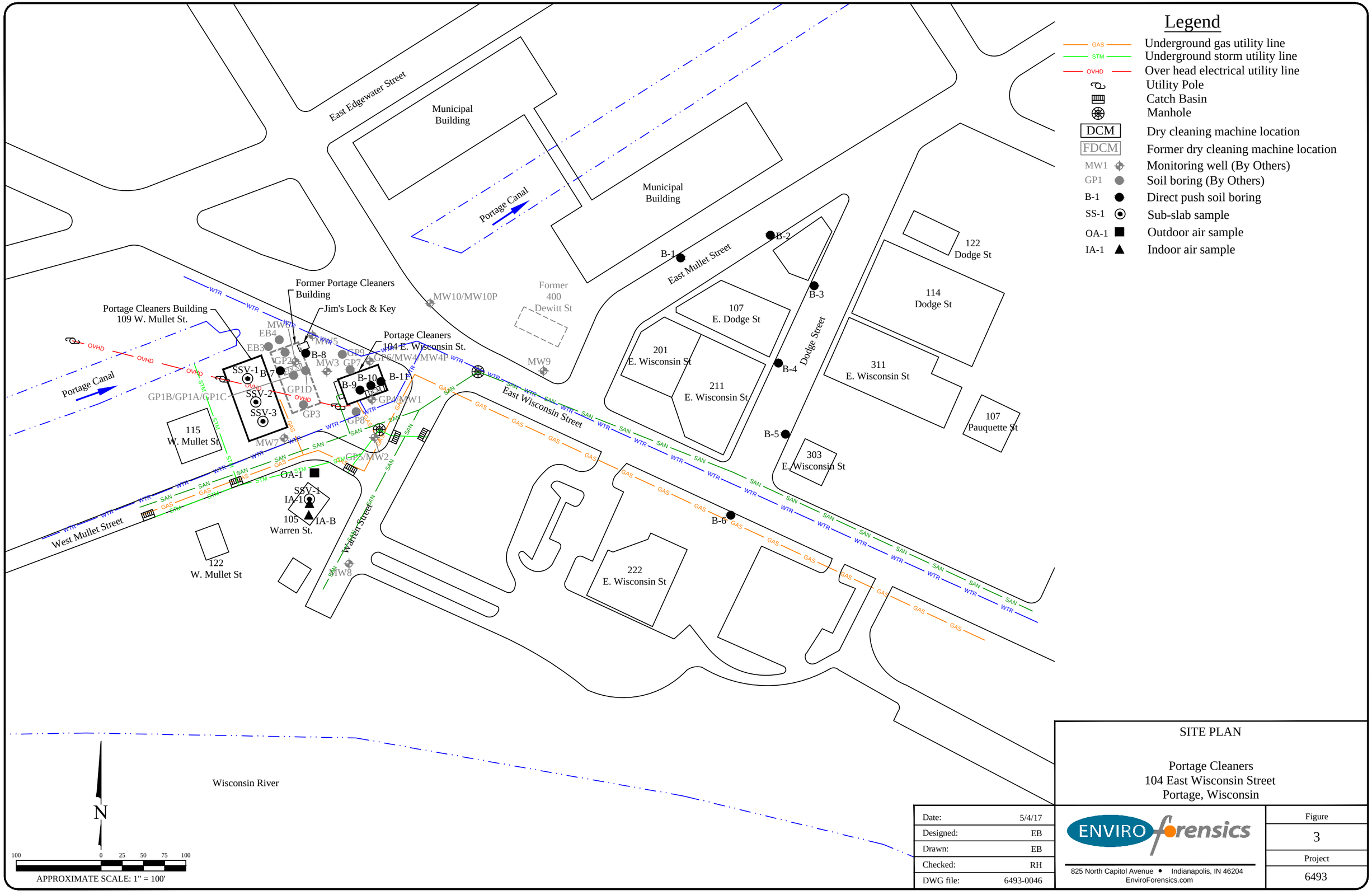
Figure 2

Project 6493



Legend

- Underground gas utility line
- Underground storm utility line
- Over head electrical utility line
- Utility Pole
- Catch Basin
- Manhole
- DCM — Dry cleaning machine location
- FDCM — Former dry cleaning machine location
- MW1 — Monitoring well (By Others)
- GP1 — Soil boring (By Others)
- B-1 — Direct push soil boring
- SS-1 — Sub-slab sample
- OA-1 — Outdoor air sample
- IA-1 — Indoor air sample

SITE PLAN

Portage Cleaners
104 East Wisconsin Street
Portage, Wisconsin

Date:	5/4/17
Designed:	EB
Drawn:	EB
Checked:	RH
DWG file:	6493-0046

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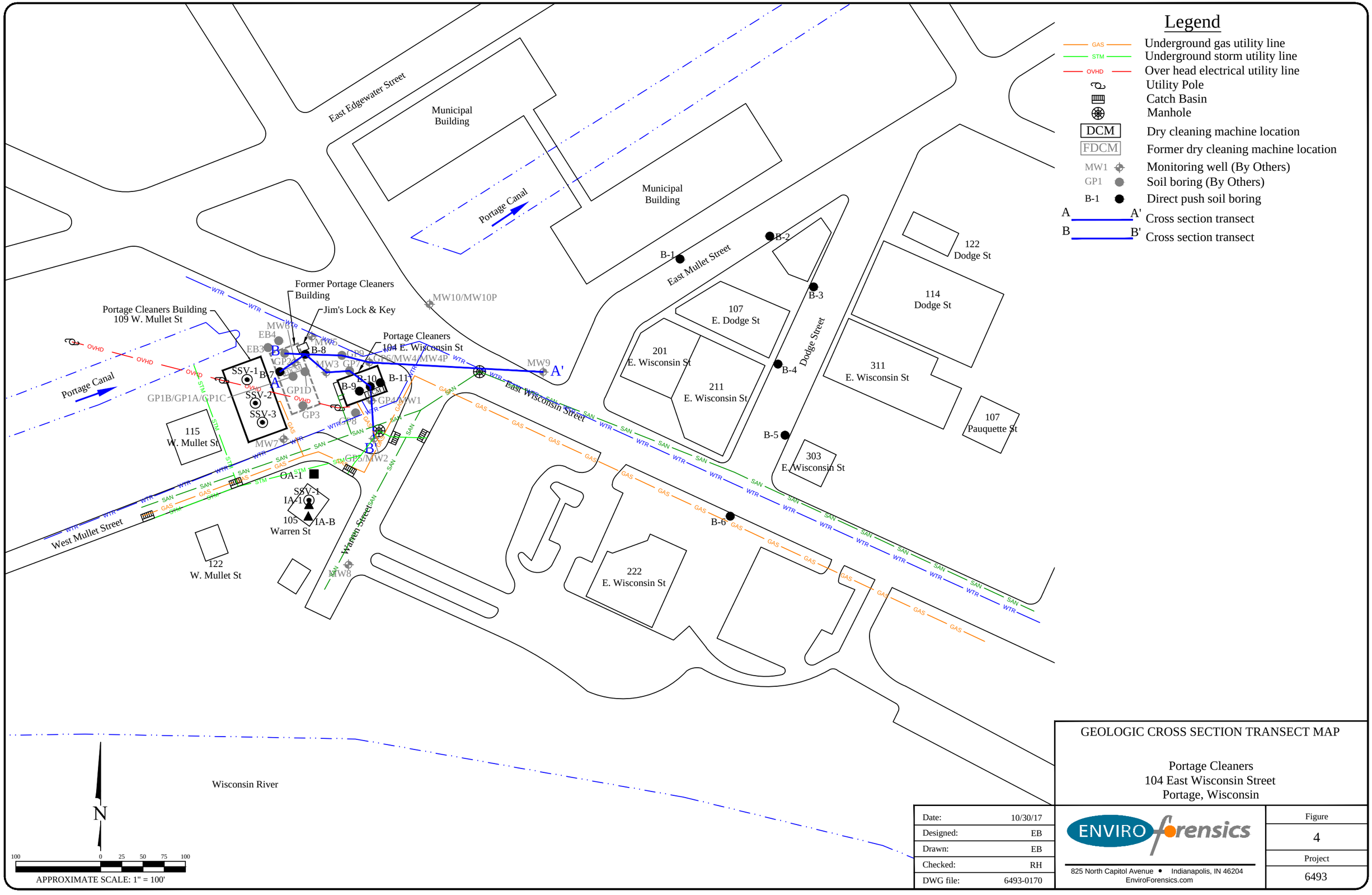
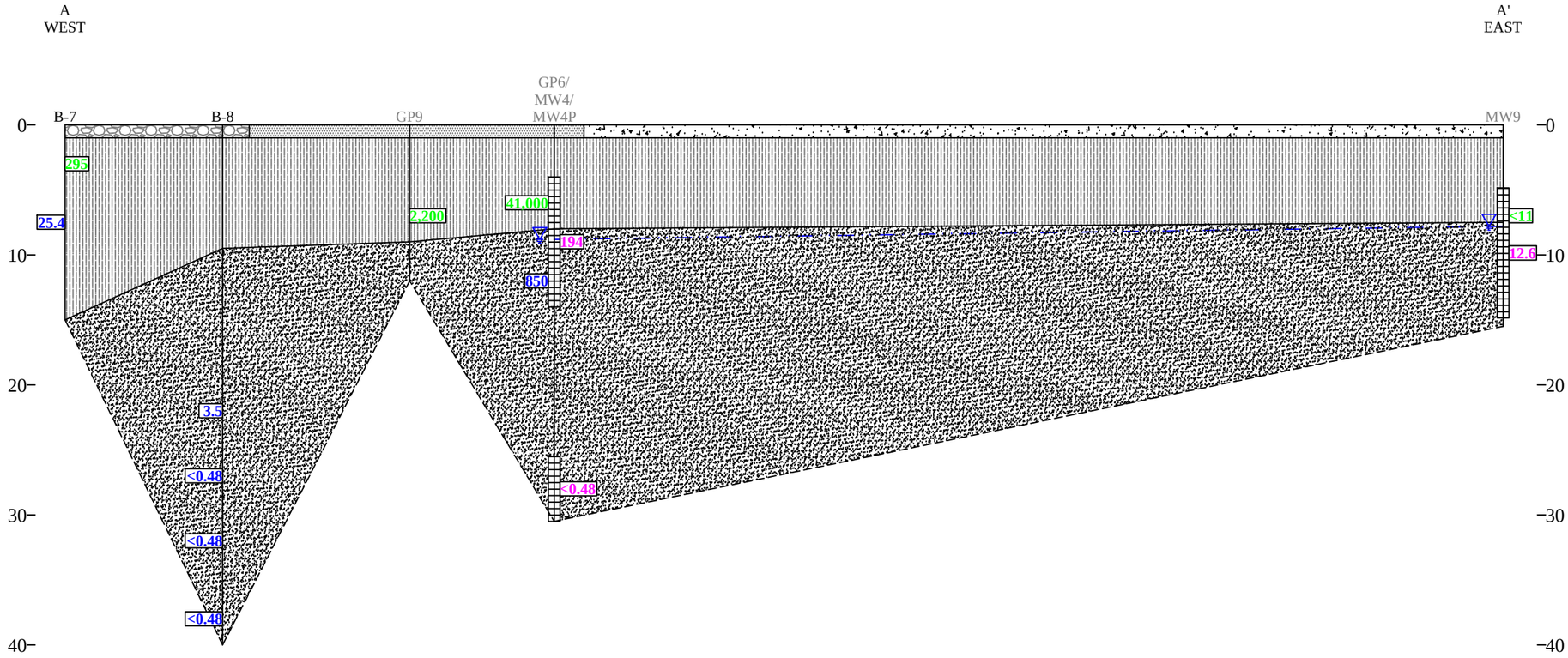
Figure 3

Project 6493

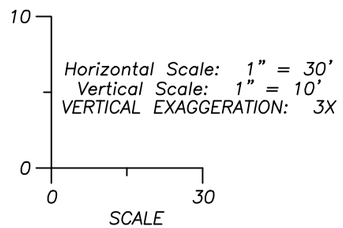

Legend
Underground gas utility line
Underground storm utility line
Over head electrical utility line
Utility Pole
Catch Basin
Manhole
DCM
Dry cleaning machine location
FDCM
Former dry cleaning machine location
MW1
Monitoring well (By Others)
GP1
Soil boring (By Others)
B-1
Direct push soil boring
A
A'
Cross section transect
B
B'
Cross section transect
East Edgewater Street
Municipal Building
Municipal Building
Portage Canal
Portage Canal
East Mullet Street
B-1
B-2
B-3
B-4
B-5
B-6
122 Dodge St
114 Dodge St
107 E. Dodge St
201 E. Wisconsin St
211 E. Wisconsin St
311 E. Wisconsin St
107 Pauquette St
303 E. Wisconsin St
Dodge Street
East Wisconsin Street
222 E. Wisconsin St
Former Portage Cleaners Building
Jim's Lock & Key
Portage Cleaners Building 109 W. Mullet St
Portage Cleaners 104 E. Wisconsin St
MW10/MW10P
MW9
MW6
EB4
EB3
MW5
B-8
GP2
GP9
MW3
GP
GP5/MW4/MW4P
B-7
B-9
B-10
B-11
GP1D
GP3
GP4/MW1
GP8
GP1B/GP1A/GP1C
SSV-1
SSV-2
SSV-3
115 W. Mullet St
MW7
GP5/MW2
OA-1
SSV-1
IA-1
105 Warren St
IA-B
Warren Street
MW8
West Mullet Street
122 W. Mullet St
WTR
SAN
GAS
STM
OVHD
Wisconsin River
N
100 0 25 50 75 100
APPROXIMATE SCALE: 1" = 100'
GEOLOGIC CROSS SECTION TRANSECT MAP
Portage Cleaners
104 East Wisconsin Street
Portage, Wisconsin
Date: 10/30/17
Designed: EB
Drawn: EB
Checked: RH
DWG file: 6493-0170
ENVIRO forensics
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com
Figure
4
Project
6493



Legend

	Top Soil
	Asphalt
	Concrete
	Fill
	Sand
	Gravel
	Silty Sand

700 PCE concentration in soil sample (µg/kg)
700 PCE concentration in grab groundwater sample (µg/L)
700 PCE concentration in monitoring well sample (µg/L)
Observed groundwater elevation in monitoring well on 10/4/17
Monitoring well screen
Dashed boundaries are inferred



Horizontal Scale: 1" = 30'
Vertical Scale: 1" = 10'
VERTICAL EXAGGERATION: 3X

GEOLOGIC CROSS SECTION A-A'

Portage Cleaners
104 East Wisconsin Street
Portage, Wisconsin

Date:	10/30/17
Designed:	EB
Drawn:	EB
Checked:	RH
DWG file:	6493-0170

ENVIRO forensics
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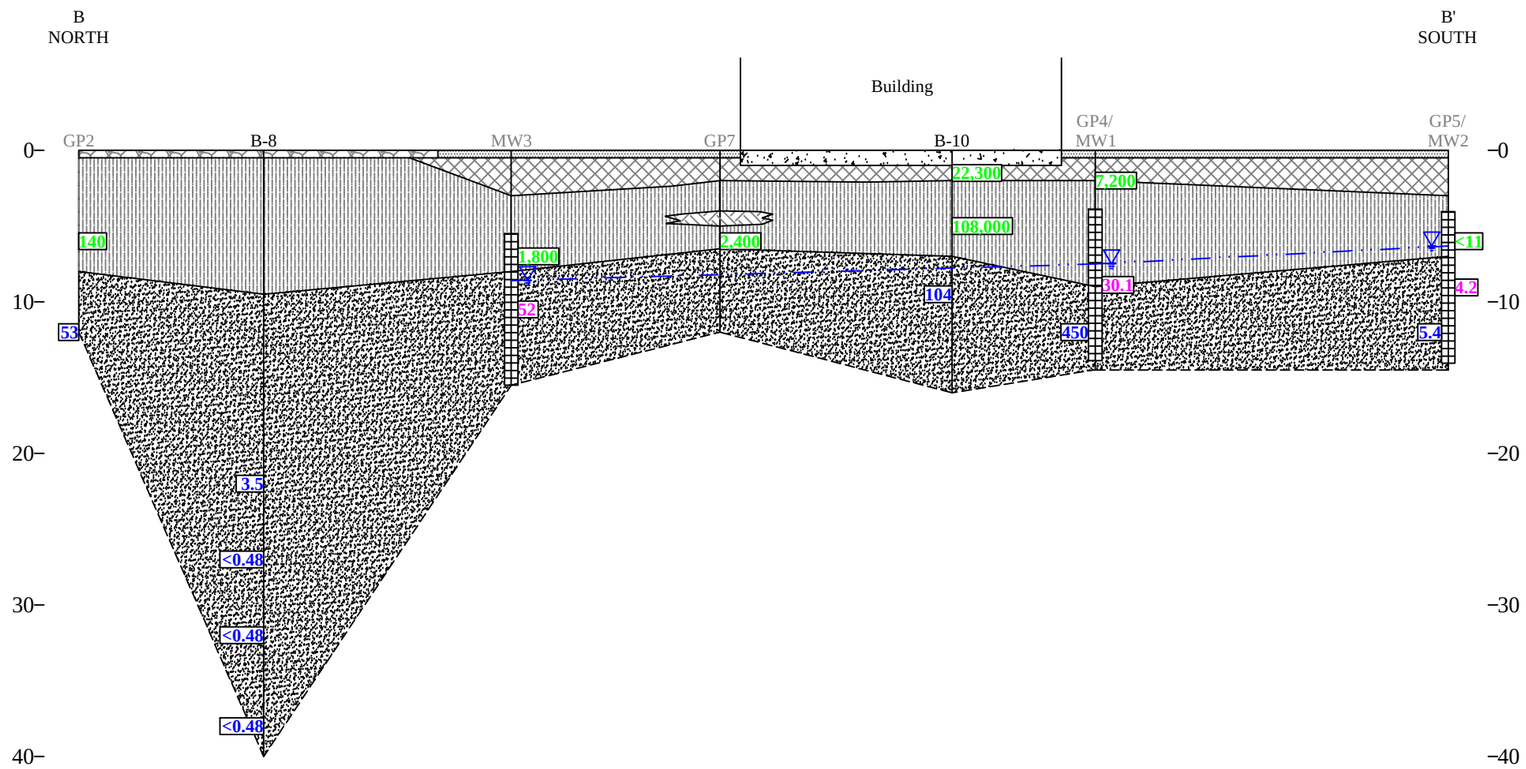
Figure
4A

Project
6493



Legend

	Top Soil
	Asphalt
	Concrete
	Fill
	Sand
	Gravel
	Silty Sand

700 PCE concentration in soil sample (µg/kg)
700 PCE concentration in grab groundwater sample (µg/L)
700 PCE concentration in monitoring well sample (µg/L)
Observed groundwater elevation in monitoring well on 10/4/17
Monitoring well screen
Dashed boundaries are inferred

10
0
0 20
SCALE

Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 10'
VERTICAL EXAGGERATION: 2X

GEOLOGIC CROSS SECTION B-B'

Portage Cleaners
104 East Wisconsin Street
Portage, Wisconsin

Date:	10/30/17
Designed:	EB
Drawn:	EB
Checked:	RH
DWG file:	6493-0170

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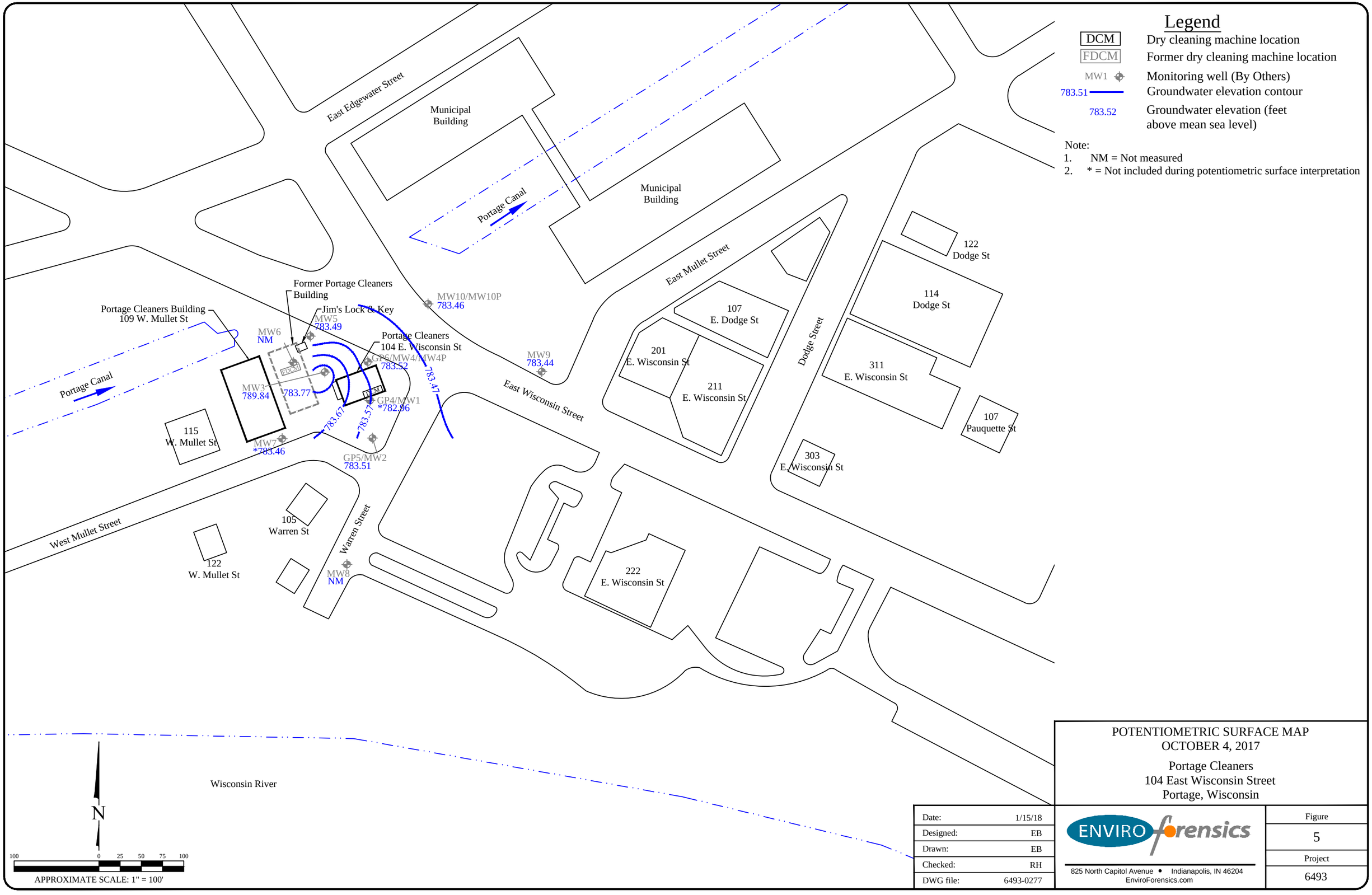
Figure
4B
Project
6493



Legend

- DCM — Dry cleaning machine location
- FDCM — Former dry cleaning machine location
- MW1 — Monitoring well (By Others)
- 783.51 — Groundwater elevation contour
- 783.52 — Groundwater elevation (feet above mean sea level)

Note:
1. NM = Not measured
2. * = Not included during potentiometric surface interpretation

POTENTIOMETRIC SURFACE MAP
OCTOBER 4, 2017

Portage Cleaners
104 East Wisconsin Street
Portage, Wisconsin

Date:	1/15/18
Designed:	EB
Drawn:	EB
Checked:	RH
DWG file:	6493-0277

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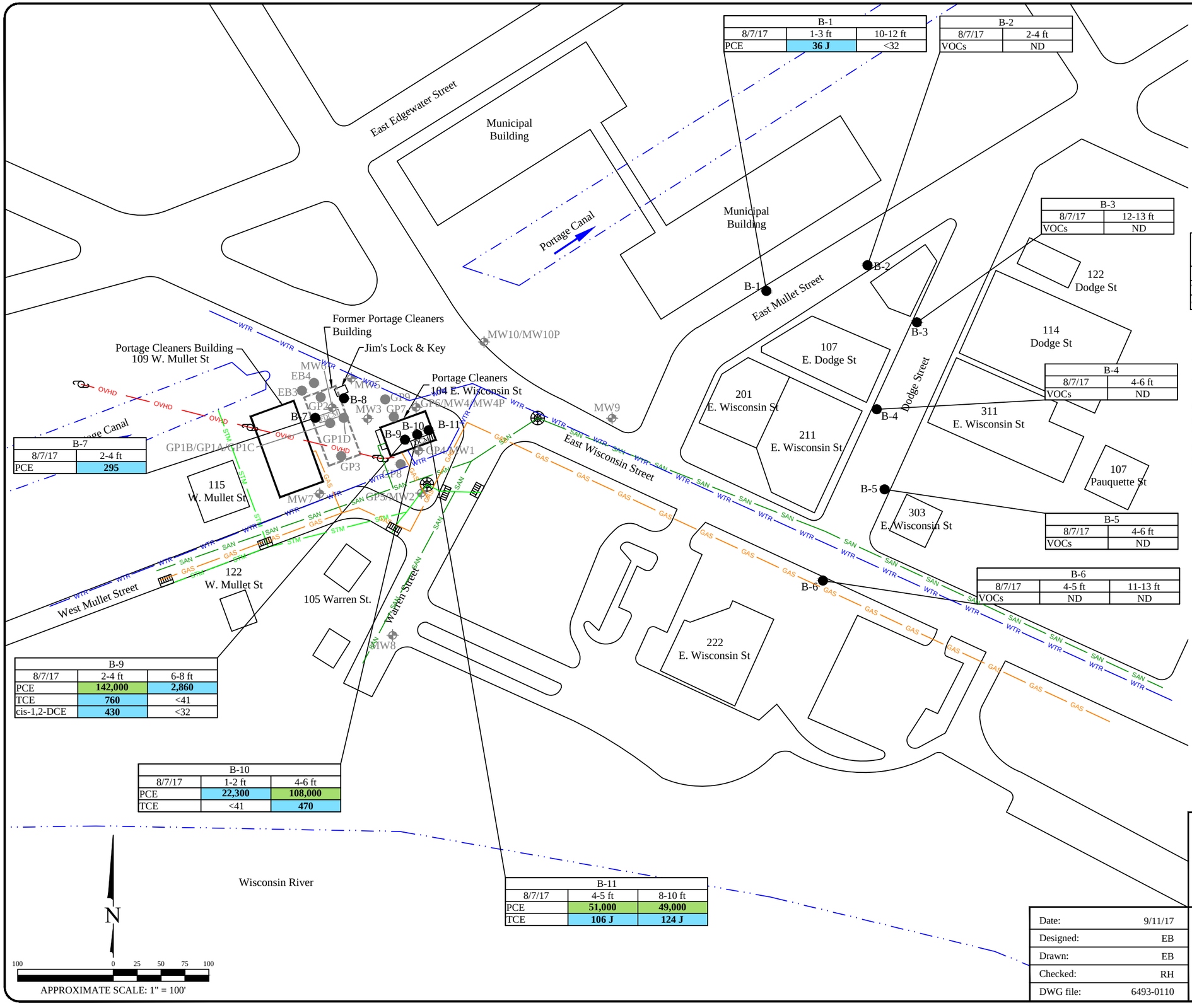
Figure 5

Project 6493



B-1		
8/7/17	1-3 ft	10-12 ft
PCE	**36 J**	<32

B-2		
8/7/17	2-4 ft	
VOCs	ND	

B-3		
8/7/17	12-13 ft	
VOCs	ND	

B-4		
8/7/17	4-6 ft	
VOCs	ND	

B-5		
8/7/17	4-6 ft	
VOCs	ND	

B-6		
8/7/17	4-5 ft	11-13 ft
VOCs	ND	ND

B-7		
8/7/17	2-4 ft	
PCE	**295**	

B-9		
8/7/17	2-4 ft	6-8 ft
PCE	**142,000**	**2,860**
TCE	**760**	<41
cis-1,2-DCE	**430**	<32

B-10		
8/7/17	1-2 ft	4-6 ft
PCE	**22,300**	**108,000**
TCE	<41	**470**

B-11		
8/7/17	4-5 ft	8-10 ft
PCE	**51,000**	**49,000**
TCE	**106 J**	**124 J**

Legend

- Underground gas utility line
- Underground storm utility line
- Over head electrical utility line
- Utility Pole
- Catch Basin
- Manhole
- DCM — Dry cleaning machine location
- FDCM — Former dry cleaning machine location
- MW1 — Monitoring well (By Others)
- GP1 — Soil boring (By Others)
- B-1 — Direct push soil boring

Analyte	Soil to Groundwater Residual Contaminant Level	Residential Residual Contaminant Level	Industrial Residual Contaminant Level
PCE	**4.5**	**33,000**	**145,000**
TCE	**3.6**	**1,300**	**8,410**
cis-1,2-DCE	**41.2**	**156,000**	**2,340,000**

Note:
1. Bolded and blue shaded values exceed the Soil to Groundwater Residual Contaminant Level
2. Bolded and green shaded values exceed the Non Industrial Residual Contaminant Level
3. Bolded values are above detection limits
4. J = Analyte concentration less that laboratory detection limits
5. Samples analyzed using EPA SW-846 Method 8260
6. All results reported in units of micrograms per kilogram (µg/kg)
7. PCE = Tetrachloroethene
8. TCE = Trichloroethene
9. cis-1,2-DCE = cis-1,2-Dichloroethene
10. ND = Not detected
11. VOCs = Volatile Organic Compounds

SOIL ANALYTICAL RESULTS MAP

Portage Cleaners
104 East Wisconsin Street
Portage, Wisconsin

Date:	9/11/17
Designed:	EB
Drawn:	EB
Checked:	RH
DWG file:	6493-0110

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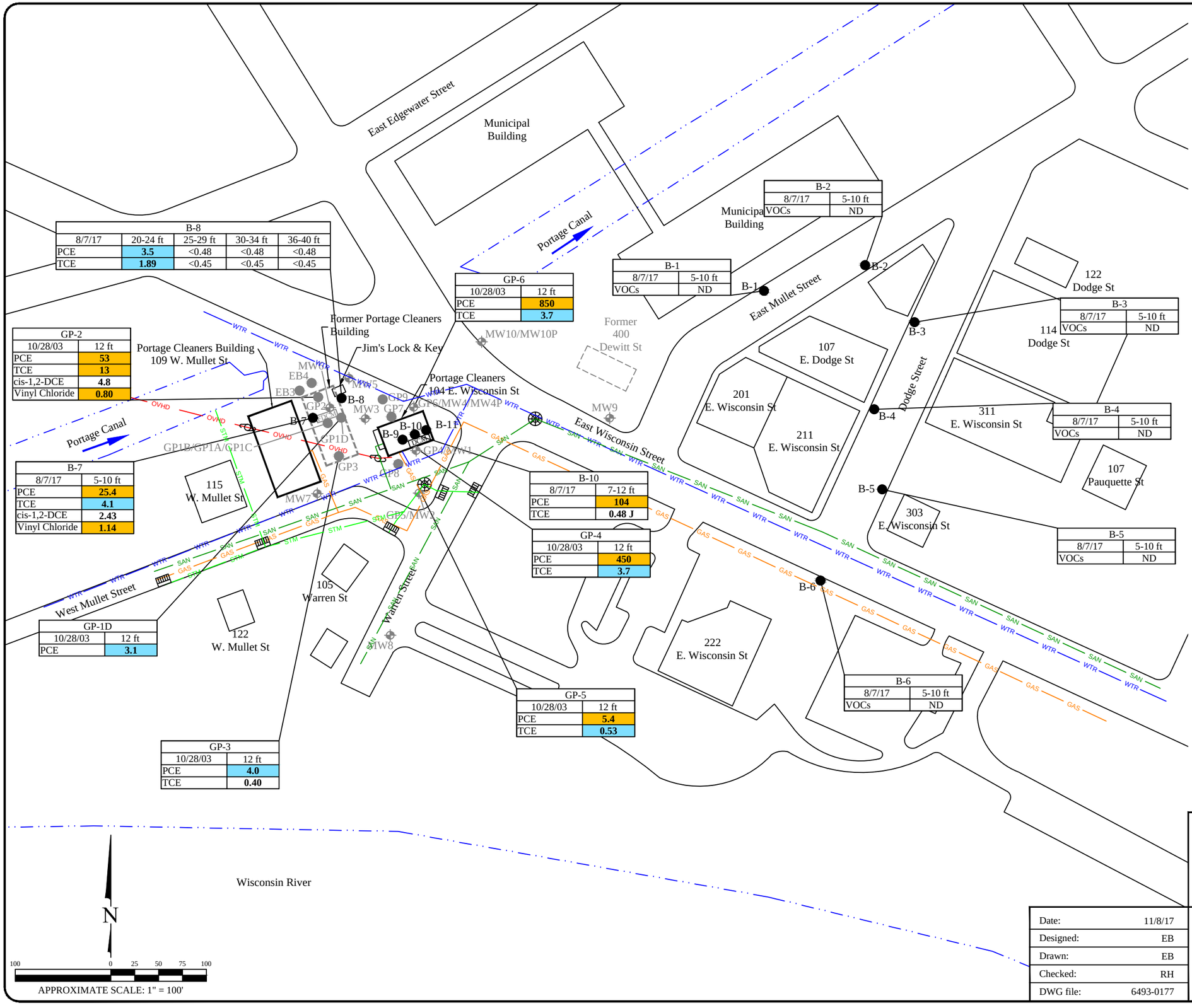
Figure 6

Project 6493



B-8				
8/7/17	20-24 ft	25-29 ft	30-34 ft	36-40 ft
PCE	**3.5**	<0.48	<0.48	<0.48
TCE	**1.89**	<0.45	<0.45	<0.45

GP-6	
10/28/03	12 ft
PCE	**850**
TCE	**3.7**

B-2	
8/7/17	5-10 ft
VOCs	ND

B-1	
8/7/17	5-10 ft
VOCs	ND

B-3	
8/7/17	5-10 ft
VOCs	ND

GP-2	
10/28/03	12 ft
PCE	**53**
TCE	**13**
cis-1,2-DCE	**4.8**
Vinyl Chloride	**0.80**

B-4	
8/7/17	5-10 ft
VOCs	ND

B-7	
8/7/17	5-10 ft
PCE	**25.4**
TCE	**4.1**
cis-1,2-DCE	**2.43**
Vinyl Chloride	**1.14**

B-10	
8/7/17	7-12 ft
PCE	**104**
TCE	**0.48 J**

GP-4	
10/28/03	12 ft
PCE	**450**
TCE	**3.7**

B-5	
8/7/17	5-10 ft
VOCs	ND

GP-1D	
10/28/03	12 ft
PCE	**3.1**

B-6	
8/7/17	5-10 ft
VOCs	ND

GP-5	
10/28/03	12 ft
PCE	**5.4**
TCE	**0.53**

GP-3	
10/28/03	12 ft
PCE	**4.0**
TCE	**0.40**

Legend

- Underground gas utility line
- Underground storm utility line
- Over head electrical utility line
- Utility Pole
- Catch Basin
- Manhole
- DCM — Dry cleaning machine location
- FDCM — Former dry cleaning machine location
- MW1 — Monitoring well (By Others)
- GP1 — Soil boring (By Others)
- B-1 — Direct push soil boring

Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	**0.5**	**5**
TCE	**0.5**	**5**
cis-1,2-DCE	**7**	**70**
Vinyl Chloride	**0.02**	**0.2**

Note:

1. Bolded and orange shaded values exceed the Public Health Enforcement Standard
2. Bolded and blue shaded values exceed the Public Health Preventive Action Limit
3. Bolded values are above detection limits
4. J = Analyte concentration less than laboratory detection limits
5. Samples analyzed using EPA SW-846 Method 8260
6. All results reported in units of micrograms per liter (µg/L)
7. PCE = Tetrachloroethene
8. TCE = Trichloroethene
9. cis-1,2-DCE = cis-1,2-Dichloroethene
10. CVOCs = Chlorinated Volatile Organic Compounds
11. ND = Not detected

GRAB GROUNDWATER ANALYTICAL RESULTS MAP

Portage Cleaners
104 East Wisconsin Street
Portage, Wisconsin

Date:	11/8/17
Designed:	EB
Drawn:	EB
Checked:	RH
DWG file:	6493-0177

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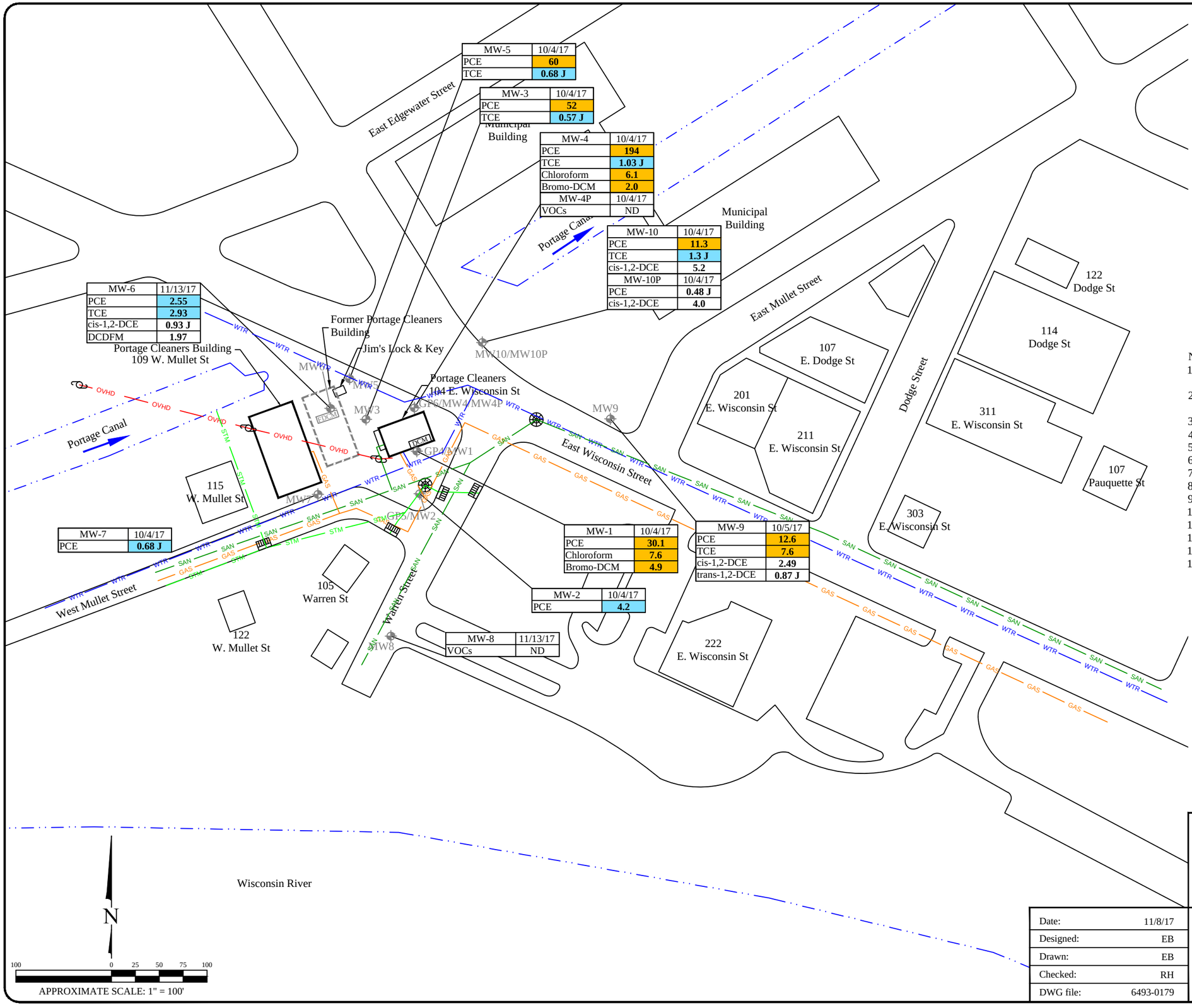
Figure
7
Project
6493



MW-5	10/4/17
PCE	**60**
TCE	**0.68 J**

MW-3	10/4/17
PCE	**52**
TCE	**0.57 J**

MW-4	10/4/17
PCE	**194**
TCE	**1.03 J**
Chloroform	**6.1**
Bromo-DCM	**2.0**
MW-4P	10/4/17
VOCs	ND

MW-10	10/4/17
PCE	**11.3**
TCE	**1.3 J**
cis-1,2-DCE	**5.2**
MW-10P	10/4/17
PCE	**0.48 J**
cis-1,2-DCE	**4.0**

MW-6	11/13/17
PCE	**2.55**
TCE	**2.93**
cis-1,2-DCE	**0.93 J**
DCDFM	**1.97**

MW-7	10/4/17
PCE	**0.68 J**

MW-1	10/4/17
PCE	**30.1**
Chloroform	**7.6**
Bromo-DCM	**4.9**

MW-2	10/4/17
PCE	**4.2**

MW-8	11/13/17
VOCs	ND

MW-9	10/5/17
PCE	**12.6**
TCE	**7.6**
cis-1,2-DCE	**2.49**
trans-1,2-DCE	**0.87 J**

Legend

- GAS — Underground gas utility line
- STM — Underground storm utility line
- OVHD — Over head electrical utility line
- Utility Pole
- Catch Basin
- Manhole
- DCM — Dry cleaning machine location
- FDCM — Former dry cleaning machine location
- MW1 — Monitoring well (By Others)

Analyte	Public Health Preventive Action Limit	Public Health Enforcement Standard
PCE	**0.5**	**5**
TCE	**0.5**	**5**
cis-1,2-DCE	**7**	**70**
trans-1,2-DCE	**20**	**100**
Chloroform	**0.6**	**6**
DCDFM	**NE**	**NE**
Bromo-DCM	**0.06**	**0.6**

Note:

1. Bolded and orange shaded values exceed the Public Health Enforcement Standard
2. Bolded and blue shaded values exceed the Public Health Preventive Action Limit
3. Bolded values are above detection limits
4. J = Analyte concentration less than laboratory detection limits
5. Samples analyzed using EPA SW-846 Method 8260
6. All results reported in units of micrograms per liter (µg/L)
7. PCE = Tetrachloroethene
8. TCE = Trichloroethene
9. cis-1,2-DCE = cis-1,2-Dichloroethene
10. trans-1,2-DCE = trans-1,2-Dichloroethene
11. Bromo-DCM = Bromodichloromethane
12. DCDFM = Dichlorodifluoromethane
13. VOCs = Volatile Organic Compounds
14. ND = Not detected

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS MAP

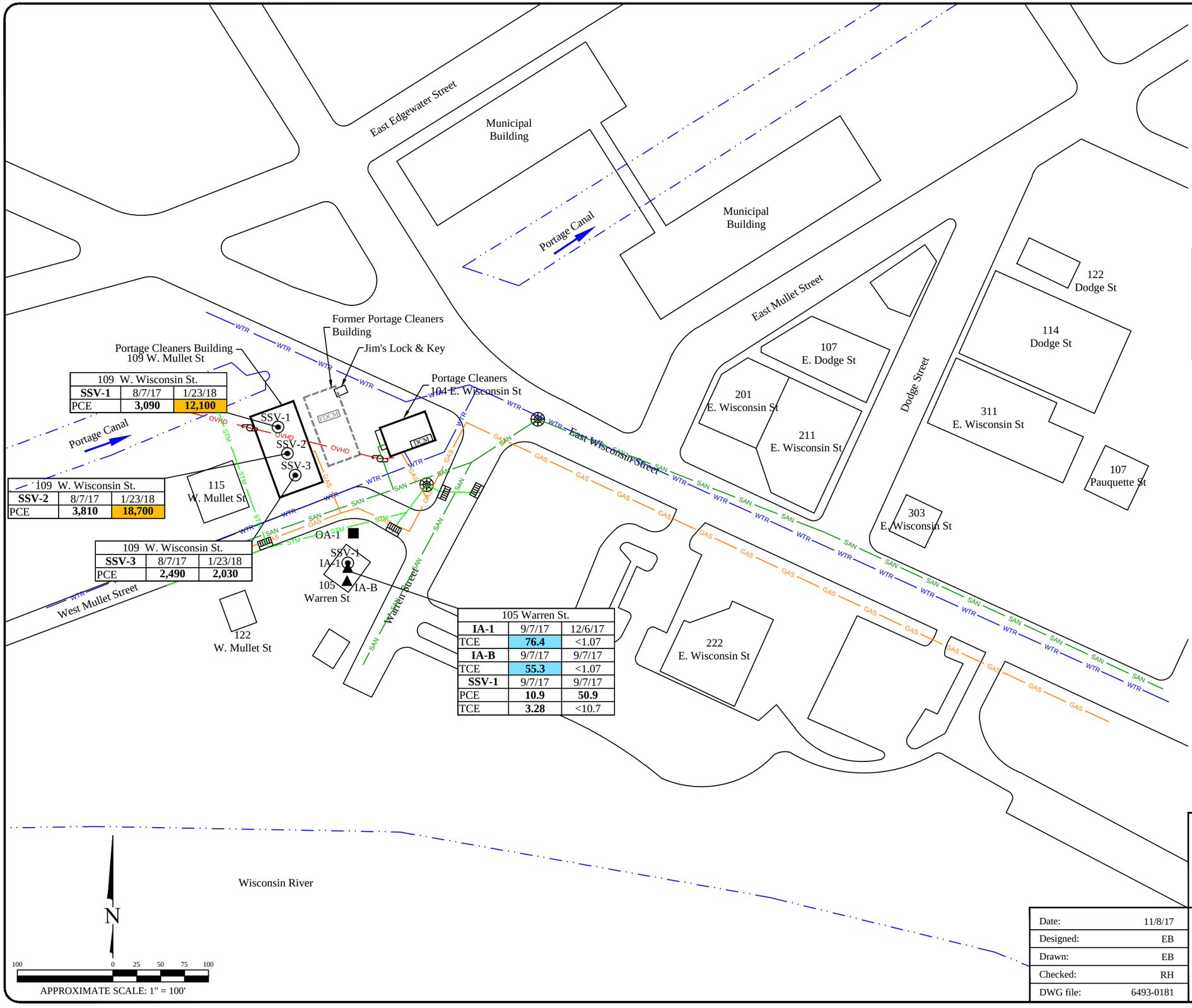
Portage Cleaners
104 East Wisconsin Street
Portage, Wisconsin

Date:	11/8/17
Designed:	EB
Drawn:	EB
Checked:	RH
DWG file:	6493-0179

ENVIRO forensics
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure 8

Project 6493



109 W. Wisconsin St.		
SSV-1	8/7/17	1/23/18
PCE	**3,090**	**12,100**

109 W. Wisconsin St.		
SSV-2	8/7/17	1/23/18
PCE	**3,810**	**18,700**

109 W. Wisconsin St.		
SSV-3	8/7/17	1/23/18
PCE	**2,490**	**2,030**

105 Warren St.		
IA-1	9/7/17	12/6/17
TCE	**76.4**	<1.07
IA-B	9/7/17	9/7/17
TCE	**55.3**	<1.07
SSV-1	9/7/17	9/7/17
PCE	**10.9**	**50.9**
TCE	**3.28**	<10.7

Legend

- GAS — Underground gas utility line
- STM — Underground storm utility line
- OVHD — Over head electrical utility line
- Utility Pole
- Catch Basin
- Manhole
- FDCM — Former dry cleaning machine location
- DCM — Dry cleaning machine location
- SSV-1 — Sub-slab sample
- OA-1 — Outdoor air sample
- IA-1 — Indoor air sample

Analyte	Sub-slab vapor	Indoor Air	Sub-slab vapor
	Residential Vapor Risk Screening Level [2]		Small Commercial Vapor Risk Screening Level [2]
PCE	**1,400**	**42**	**6,000**
TCE	**70**	**2.1**	**290**

Note:

1. Bold and shaded blue values exceed the Residential Vapor Action level.
2. All results reported in micrograms per cubic meter (µg/m ^{3})
3. NE = Not established
4. 2 = Vapor risk screening level = US EPA Regional Screening Levels with an attenuation factor of 0.3 for sub-slab vapor to indoor air, and a 0.1 adjustment for carcinogens as described in WDNR Publication RR-800
5. PCE = Tetrachloroethene
6. TCE = Trichloroethene

Wisconsin River

N

100 0 25 50 75 100

APPROXIMATE SCALE: 1" = 100'

VAPOR INTRUSION ANALYTICAL RESULTS MAP

Portage Cleaners
104 East Wisconsin Street
Portage, Wisconsin

Date:	11/8/17
Designed:	EB
Drawn:	EB
Checked:	RH
DWG file:	6493-0181

ENVIRO forensics
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure 9

Project 6493

APPENDIX A

Soil Boring Logs
Borehole Abandonment Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Portage Cleaners	02-11-512824	B-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	8/7/2017	8/7/2017	Direct push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E Ⓢ/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
111043790	11		Portage

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	60 37		1	**(0.0'-1.5') TOPSOIL** Greyish brown; TOPSOIL, dry.										
1-3 Soil			2 3 4	**(1.5'-5.5') SAND (SW):** Pale brown to yellow; fine to coarse SAND, well graded; dry.	SW									
	60 60		5 6	**(5.5'-15.0') SAND (SW):** White; SAND, fine to coarse grained, well graded, saturated; some organics present after nine feet.			▼							
5-10 Water			7 8 9		SW									
	60 60		10 11 12											

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

Signature	Firm	Tel: / Fax:
	EnviroForensics	

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-1 Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
10-12 Soil			13 14 15	**(5.5'-15.0') SAND (SW):** White; SAND, fine to coarse grained, well graded, saturated; some organics present after nine feet. *(continued)*	SW									
				END OF BORING @ 15' BGS										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Portage Cleaners	02-11-512824	B-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	8/7/2017	8/7/2017	Direct push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

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

Facility ID	County	County Code	Civil Town/City/ or Village
111043790	11		Portage

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	60 30		0	**(0.0'-0.5') TOPSOIL:** Very dark greyish brown; TOPSOIL.										
			1	**(0.5'-1.5') FILL (Fill):** Traffic bond.	Fill									
			2	**(1.5'-3.0') SAND (SW):** Pale brown to yellow; fine to coarse SAND, well graded, dry.	SW									
			3	**(3.0'-4.0') SILTY SAND (SM):** Light brown; fine SAND; with Silt; moist.	SM									
2-4 Soil			4	**(4.0'-15.0') SAND (SW):** Pale brown to yellow; fine to coarse SAND, well graded, dry.										
	60 32		5				▼							
			6											
			7											
			8		SW									
			9											
5-10 Water	60 60		10											
			11											
			12											

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

Signature	Firm	
	EnviroForensics	Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-2 Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	**(4.0'-15.0') SAND (SW):** Pale brown to yellow; fine to coarse SAND, well graded, dry. *(continued)*	SW									
			14											
			15	END OF BORING @ 15' BGS										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Portage Cleaners	02-11-512824	B-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	8/7/2017	8/7/2017	Direct push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

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

Facility ID	County	County Code	Civil Town/City/ or Village
111043790	11		Portage

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	60 30		0 1	**(0.0'-0.5') CONCRETE:** CONCRETE. **(0.5'-1.0') FILL (Fill):** Brown; fine SAND.	Fill									
			2 3 4 5	**(1.0'-5.5') SAND (SW-SC):** Reddish brown; fine to coarse SAND, well graded; with Clay; dry.	SW-SC		▼							
	60 60		6 7 8 9 10	**(5.5'-11.5') SAND (SP):** Brown; fine SAND; saturated.	SP									
5-10 Water			11 12		CL-ML									

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

Signature	Firm	Tel: / Fax:
	EnviroForensics	

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-3 Use only as an attachment to Form 4400-122. Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
12-13 Soil			13	**(11.5'-12.5') SILTY CLAY (CL-ML):** CLAY; with Silt; moist; slightly plastic. *(continued)*	CL-ML									
			14	**(12.5'-15.0') SAND (SP):** Brown; fine SAND; saturated.	SW									
			15	END OF BORING @ 15' BGS										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Portage Cleaners	02-11-512824	B-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	8/7/2017	8/7/2017	Direct push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E Ⓢ/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
111043790	11		Portage

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	60 30		0	**(0.0'-0.5') ASPHALT:** ASPHALT.										
			1	**(0.5'-1.5') FILL (Fill):** Dark grayish brown; fine to coarse SAND, well graded; few Cobbles.	Fill									
			2	**(1.5'-2.5') SAND (SW):** Dark yellowish brown; fine to coarse SAND, well graded; slightly moist.	SW									
			3	**(2.5'-5.0') SAND (SW-SC):** Very dark brown; fine to coarse SAND, well graded; some Clay; slightly moist.	SW-SC									
			4											
			5											
	60 40		6	**(5.0'-7.0') SAND (SW-SC):** Dark gray; fine to coarse SAND, well graded; some Clay; slightly moist.	CL-ML		▼							
4-6 Soil			7											
			8	**(7.0'-11.0') CLAYEY SAND (SP-SC):** Brownish yellow; fine SAND, poorly graded; some Silt; slightly moist.	SP-SC									
			9											
			10											
5-10 Water	60 60		11	**(11.0'-15.0') SAND (SW-SC):** Yellowish brown; fine to medium SAND, well graded; some Clay; slightly moist.	SW-SC									
			12											

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

Signature	Firm	Tel:
	EnviroForensics	Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

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

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	**(11.0'-15.0') SAND (SW-SC):** Yellowish brown; fine to medium SAND, well graded; some Clay; slightly moist. *(continued)*	SW-SC									
			14											
			15	END OF BORING @ 15' BGS										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Portage Cleaners	02-11-512824	B-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	8/7/2017	8/7/2017	Direct push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E Ⓢ/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
111043790	11		Portage

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	60 30		1	**(0.0'-1.0') ASPHALT:** ASPHALT.										
			2	**(1.0'-2.5') FILL (Fill):** Gray; fine to coarse SAND, well graded; some Gravel.	Fill									
			3	**(2.5'-5.0') SAND (SW):** Yellowish brown; fine to medium SAND, well graded; some coarse Sand; dry.	SW									
			4											
			5											
	60 41		6	**(5.0'-6.2') CLAYEY SAND (SP-SC):** Very pale brown; fine SAND, poorly graded; some Clay; dry.	SP/SC									
4-6 Soil			7	**(6.2'-8.1') CLAYEY SAND (SP-SC):** Dark gray; fine to coarse SAND, well graded; some Clay; slightly moist.	SP/SC		▼							
			8											
			9	**(8.1'-10.0') SAND (SP):** Dark grayish brown; SAND, fines downward; moist.	SP									
5-10 Water	60 60		10	**(10.0'-13.1') SAND (SW):** Very pale brown; SAND, well graded; saturated.	SW									
			11											
			12											

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

Signature	Firm	Tel:
	EnviroForensics	Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

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

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	**(10.0'-13.1') SAND (SW):** Very pale brown; SAND, well graded; saturated. *(continued)*	SW									
			14	**(13.1'-14.2') SILTY CLAY (CL-ML):** Light Yellowish brown; CLAY; with Silt; low to moderate plasticity; moist.	CL/ML									
			15	**(14.2'-15.0') SAND (SW):** Very pale brown; SAND, well graded; saturated.	SW									
				END OF BORING @ 15' BGS										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Portage Cleaners	02-11-512824	B-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	8/7/2017	8/7/2017	Direct push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E Ⓢ/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
111043790	11		Portage

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	60 40		1	**(0.0'-2.0') FILL (Fill):** Greyish brown; fine to coarse SAND; with Cobbles, Silt, and Clay.	Fill									
			2 3 4	**(2.0'-6.5') SAND (SW):** Yellowish brown; fine to medium SAND, well graded; some coarse Sand; dry.	SW									
4-5 Soil	60 52		5 6				▼							
			7	**(6.5'-8.0') SILTY SAND (SM):** Very pale brown; fine SAND, poorly graded; with Silt; some Clay.	SM									
			8 9	**(6.5'-10.0') SAND (SP):** Yellowish brown; fine to medium SAND, poorly graded; saturated.	SP									
5-10 Water	60		10 11	**(10.0'-15.0') SILTY SAND (SM):** Dark yellowish brown; fine to coarse SAND; with Silt; some Clay; saturated.	SM									
			12											

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

Signature	Firm	Tel:
	EnviroForensics	Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-6 Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
11-13 Soil			13 14 15	**(10.0'-15.0') SILTY SAND (SM):** Dark yellowish brown; fine to coarse SAND; with Silt; some Clay; saturated. *(continued)* END OF BORING @ 15' BGS	SM									

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
Portage Cleaners	02-11-512824	B-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	8/7/2017	8/7/2017	Direct push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E Ⓢ/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
111043790	11		Portage

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	60 30		1	**(0.0'-1.0') FILL (Fill):** Traffic bond.	Fill									
			2	**(1.0'-2.0') SAND (SP):** Brown; fine to medium SAND, poorly graded; dry.	SP									
2-4 Soil			3 4	**(2.0'-5.0') SAND (SW):** Dark grayish brown; fine to coarse SAND, well graded; few fine Gravel; dry.	SW									
	60 36		5 6	**(5.0'-10.0') SAND (SP):** Brownish yellow; fine to medium SAND, poorly graded; some Silt and Clay; saturated; dark brown mottling.	SP		▼							
			7 8 9											
5-10 Water	60		10 11	**(10.0'-15.0') SAND (SP):** Light yellowish brown; fine to medium SAND, poorly graded; some Silt and Clay; saturated; dark brown mottling.	SW									
			12											

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

Signature	Firm	Tel: / Fax:
	EnviroForensics	

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-7 Use only as an attachment to Form 4400-122. Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13 14 15	**(10.0'-15.0') SAND (SP):** Light yellowish brown; fine to medium SAND, poorly graded; some Silt and Clay; saturated; dark brown mottling. *(continued)*	SW									
				END OF BORING @ 15' BGS										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Portage Cleaners	02-11-512824	B-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	8/7/2017	8/7/2017	Direct push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E Ⓢ/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
111043790	11		Portage

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	60 30		1	**(0.0'-0.5') FILL:** Traffic bond, Gravel.	FILL									
			1 2 3 4	**(0.0'-9.5') SAND (SW):** Yellowish brown; fine to coarse SAND, well graded; some fine to coarse Gravel; few Cobble; dry.	SW									
	60 40		5 6 7 8 9				▼							
	60		10 11	**(9.5'-12.5') SAND (SW):** Yellowish brown; fine to coarse SAND, well graded; some fine to coarse Gravel; few Cobble; saturated.	SW									
			12											

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

Signature	Firm	Tel: / Fax:
	EnviroForensics	

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-8 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13		SW									
				(12.5'-40.0') SAND (SW): Dark brown; fine to coarse SAND, well graded; some Silt and Clay; saturated.										
	60		15											
			16											
			17											
			18											
			19											
	60		20											
			21											
			22		SW									
			23											
20-24 Water			24											
	60		25											
			26											
			27											
			28											
25-29 Water			29											
	60		30											
			31											
			32											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-8 Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			33	**(12.5'-40.0') SAND (SW):** Dark brown; fine to coarse SAND, well graded; some Silt and Clay; saturated. *(continued)*										
30-34 Water			34											
	60		35											
			36		SW									
			37											
			38											
			39											
36-40 Water			40	END OF BORING @ 40' BGS										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Portage Cleaners	02-11-512824	B-9

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	8/7/2017	8/7/2017	Direct push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E Ⓢ/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
111043790	11		Portage

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48 48		0	**(0.0'-0.5') CONCRETE:** CONCRETE.										
			1	**(0.5'-3.5') SAND (SW):** Yellowish brown; fine to coarse SAND, well graded; some fine to coarse Gravel.	FILL									
			2											
			3											
2-4 Soil			4	**(3.5'-4.0') SAND (SW):** Black; fine to coarse SAND, well graded; some Clay; yellow mottling.	SW									
	48 48		5	**(4.0'-8.5') SAND (SW):** Yellowish brown; fine to coarse SAND, well graded; some fine to coarse Gravel.										
			6		SW									
			7											
6-8 Soil			8											
			9	**(8.5'-16.0') SAND (SW):** Yellowish brown; fine to coarse SAND, well graded; saturated.			▼							
	48 47		10		SW									
			11											
			12											

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

Signature	Firm	Tel:
	EnviroForensics	Fax:

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-9 Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	**(8.5'-16.0') SAND (SW):** Yellowish brown; fine to coarse SAND, well graded; saturated. *(continued)*	SW									
			14											
	12 48		15											
			16	END OF BORING @ 16' BGS										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Portage Cleaners	02-11-512824	B-10

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	8/7/2017	8/7/2017	Direct push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E Ⓢ/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
111043790	11		Portage

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1-2 Soil	60		1–2	**(0.0'-1.0') CONCRETE:** CONCRETE.	CONCRETE									
			2–3	**(1.0'-2.0') SAND (SW):** Very dark grayish brown; fine to coarse SAND, well graded; some fine Gravel; yellow mottling.	SW									
			3–4	**(2.0'-3.5') SAND (SP):** Yellowish brown; fine to medium SAND, poorly graded.	SP									
4-6 Soil	60		4–7	**(3.5'-7.0') SAND (SP):** Black; fine to medium SAND, poorly graded; some Clay.	SP									
7-12 Soil	60		7–11	**(7.0'-11.0') SAND (SW):** Yellowish brown; fine to coarse SAND, well graded.	SW		▼							
			11–12		SW									

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

Signature	Firm	Tel: / Fax:
	EnviroForensics	

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-10 Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
7-12 Water			13	**(11.0'-16.0') SAND (SW):** Yellowish brown; fine to coarse SAND, well graded; saturated. *(continued)*										
	12		14		SW									
			15											
			16	END OF BORING @ 16' BGS										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Portage Cleaners	02-11-512824	B-11

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	8/7/2017	8/7/2017	Direct push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E Ⓢ/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
111043790	11		Portage

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
	60 48		1	**(0.0'-1.0') CONCRETE:** CONCRETE.	CONCRETE									
			2	**(1.0'-3.5') SAND (SW):** Brown; fine to coarse SAND, well graded; trace black Sand.	SW									
			3											
			4	**(3.5'-7.5') SAND (SP):** Yellowish brown; fine to medium SAND, poorly graded; some Clay.										
4-5 Soil	60 48		5		SP									
			6											
			7											
			8	**(7.5'-16.0') SAND (SW):** Yellowish brown; fine to coarse SAND, well graded; some fine Gravel; saturated.										
8-10 Soil			9				▼							
			10		SW									
	60 48		11											
			12											

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

Signature	Firm	
	EnviroForensics	Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number B-11 Use only as an attachment to Form 4400-122.

Sample									Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	**(7.5'-16.0') SAND (SW):** Yellowish brown; fine to coarse SAND, well graded; some fine Gravel; saturated. *(continued)*										
			14		SW									
	12 12		15											
			16	END OF BORING @ 16' BGS										

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment 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 #
Columbia		

Latitude / Longitude (see instructions)	Format Code	Method Code
43.538743 N	☒ DD	☐ GPS008
-89.457275 W	☐ DDM	☒ SCR002
		☐ OTH001

¼ / ¼	¼	Section	Township	Range
NE	NW	08	12 N	☒ E ☐ W
or Gov't Lot #				

Well Street Address:

Well City, Village or Town	Well ZIP Code
Portage	53901
Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: Portage Cleaners, Inc

Facility ID (FID or PWS): 111043790

License/Permit/Monitoring #:

Original Well Owner: David Bieno

Present Well Owner: David Bieno

Mailing Address of Present Owner: 104 E Wisconsin st

City of Present Owner	State	ZIP Code
Portage	WI	53901

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/07/2017

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.)
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

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

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Asphalt	Surface	0.5	0.014	
Bentonite	0.5	15	0.41	

6. Comments

B-1

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
EnviroForensics		08/07/2017

Street or Route	Telephone Number
N16 W23390 Stone Ridge Dr., Suite G	(317) 972-7870

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Waukesha WI	WI	53188		8-8-2017

DNR Use Only

Date Received	Noted By

Comments:

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment 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 #
Columbia	_ _ _ _ _	

Latitude / Longitude (see instructions)	Format Code	Method Code
43.538852 N	☒ DD	☐ GPS008
-89.456732 W	☐ DDM	☒ SCR002
		☐ OTH001

¼ / ¼	¼	Section	Township	Range
NE	NW	08	12 N	09 ☒ E ☐ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Portage	53901

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
	_ _ _ _ _

2. Facility / Owner Information

Facility Name: Portage Cleaners, Inc

Facility ID (FID or PWS): 111043790

License/Permit/Monitoring #:

Original Well Owner: David Bieno

Present Well Owner: David Bieno

Mailing Address of Present Owner: 104 E Wisconsin st

City of Present Owner	State	ZIP Code
Portage	WI	53901

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/07/2017

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.)

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	

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

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Topsoil	Surface	0.5	0.014	
Bentonite	0.5	15	0.41	

6. Comments

B-2

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
EnviroForensics		08/07/2017

Street or Route	Telephone Number
N16 W23390 Stone Ridge Dr., Suite G	(317) 972-7870

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Waukesha WI	WI	53188		8-8-2017

DNR Use Only

Date Received	Noted By

Comments

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment 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 #
Columbia	_ _ _ _ _	

Latitude / Longitude (see instructions)	Format Code	Method Code
43.538674 N	☒ DD	☐ GPS008
-89.456611 W	☐ DDM	☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NE	NW	08	12 N	09 ☒ E ☐ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Portage	53901

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
	_ _ _ _ _

2. Facility / Owner Information

Facility Name: Portage Cleaners, Inc

Facility ID (FID or PWS): 111043790

License/Permit/Monitoring #:

Original Well Owner: David Bieno

Present Well Owner: David Bieno

Mailing Address of Present Owner: 104 E Wisconsin st

City of Present Owner	State	ZIP Code
Portage	WI	53901

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/07/2017

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.)

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	

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

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Asphalt	Surface	0.5	0.014	
Bentonite	0.5	15	0.41	

6. Comments

B-3

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
EnviroForensics		08/07/2017

Street or Route	Telephone Number
N16 W23390 Stone Ridge Dr., Suite G	(317) 972-7870

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Waukesha WI	WI	53188		8-8-2017

DNR Use Only

Date Received	Noted By

Comments

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment 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 #
Columbia	_ _ _ _ _ _ _	

Latitude / Longitude (see instructions): 43.538439 N / -89.456775 W
Format Code: ☒ DD ☐ DDM
Method Code: ☐ GPS008 ☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NE	NW	08	12 N	09 ☒ E ☐ W

or Gov't Lot #

Well Street Address:

Well City, Village or Town: Portage
Well ZIP Code: 53901
Subdivision Name:
Lot #:

Reason for Removal from Service:
WI Unique Well # of Replacement Well: _ _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Portage Cleaners, Inc
Facility ID (FID or PWS): 111043790
License/Permit/Monitoring #:

Original Well Owner: David Bieno
Present Well Owner: David Bieno
Mailing Address of Present Owner: 104 E Wisconsin st
City of Present Owner: Portage
State: WI
ZIP Code: 53901

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/07/2017
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.)
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

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

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Asphalt	Surface	0.5	0.014	
Bentonite	0.5	15	0.41	

6. Comments

B-4

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
EnviroForensics		08/07/2017

Street or Route: N16 W23390 Stone Ridge Dr., Suite G
Telephone Number: (317) 972-7870
City: Waukesha
State: WI
ZIP Code: 53188
Signature of Person Doing Work:
Date Signed: 8-8-2017

DNR Use Only
Date Received:
Noted By:
Comments:

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment 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 #
Columbia	_ _ _ _ _ _ _	

Latitude / Longitude (see instructions)	Format Code	Method Code
43.538200 N	☒ DD	☐ GPS008
-89.456738 W	☐ DDM	☒ SCR002
		☐ OTH001

¼ / ¼	¼	Section	Township	Range
NE	NW	08	12 N	09 ☒ E ☐ W
or Gov't Lot #				

Well Street Address:

Well City, Village or Town	Well ZIP Code
Portage	53901
Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
	_ _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Portage Cleaners, Inc

Facility ID (FID or PWS): 111043790

License/Permit/Monitoring #:

Original Well Owner: David Bieno

Present Well Owner: David Bieno

Mailing Address of Present Owner: 104 E Wisconsin st

City of Present Owner	State	ZIP Code
Portage	WI	53901

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/07/2017

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.)
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

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

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Asphalt	Surface	0.5	0.014	
Bentonite	0.5	15	0.41	

6. Comments

B-5

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
EnviroForensics		08/07/2017

Street or Route	Telephone Number
N16 W23390 Stone Ridge Dr., Suite G	(317) 972-7870

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Waukesha WI	WI	53188		8-8-2017

DNR Use Only

Date Received	Noted By

Comments:

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment 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 #
Columbia	_ _ _ _ _	

Latitude / Longitude (see instructions)	Format Code	Method Code
43.537927 N	☒ DD	☐ GPS008
-89.457020 W	☐ DDM	☒ SCR002
		☐ OTH001

¼ / ¼	¼	Section	Township	Range
NE	NW	08	12 N	09 ☒ E ☐ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Portage	53901
Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
	_ _ _ _ _

2. Facility / Owner Information

Facility Name: Portage Cleaners, Inc

Facility ID (FID or PWS): 111043790

License/Permit/Monitoring #:

Original Well Owner: David Bieno

Present Well Owner: David Bieno

Mailing Address of Present Owner: 104 E Wisconsin st

City of Present Owner	State	ZIP Code
Portage	WI	53901

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/07/2017

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.)
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

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

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Topsoil	Surface	0.5	0.014	
Bentonite	0.5	15	0.41	

6. Comments

B-6

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
EnviroForensics		08/07/2017

Street or Route	Telephone Number
N16 W23390 Stone Ridge Dr., Suite G	(317) 972-7870

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Waukesha WI	WI	53188		8-8-2017

DNR Use Only

Date Received	Noted By
Comments	

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment 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 #
Columbia		

Latitude / Longitude (see instructions)	Format Code	Method Code
43.538375 N	☒ DD	☐ GPS008
-89.458986 W	☐ DDM	☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NE	NW	08	12 N	09 ☒ E ☐ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Portage	53901

Subdivision Name	Lot #

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

2. Facility / Owner Information

Facility Name: Portage Cleaners, Inc

Facility ID (FID or PWS): 111043790

License/Permit/Monitoring #:

Original Well Owner: David Bieno

Present Well Owner: David Bieno

Mailing Address of Present Owner: 104 E Wisconsin st

City of Present Owner	State	ZIP Code
Portage	WI	53901

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/07/2017

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.)

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	

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

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Road Base	Surface	0.5	0.014	
Bentonite	0.5	15	0.41	

6. Comments

B-7

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
EnviroForensics		08/07/2017

Street or Route	Telephone Number
N16 W23390 Stone Ridge Dr., Suite G	(317) 972-7870

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Waukesha WI	WI	53188		8-8-2017

DNR Use Only

Date Received	Noted By

Comments

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment 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 #
Columbia	_ _ _ _ _ _ _	

Latitude / Longitude (see instructions)	Format Code	Method Code
43.538480 N	☒ DD	☐ GPS008
-89.458875 W	☐ DDM	☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range	
NE	NW	08	12 N	09	☒ E ☐ W
or Gov't Lot #					

Well Street Address:

Well City, Village or Town	Well ZIP Code
Portage	53901
Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
	_ _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Portage Cleaners, Inc

Facility ID (FID or PWS): 111043790

License/Permit/Monitoring #:

Original Well Owner: David Bieno

Present Well Owner: David Bieno

Mailing Address of Present Owner: 104 E Wisconsin st

City of Present Owner	State	ZIP Code
Portage	WI	53901

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/07/2017

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.)
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

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

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Road Base	Surface	0.5	0.014	
Bentonite	0.5	40	1.11	

6. Comments

B-8

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
EnviroForensics		08/07/2017

Street or Route	Telephone Number
N16 W23390 Stone Ridge Dr., Suite G	(317) 972-7870

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Waukesha WI	WI	53188		8-8-2017

DNR Use Only

Date Received	Noted By

Comments:

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☒ **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 #
Columbia	_ _ _ _ _ _	

Latitude / Longitude (see instructions)	Format Code	Method Code
43.538430 N	☒ DD	☐ GPS008
-89.458875 W	☐ DDM	☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NE	NW	08	12 N	09 ☒ E ☐ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Portage	53901

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
	_ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Portage Cleaners, Inc

Facility ID (FID or PWS): 111043790

License/Permit/Monitoring #:

Original Well Owner: David Bieno

Present Well Owner: David Bieno

Mailing Address of Present Owner: 104 E Wisconsin st

City of Present Owner	State	ZIP Code
Portage	WI	53901

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/07/2017

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.)

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	

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

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Road Base	Surface	0.5	0.014	
Bentonite	0.5	40	1.11	

6. Comments

B-8A

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
EnviroForensics		08/07/2017

Street or Route	Telephone Number
N16 W23390 Stone Ridge Dr., Suite G	(317) 972-7870

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Waukesha WI	WI	53188		8-8-2017

DNR Use Only

Date Received	Noted By

Comments

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment 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 #
Columbia	_ _ _ _ _	

Latitude / Longitude (see instructions)	Format Code	Method Code
43.538322 N	☒ DD	☐ GPS008
-89.458644 W	☐ DDM	☒ SCR002
		☐ OTH001

¼ / ¼	¼	Section	Township	Range	
NE	NW	08	12 N	09	☒ E ☐ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Portage	53901
Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
	_ _ _ _ _

2. Facility / Owner Information

Facility Name: Portage Cleaners, Inc

Facility ID (FID or PWS): 111043790

License/Permit/Monitoring #:

Original Well Owner: David Bieno

Present Well Owner: David Bieno

Mailing Address of Present Owner: 104 E Wisconsin st

City of Present Owner	State	ZIP Code
Portage	WI	53901

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/07/2017

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.)
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

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
Cement	Surface	0.5	0.014	
Bentonite	0.5	16	0.43	

6. Comments

B-9

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
EnviroForensics		08/07/2017

Street or Route	Telephone Number
N16 W23390 Stone Ridge Dr., Suite G	(317) 972-7870

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Waukesha WI	WI	53188		8-8-2017

DNR Use Only

Date Received	Noted By

Comments

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment 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 #
Columbia	_ _ _ _ _	

Latitude / Longitude (see instructions)	Format Code	Method Code
43.538339 N	☒ DD	☐ GPS008
-89.458587 W	☐ DDM	☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NE	NW	08	12 N	09 ☒ E ☐ W

or Gov't Lot #

Well Street Address

Well City, Village or Town	Well ZIP Code
Portage	53901

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
	_ _ _ _ _

2. Facility / Owner Information

Facility Name: Portage Cleaners, Inc

Facility ID (FID or PWS): 111043790

License/Permit/Monitoring #:

Original Well Owner: David Bieno

Present Well Owner: David Bieno

Mailing Address of Present Owner: 104 E Wisconsin st

City of Present Owner	State	ZIP Code
Portage	WI	53901

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/07/2017

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.)

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.3	

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

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Concrete	Surface	0.5	0.014	
Bentonite	0.5	16	0.43	

6. Comments

B-10

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
EnviroForensics		08/07/2017

Street or Route	Telephone Number
N16 W23390 Stone Ridge Dr., Suite G	(317) 972-7870

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Waukesha WI	WI	53188		8-8-2017

DNR Use Only

Date Received	Noted By

Comments

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

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment 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 #
Columbia	_ _ _ _ _ _ _	

Latitude / Longitude (see instructions)	Format Code	Method Code
43. 538349 N	☒ DD	☐ GPS008
-89. 458543 W	☐ DDM	☒ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
NE	NW	08	12 N	☒ E ☐ W
or Gov't Lot #				

Well Street Address

Well City, Village or Town	Well ZIP Code
Portage	53901
Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
	_ _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: Portage Cleaners, Inc

Facility ID (FID or PWS): 111043790

License/Permit/Monitoring #:

Original Well Owner: David Bieno

Present Well Owner: David Bieno

Mailing Address of Present Owner: 104 E Wisconsin st

City of Present Owner	State	ZIP Code
Portage	WI	53901

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/07/2017

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.)
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2.3	

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

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Concrete	Surface	0.5	0.014	
Bentonite	0.5	16	0.43	

6. Comments

B-11

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
EnviroForensics		08/07/2017

Street or Route	Telephone Number
N16 W23390 Stone Ridge Dr., Suite G	(317) 972-7870

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Waukesha WI	WI	53188		8-8-2017

DNR Use Only

Date Received	Noted By

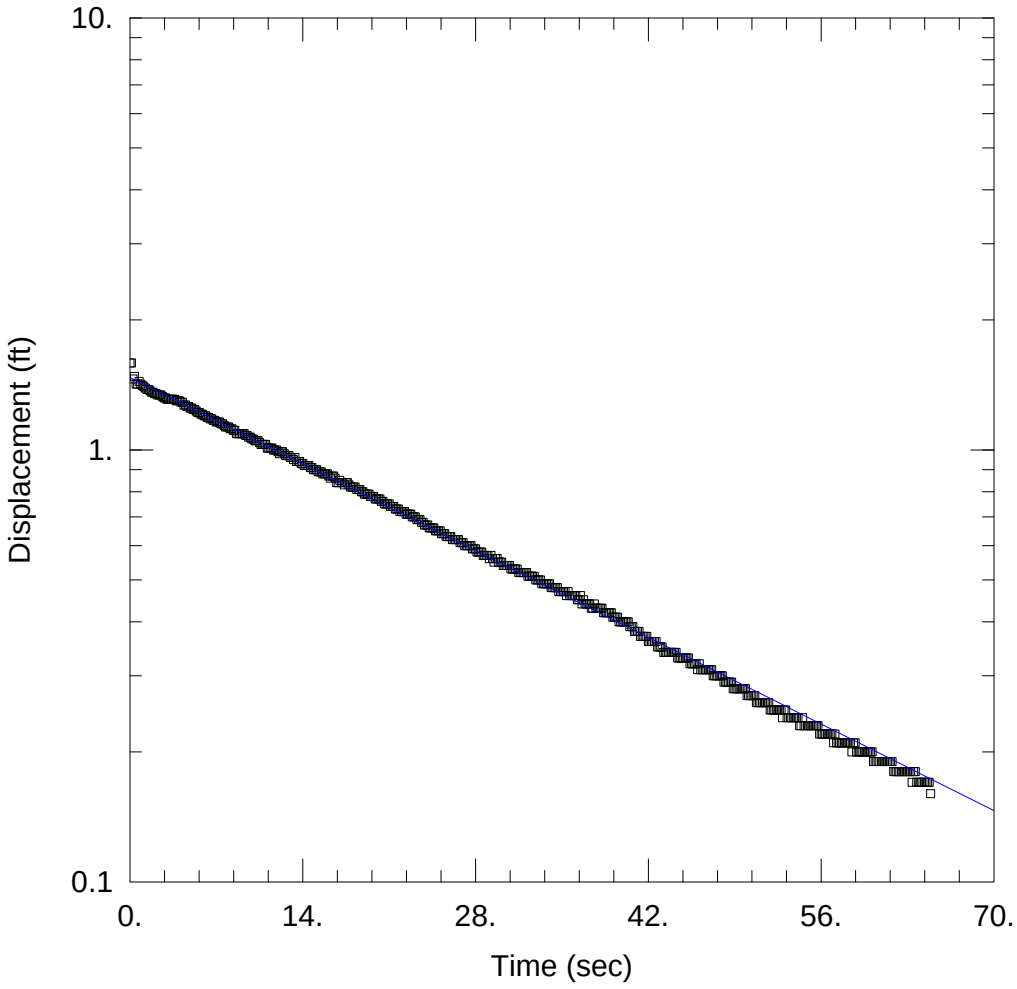
Comments

APPENDIX B

Groundwater Field Sampling Forms

APPENDIX C

Slug Test Analysis Reports



WELL TEST ANALYSIS

Data Set: K:\Shared\Heimstead, Kyle\6493 Aquifer Test Data\MW10 SI.aqt
Date: 10/24/17 Time: 15:55:36

PROJECT INFORMATION

Company: EnviroForensics
Client: Portage Cleaners
Project: 6493
Location: Portage
Test Well: MW10
Test Date: 10/6/2017

AQUIFER DATA

Saturated Thickness: 100. ft Anisotropy Ratio (Kz/Kr): 1.

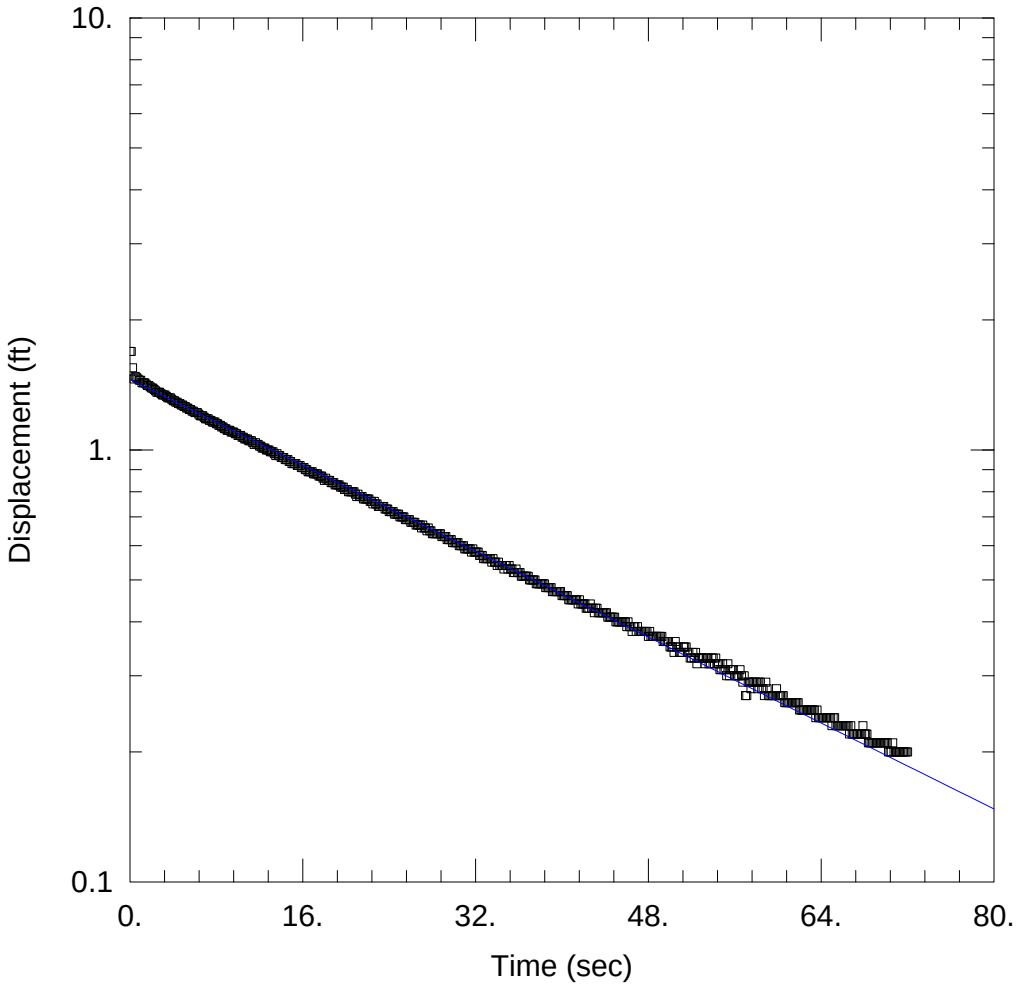
WELL DATA (MW10)

Initial Displacement: 1.59 ft
Total Well Penetration Depth: 16. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.21 ft
Screen Length: 10. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.001195 cm/sec y0 = 1.471 ft



WELL TEST ANALYSIS

Data Set: K:\Shared\Heimstead, Kyle\6493 Aquifer Test Data\MW10 SO.aqt
Date: 10/24/17 Time: 16:07:56

PROJECT INFORMATION

Company: EnviroForensics
Client: Portage Cleaners
Project: 6493
Location: Portage
Test Well: MW10
Test Date: 10/6/2017

AQUIFER DATA

Saturated Thickness: 100. ft Anisotropy Ratio (Kz/Kr): 1.

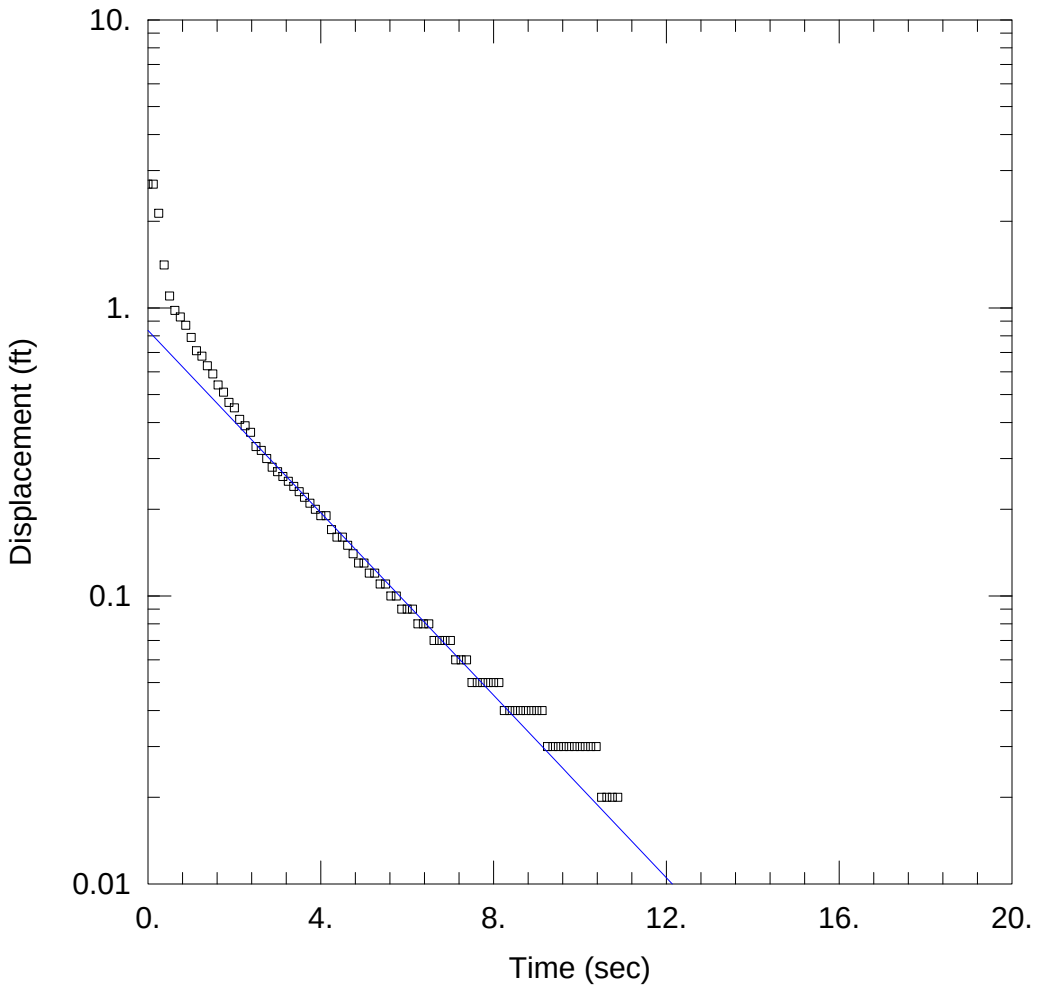
WELL DATA (MW10)

Initial Displacement: 1.69 ft
Total Well Penetration Depth: 16. ft
Casing Radius: 0.083 ft
Static Water Column Height: 7.21 ft
Screen Length: 10. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.001037 cm/sec y0 = 1.456 ft



WELL TEST ANALYSIS

Data Set: K:\Shared\Heimstead, Kyle\6493 Aquifer Test Data\MW10P SI.aqt
Date: 10/24/17 Time: 16:12:01

PROJECT INFORMATION

Company: EnviroForensics
Client: Portage Cleaners
Project: 6493
Location: Portage
Test Well: MW10P
Test Date: 10/6/2017

AQUIFER DATA

Saturated Thickness: 100. ft Anisotropy Ratio (Kz/Kr): 1.

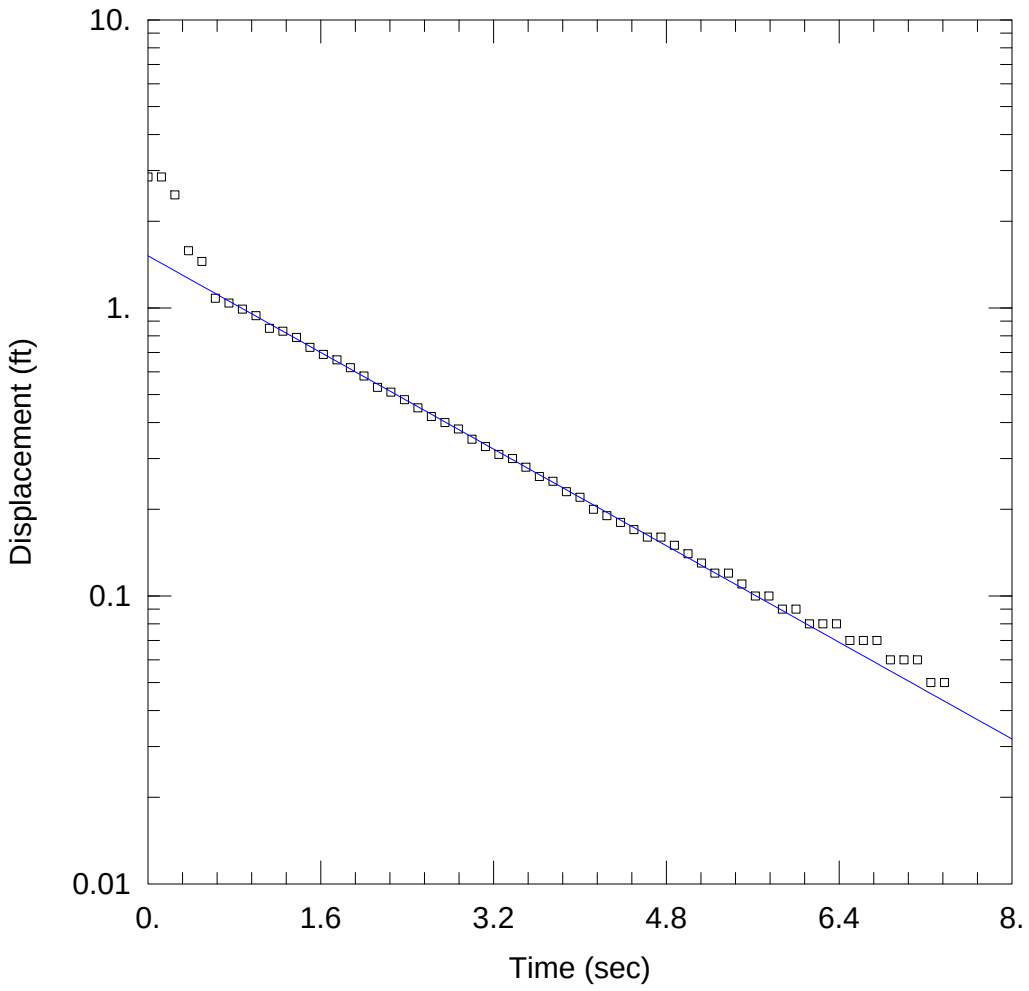
WELL DATA (MW10P)

Initial Displacement: 2.69 ft
Total Well Penetration Depth: 30. ft
Casing Radius: 0.083 ft
Static Water Column Height: 21.24 ft
Screen Length: 5. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.0258 cm/sec y0 = 0.836 ft



WELL TEST ANALYSIS

Data Set: K:\Shared\Heimstead, Kyle\6493 Aquifer Test Data\MW10P SO.aqt
Date: 10/24/17 Time: 16:14:50

PROJECT INFORMATION

Company: EnviroForensics
Client: Portage Cleaners
Project: 6493
Location: Portage
Test Well: MW10P
Test Date: 10/6/2017

AQUIFER DATA

Saturated Thickness: 100. ft Anisotropy Ratio (Kz/Kr): 1.

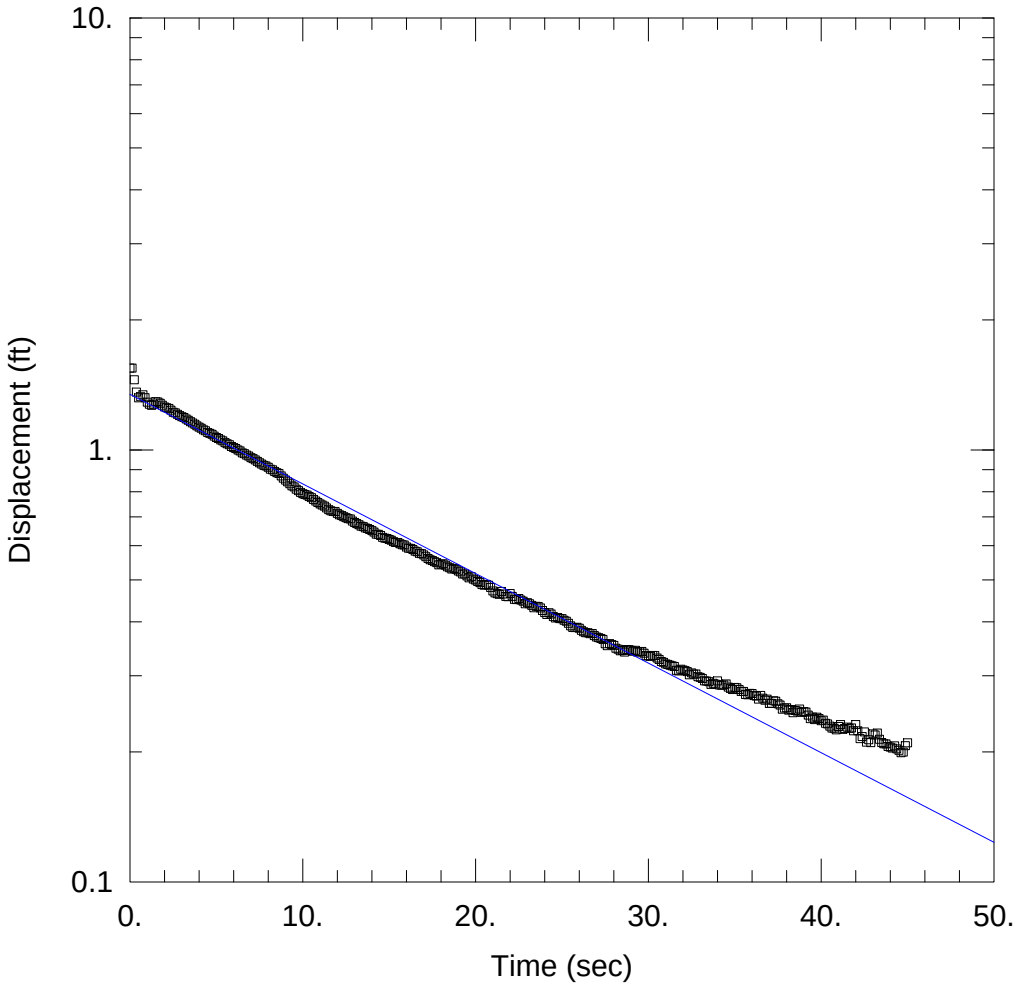
WELL DATA (MW10P)

Initial Displacement: 2.85 ft
Total Well Penetration Depth: 30. ft
Casing Radius: 0.083 ft
Static Water Column Height: 21.24 ft
Screen Length: 5. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.03417 cm/sec y0 = 1.517 ft



WELL TEST ANALYSIS

Data Set:
Date: 10/24/17 Time: 15:22:47

PROJECT INFORMATION

Company: EnviroForensics
Client: Portage Cleaners
Project: 6493
Location: Portage
Test Well: MW4
Test Date: 10/6/2017

AQUIFER DATA

Saturated Thickness: 100. ft Anisotropy Ratio (Kz/Kr): 1.

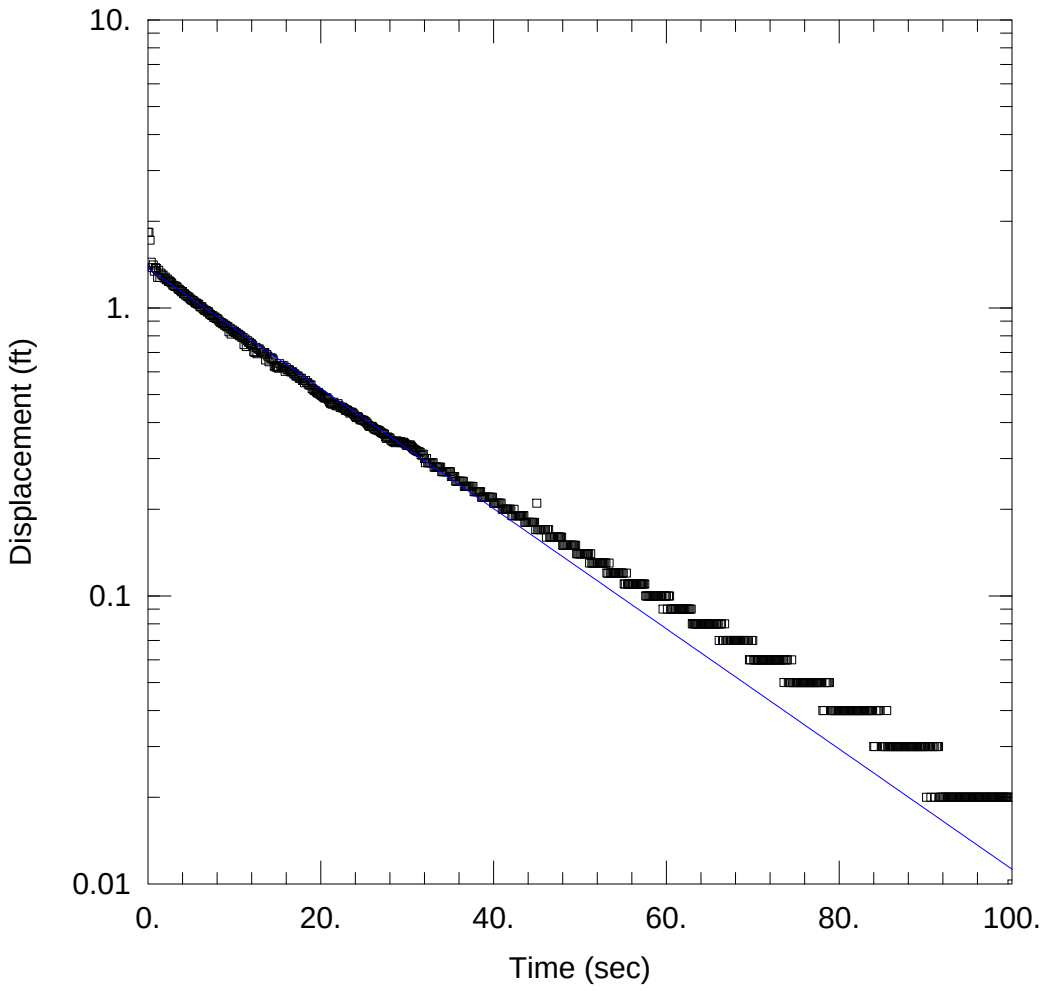
WELL DATA (MW-4)

Initial Displacement: 1.547 ft
Total Well Penetration Depth: 8.86 ft
Casing Radius: 0.083 ft
Static Water Column Height: 8.86 ft
Screen Length: 8.86 ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.001766 cm/sec y0 = 1.345 ft



WELL TEST ANALYSIS

Data Set: K:\Shared\Heimstead, Kyle\6493 Aquifer Test Data\MW4 SO.aqt
Date: 10/24/17 Time: 15:30:21

PROJECT INFORMATION

Company: EnviroForensics
Client: Portage Cleaners
Project: 6493
Location: Portage
Test Well: MW4
Test Date: 10/6/2017

AQUIFER DATA

Saturated Thickness: 100. ft Anisotropy Ratio (Kz/Kr): 1.

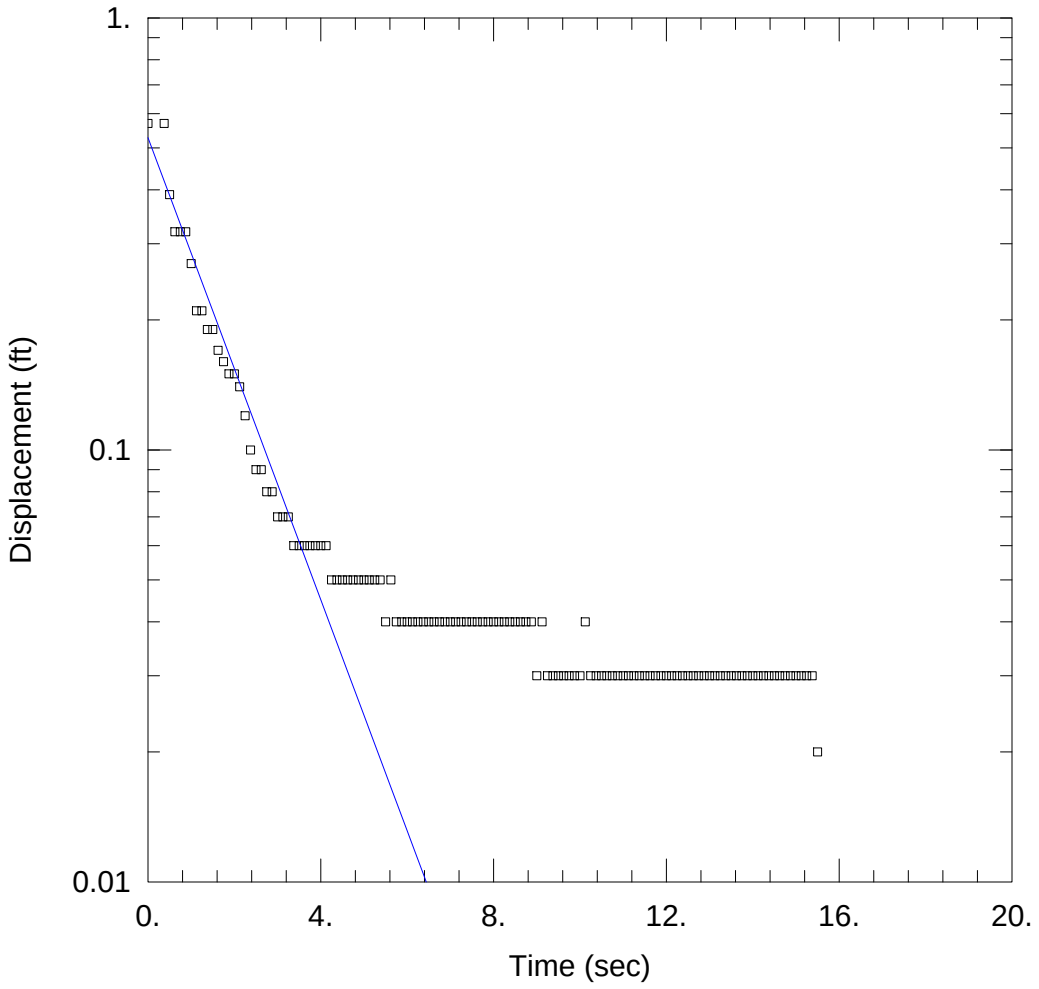
WELL DATA (MW4)

Initial Displacement: 1.83 ft
Total Well Penetration Depth: 8.86 ft
Casing Radius: 0.083 ft
Static Water Column Height: 8.86 ft
Screen Length: 8.86 ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.001777 cm/sec y0 = 1.374 ft



WELL TEST ANALYSIS

Data Set: K:\Shared\Heimstead, Kyle\6493 Aquifer Test Data\MW4P SI.aqt
Date: 10/24/17 Time: 15:43:58

PROJECT INFORMATION

Company: EnviroForensics
Client: Portage Cleaners
Project: 6493
Location: Portage
Test Well: MW4P
Test Date: 10/6/2017

AQUIFER DATA

Saturated Thickness: 100. ft Anisotropy Ratio (Kz/Kr): 1.

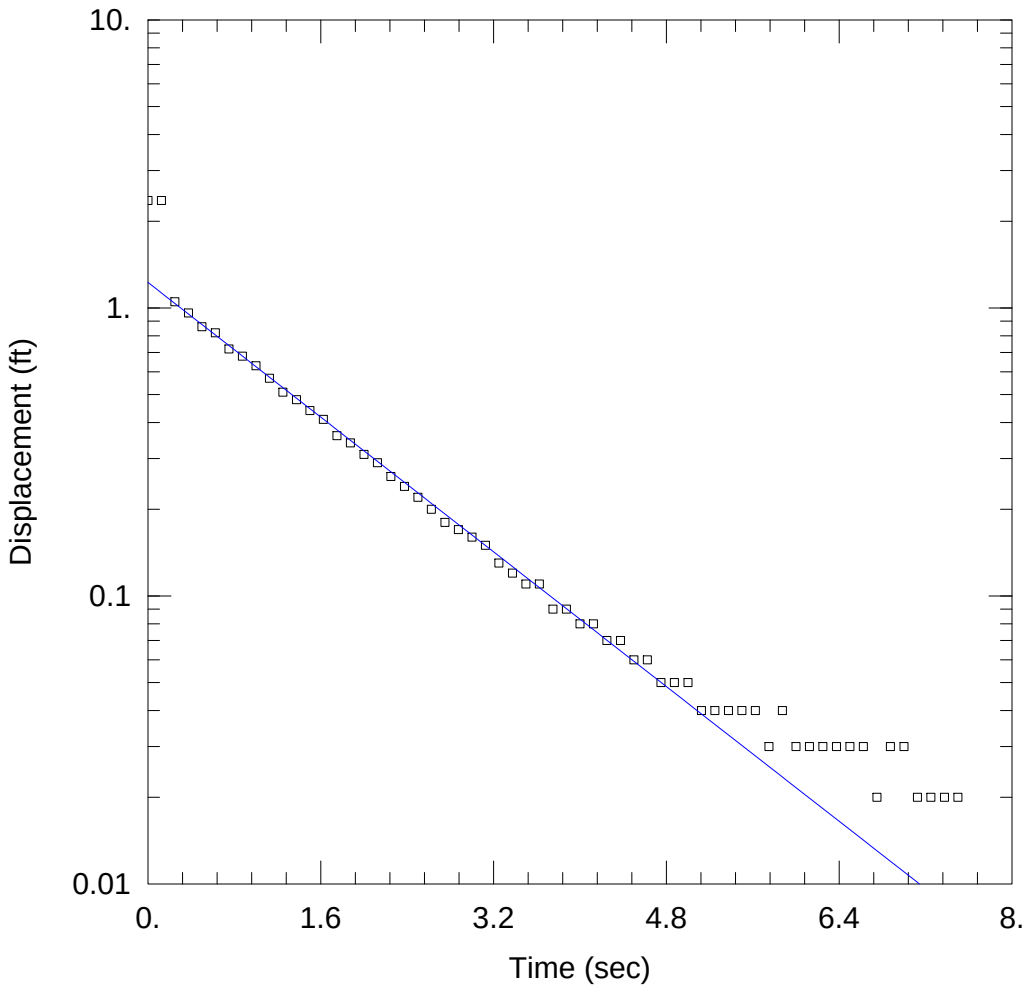
WELL DATA (MW4P)

Initial Displacement: 0.57 ft
Total Well Penetration Depth: 30. ft
Casing Radius: 0.083 ft
Static Water Column Height: 21.18 ft
Screen Length: 5. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.04357 cm/sec y0 = 0.5281 ft



WELL TEST ANALYSIS

Data Set: K:\Shared\Heimstead, Kyle\6493 Aquifer Test Data\MW4P SO.aqt
Date: 10/24/17 Time: 15:46:50

PROJECT INFORMATION

Company: EnviroForensics
Client: Portage Cleaners
Project: 6493
Location: Portage
Test Well: MW4P
Test Date: 10/6/2017

AQUIFER DATA

Saturated Thickness: 100. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW4P)

Initial Displacement: 2.36 ft
Total Well Penetration Depth: 30. ft
Casing Radius: 0.083 ft
Static Water Column Height: 21.18 ft
Screen Length: 5. ft
Well Radius: 0.083 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.04763 cm/sec y0 = 1.226 ft

APPENDIX D

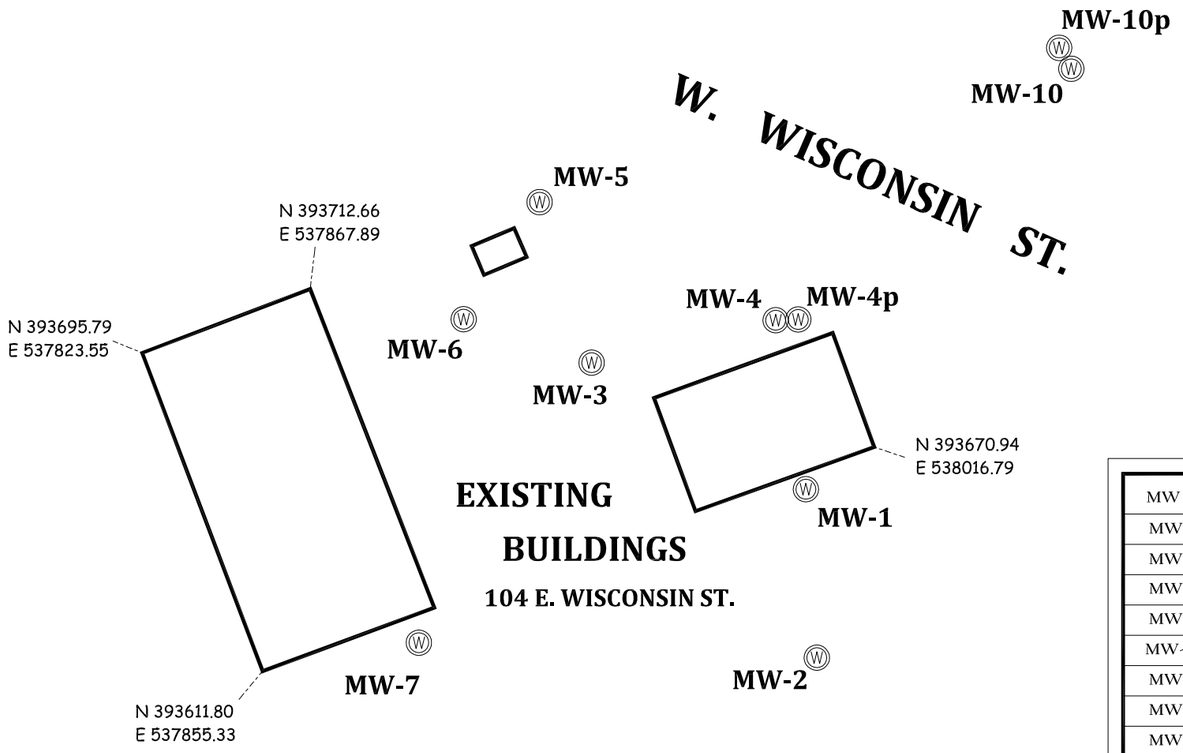
Site Survey

SURVEYING ASSOCIATES, INC.
MEMBER OF WISCONSIN SOCIETY OF LAND SURVEYORS
& NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS

sai@wi.rr.com
2554 N. 100TH STREET
P.O. BOX 26596
WAUWATOSA, WISCONSIN 53226
(414) 257-2212 FAX: (414) 257-2443

MARC C. PASSARELLI P.L.S.

MONITORING WELL LOCATION SURVEY



BASEPOINTS FOR COORDINATES :

Columbia County Monument No. 207
French Claim Monument, 2" Pipe with
Alum. Cap. N: 394,459.33, E: 543,481.72

Columbia County Monument No. 301516
Meander Corner, Monument with Cap
N: 394,210.82, E: 531,386.84

Horizontal Datun : NAD 1983
Vertical Datum : NGVD 1929

MW NO.	NORTHING	EASTING	TOP OF LID	PVC
MW-1	N : 393,659.81	E : 537,998.74	791.27'	790.47'
MW-2	N : 393,615.34	E : 538,001.64	790.29'	789.83'
MW-3	N : 393,693.14	E : 537,942.19	792.07'	792.44'
MW-4	N : 393,704.58	E : 537,992.74	792.83'	792.38'
MW-4p	N : 393,704.45	E : 537,995.38	792.84'	792.33'
MW-5	N : 393,735.33	E : 537,928.40	793.28'	792.98'
MW-6	N : 393,704.64	E : 537,908.61	791.88'	791.37'
MW-7	N : 393,619.31	E : 537,896.58	790.82'	790.25'
MW-8	N : 393,466.47	E : 537,971.57	790.57'	790.23'
MW-9	N : 393,693.74	E : 538,201.19	791.80'	791.25'
MW-10	N : 393,772.15	E : 538,068.04	792.68'	792.25'
MW-10p	N : 393,774.93	E : 538,066.65	792.62'	792.05'

SCALE : 1" = 40'

50' 40' 30' 20' 10' 5' 0 25' 50'

WISCONSIN
MARC C. PASSARELLI
S-2817
FRANKLIN, WI
LAND SURVEYOR

NOTE : THIS IS NOT AN ORIGINAL SURVEY UNLESS THIS SEAL IS RED.

Marc Passarelli
WISCONSIN REGISTERED LAND SURVEYOR

Surveyed for: ***THE VERTEX COMPANIES, INC.***

"I have surveyed the above described property and the above map is a true representation thereof and shows the size and location of the property, its exterior boundaries, the location and dimensions of all structures thereon, fences, apparent easements and roadways and visible encroachments, if any.

"This survey is made for the exclusive use of the present owners of the property, and also those who purchase, mortgage, or guarantee the title thereto within one (1) year from date hereof; and as to them I warrant the accuracy of said survey map.

11/21/2017	MWW	12/07/2017	MCP	35142
FIELD WORK DATE	FIELD WORK BY	DATE DRAFTED	DRAFTED BY	JOB NUMBER

APPENDIX E

Air and Vapor Field Sampling Forms

ENVIROforensics

Sub-Slab Vapor Field Sampling Form

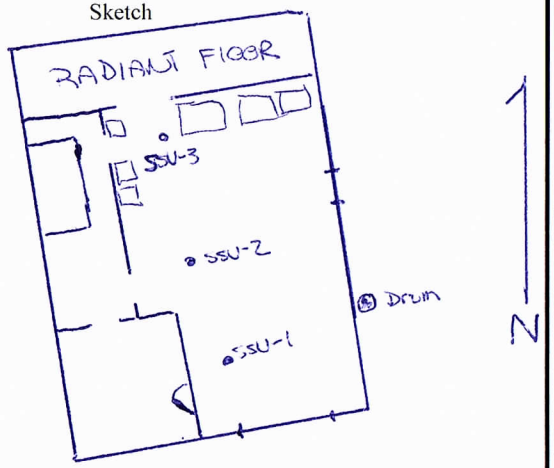
825 N Capitol Avenue
Indianapolis, IN 64204-1365
(317) 972-7870

Project Name: 6493 - Portage Cleaners
Project Number:
Project Address: 104 W. Wisconsin St
Client/Contact: David Biene

Property Address: 109 W. Wisconsin St
Portage, WI
Sampler(s): K Vander Heiden / N. Duda

Sample ID	Canister ID	Flow Controller ID	Date mm/dd/yyyy	Time Start hh:mm	Time End hh:mm	Vacuum Reading Initial in. Hg	Vacuum Reading Final in. Hg	Negative Pressure Test: Induced -15 in Hg on sample train and pressure held? (yes/no)		Water Dam Test: Air bubbles observed or water level drop? (yes/no)		Sub-Slab Vapor Pressure in H_2O
~~08/07/201~~ KV								yes	no	yes	no	
6493-109-SSV-1	83982	NA	08/07/17	0819	1824	-28	-2	yes	no	yes	no	0
6493-109-SSV-2	2094	NA	08/07/17	1828	1832	-28	-2	yes	no	yes	no	0
6493-109-SSV-3	83817	NA	08/07/17	1835	1840	-29	-2	yes	no	yes	no	0
								yes	no	yes	no	
								yes	no	yes	no	

Sketch



Wind Direction	Wind Speed mph	Temperature °F	Relative Humidity %	Barometric Pressure in. of Hg
NE	2	76	71	0.28

Notes:

ENVIROforensics

Indoor/Outdoor Air Field Sampling Form

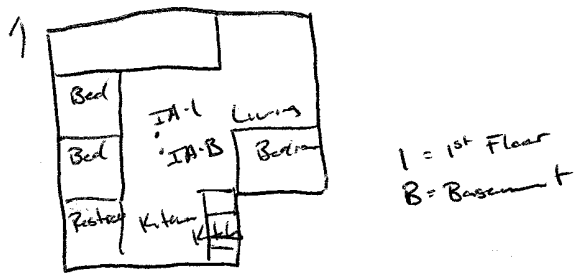
825 N Capitol Avenue
Indianapolis, IN 64204-1365
(317) 972-7870

Project Name: Portage Cleaners
Project Number: 6493
Project Address: 104 W. Wisconsin Ave, Portage WI
Client/Contact: David Bieno

Property Address: 105 Warren St. Portage, WI
Sampler(s): K. Heimstead

Sample ID	Canister ID	Flow Controller ID	Date Start mm/dd/yyyy	Time Start hh:mm	Date End mm/dd/yyyy	Time End hh:mm	Vacuum Reading Initial in. Hg	Vacuum Reading Final in. Hg
6493-105 Warren St-IA-B	14114	07254	9/6/17	10:20	9/7/17	1010	-29	-5
6493-105 Warren St-IA-1	91607	05217	9/6/17	10:22	9/7/17	1013	-29	-5
6493-OA[illegible]-1-24Hr	19565	07458	9/6/17	10:32	9/7/17	1015	-29	-5

Sketch



	Wind Direction	Wind Speed mph	Temperature °F	Relative Humidity %	Barometric Pressure in. of Hg
Start	WNW	0-10	53	73	30.07
End	NW	0-10	56	76	30.04

Notes:

Duplicate ID:

ENVIROforensics

Sub-Slab Vapor Field Sampling Form

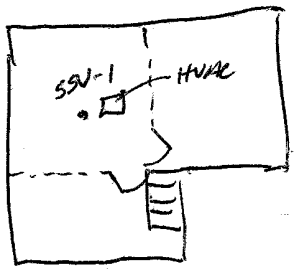
825 N Capitol Avenue
Indianapolis, IN 64204-1365
(317) 972-7870

Project Name: Portage cleaners
Project Number: 6493
Project Address: 104 W. Wisconsin Ave, Portage WI
Client/Contact: David Bieno

Property Address: 105 Warren St
Portage WI
Sampler(s): K. Hemstead

Sample ID	Canister ID	Flow Controller ID	Date mm/dd/yyyy	Time Start hh:mm	Time End hh:mm	Vacuum Reading Initial in. Hg	Vacuum Reading Final in. Hg	Negative Pressure Test Induced -15 in Hg on sample train and pressure held? (yes/no)		Water Dam Test Air bubbles observed or water level drop? (yes/no)		Sub-Slab Vapor Pressure in H_2O
6493-105 Warren St.-SSV-1	83818	NA	9/7/17	1042	1047	-29	-2	(yes)	no	yes	(no)	-0.000
								yes	no	yes	no	
								yes	no	yes	no	
								yes	no	yes	no	
								yes	no	yes	no	
								yes	no	yes	no	

Sketch



Wind Direction	Wind Speed mph	Temperature °F	Relative Humidity %	Barometric Pressure in. of Hg
NW	0-10	56	76	30.04

Notes:
- Slab ~5" thick
- Silty Sandy Fill
- Permanent Point

ENVIROforensics

Indoor/Outdoor Air Field Sampling Form

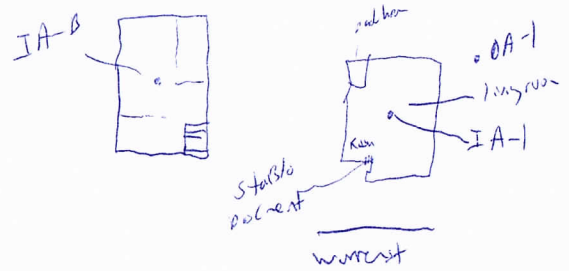
825 N Capitol Avenue
Indianapolis, IN 64204-1365
(317) 972-7870

Project Name: Portage Cleaners
Project Number: 6493
Project Address:
Client/Contact: David Bien

Property Address: 105 Waren St
Portage, IN
Sampler(s): Nate Duda

Sample ID	Canister ID	Flow Controller ID	Date Start mm/dd/yyyy	Time Start hh:mm	Date End mm/dd/yyyy	Time End hh:mm	Vacuum Reading Initial in. Hg	Vacuum Reading Final in. Hg
6493-OA-1	14128	03059	12/05/2017	10:57	12/06/2017	10:56	-29	-5
6493_105 Warenst-IA-1	4693	07303	12/05/2017	10:52	12/06/2017	11:02	-29	-5
6493-105 Warenst-IA-B	16066	07441	12/05/2017	10:55	12/06/2017	11:01	-29	-3

Sketch



	Wind Direction	Wind Speed mph	Temperature °F	Relative Humidity %	Barometric Pressure in. of Hg
Start	26	SW	30°	59	29.77
End	15	WNW	28°	58%	29.91

Notes:

Duplicate ID:

ENVIRO forensics

Sub-Slab Vapor Field Sampling Form

825 N Capitol Avenue
Indianapolis, IN 64204-1365
(317) 972-7870

Project Name: Portage Cleaners

Project Number: 6493

Project Address:

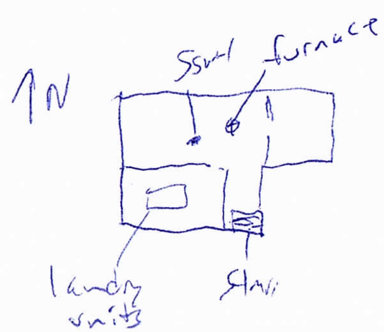
Client/Contact: David Bieno

Property Address: 105 warren st, Portage, WI

Sampler(s): Nate Duda

Sample ID	Canister ID	Flow Controller ID	Date mm/dd/yyyy	Time Start hh:mm	Time End hh:mm	Vacuum Reading Initial in. Hg	Vacuum Reading Final in. Hg	Negative Pressure Test: Induced -15 in Hg on sample train and pressure held? (yes/no)		Water Dam Test: Air bubbles observed or water level drop? (yes/no)		Sub-Slab Vapor Pressure in H_2O
6493-105warrenst-SSV1	03977	0899	12/06/2017	11:15	11:20	-27	-4	yes (circled)	no	yes	no (circled)	0.000
								yes	no	yes	no	
								yes	no	yes	no	
								yes	no	yes	no	
								yes	no	yes	no	
								yes	no	yes	no	

Sketch



Wind Direction	Wind Speed mph	Temperature °F	Relative Humidity %	Barometric Pressure in. of Hg
WNW	15	28	58	28.91

Notes:

APPENDIX F

Soil, Grab Groundwater, and Monitoring Well Sample Analytical Reports

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ROB HOVERMAN
ENVIROFORENSICS
825 N. CAPITOL AVENUE
INDIANAPOLIS, IN 46204

Report Date *23-Aug-17*

Project Name PORTAGE CLEANERS
Project # 6493 PO#2017-1070

Invoice # E33384

Lab Code 5033384A
Sample ID 6493 B-1 1-3'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.8	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/15/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/15/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/15/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/15/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/15/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/15/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/15/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/15/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/15/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/15/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/15/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/15/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/15/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/15/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/15/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384A
Sample ID 6493 B-1 1-3'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/15/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/15/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/15/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/15/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/15/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/15/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/15/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
Tetrachloroethene	0.036 "J"	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/15/2017	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/15/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/15/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/15/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/15/2017	CJR	1
SUR - Toluene-d8	98	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Dibromofluoromethane	98	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	105	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	78	Rec %			1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384B
Sample ID 6493 B-1 10-12'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.4	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/15/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/15/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/15/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/15/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/15/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/15/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/15/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/15/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/15/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/15/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/15/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/15/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/15/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/15/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/15/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/15/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/15/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/15/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/15/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/15/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/15/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/15/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384B
Sample ID 6493 B-1 10-12'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/15/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/15/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/15/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	93	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Dibromofluoromethane	97	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Toluene-d8	99	Rec %			1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384C
Sample ID 6493 B-1 5-10'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/14/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/14/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		8/14/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/14/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/14/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/14/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/14/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/14/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/14/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/14/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		8/14/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/14/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/14/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/14/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/14/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/14/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/14/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		8/14/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/14/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/14/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/14/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/14/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/14/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/14/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/14/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/14/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/14/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/14/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/14/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/14/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/14/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/14/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		8/14/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/14/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/14/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/14/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/14/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/14/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384C
Sample ID 6493 B-1 5-10'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/14/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/14/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/14/2017	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		8/14/2017	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		8/14/2017	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		8/14/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384D
Sample ID 6493 B-2 2-4'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.3	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/15/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/15/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/15/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/15/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/15/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/15/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/15/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/15/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/15/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/15/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/15/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/15/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/15/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/15/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/15/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/15/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/15/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/15/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/15/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/15/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/15/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/15/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384D
Sample ID 6493 B-2 2-4'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/15/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/15/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/15/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/15/2017	CJR	1
SUR - Toluene-d8	97	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Dibromofluoromethane	101	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	97	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	104	Rec %			1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384E
Sample ID 6493 B-2 5-10'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/14/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/14/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		8/14/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/14/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/14/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/14/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/14/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/14/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/14/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/14/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		8/14/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/14/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/14/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/14/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/14/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/14/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/14/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		8/14/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/14/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/14/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/14/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/14/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/14/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/14/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/14/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/14/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/14/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/14/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/14/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/14/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/14/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/14/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		8/14/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/14/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/14/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/14/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/14/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/14/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384E
Sample ID 6493 B-2 5-10'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/14/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/14/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/14/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		8/14/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		8/14/2017	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		8/14/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384F
Sample ID 6493 B-3 4-6'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.0	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/15/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/15/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/15/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/15/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/15/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/15/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/15/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/15/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/15/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/15/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/15/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/15/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/15/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/15/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/15/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/15/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/15/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/15/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/15/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/15/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/15/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/15/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384F
Sample ID 6493 B-3 4-6'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/15/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/15/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/15/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/15/2017	CJR	1
SUR - Dibromofluoromethane	96	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Toluene-d8	99	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	103	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	Rec %			1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384G
Sample ID 6493 B-3 12-13'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.0	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/15/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/15/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/15/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/15/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/15/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/15/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/15/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/15/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/15/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/15/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/15/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/15/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/15/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/15/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/15/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/15/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/15/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/15/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/15/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/15/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/15/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/15/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384G
Sample ID 6493 B-3 12-13'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/15/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/15/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/15/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/15/2017	CJR	1
SUR - Toluene-d8	98	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Dibromofluoromethane	93	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	87	Rec %			1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384H
Sample ID 6493 B-3 5-10'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/14/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/14/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		8/14/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/14/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/14/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/14/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/14/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/14/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/14/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/14/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		8/14/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/14/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/14/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/14/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/14/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/14/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/14/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		8/14/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/14/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/14/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/14/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/14/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/14/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/14/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/14/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/14/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/14/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/14/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/14/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/14/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/14/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/14/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		8/14/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/14/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/14/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/14/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/14/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/14/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384H
Sample ID 6493 B-3 5-10'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/14/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/14/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/14/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		8/14/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		8/14/2017	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		8/14/2017	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384I
Sample ID 6493 B-4 4-6'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.6	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/15/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/15/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/15/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/15/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/15/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/15/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/15/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/15/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/15/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/15/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/15/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/15/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/15/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/15/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/15/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/15/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/15/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/15/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/15/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/15/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/15/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/15/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384I
Sample ID 6493 B-4 4-6'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/15/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/15/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/15/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/15/2017	CJR	1
SUR - Dibromofluoromethane	96	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Toluene-d8	97	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	93	Rec %			1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384J
Sample ID 6493 B-4 5-10'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/14/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/14/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		8/14/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/14/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/14/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/14/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/14/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/14/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/14/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/14/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		8/14/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/14/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/14/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/14/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/14/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/14/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/14/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		8/14/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/14/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/14/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/14/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/14/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/14/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/14/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/14/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/14/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/14/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/14/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/14/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/14/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/14/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/14/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		8/14/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/14/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/14/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/14/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/14/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/14/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384J
Sample ID 6493 B-4 5-10'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/14/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/14/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/14/2017	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		8/14/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		8/14/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		8/14/2017	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384K
Sample ID 6493 B-5 4-6'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.3	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/15/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/15/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/15/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/15/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/15/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/15/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/15/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/15/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/15/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/15/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/15/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/15/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/15/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/15/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/15/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/15/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/15/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/15/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/15/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/15/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/15/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/15/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384K
Sample ID 6493 B-5 4-6'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/15/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/15/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/15/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	105	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Dibromofluoromethane	99	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Toluene-d8	96	Rec %			1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384L
Sample ID 6493 B-5 5-10'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/14/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/14/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		8/14/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/14/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/14/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/14/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/14/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/14/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/14/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/14/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		8/14/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/14/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/14/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/14/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/14/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/14/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/14/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		8/14/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/14/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/14/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/14/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/14/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/14/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/14/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/14/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/14/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/14/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/14/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/14/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/14/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/14/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/14/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		8/14/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/14/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/14/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/14/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/14/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/14/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384L
Sample ID 6493 B-5 5-10'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/14/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/14/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/14/2017	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		8/14/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		8/14/2017	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		8/14/2017	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384M
Sample ID 6493 B-6 4-5'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.8	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/15/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/15/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/15/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/15/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/15/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/15/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/15/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/15/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/15/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/15/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/15/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/15/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/15/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/15/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/15/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/15/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/15/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/15/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/15/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/15/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/15/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/15/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384M
Sample ID 6493 B-6 4-5'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/15/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/15/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/15/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/15/2017	CJR	1
SUR - Toluene-d8	96	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Dibromofluoromethane	95	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	95	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	99	Rec %			1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384N
Sample ID 6493 B-6 11-13'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.4	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/15/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/15/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/15/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/15/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/15/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/15/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/15/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/15/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/15/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/15/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/15/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/15/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/15/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/15/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/15/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/15/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/15/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/15/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/15/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/15/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/15/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/15/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384N
Sample ID 6493 B-6 11-13'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/15/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/15/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/15/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	93	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	101	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Dibromofluoromethane	95	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Toluene-d8	98	Rec %			1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384O
Sample ID 6493 B-6 5-10'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/14/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/14/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		8/14/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/14/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/14/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/14/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/14/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/14/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/14/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/14/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		8/14/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/14/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/14/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/14/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/14/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/14/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/14/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		8/14/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/14/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/14/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/14/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/14/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/14/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/14/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/14/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/14/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/14/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/14/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/14/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/14/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/14/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/14/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		8/14/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/14/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/14/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/14/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/14/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/14/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384O
Sample ID 6493 B-6 5-10'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/14/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/14/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/14/2017	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		8/14/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		8/14/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		8/14/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384P
Sample ID 6493 B-7 2-4'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.5	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/15/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/15/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/15/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/15/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/15/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/15/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/15/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/15/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/15/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/15/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/15/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/15/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/15/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/15/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/15/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/15/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/15/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/15/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/15/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/15/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/15/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/15/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
Tetrachloroethene	0.295	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384P
Sample ID 6493 B-7 2-4'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/15/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/15/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/15/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/15/2017	CJR	1
SUR - Toluene-d8	93	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Dibromofluoromethane	100	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	96	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	Rec %			1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384Q
Sample ID 6493 B-7 5-10'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/14/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/14/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		8/14/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/14/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/14/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/14/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/14/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/14/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/14/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/14/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		8/14/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/14/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/14/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/14/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/14/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Dichlorodifluoromethane	0.40 "J"	ug/l	0.38	1.2	1	8260B		8/14/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/14/2017	CJR	1
cis-1,2-Dichloroethene	2.43	ug/l	0.41	1.29	1	8260B		8/14/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/14/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/14/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/14/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/14/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/14/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/14/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/14/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/14/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/14/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/14/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/14/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/14/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/14/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/14/2017	CJR	1
Tetrachloroethene	25.4	ug/l	0.48	1.52	1	8260B		8/14/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/14/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/14/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/14/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/14/2017	CJR	1
Trichloroethene (TCE)	4.1	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/14/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384Q
Sample ID 6493 B-7 5-10'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/14/2017	CJR	1
Vinyl Chloride	1.14	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/14/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/14/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		8/14/2017	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		8/14/2017	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		8/14/2017	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384R
Sample ID 6493 B-8 36-40'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/14/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/14/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		8/14/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/14/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/14/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/14/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/14/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/14/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/14/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/14/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		8/14/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/14/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/14/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/14/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/14/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/14/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/14/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		8/14/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/14/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/14/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/14/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/14/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/14/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/14/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/14/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/14/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/14/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/14/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/14/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/14/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/14/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/14/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		8/14/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/14/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/14/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/14/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/14/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/14/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384R
Sample ID 6493 B-8 36-40'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/14/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/14/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/14/2017	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		8/14/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	105	REC %			1	8260B		8/14/2017	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		8/14/2017	CJR	1
SUR - Dibromofluoromethane	104	REC %			1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384S
Sample ID 6493 B-8 30-34'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/14/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/14/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		8/14/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/14/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/14/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/14/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/14/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/14/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/14/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/14/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		8/14/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/14/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/14/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/14/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/14/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/14/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/14/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		8/14/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/14/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/14/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/14/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/14/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/14/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/14/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/14/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/14/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/14/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/14/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/14/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/14/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/14/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/14/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		8/14/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/14/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/14/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/14/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/14/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/14/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384S
Sample ID 6493 B-8 30-34'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/14/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/14/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/14/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		8/14/2017	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		8/14/2017	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		8/14/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384T
Sample ID 6493 B-8 25-29'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/14/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/14/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		8/14/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/14/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/14/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/14/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/14/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/14/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/14/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/14/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		8/14/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/14/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/14/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/14/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/14/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/14/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/14/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		8/14/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/14/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/14/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/14/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/14/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/14/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/14/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/14/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/14/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/14/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/14/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/14/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/14/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/14/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/14/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		8/14/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/14/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/14/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/14/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/14/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/14/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384T
Sample ID 6493 B-8 25-29'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/14/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/14/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/14/2017	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		8/14/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		8/14/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		8/14/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384U
Sample ID 6493 B-8 20-24'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/14/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/14/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		8/14/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/14/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/14/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/14/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/14/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/14/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/14/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/14/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		8/14/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/14/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/14/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/14/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/14/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/14/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/14/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/14/2017	CJR	1
cis-1,2-Dichloroethene	1.89	ug/l	0.41	1.29	1	8260B		8/14/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/14/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/14/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/14/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/14/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/14/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/14/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/14/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/14/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/14/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/14/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/14/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/14/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/14/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/14/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/14/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/14/2017	CJR	1
Tetrachloroethene	3.5	ug/l	0.48	1.52	1	8260B		8/14/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/14/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/14/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/14/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/14/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/14/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		8/14/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/14/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384U
Sample ID 6493 B-8 20-24'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/14/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/14/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/14/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/14/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		8/14/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		8/14/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		8/14/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		8/14/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384V
Sample ID 6493 B-9 2-4'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.4	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/15/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/15/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/15/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/15/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/15/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/15/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/15/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/15/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/15/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/15/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/15/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/15/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/15/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/15/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/15/2017	CJR	1
cis-1,2-Dichloroethene	0.43	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/15/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/15/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/15/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/15/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/15/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/15/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/15/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/15/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/15/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/15/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/15/2017	CJR	1
Tetrachloroethene	142	mg/kg	1.6	5	50	8260B		8/17/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384V
Sample ID 6493 B-9 2-4'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/15/2017	CJR	1
Trichloroethene (TCE)	0.76	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/15/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/15/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/15/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	97	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Toluene-d8	95	Rec %			1	8260B		8/15/2017	CJR	1
SUR - Dibromofluoromethane	100	Rec %			1	8260B		8/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	Rec %			1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384W
Sample ID 6493 B-9 6-8'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.8	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/16/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/16/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/16/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/16/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/16/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/16/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/16/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/16/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/16/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/16/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/16/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/16/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/16/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/16/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/16/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/16/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/16/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/16/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/16/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/16/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/16/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/16/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/16/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/16/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/16/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/16/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/16/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/16/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/16/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/16/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/16/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/16/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/16/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/16/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/16/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/16/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/16/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/16/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/16/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/16/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/16/2017	CJR	1
Tetrachloroethene	2.86	mg/kg	0.032	0.1	1	8260B		8/16/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/16/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/16/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/16/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/16/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384W
Sample ID 6493 B-9 6-8'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/16/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		8/16/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/16/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/16/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/16/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/16/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/16/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/16/2017	CJR	1
SUR - Toluene-d8	97	Rec %			1	8260B		8/16/2017	CJR	1
SUR - Dibromofluoromethane	99	Rec %			1	8260B		8/16/2017	CJR	1
SUR - 4-Bromofluorobenzene	95	Rec %			1	8260B		8/16/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	94	Rec %			1	8260B		8/16/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384X
Sample ID 6493 B-10 1-2'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.3	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/16/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/16/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/16/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/16/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/16/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/16/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/16/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/16/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/16/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/16/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/16/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/16/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/16/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/16/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/16/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/16/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/16/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/16/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/16/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/16/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/16/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/16/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/16/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/16/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/16/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/16/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/16/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/16/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/16/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/16/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/16/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/16/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/16/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/16/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/16/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/16/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/16/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/16/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/16/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/16/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/16/2017	CJR	1
Tetrachloroethene	22.3	mg/kg	0.32	1	10	8260B		8/17/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/16/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/16/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/16/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/16/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384X
Sample ID 6493 B-10 1-2'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/16/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		8/16/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/16/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/16/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/16/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/16/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/16/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/16/2017	CJR	1
SUR - Toluene-d8	97	Rec %			1	8260B		8/16/2017	CJR	1
SUR - Dibromofluoromethane	102	Rec %			1	8260B		8/16/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	Rec %			1	8260B		8/16/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	101	Rec %			1	8260B		8/16/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384Y
Sample ID 6493 B-10 4-6'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.3	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/16/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/16/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/16/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/16/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/16/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/16/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/16/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/16/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/16/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/16/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/16/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/16/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/16/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/16/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/16/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/16/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/16/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/16/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/16/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/16/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/16/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/16/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/16/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/16/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/16/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/16/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/16/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/16/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/16/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/16/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/16/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/16/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/16/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/16/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/16/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/16/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/16/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/16/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/16/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/16/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/16/2017	CJR	1
Tetrachloroethene	108	mg/kg	1.6	5	50	8260B		8/17/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/16/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/16/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/16/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/16/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384Y
Sample ID 6493 B-10 4-6'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/16/2017	CJR	1
Trichloroethene (TCE)	0.47	mg/kg	0.041	0.13	1	8260B		8/16/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/16/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/16/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/16/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/16/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/16/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/16/2017	CJR	1
SUR - Toluene-d8	96	Rec %			1	8260B		8/16/2017	CJR	1
SUR - Dibromofluoromethane	97	Rec %			1	8260B		8/16/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	Rec %			1	8260B		8/16/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	94	Rec %			1	8260B		8/16/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384Z
Sample ID 6493 B-10 7-12'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/15/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/15/2017	CJR	1
Bromodichloromethane	4.2	ug/l	0.31	1	1	8260B		8/15/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/15/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/15/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/15/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/15/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/15/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/15/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/15/2017	CJR	1
Chloroform	10.9	ug/l	0.96	3.04	1	8260B		8/15/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/15/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/15/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/15/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/15/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/15/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/15/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/15/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		8/15/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/15/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/15/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/15/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/15/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/15/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/15/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/15/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/15/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/15/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/15/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/15/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/15/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/15/2017	CJR	1
Tetrachloroethene	104	ug/l	0.48	1.52	1	8260B		8/15/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/15/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/15/2017	CJR	1
Trichloroethene (TCE)	0.48 "J"	ug/l	0.45	1.43	1	8260B		8/15/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 5033384Z
Sample ID 6493 B-10 7-12'
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/15/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/15/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/15/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		8/15/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		8/15/2017	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		8/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		8/15/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 533384AA
Sample ID 6493 B-11 4-5'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.5	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/17/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/17/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/17/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/17/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/17/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/17/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/17/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/17/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/17/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/17/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/17/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/17/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/17/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/17/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/17/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/17/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/17/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/17/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/17/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/17/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/17/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/17/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/17/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/17/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/17/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/17/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/17/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/17/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/17/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/17/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/17/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/17/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/17/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/17/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/17/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/17/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/17/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/17/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/17/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/17/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/17/2017	CJR	1
Tetrachloroethene	51	mg/kg	0.32	1	10	8260B		8/21/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/17/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/17/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/17/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/17/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 533384AA
Sample ID 6493 B-11 4-5'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/17/2017	CJR	1
Trichloroethene (TCE)	0.109 "J"	mg/kg	0.041	0.13	1	8260B		8/17/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/17/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/17/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/17/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/17/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/17/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/17/2017	CJR	1
SUR - Toluene-d8	95	Rec %			1	8260B		8/17/2017	CJR	1
SUR - Dibromofluoromethane	93	Rec %			1	8260B		8/17/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	Rec %			1	8260B		8/17/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	97	Rec %			1	8260B		8/17/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 533384BB
Sample ID 6493 B-11 8-10'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	80.3	%			1	5021		8/11/2017	NJC	1
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		8/17/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		8/17/2017	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		8/17/2017	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		8/17/2017	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		8/17/2017	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/17/2017	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		8/17/2017	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		8/17/2017	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		8/17/2017	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		8/17/2017	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		8/17/2017	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		8/17/2017	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		8/17/2017	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		8/17/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		8/17/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/17/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/17/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		8/17/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		8/17/2017	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		8/17/2017	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		8/17/2017	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		8/17/2017	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		8/17/2017	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/17/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		8/17/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		8/17/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		8/17/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		8/17/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		8/17/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		8/17/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		8/17/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		8/17/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		8/17/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		8/17/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		8/17/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		8/17/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		8/17/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		8/17/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		8/17/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		8/17/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		8/17/2017	CJR	1
Tetrachloroethene	49	mg/kg	0.32	1	10	8260B		8/21/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/17/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		8/17/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		8/17/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		8/17/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 533384BB
Sample ID 6493 B-11 8-10'
Sample Matrix Soil
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		8/17/2017	CJR	1
Trichloroethene (TCE)	0.124 "J"	mg/kg	0.041	0.13	1	8260B		8/17/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		8/17/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		8/17/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		8/17/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		8/17/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		8/17/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		8/17/2017	CJR	1
SUR - Toluene-d8	96	Rec %			1	8260B		8/17/2017	CJR	1
SUR - Dibromofluoromethane	95	Rec %			1	8260B		8/17/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	Rec %			1	8260B		8/17/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	96	Rec %			1	8260B		8/17/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 533384CC
Sample ID 6493 DUP-1
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/16/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/16/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		8/16/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/16/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/16/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/16/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/16/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/16/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/16/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/16/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		8/16/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/16/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/16/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/16/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/16/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/16/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/16/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/16/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/16/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/16/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/16/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/16/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/16/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		8/16/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/16/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/16/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/16/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/16/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/16/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/16/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/16/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/16/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/16/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/16/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/16/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/16/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/16/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/16/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/16/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/16/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/16/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		8/16/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/16/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/16/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/16/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/16/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/16/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		8/16/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/16/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/16/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 533384CC
Sample ID 6493 DUP-1
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/16/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/16/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/16/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/16/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		8/16/2017	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		8/16/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		8/16/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		8/16/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 533384DD
Sample ID 6493 DUP-2
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/16/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/16/2017	CJR	1
Bromodichloromethane	4.2	ug/l	0.31	1	1	8260B		8/16/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/16/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/16/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/16/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/16/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/16/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/16/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/16/2017	CJR	1
Chloroform	10.8	ug/l	0.96	3.04	1	8260B		8/16/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/16/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/16/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/16/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/16/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/16/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/16/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/16/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/16/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/16/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/16/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/16/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/16/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		8/16/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/16/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/16/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/16/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/16/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/16/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/16/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/16/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/16/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/16/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/16/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/16/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/16/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/16/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/16/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/16/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/16/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/16/2017	CJR	1
Tetrachloroethene	129	ug/l	0.48	1.52	1	8260B		8/16/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/16/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/16/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/16/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/16/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/16/2017	CJR	1
Trichloroethene (TCE)	0.47 "J"	ug/l	0.45	1.43	1	8260B		8/16/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/16/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/16/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 533384DD
Sample ID 6493 DUP-2
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/16/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/16/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/16/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/16/2017	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		8/16/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		8/16/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		8/16/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		8/16/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 533384EE
Sample ID 6493 TB
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/16/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/16/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		8/16/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/16/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/16/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/16/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/16/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/16/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/16/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/16/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		8/16/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/16/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/16/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/16/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/16/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/16/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/16/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/16/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/16/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/16/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/16/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/16/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/16/2017	CJR	1
cis-1,2-Dichloroethene	0.59 "J"	ug/l	0.41	1.29	1	8260B		8/16/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/16/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/16/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/16/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/16/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/16/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/16/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/16/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/16/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/16/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/16/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/16/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/16/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/16/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/16/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/16/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/16/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/16/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		8/16/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/16/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/16/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/16/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/16/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/16/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		8/16/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/16/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/16/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33384
Project # 6493 PO#2017-1070

Lab Code 533384EE
Sample ID 6493 TB
Sample Matrix Water
Sample Date 8/7/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/16/2017	CJR	1
Vinyl Chloride	0.71	ug/l	0.19	0.62	1	8260B		8/16/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/16/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/16/2017	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		8/16/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		8/16/2017	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		8/16/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		8/16/2017	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF CUSTODY RECORD

PO# 2017-1070

Synergy

Environmental Lab, Inc.

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920-830-2455 • FAX 920-733-0631

Chain # Nº 3030

Page 1 of 4

Sample Handling Request

____ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #	
Account No. :	Quote No.:
Project #: 6493	
Sampler: (signature)	
Project (Name / Location): Portage Cleaners	
Reports To: R. Haverman	Invoice To:
Company Enviroforensics	Company
Address N16 W23398 Stone Ridge Dr	Address
City State Zip Waukesha, WI 53188	City State Zip
Phone 262 • 290 • 4001	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/FID (PPM)
503384A	6493-B-1(1'-3')	8/7	0840		X	N	2	S	MeOH													X		—
B	6493-B-1(10'-12')	8/7	0850		X	N	2	S	MeOH													X		0.2
C	6493-B-1(5'-10')	8/7	0846		X	N	3	GW	HCL													X		—
D	6493-B-2(2'-4')	8/7	0915		X	N	2	S	MeOH													X		—
E	6493-B-2(5'-10')	8/7	0910		X	N	3	GW	HCL													X		—
F	6493-B-3(4'-6')	8/7	0946		X	N	2	S	MeOH													X		0.4
G	6493-B-3(12'-15')	8/7	0947		X	N	2	S	MeOH													X		0.3
H	6493-B-3(5'-10')	8/7	0935		X	N	3	GW	HCL													X		0.7
I	6493-B-4(4'-6')	8/7	1020		X	N	2	S	MeOH													X		0.4
J	6493-B-4(5'-10')	8/7	1010		X	N	3	GW	HCL													X		0.4

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: UC

Temp. of Temp. Blank ____ °C On Ice: X

Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	1032	8/8/17		10:34	8/9/17

Received in Laboratory By: Time: 8:00 Date: 8/11/17

CHAIN OF CUSTODY RECORD

PO# 2017-1078

Synergy Environmental Lab, Inc.

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920-830-2455 • FAX 920-733-0631

Chain # Nº 303

Page 2 of 4

Sample Handling Request
___ Rush Analysis Date Required ___
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #	
Account No. :	**Quote No.:**
Project #: 6493	
Sampler: (signature)	
Project (Name / Location): Portage Cleaners	
Reports To: R. Haverman	Invoice To:
Company EnviroForensics	Company
Address N16 W23390 Stone Ridge Dr	Address
City State Zip Waukesha, WI 53188	City State Zip
Phone 262-290-4991	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS								PPM PID/FID
603384	6493-B-5(4'-6')	8/7	1046		x	N	2	S	MeOH													X									0.4
L	6493-B-5(5'-10')	8/7	1038		x	N	3	GW	HCL													X									0.4
M	6493-B-6(4'-5')	8/7	1140		x	N	2	S	MeOH													X									6.2
N	6493-B-6(11'-13')	8/7	1145		x	N	2	S	MeOH													X									0.6
O	6493-B-6(5'-10')	8/7	1055		x	N	3	GW	HCL													X									0.2
P	6493-B-7(2'-4')	8/7	1210		x	N	2	S	MeOH													X									1.6
Q	6493-B-7(5'-10')	8/7	1155		x	N	3	GW	HCL													X	~~HOLD~~ 2 KV								0.6
hold	6493-B-8(2'-4')	8/7	1308		x	N	2	S	MeOH													X	HOLD								1.1
hold	6493-B-8(14'-15')	8/7	1310		x	N	2	S	MeOH													X	HOLD								0.6
hold	6493-B-8(27'-29')	8/7	1313		x	N	2	S	MeOH													X	HOLD								0.8

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

PLEASE PLACE ON HOLD...
6493-B-8(2'-4')
6493-B-8(14'-15')
6493-B-8(27'-29')

Sample Integrity - To be completed by receiving lab.
Method of Shipment: GC
Temp. of Temp. Blank ___ °C On Ice: X
Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	1032	8/8/17		10:34	8/9/17

Received in Laboratory By: Time: 8:00 Date: 8/11/17

CHAIN OF CUSTODY RECORD

PO# 2017-1670

Synergy
Environmental Lab, Inc.

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Chain # Nº 303

Page 3 of 4

Sample Handling Request
____ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #	
Account No. :	Quote No.:
Project #: 6493	
Sampler: (signature)	
Project (Name / Location): Portage Cleaners	
Reports To: R. Haverman	Invoice To:
Company Enviroforensics	Company
Address N16 W23390 Stone Ridge Dr	Address
City State Zip Waukesha, WI 53188	City State Zip
Phone 317.972.7870	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PPM PID/FID
503384 R	6493-B-8(36'-40')	8/7	1342		X	N	3	GW	HCL													X		0.2
S	6493-B-8(30'-34')	8/7	1352		X	N	3	GW	HCL													X		0.7
T	6493-B-8(25'-29')	8/7	1402		X	N	3	GW	HCL													X		0.8
U	6493-B-8(20'-24')	8/7	1412		X	N	3	GW	HCL													X		0.4
V	6493-B-9(2'-4')	8/7	1500		X	N	2	S	MeOH													X		131
W	6493-B-9(6'-8')	8/7	1505		X	N	2	S	MeOH													X		13
X	6493-B-10(1'-2')	8/7	1530		X	N	2	S	MeOH													X		330
Y	6493-B-10(4'-6')	8/7	1535		X	N	2	S	MeOH													X		80
Z	6493-B-10(7'-12')	8/7	1633		X	N	3	GW	HCL													X		38
AA	6493-B-11(4'-5')	8/7	1610		X	N	2	S	MeOH													X		36

Analysis Requested | **Other Analysis**

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: GC
Temp. of Temp. Blank ____ °C On Ice: X
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	1032	8/8/17		10:34	8/9/17

Received in Laboratory By: Time: 8:00 Date: 8/4/17

CHAIN OF CUSTODY RECORD

PO#2017-1070

Synergy Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # Nº 303(

Page 4 of 4

Sample Handling Request

___ Rush Analysis Date Required ___
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #	
Account No. :	**Quote No.:**
Project #: 6493	
Sampler: (signature)	

Project (Name / Location): Portage Cleaners	
Reports To: R. Haverman	Invoice To:
Company EnviroForensics	Company
Address N16 W23390 Stone Ridge Dr	Address
City State Zip Waukesha, WI 53188	City State Zip
Phone 262-290-4091	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/FID
S33384BB	6493-B-11(8'-10')	8/7	1615		X	N	2	S	MeOH													X		1.6
CC	6493-DUP-1	8/7			X	N	3	GW	HCL													X		80 ~~9.6~~ 0.6
DD	6493-DUP-2	8/7			X	N	3	GW	HCL													X		
EE	6493-TB						1	GW	HCL													X		

Analysis Requested | Other Analysis

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: GC

Temp. of Temp. Blank ___ °C On Ice: X

Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	1032	8/8/17		10:34	8/9/17

Received in Laboratory By: Time: 8:00 Date: 8/10/17

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ROB HOVERMAN
ENVIROFORENSICS
825 N. CAPITOL AVENUE
INDIANAPOLIS, IN 46204

Report Date *16-Oct-17*

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707A
Sample ID 6493-MW-1
Sample Matrix Water
Sample Date 10/4/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		10/11/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		10/11/2017	CJR	1
Bromodichloromethane	4.9	ug/l	0.31	1	1	8260B		10/11/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		10/11/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		10/11/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		10/11/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		10/11/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		10/11/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		10/11/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2017	CJR	1
Chloroform	7.6	ug/l	0.96	3.04	1	8260B		10/11/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		10/11/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		10/11/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		10/11/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		10/11/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		10/11/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		10/11/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		10/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		10/11/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		10/11/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		10/11/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		10/11/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707A
Sample ID 6493-MW-1
Sample Matrix Water
Sample Date 10/4/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		10/11/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		10/11/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		10/11/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		10/11/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		10/11/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		10/11/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		10/11/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		10/11/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		10/11/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		10/11/2017	CJR	1
Tetrachloroethene	30.1	ug/l	0.48	1.52	1	8260B		10/11/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		10/11/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		10/11/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		10/11/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		10/11/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		10/11/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		10/11/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		10/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		10/11/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		10/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		10/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	109	REC %			1	8260B		10/11/2017	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		10/11/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707B
Sample ID 6493-MW-2
Sample Matrix Water
Sample Date 10/4/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		10/11/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		10/11/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		10/11/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		10/11/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		10/11/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		10/11/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		10/11/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		10/11/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		10/11/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		10/11/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		10/11/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		10/11/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		10/11/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		10/11/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		10/11/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		10/11/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		10/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		10/11/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		10/11/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		10/11/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		10/11/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		10/11/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		10/11/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		10/11/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		10/11/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		10/11/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		10/11/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		10/11/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		10/11/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		10/11/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		10/11/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		10/11/2017	CJR	1
Tetrachloroethene	4.2	ug/l	0.48	1.52	1	8260B		10/11/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		10/11/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		10/11/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		10/11/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		10/11/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		10/11/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707B
Sample ID 6493-MW-2
Sample Matrix Water
Sample Date 10/4/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		10/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		10/11/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		10/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		10/11/2017	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		10/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		10/11/2017	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707C
Sample ID 6493-MW-3
Sample Matrix Water
Sample Date 10/4/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		10/11/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		10/11/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		10/11/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		10/11/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		10/11/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		10/11/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		10/11/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		10/11/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		10/11/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		10/11/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		10/11/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		10/11/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		10/11/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		10/11/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		10/11/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		10/11/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		10/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		10/11/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		10/11/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		10/11/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		10/11/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		10/11/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		10/11/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		10/11/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		10/11/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		10/11/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		10/11/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		10/11/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		10/11/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		10/11/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		10/11/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		10/11/2017	CJR	1
Tetrachloroethene	52	ug/l	0.48	1.52	1	8260B		10/11/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		10/11/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		10/11/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		10/11/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		10/11/2017	CJR	1
Trichloroethene (TCE)	0.57 "J"	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		10/11/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707C
Sample ID 6493-MW-3
Sample Matrix Water
Sample Date 10/4/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		10/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		10/11/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		10/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	90	REC %			1	8260B		10/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %			1	8260B		10/11/2017	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		10/11/2017	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707D
Sample ID 6493-MW-4
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		10/11/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		10/11/2017	CJR	1
Bromodichloromethane	2.0	ug/l	0.31	1	1	8260B		10/11/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		10/11/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		10/11/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		10/11/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		10/11/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		10/11/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		10/11/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2017	CJR	1
Chloroform	6.1	ug/l	0.96	3.04	1	8260B		10/11/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		10/11/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		10/11/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		10/11/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		10/11/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		10/11/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		10/11/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		10/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		10/11/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		10/11/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		10/11/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		10/11/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		10/11/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		10/11/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		10/11/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		10/11/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		10/11/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		10/11/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		10/11/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		10/11/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		10/11/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		10/11/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		10/11/2017	CJR	1
Tetrachloroethene	194	ug/l	0.48	1.52	1	8260B		10/11/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		10/11/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		10/11/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		10/11/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		10/11/2017	CJR	1
Trichloroethene (TCE)	1.03 "J"	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		10/11/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707D
Sample ID 6493-MW-4
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		10/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		10/11/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		10/11/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		10/11/2017	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		10/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		10/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	91	REC %			1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707E
Sample ID 6493-MW-4P
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		10/11/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		10/11/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		10/11/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		10/11/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		10/11/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		10/11/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		10/11/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		10/11/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		10/11/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		10/11/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		10/11/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		10/11/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		10/11/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		10/11/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		10/11/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		10/11/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		10/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		10/11/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		10/11/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		10/11/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		10/11/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		10/11/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		10/11/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		10/11/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		10/11/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		10/11/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		10/11/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		10/11/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		10/11/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		10/11/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		10/11/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		10/11/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		10/11/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		10/11/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		10/11/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		10/11/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		10/11/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		10/11/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707E
Sample ID 6493-MW-4P
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		10/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		10/11/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		10/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	84	REC %			1	8260B		10/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	105	REC %			1	8260B		10/11/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		10/11/2017	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707F
Sample ID 6493-MW-5
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		10/11/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		10/11/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		10/11/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		10/11/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		10/11/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		10/11/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		10/11/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		10/11/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		10/11/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		10/11/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		10/11/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		10/11/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		10/11/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		10/11/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		10/11/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		10/11/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		10/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		10/11/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		10/11/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		10/11/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		10/11/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		10/11/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		10/11/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		10/11/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		10/11/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		10/11/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		10/11/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		10/11/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		10/11/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		10/11/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		10/11/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		10/11/2017	CJR	1
Tetrachloroethene	60	ug/l	0.48	1.52	1	8260B		10/11/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		10/11/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		10/11/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		10/11/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		10/11/2017	CJR	1
Trichloroethene (TCE)	0.68 "J"	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		10/11/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707F
Sample ID 6493-MW-5
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		10/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		10/11/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		10/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		10/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		10/11/2017	CJR	1
SUR - Dibromofluoromethane	103	REC %			1	8260B		10/11/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707G
Sample ID 6493-MW-7
Sample Matrix Water
Sample Date 10/4/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		10/11/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		10/11/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		10/11/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		10/11/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		10/11/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		10/11/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		10/11/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		10/11/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		10/11/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		10/11/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		10/11/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		10/11/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		10/11/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		10/11/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		10/11/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		10/11/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		10/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		10/11/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		10/11/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		10/11/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		10/11/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		10/11/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		10/11/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		10/11/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		10/11/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		10/11/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		10/11/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		10/11/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		10/11/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		10/11/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		10/11/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		10/11/2017	CJR	1
Tetrachloroethene	0.68 "J"	ug/l	0.48	1.52	1	8260B		10/11/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		10/11/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		10/11/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		10/11/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		10/11/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		10/11/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707G
Sample ID 6493-MW-7
Sample Matrix Water
Sample Date 10/4/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		10/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		10/11/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		10/11/2017	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		10/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	89	REC %			1	8260B		10/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		10/11/2017	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707H
Sample ID 6493-MW-9
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		10/11/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		10/11/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		10/11/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		10/11/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		10/11/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		10/11/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		10/11/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		10/11/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		10/11/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		10/11/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		10/11/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		10/11/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		10/11/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		10/11/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		10/11/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		10/11/2017	CJR	1
cis-1,2-Dichloroethene	2.49	ug/l	0.41	1.29	1	8260B		10/11/2017	CJR	1
trans-1,2-Dichloroethene	0.87 "J"	ug/l	0.35	1.12	1	8260B		10/11/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		10/11/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		10/11/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		10/11/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		10/11/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		10/11/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		10/11/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		10/11/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		10/11/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		10/11/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		10/11/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		10/11/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		10/11/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		10/11/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		10/11/2017	CJR	1
Tetrachloroethene	12.6	ug/l	0.48	1.52	1	8260B		10/11/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		10/11/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		10/11/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		10/11/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		10/11/2017	CJR	1
Trichloroethene (TCE)	7.6	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		10/11/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707H
Sample ID 6493-MW-9
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		10/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		10/11/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		10/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		10/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		10/11/2017	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		10/11/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707I
Sample ID 6493-MW-10
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		10/11/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		10/11/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		10/11/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		10/11/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		10/11/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		10/11/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		10/11/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		10/11/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		10/11/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		10/11/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		10/11/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		10/11/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		10/11/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		10/11/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		10/11/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		10/11/2017	CJR	1
cis-1,2-Dichloroethene	5.2	ug/l	0.41	1.29	1	8260B		10/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		10/11/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		10/11/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		10/11/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		10/11/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		10/11/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		10/11/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		10/11/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		10/11/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		10/11/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		10/11/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		10/11/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		10/11/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		10/11/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		10/11/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		10/11/2017	CJR	1
Tetrachloroethene	11.3	ug/l	0.48	1.52	1	8260B		10/11/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		10/11/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		10/11/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		10/11/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		10/11/2017	CJR	1
Trichloroethene (TCE)	1.3 "J"	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		10/11/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707I
Sample ID 6493-MW-10
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		10/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		10/11/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		10/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		10/11/2017	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		10/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		10/11/2017	CJR	1
SUR - Dibromofluoromethane	103	REC %			1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707J
Sample ID 6493-MW-10P
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		10/11/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		10/11/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		10/11/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		10/11/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		10/11/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		10/11/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		10/11/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		10/11/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		10/11/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		10/11/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		10/11/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		10/11/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		10/11/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		10/11/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		10/11/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		10/11/2017	CJR	1
cis-1,2-Dichloroethene	4.0	ug/l	0.41	1.29	1	8260B		10/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		10/11/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		10/11/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		10/11/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		10/11/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		10/11/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		10/11/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		10/11/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		10/11/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		10/11/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		10/11/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		10/11/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		10/11/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		10/11/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		10/11/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		10/11/2017	CJR	1
Tetrachloroethene	0.48 "J"	ug/l	0.48	1.52	1	8260B		10/11/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		10/11/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		10/11/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		10/11/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		10/11/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		10/11/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707J
Sample ID 6493-MW-10P
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		10/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		10/11/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		10/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	89	REC %			1	8260B		10/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	105	REC %			1	8260B		10/11/2017	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		10/11/2017	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707K
Sample ID 6493-DUP-1
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		10/11/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		10/11/2017	CJR	1
Bromodichloromethane	1.98	ug/l	0.31	1	1	8260B		10/11/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		10/11/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		10/11/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		10/11/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		10/11/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		10/11/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		10/11/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2017	CJR	1
Chloroform	5.6	ug/l	0.96	3.04	1	8260B		10/11/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		10/11/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		10/11/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		10/11/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		10/11/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		10/11/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		10/11/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		10/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		10/11/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		10/11/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		10/11/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		10/11/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		10/11/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		10/11/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		10/11/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		10/11/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		10/11/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		10/11/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		10/11/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		10/11/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		10/11/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		10/11/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		10/11/2017	CJR	1
Tetrachloroethene	194	ug/l	0.48	1.52	1	8260B		10/11/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		10/11/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		10/11/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		10/11/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		10/11/2017	CJR	1
Trichloroethene (TCE)	0.89 "J"	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		10/11/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707K
Sample ID 6493-DUP-1
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		10/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		10/11/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		10/11/2017	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		10/11/2017	CJR	1
SUR - Dibromofluoromethane	94	REC %			1	8260B		10/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		10/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707L
Sample ID 6493-EB-1
Sample Matrix Water
Sample Date 10/4/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		10/11/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		10/11/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		10/11/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		10/11/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		10/11/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		10/11/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		10/11/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		10/11/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		10/11/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		10/11/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		10/11/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		10/11/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		10/11/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		10/11/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		10/11/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		10/11/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		10/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		10/11/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		10/11/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		10/11/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		10/11/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		10/11/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		10/11/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		10/11/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		10/11/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		10/11/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		10/11/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		10/11/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		10/11/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		10/11/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		10/11/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		10/11/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		10/11/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		10/11/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		10/11/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		10/11/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		10/11/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		10/11/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707L
Sample ID 6493-EB-1
Sample Matrix Water
Sample Date 10/4/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		10/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		10/11/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		10/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		10/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	109	REC %			1	8260B		10/11/2017	CJR	1
SUR - Dibromofluoromethane	95	REC %			1	8260B		10/11/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707M
Sample ID 6493-IDM
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 1.7	ug/l	1.7	5.5	10	8260B		10/14/2017	CJR	1 49
Bromobenzene	< 4.3	ug/l	4.3	13.7	10	8260B		10/14/2017	CJR	1 49
Bromodichloromethane	< 3.1	ug/l	3.1	10	10	8260B		10/14/2017	CJR	1 49
Bromoform	< 4.9	ug/l	4.9	15.6	10	8260B		10/14/2017	CJR	1 49
tert-Butylbenzene	< 3.9	ug/l	3.9	12.3	10	8260B		10/14/2017	CJR	1 49
sec-Butylbenzene	< 2.4	ug/l	2.4	7.6	10	8260B		10/14/2017	CJR	1 49
n-Butylbenzene	< 3.4	ug/l	3.4	10.8	10	8260B		10/14/2017	CJR	1 49
Carbon Tetrachloride	< 2.1	ug/l	2.1	6.8	10	8260B		10/14/2017	CJR	1 49
Chlorobenzene	< 2.7	ug/l	2.7	8.6	10	8260B		10/14/2017	CJR	1 49
Chloroethane	< 5	ug/l	5	16	10	8260B		10/14/2017	CJR	1 49
Chloroform	< 9.599999	ug/l	9.6	30.4	10	8260B		10/14/2017	CJR	1 49
Chloromethane	< 13	ug/l	13	41.5	10	8260B		10/14/2017	CJR	1 49
2-Chlorotoluene	< 3.6	ug/l	3.6	11.5	10	8260B		10/14/2017	CJR	1 49
4-Chlorotoluene	< 3.5	ug/l	3.5	11.1	10	8260B		10/14/2017	CJR	1 49
1,2-Dibromo-3-chloropropane	< 18.8	ug/l	18.8	59.8	10	8260B		10/14/2017	CJR	1 49
Dibromochloromethane	< 4.5	ug/l	4.5	14.4	10	8260B		10/14/2017	CJR	1 49
1,4-Dichlorobenzene	< 4.2	ug/l	4.2	13.4	10	8260B		10/14/2017	CJR	1 49
1,3-Dichlorobenzene	< 4.5	ug/l	4.5	14.3	10	8260B		10/14/2017	CJR	1 49
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	10.9	10	8260B		10/14/2017	CJR	1 49
Dichlorodifluoromethane	< 3.8	ug/l	3.8	12	10	8260B		10/14/2017	CJR	1 49
1,2-Dichloroethane	< 4.5	ug/l	4.5	14.3	10	8260B		10/14/2017	CJR	1 49
1,1-Dichloroethane	< 4.2	ug/l	4.2	13.4	10	8260B		10/14/2017	CJR	1 49
1,1-Dichloroethene	< 4.6	ug/l	4.6	14.7	10	8260B		10/14/2017	CJR	1 49
cis-1,2-Dichloroethene	< 4.1	ug/l	4.1	12.9	10	8260B		10/14/2017	CJR	1 49
trans-1,2-Dichloroethene	< 3.5	ug/l	3.5	11.2	10	8260B		10/14/2017	CJR	1 49
1,2-Dichloropropane	< 3.9	ug/l	3.9	12.4	10	8260B		10/14/2017	CJR	1 49
1,3-Dichloropropane	< 4.9	ug/l	4.9	15.5	10	8260B		10/14/2017	CJR	1 49
trans-1,3-Dichloropropene	< 4.2	ug/l	4.2	13.3	10	8260B		10/14/2017	CJR	1 49
cis-1,3-Dichloropropene	< 2.1	ug/l	2.1	6.5	10	8260B		10/14/2017	CJR	1 49
Di-isopropyl ether	< 2.6	ug/l	2.6	8.3	10	8260B		10/14/2017	CJR	1 49
EDB (1,2-Dibromoethane)	< 3.4	ug/l	3.4	10.9	10	8260B		10/14/2017	CJR	1 49
Ethylbenzene	< 2	ug/l	2	6.3	10	8260B		10/14/2017	CJR	1 49
Hexachlorobutadiene	< 14.7	ug/l	14.7	46.8	10	8260B		10/14/2017	CJR	1 49
Isopropylbenzene	< 2.9	ug/l	2.9	9.3	10	8260B		10/14/2017	CJR	1 49
p-Isopropyltoluene	< 2.8	ug/l	2.8	9.1	10	8260B		10/14/2017	CJR	1 49
Methylene chloride	< 9.4	ug/l	9.4	29.8	10	8260B		10/14/2017	CJR	1 49
Methyl tert-butyl ether (MTBE)	< 8.2	ug/l	8.2	26	10	8260B		10/14/2017	CJR	1 49
Naphthalene	< 21.7	ug/l	21.7	69	10	8260B		10/14/2017	CJR	1 49
n-Propylbenzene	< 1.9	ug/l	1.9	6.2	10	8260B		10/14/2017	CJR	1 49
1,1,2,2-Tetrachloroethane	< 6.9	ug/l	6.9	22.1	10	8260B		10/14/2017	CJR	1 49
1,1,1,2-Tetrachloroethane	< 4.7	ug/l	4.7	14.8	10	8260B		10/14/2017	CJR	1 49
Tetrachloroethene	14.1 "J"	ug/l	4.8	15.2	10	8260B		10/14/2017	CJR	1 49
Toluene	< 6.7	ug/l	6.7	21.3	10	8260B		10/14/2017	CJR	1 49
1,2,4-Trichlorobenzene	< 12.9	ug/l	12.9	41	10	8260B		10/14/2017	CJR	1 49
1,2,3-Trichlorobenzene	< 8.3	ug/l	8.3	26.3	10	8260B		10/14/2017	CJR	1 49
1,1,1-Trichloroethane	< 3.5	ug/l	3.5	11.1	10	8260B		10/14/2017	CJR	1 49
1,1,2-Trichloroethane	< 6.5	ug/l	6.5	20.6	10	8260B		10/14/2017	CJR	1 49
Trichloroethene (TCE)	< 4.5	ug/l	4.5	14.3	10	8260B		10/14/2017	CJR	1 49
Trichlorofluoromethane	< 6.4	ug/l	6.4	20.4	10	8260B		10/14/2017	CJR	1 49
1,2,4-Trimethylbenzene	< 11.4	ug/l	11.4	36.3	10	8260B		10/14/2017	CJR	1 49

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707M
Sample ID 6493-IDM
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 9.1	ug/l	9.1	29	10	8260B		10/14/2017	CJR	1 49
Vinyl Chloride	< 1.9	ug/l	1.9	6.2	10	8260B		10/14/2017	CJR	1 49
m&p-Xylene	< 15.6	ug/l	15.6	49.5	10	8260B		10/14/2017	CJR	1 49
o-Xylene	< 3.9	ug/l	3.9	12.5	10	8260B		10/14/2017	CJR	1 49
SUR - 1,2-Dichloroethane-d4	87	REC %			10	8260B		10/14/2017	CJR	1 49
SUR - 4-Bromofluorobenzene	96	REC %			10	8260B		10/14/2017	CJR	1 49
SUR - Dibromofluoromethane	100	REC %			10	8260B		10/14/2017	CJR	1 49
SUR - Toluene-d8	97	REC %			10	8260B		10/14/2017	CJR	1 49

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707N
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		10/11/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		10/11/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		10/11/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		10/11/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		10/11/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		10/11/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		10/11/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		10/11/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		10/11/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/11/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		10/11/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		10/11/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		10/11/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		10/11/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		10/11/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		10/11/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		10/11/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		10/11/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		10/11/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		10/11/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		10/11/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		10/11/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		10/11/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		10/11/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		10/11/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		10/11/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		10/11/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		10/11/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		10/11/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		10/11/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		10/11/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		10/11/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		10/11/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		10/11/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		10/11/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		10/11/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		10/11/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		10/11/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		10/11/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		10/11/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		10/11/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		10/11/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		10/11/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		10/11/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33707
Project # 6493 PO#2017-1443

Lab Code 5033707N
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 10/5/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		10/11/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		10/11/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		10/11/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		10/11/2017	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		10/11/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		10/11/2017	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			1	8260B		10/11/2017	CJR	1
SUR - Dibromofluoromethane	95	REC %			1	8260B		10/11/2017	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.
49	Sample diluted to compensate for matrix interference.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF CUSTODY RECORD

PO# 2017-1443

Synergy Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # Nº 340

Page 1 of 2

Sample Handling Request
____ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #	
Account No. :	**Quote No.:**
Project #: 6493	
Sampler: (signature)	

Project (Name / Location): Portage Cleaners, Portage WI			
Reports To: R. Haverman / K. Heimstead	Invoice To:		
Company Enviroforensics LLC	Company		
Address N16 W23390 Stone Ridge Dr	Address		
City State Zip Waukesha, WI 53188	City State Zip		
Phone 262-510-0612	Phone		
FAX	FAX		

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
583512 A	6493 MW-1	10-4-17	1610		X	N	3	GW	HCL													X		
B	6493 MW-2	10-4-17	1520		X	N	3	GW	HCL													X		
C	6493 MW-3	10-4-17	1755		X	N	3	GW	HCL													X		
D	6493 MW-4	10-5-17	1228		X	N	3	GW	HCL													X		
E	6493 MW-4P	10-5-17	1145		X	N	3	GW	HCL													X		
F	6493 MW-5	10-5-17	1100		X	N	3	GW	HCL													X		
G	6493 MW-7	10-4-17	1700		X	N	3	GW	HCL													X		
H	6493 MW-9	10-5-17	1325		X	N	3	GW	HCL													X		
I	6493 MW-10	10-5-17	1005		X	N	3	GW	HCL													X		
J	6493 MW-10P	10-5-17	917		X	N	3	GW	HCL													X		

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: GC
Temp. of Temp. Blank ____ °C On Ice: X
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
		10-10-17			

Received in Laboratory By: Time: 8:00 Date: 10/11/17

CHAIN OF STODY RECORD

PO# 2017-1443

Synergy Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # Nº 340[illegible]

Page 2 of 2

Sample Handling Request
____ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
__X__ Normal Turn Around

Lab I.D. #

Account No. : | **Quote No.:**

Project #: 6493

Sampler: (signature) R Pieda

Project (Name / Location): Portage Cleaners / Portage WI

Reports To: R. Haverman / K. Heimstead	Invoice To:
Company Enviroforensics LLC	Company
Address N16 W23390 Stoneridge Dr.	Address
City State Zip Waukesha, WI 53188	City State Zip
Phone 262-510-0612	Phone
FAX	FAX

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/FID
5033767 K	6493 DUP-1	10-5-17	—		X	N	3	GW	HCL													X		
~~K~~	~~6493 DUP-2~~	~~10-5-17~~	~~—~~		~~X~~	~~N~~	~~3~~	~~GW~~	~~HCL~~													~~X~~		
L	6493 EB-1	10-4-17	1800		X	N	1	GW	HCL													X		
~~L~~	~~6493 EB-2~~	~~10-5-17~~	~~1340~~		~~X~~	~~N~~	~~2~~	~~GW~~	~~HCL~~													~~X~~		
M	6493 IDW	10-5-17	1415		X	N	3	GW	HCL													X		

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: GC

Temp. of Temp. Blank ____ °C On Ice: X

Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
		10-10-17			

Received in Laboratory By: [signature] Time: 8:00 Date: 10/11/17

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ROB HOVERMAN
ENVIROFORENSICS
825 N. CAPITOL AVENUE
INDIANAPOLIS, IN 46204

Report Date *24-Nov-17*

Project Name PORTAGE CLEANERS
Project # 6493 PO#2017-1639

Invoice # E33919

Lab Code 5033919A
Sample ID 6493 MW-6
Sample Matrix Water
Sample Date 11/13/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		11/21/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		11/21/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		11/21/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		11/21/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		11/21/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		11/21/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		11/21/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		11/21/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		11/21/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		11/21/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		11/21/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		11/21/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		11/21/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		11/21/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		11/21/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		11/21/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		11/21/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		11/21/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		11/21/2017	CJR	1
Dichlorodifluoromethane	1.97	ug/l	0.38	1.2	1	8260B		11/21/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		11/21/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		11/21/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		11/21/2017	CJR	1
cis-1,2-Dichloroethene	0.93 "J"	ug/l	0.41	1.29	1	8260B		11/21/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		11/21/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		11/21/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		11/21/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		11/21/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		11/21/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33919
Project # 6493 PO#2017-1639

Lab Code 5033919A
Sample ID 6493 MW-6
Sample Matrix Water
Sample Date 11/13/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		11/21/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/21/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		11/21/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		11/21/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		11/21/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		11/21/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		11/21/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		11/21/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		11/21/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		11/21/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		11/21/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		11/21/2017	CJR	1
Tetrachloroethene	2.55	ug/l	0.48	1.52	1	8260B		11/21/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		11/21/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		11/21/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		11/21/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		11/21/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		11/21/2017	CJR	1
Trichloroethene (TCE)	2.93	ug/l	0.45	1.43	1	8260B		11/21/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		11/21/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		11/21/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		11/21/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		11/21/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		11/21/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		11/21/2017	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		11/21/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		11/21/2017	CJR	1
SUR - 4-Bromofluorobenzene	93	REC %			1	8260B		11/21/2017	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		11/21/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33919
Project # 6493 PO#2017-1639

Lab Code 5033919B
Sample ID 6493 MW-8
Sample Matrix Water
Sample Date 11/13/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		11/21/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		11/21/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		11/21/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		11/21/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		11/21/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		11/21/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		11/21/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		11/21/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		11/21/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		11/21/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		11/21/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		11/21/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		11/21/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		11/21/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		11/21/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		11/21/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		11/21/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		11/21/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		11/21/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		11/21/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		11/21/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		11/21/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		11/21/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		11/21/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		11/21/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		11/21/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		11/21/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		11/21/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		11/21/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		11/21/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/21/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		11/21/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		11/21/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		11/21/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		11/21/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		11/21/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		11/21/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		11/21/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		11/21/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		11/21/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		11/21/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		11/21/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		11/21/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		11/21/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		11/21/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		11/21/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		11/21/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		11/21/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		11/21/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		11/21/2017	CJR	1

Project Name PORTAGE CLEANERS **Invoice #** E33919
Project # 6493 PO#2017-1639

Lab Code 5033919B
Sample ID 6493 MW-8
Sample Matrix Water
Sample Date 11/13/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		11/21/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		11/21/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		11/21/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		11/21/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		11/21/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		11/21/2017	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		11/21/2017	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		11/21/2017	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF CUSTODY RECORD PO# 2017-1639

Synergy

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # Nº 2994

Page 1 of 1

Sample Handling Request
____ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #	
Account No. :	**Quote No.:**
Project #: 6493	
Sampler: (signature)	

Project (Name / Location): Portage Cleaners, Portage, WI	
Reports To: K. Heimstead / R. Hoverman	Invoice To:
Company Environforensics	Company
Address N16 W23390 Stoneridge Dr.	Address
City State Zip Waukesha, WI 53188	City State Zip
Phone 209-390-9814	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
503519 A	6493 MW-6	11/13/17	1415		X	N	3	GW	HCL													X		
B	6493 MW-8	11/13/17	1350		X	N	3	GW	HCL													X		

Analysis Requested | Other Analysis

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: car
Temp. of Temp. Blank ____ °C On Ice: X
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	16:24	11/15		16:24	11/15

Received in Laboratory By: Time: 8:00 Date: 11/16/17

APPENDIX G

Air and Vapor Analytical Reports

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Mr. Rob Hoverman
Enviroforensics
N16 W. 23390 Stone Ridge Dr
Suite G
Waukesha, WI 53188

August 21, 2017

EnvisionAir Project Number: 2017-430
Client Project Name: 6493 (Portage Cleaners)

Dear Mr. Hoverman,

Please find the attached analytical report for the samples received August 9, 2017. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. EnvisionAir looks forward to working with you on your next project.

Yours Sincerely,

Stanley A Hunnicutt

Project Manager
EnvisionAir, LLC

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 6493 / PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2017-430

Sample Summary

Canister Pressure / Vacuum

Laboratory Sample Number:	Sample Description:	Matrix:	START Date Collected:	START Time Collected:	End Date Collected:	End Time Collected:	Date Received:	Time Received	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)
17-1715	6493-109-SSV-1	A	8/7/17	18:19	8/7/17	18:24	8/9/17	12:00	-28	-2	-2
17-1716	6493-109-SSV-2	A	8/7/17	18:28	8/7/17	18:32	8/9/17	12:00	-28	-2	-2
17-1717	6493-109-SSV-3	A	8/7/17	18:35	8/7/17	18:40	8/9/17	12:00	-29	-2	-2

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 6493 / PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2017-430

Analytical Method: TO-15
Analytical Batch: 081817AIR

Client Sample ID: 6493-109-SSV-1
Envision Sample Number: 17-1715
Sample Matrix: AIR

Sample Collection START Date/Time: 8/7/17 18:19
Sample Collection END Date/Time: 8/7/17 18:24
Sample Received Date/Time: 8/9/17 12:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	< 198	198	
Tetrachloroethene	**3,090**	128	1
trans-1,2-Dichloroethene	< 396	396	
Trichloroethene	< 10.7	10.7	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surrogate)	96%		
Analysis Date/Time:	08-18-17/17:28		
Analyst Initials	tjg		

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 6493 / PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2017-430

Analytical Method: TO-15
Analytical Batch: 081817AIR

Client Sample ID: 6493-109-SSV-2
Envision Sample Number: 17-1716
Sample Matrix: AIR

Sample Collection START Date/Time: 8/7/17 18:28
Sample Collection END Date/Time: 8/7/17 18:32
Sample Received Date/Time: 8/9/17 12:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	< 198	198	
Tetrachloroethene	**3,810**	128	1
trans-1,2-Dichloroethene	< 396	396	
Trichloroethene	< 10.7	10.7	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surrogate)	103%		
Analysis Date/Time:	08-18-17/18:05		
Analyst Initials	tjg		

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 6493 / PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2017-430

Analytical Method: TO-15
Analytical Batch: 081817AIR

Client Sample ID: 6493-109-SSV-3
Envision Sample Number: 17-1717
Sample Matrix: AIR

Sample Collection START Date/Time: 8/7/17 18:35
Sample Collection END Date/Time: 8/7/17 18:40
Sample Received Date/Time: 8/9/17 12:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	< 198	198	
Tetrachloroethene	**2,490**	128	1
trans-1,2-Dichloroethene	< 396	396	
Trichloroethene	< 10.7	10.7	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surrogate)	107%		
Analysis Date/Time:	08-18-17/18:42		
Analyst Initials	tjg		

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 081817AIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
cis-1,2-Dichloroethene	< 5	5	
Tetrachloroethene	< 0.47	0.47	
trans-1,2-Dichloroethene	< 10	10	
Trichlorethene	< 0.2	0.2	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	93%		
Analysis Date/Time:	08-18-17/15:02		
Analyst Initials	tjg		

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Vinyl Chloride	10.1	9.84	10	101%	98%	2.6%	
trans-1,2-Dichloroethene	10.6	10.8	10	106%	108%	1.9%	
cis-1,2-Dichloroethene	10.2	10.3	10	102%	103%	1.0%	
Trichloroethene	10.9	11.3	10	109%	113%	3.6%	
Tetrachloroethene	8.82	8.77	10	88%	88%	0.6%	
4-bromofluorobenzene (surrogate)	97%	96%					
Analysis Date/Time:	08-18-17/13:44	08-18-17/14:26					
Analyst Initials	tjg	tjg					

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Flag Number	Comments
1	Reported value is from a 40x dilution. TJG 08-21-17

EnvisionAir Proj#: 2017-430 Page 1 of 1

CHAIN OF CUSTODY RECORD

EnvisionAir | 1441 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-0885 | Fax: (317) 351-0882

Client: EnviroForensics	P.O. Number: 2017-1071
Report Address: N16 W23390 Stone Ridge Dr suite G Waukesha, WI 53188	Project Name or Number: 6493 (Portage Cleaners)
Report To: R. Haverman	Sampled by: K. VanderHeiden
Phone: 262-290-4001	QA/QC Required: (circle if applicable) **Level III** **Level IV**
Invoice Address:	Reporting Units needed: (circle) **ug/m³** **mg/m³** **PPBV** **PPMV**
Desired TAT: (Please Circle One) **1 day** **2 days** **3 days** **Std (5 bus. days)**	Media type: 1LC = 1 Liter Canister, 6LC = 6 Liter Canister, TB = Tedlar Bag, TD = Thermal Desorption Tube

REQUESTED PARAMETERS

TO-15 Full List | TO-15 Short List

ENVISIONAIR

Sampling Type:
Soil-Gas: ☐
Sub-Slab: ☒
Indoor-Air: ☐

www.envision-air.com

Canister Pressure / Vacuum

Air Sample ID	Media Type (see code above)	Coll. Date (Grab/Comp Start)	Coll. Time (Grab/Comp Start)	Coll. Date (Comp. End)	Coll. Time (Comp. End)					Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
6493-109-SSV-1	1LC	8/7/17	1819	8/7/17	1824		X			83982	NA	-28	-2	-2	17-1715
6493-109-SSV-2	1LC	8/7/17	1828	8/7/17	1832		X			2094	NA	-28	-2	-2	17-1716
6493-109-SSV-3	1LC	8/7/17	1835	8/7/17	1840		X			83817	NA	-29	-2	-2	17-1717

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
	8/8/17	1100			
			[illegible]	8/9/17	1200

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Mr. Rob Hoverman
Enviroforensics
N16 W. 23390 Stone Ridge Dr
Suite G
Waukesha, WI 53188

September 20, 2017

EnvisionAir Project Number: 2017-551
Client Project Name: 6493 / Portage Cleaners

Dear Mr. Hoverman,

Please find the attached analytical report for the samples received September 11, 2017. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. EnvisionAir looks forward to working with you on your next project.

Yours Sincerely,

Stanley A Hunnicutt

Project Manager
EnvisionAir, LLC

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2017-551

Sample Summary

Canister Pressure / Vacuum

Laboratory Sample Number:	Sample Description:	Matrix:	START Date Collected:	START Time Collected:	End Date Collected:	End Time Collected:	Date Received:	Time Received	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)
17-2198	6493-105 WARREN ST-IA-B	A	9/6/17	10:20	9/7/17	10:10	9/11/17	10:00	-29	-5	-5
17-2199	6493-105 WARREN ST-IA-1	A	9/6/17	10:22	9/7/17	10:13	9/11/17	10:00	-29	-5	-5
17-2200	6493-105 WARREN ST-SSV-1	A	9/7/17	10:42	9/7/17	10:47	9/11/17	10:00	-29	-2	-2
17-2201	6493-OA-1-24HR	A	9/6/17	10:32	9/7/17	10:15	9/11/17	10:00	-29	-5	-5

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2017-551

Analytical Method: TO-15
Analytical Batch: 091317AIR

Client Sample ID: 6493-105 WARREN ST-IA-B
Sample Collection START Date/Time: 9/6/17 10:20
Sample Collection END Date/Time: 9/7/17 10:10
Envision Sample Number: 17-2198
Sample Received Date/Time: 9/11/17 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 546	546	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 4.05	4.05	
1,1-Dichloroethene	< 198	198	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 4.92	4.92	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 60.1	60.1	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 4.92	4.92	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 60.1	60.1	
1,4-Dichlorobenzene	< 0.60	0.60	
1,4-Dioxane	< 1.80	1.80	
2-Butanone (MEK)	< 2950	2950	
2-Hexanone	< 20.5	20.5	
Acetone	< 2380	2380	
Benzene	< 1.60	1.60	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 3.88	3.88	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 23.0	23.0	
Chloroethane	< 13.2	13.2	

EnvisionAir
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Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 20.6	20.6	
cis-1,2-Dichloroethene	< 19.8	19.8	
cis-1,3-Dichloropropene	< 4.54	4.54	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 49.5	49.5	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 8.68	8.68	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 43.4	43.4	
Methylene Chloride	< 41.7	41.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 43.4	43.4	
Propylene	< 172	172	
Styrene	< 426	426	
Tetrachloroethene	< 3.19	3.19	
Tetrahydrofuran	< 295	295	
Toluene	< 3770	3770	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 4.54	4.54	
Trichloroethene	**55.3**	1.07	
Trichlorofluoromethane	< 562	562	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	112%		
Analysis Date/Time:	9-15-17/08:25		
Analyst Initials	tjg		

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2017-551

Analytical Method: TO-15
Analytical Batch: 091317AIR

Client Sample ID: 6493-105 WARREN ST-IA-1
Sample Collection START Date/Time: 9/6/17 10:22
Sample Collection END Date/Time: 9/7/17 10:13
Envision Sample Number: 17-2199
Sample Received Date/Time: 9/11/17 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 546	546	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 4.05	4.05	
1,1-Dichloroethene	< 198	198	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 4.92	4.92	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 60.1	60.1	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 4.92	4.92	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 60.1	60.1	
1,4-Dichlorobenzene	< 0.60	0.60	
1,4-Dioxane	< 1.80	1.80	
2-Butanone (MEK)	< 2950	2950	
2-Hexanone	< 20.5	20.5	
Acetone	< 2380	2380	
Benzene	< 1.60	1.60	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 3.88	3.88	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 23.0	23.0	
Chloroethane	< 13.2	13.2	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 20.6	20.6	
cis-1,2-Dichloroethene	< 19.8	19.8	
cis-1,3-Dichloropropene	< 4.54	4.54	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 49.5	49.5	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 8.68	8.68	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 43.4	43.4	
Methylene Chloride	< 41.7	41.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 43.4	43.4	
Propylene	< 172	172	
Styrene	< 426	426	
Tetrachloroethene	< 3.19	3.19	
Tetrahydrofuran	< 295	295	
Toluene	< 3770	3770	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 4.54	4.54	
Trichloroethene	**76.4**	1.07	
Trichlorofluoromethane	< 562	562	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	113%		
Analysis Date/Time:	9-15-17/09:03		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2017-551

Analytical Method: TO-15
Analytical Batch: 091817AIR

Client Sample ID: 6493-105 WARREN ST-SSV-
Envision Sample Number: 17-2200
Sample Matrix: AIR

Sample Collection START Date/Time: 9/7/17 10:42
Sample Collection END Date/Time: 9/7/17 10:47
Sample Received Date/Time: 9/11/17 10:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 546	546	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 4.05	4.05	
1,1-Dichloroethene	< 198	198	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 4.92	4.92	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 60.1	60.1	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 4.92	4.92	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 60.1	60.1	
1,4-Dichlorobenzene	< 0.60	0.60	
1,4-Dioxane	< 1.80	1.80	
2-Butanone (MEK)	< 2950	2950	
2-Hexanone	< 20.5	20.5	
Acetone	< 2380	2380	
Benzene	< 1.60	1.60	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 3.88	3.88	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 23.0	23.0	
Chloroethane	< 13.2	13.2	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 20.6	20.6	
cis-1,2-Dichloroethene	< 19.8	19.8	
cis-1,3-Dichloropropene	< 4.54	4.54	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 49.5	49.5	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 8.68	8.68	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 43.4	43.4	
Methylene Chloride	< 41.7	41.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 43.4	43.4	
Propylene	< 172	172	
Styrene	< 426	426	
Tetrachloroethene	**10.9**	3.19	
Tetrahydrofuran	< 295	295	
Toluene	< 3770	3770	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 4.54	4.54	
Trichloroethene	**3.28**	1.07	
Trichlorofluoromethane	< 562	562	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	107%		
Analysis Date/Time:	9-18-17/14:06		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2017-551

Analytical Method: TO-15
Analytical Batch: 091317AIR

Client Sample ID: 6493-OA-1-24HR
Sample Collection START Date/Time: 9/6/17 10:32
Sample Collection END Date/Time: 9/7/17 10:15
Envision Sample Number: 17-2201
Sample Received Date/Time: 9/11/17 10:00
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 546	546	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 4.05	4.05	
1,1-Dichloroethene	< 198	198	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 4.92	4.92	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 60.1	60.1	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 4.92	4.92	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 60.1	60.1	
1,4-Dichlorobenzene	< 0.60	0.60	
1,4-Dioxane	< 1.80	1.80	
2-Butanone (MEK)	< 2950	2950	
2-Hexanone	< 20.5	20.5	
Acetone	< 2380	2380	
Benzene	< 1.60	1.60	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 3.88	3.88	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 23.0	23.0	
Chloroethane	< 13.2	13.2	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 20.6	20.6	
cis-1,2-Dichloroethene	< 19.8	19.8	
cis-1,3-Dichloropropene	< 4.54	4.54	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 49.5	49.5	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 8.68	8.68	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 43.4	43.4	
Methylene Chloride	< 41.7	41.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 43.4	43.4	
Propylene	< 172	172	
Styrene	< 426	426	
Tetrachloroethene	< 3.19	3.19	
Tetrahydrofuran	< 295	295	
Toluene	< 3770	3770	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 4.54	4.54	
Trichloroethene	< 1.07	1.07	
Trichlorofluoromethane	< 562	562	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	105%		
Analysis Date/Time:	9-15-17/05:52		
Analyst Initials	tjg		

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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 091317AIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 100	100	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 1	1	
1,1-Dichloroethene	< 50	50	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 1	1	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 10	10	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 1	1	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 10	10	
1,4-Dichlorobenzene	< 0.1	0.1	
1,4-Dioxane	< 0.5	0.5	
2-Butanone (MEK)	< 1000	1000	
2-Hexanone	< 5	5	
Acetone	< 1000	1000	
Benzene	< 0.5	0.5	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 1	1	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
Chloroform	< 0.17	0.17	
Chloromethane	< 10	10	
cis-1,2-Dichloroethene	< 5	5	
cis-1,3-Dichloropropene	< 1	1	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 10	10	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 2	2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 10	10	
Methylene Chloride	< 12	12	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 10	10	
Propylene	< 100	100	
Styrene	< 100	100	
Tetrachloroethene	< 0.47	0.47	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 1000	1000	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 1	1	
Trichloroethene	< 0.2	0.2	
Trichlorofluoromethane	< 100	100	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	96%		
Analysis Date/Time:	9-15-17/03:22		
Analyst Initials	tjg		

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Propylene	10.6	11.1	10	106%	111%	4.6%	
Dichlorodifluoromethane	10.4	10.2	10	104%	102%	1.9%	
Chloromethane	10.1	9.58	10	101%	96%	5.3%	
Vinyl Chloride	10.8	10.7	10	108%	107%	0.9%	
1,3-Butadiene	11.4	10.9	10	114%	109%	4.5%	
Bromomethane	11.4	10.8	10	114%	108%	5.4%	
Chloroethane	9.86	9.37	10	99%	94%	5.1%	
Vinyl Bromide	11.6	11	10	116%	110%	5.3%	
Trichlorofluoromethane	10.5	9.8	10	105%	98%	6.9%	
Acetone	11.3	11.1	10	113%	111%	1.8%	
1,1-Dichloroethene	10.8	10.6	10	108%	106%	1.9%	
Methylene Chloride	8.41	8.4	10	84%	84%	0.1%	
Carbon Disulfide	9.01	8.84	10	90%	88%	1.9%	
trans-1,2-Dichloroethene	9.26	9.2	10	93%	92%	0.7%	
Methyl-tert-butyl ether	11.7	11.2	10	117%	112%	4.4%	
1,1-Dichloroethane	9.26	9.35	10	93%	94%	1.0%	
Vinyl Acetate	9.4	9.6	10	94%	96%	2.1%	
N-Hexane	8	8.13	10	80%	81%	1.6%	
2-Butanone (MEK)	8.83	8.79	10	88%	88%	0.5%	
cis-1,2-Dichloroethene	9.78	9.41	10	98%	94%	3.9%	
Ethyl Acetate	8.77	8.73	10	88%	87%	0.5%	
Chloroform	10.4	10.2	10	104%	102%	1.9%	
Tetrahydrofuran	8.79	8.8	10	88%	88%	0.1%	
1,2-Dichloroethane	11.6	11.7	10	116%	117%	0.9%	
1,1,1-Trichloroethane	11.9	12	10	119%	120%	0.8%	
Carbon Tetrachloride	10.4	9.88	10	104%	99%	5.1%	
Benzene	8.98	9.1	10	90%	91%	1.3%	
Cyclohexane	8.98	9.17	10	90%	92%	2.1%	
1,2-Dichloropropane	9.32	9.53	10	93%	95%	2.2%	
Trichloroethene	10.5	10.7	10	105%	107%	1.9%	
Bromodichloromethane	10.8	10.7	10	108%	107%	0.9%	
1,4-Dioxane	8.79	9.33	10	88%	93%	6.0%	
Isooctane	8.06	9.03	10	81%	90%	11.4%	
N-Heptane	9.68	9.71	10	97%	97%	0.3%	
cis-1,3-Dichloropropene	10	10.1	10	100%	101%	1.0%	
4-Methyl-2-pentanone (MIBK)	10.4	10.6	10	104%	106%	1.9%	
trans-1,3-Dichloropropene	9.87	9.84	10	99%	98%	0.3%	
1,1,2-Trichloroethane	9.95	10.2	10	100%	102%	2.5%	
Toluene	9.26	9.52	10	93%	95%	2.8%	
2-Hexanone	9.23	9.44	10	92%	94%	2.2%	
Dibromochloromethane	11	10.8	10	110%	108%	1.8%	
1,2-dibromoethane (EDB)	9.6	9.63	10	96%	96%	0.3%	
Tetrachloroethene	10	9.92	10	100%	99%	0.8%	
Chlorobenzene	8.92	8.83	10	89%	88%	1.0%	
Ethylbenzene	8.85	8.86	10	89%	89%	0.1%	
m,p-Xylene	18.7	18.5	20	94%	93%	1.1%	
Bromoform	11.1	10.8	10	111%	108%	2.7%	

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Analytical Report

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Styrene	9.82	9.76	10	98%	98%	0.6%	
1,1,2,2-Tetrachloroethane	8.8	8.89	10	88%	89%	1.0%	
o-Xylene	9.57	9.74	10	96%	97%	1.8%	
4-Ethyltoluene	9.92	9.87	10	99%	99%	0.5%	
1,3,5-Trimethylbenzene	9.59	9.48	10	96%	95%	1.2%	
1,2,4-Trimethylbenzene	9.98	9.93	10	100%	99%	0.5%	
1,3-Dichlorobenzene	9.62	9.26	10	96%	93%	3.8%	
Benzyl Chloride	9.05	8.93	10	91%	89%	1.3%	
1,4-Dichlorobenzene	8.3	8.34	10	83%	83%	0.5%	
1,2-Dichlorobenzene	10.2	9.98	10	102%	100%	2.2%	
1,2,4-Trichlorobenzene	10.5	10.4	10	105%	104%	1.0%	
Hexachloro-1,3-butadiene	11.8	11.4	10	118%	114%	3.4%	
4-bromofluorobenzene (surrogate)	112%	111%					
Analysis Date/Time:	9-15-17/02:06	9-15-17/02:47					
Analyst Initials	tjg	tjg					

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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 091817AIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 100	100	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 1	1	
1,1-Dichloroethene	< 50	50	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 1	1	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 10	10	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 1	1	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 10	10	
1,4-Dichlorobenzene	< 0.1	0.1	
1,4-Dioxane	< 0.5	0.5	
2-Butanone (MEK)	< 1000	1000	
2-Hexanone	< 5	5	
Acetone	< 1000	1000	
Benzene	< 0.5	0.5	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 1	1	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
Chloroform	< 0.17	0.17	
Chloromethane	< 10	10	
cis-1,2-Dichloroethene	< 5	5	
cis-1,3-Dichloropropene	< 1	1	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 10	10	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 2	2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 10	10	
Methylene Chloride	< 12	12	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 10	10	
Propylene	< 100	100	
Styrene	< 100	100	
Tetrachloroethene	< 0.47	0.47	
Tetrahydrofuran	< 100	100	

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Analytical Report

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 1000	1000	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 1	1	
Trichloroethene	< 0.2	0.2	
Trichlorofluoromethane	< 100	100	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	95%		
Analysis Date/Time:	9-18-17/18:20		
Analyst Initials	tjg		

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Propylene	8.68	8.72	10	87%	87%	0.5%	
Dichlorodifluoromethane	10.7	10.2	10	107%	102%	4.8%	
Chloromethane	9.65	9.34	10	97%	93%	3.3%	
Vinyl Chloride	9.76	10.5	10	98%	105%	7.3%	
1,3-Butadiene	10.2	10.9	10	102%	109%	6.6%	
Bromomethane	10.5	10.9	10	105%	109%	3.7%	
Chloroethane	9.3	10.2	10	93%	102%	9.2%	
Vinyl Bromide	10.9	11.3	10	109%	113%	3.6%	
Trichlorofluoromethane	12	11.3	10	120%	113%	6.0%	
Acetone	10.7	11	10	107%	110%	2.8%	
1,1-Dichloroethene	10	10.4	10	100%	104%	3.9%	
Methylene Chloride	8.95	9.21	10	90%	92%	2.9%	
Carbon Disulfide	9.27	9.65	10	93%	97%	4.0%	
trans-1,2-Dichloroethene	9.85	10	10	99%	100%	1.5%	
Methyl-tert-butyl ether	11.1	10.9	10	111%	109%	1.8%	
1,1-Dichloroethane	9.4	9.6	10	94%	96%	2.1%	
Vinyl Acetate	9.7	10	10	97%	100%	3.0%	
N-Hexane	8.71	9.15	10	87%	92%	4.9%	
2-Butanone (MEK)	9.39	9.92	10	94%	99%	5.5%	
cis-1,2-Dichloroethene	9.76	9.71	10	98%	97%	0.5%	
Ethyl Acetate	9.36	9.54	10	94%	95%	1.9%	
Chloroform	9.91	9.92	10	99%	99%	0.1%	
Tetrahydrofuran	8.89	9.79	10	89%	98%	9.6%	
1,2-Dichloroethane	9.7	10	10	97%	100%	3.0%	
1,1,1-Trichloroethane	10.3	10.3	10	103%	103%	0.0%	
Carbon Tetrachloride	10.5	10.4	10	105%	104%	1.0%	
Benzene	9.48	9.67	10	95%	97%	2.0%	
Cyclohexane	9.32	9.75	10	93%	98%	4.5%	
1,2-Dichloropropane	9.64	10.2	10	96%	102%	5.6%	
Trichloroethene	9.96	10.4	10	100%	104%	4.3%	
Bromodichloromethane	9.61	10	10	96%	100%	4.0%	
1,4-Dioxane	9.65	11.5	10	97%	115%	17.5%	
Isooctane	8.39	8.54	10	84%	85%	1.8%	
N-Heptane	9.34	9.82	10	93%	98%	5.0%	
cis-1,3-Dichloropropene	9.8	10.2	10	98%	102%	4.0%	
4-Methyl-2-pentanone (MIBK)	9.83	10.2	10	98%	102%	3.7%	
trans-1,3-Dichloropropene	9.72	10.1	10	97%	101%	3.8%	
1,1,2-Trichloroethane	9.87	10.5	10	99%	105%	6.2%	
Toluene	9.27	9.67	10	93%	97%	4.2%	
2-Hexanone	9.45	10	10	95%	100%	5.7%	
Dibromochloromethane	9.71	9.77	10	97%	98%	0.6%	
1,2-dibromoethane (EDB)	9.39	9.47	10	94%	95%	0.8%	
Tetrachloroethene	9.35	9.39	10	94%	94%	0.4%	
Chlorobenzene	8.85	9.01	10	89%	90%	1.8%	
Ethylbenzene	8.24	8.27	10	82%	83%	0.4%	
m,p-Xylene	17	17.2	20	85%	86%	1.2%	
Bromoform	9.84	9.74	10	98%	97%	1.0%	

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Analytical Report

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Styrene	9.64	9.99	10	96%	100%	3.6%	
1,1,2,2-Tetrachloroethane	8.07	8.43	10	81%	84%	4.4%	
o-Xylene	8.7	9.02	10	87%	90%	3.6%	
4-Ethyltoluene	8.84	8.79	10	88%	88%	0.6%	
1,3,5-Trimethylbenzene	8.02	8.33	10	80%	83%	3.8%	
1,2,4-Trimethylbenzene	8.6	8.64	10	86%	86%	0.5%	
1,3-Dichlorobenzene	9.13	9.21	10	91%	92%	0.9%	
Benzyl Chloride	9.48	9.98	10	95%	100%	5.1%	
1,4-Dichlorobenzene	8.48	8.84	10	85%	88%	4.2%	
1,2-Dichlorobenzene	9.67	9.59	10	97%	96%	0.8%	
1,2,4-Trichlorobenzene	12.2	11.6	10	122%	116%	5.0%	
Hexachloro-1,3-butadiene	11.3	11.5	10	113%	115%	1.8%	
4-bromofluorobenzene (surrogate)	104%	102%					
Analysis Date/Time:	9-18-17/15:51	9-18-17/17:03					
Analyst Initials	tjg	tjg					

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Flag Number	Comments
1	Reporting limit is supported by MDL. TJG

EnvisionAir Proj#: 2017-551 Page 1 of 1

CHAIN OF CUSTODY RECORD

EnvisionAir | 1441 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-0885 | Fax: (317) 351-0882

Client: EnviroForensics	P.O. Number: 2017-1283
Report N16 W23390 Stone Ridge Dr Address: Suite G1, Waukesha WI 53188	Project Name or Number: 6493 Portage Cleaners
Report To: R. Haverman / K. Heimstead	Sampled by: K. Heimstead
Phone: 317-972-7870	QA/QC Required: (circle if applicable) Level III Level IV
Invoice Address:	Reporting Units needed: (circle) ug/m³ mg/m³ PPBV PPMV
Desired TAT: (Please Circle One) 1 day 2 days 3 days Std (5 bus. days)	Media type: 1LC = 1 Liter Canister, 6LC = 6 Liter Canister, TB = Tedlar Bag, TD = Thermal Desorption Tube

REQUESTED PARAMETERS

TO-15 Full List | TO-15 Short List

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Sampling Type:
Soil-Gas: □
Sub-Slab: ☒
Indoor-Air: ☒

Canister Pressure / Vacuum

Air Sample ID	Media Type (see code above)	Coll. Date (Grab/Comp Start)	Coll. Time (Grab/Comp Start)	Coll. Date (Comp. End)	Coll. Time (Comp. End)	TO-15 Full List	TO-15 Short List			Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
6493-105 Warren St-IA-B	6LC	9/6/17	1020	9/7/17	1010	x				14114	07254	-29	-5		17-2198
6493-105 Warren St-IA-C	6LC	9/6/17	1022	9/7/17	1013	x				91607	05217	-29	-5		17-2199
6493-105 Warren St-SSV-1	1LC	9/7/17	1042	9/7/17	1047	x				83818	-	-29	-2		17-2200
6493-OA-1-24 Hr	6LC	9/6/17	1032	9/7/17	1015	x				19565	07458	-29	-5		17-2201

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
	9/8/17		FedEx	9/8/17	
				9/11/17	1000

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Mr. Kyle Heimstead
Enviroforensics
N16 W. 23390 Stone Ridge Dr
Suite G
Waukesha, WI 53188

December 21, 2017

EnvisionAir Project Number: 2017-711
Client Project Name: 6493

Dear Mr. Heimstead,

Please find the attached analytical report for the samples received December 11, 2017. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. EnvisionAir looks forward to working with you on your next project.

Yours Sincerely,

Stanley A Hunnicutt

Project Manager
EnvisionAir, LLC

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Client Name: ENVIROFORENSICS

Project ID: 6493

Client Project Manager: KYLE HEIMSTEAD

EnvisionAir Project Number: 2017-711

Sample Summary

Canister Pressure / Vacuum

Laboratory Sample Number:	Sample Description:	Matrix:	START Date Collected:	START Time Collected:	End Date Collected:	End Time Collected:	Date Received:	Time Received	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)
17-2708	6493-OA-1	A	12/5/17	10:57	12/6/17	10:56	12/11/17	11:25	-29	-5	-5
17-2709	6493-105 WARREN ST-IA-1	A	12/5/17	10:52	12/6/17	11:02	12/11/17	11:25	-29	-5	-5
17-2710	6493-105 WARREN ST-IA-B	A	12/5/17	10:55	12/6/17	11:01	12/11/17	11:25	-29	-3	-3
17-2711	6493-105 WARREN ST-SSV1	A	12/6/17	11:15	12/6/17	11:20	12/11/17	11:25	-29	-4	-4

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Client Name: ENVIROFORENSICS

Project ID: 6493

Client Project Manager: KYLE HEIMSTEAD

EnvisionAir Project Number: 2017-711

Analytical Method: TO-15
Analytical Batch: 121417AIR(1)

Client Sample ID: 6493-OA-1
Envision Sample Number: 17-2708
Sample Matrix: AIR

Sample Collection START Date/Time: 12/5/17 10:57
Sample Collection END Date/Time: 12/6/17 10:56
Sample Received Date/Time: 12/11/17 11:25

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 546	546	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 4.05	4.05	
1,1-Dichloroethene	< 198	198	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 4.92	4.92	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 60.1	60.1	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 4.92	4.92	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 60.1	60.1	
1,4-Dichlorobenzene	< 0.60	0.60	
1,4-Dioxane	< 1.80	1.80	
2-Butanone (MEK)	< 2950	2950	
2-Hexanone	< 20.5	20.5	
Acetone	< 2380	2380	
Benzene	< 1.60	1.60	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 3.88	3.88	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 23.0	23.0	
Chloroethane	< 13.2	13.2	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 20.6	20.6	
cis-1,2-Dichloroethene	< 19.8	19.8	
cis-1,3-Dichloropropene	< 4.54	4.54	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 49.5	49.5	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 8.68	8.68	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 43.4	43.4	
Methylene Chloride	< 41.7	41.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 43.4	43.4	
Propylene	< 172	172	
Styrene	< 426	426	
Tetrachloroethene	< 3.19	3.19	
Tetrahydrofuran	< 295	295	
Toluene	< 3770	3770	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 4.54	4.54	
Trichloroethene	< 1.07	1.07	
Trichlorofluoromethane	< 562	562	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	92%		
Analysis Date/Time:	12-14-17/19:23		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6493

Client Project Manager: KYLE HEIMSTEAD

EnvisionAir Project Number: 2017-711

Analytical Method: TO-15
Analytical Batch: 121417AIR(1)

Client Sample ID: 6493-105 WARREN ST-IA-1
Envision Sample Number: 17-2709
Sample Matrix: AIR

Sample Collection START Date/Time: 12/5/17 10:52
Sample Collection END Date/Time: 12/6/17 11:02
Sample Received Date/Time: 12/11/17 11:25

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 546	546	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 4.05	4.05	
1,1-Dichloroethene	< 198	198	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 4.92	4.92	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 60.1	60.1	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 4.92	4.92	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 60.1	60.1	
1,4-Dichlorobenzene	< 0.60	0.60	
1,4-Dioxane	< 1.80	1.80	
2-Butanone (MEK)	< 2950	2950	
2-Hexanone	< 20.5	20.5	
Acetone	< 2380	2380	
Benzene	< 1.60	1.60	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 3.88	3.88	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 23.0	23.0	
Chloroethane	< 13.2	13.2	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 20.6	20.6	
cis-1,2-Dichloroethene	< 19.8	19.8	
cis-1,3-Dichloropropene	< 4.54	4.54	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 49.5	49.5	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 8.68	8.68	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 43.4	43.4	
Methylene Chloride	< 41.7	41.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 43.4	43.4	
Propylene	< 172	172	
Styrene	< 426	426	
Tetrachloroethene	< 3.19	3.19	
Tetrahydrofuran	< 295	295	
Toluene	< 3770	3770	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 4.54	4.54	
Trichloroethene	< 1.07	1.07	
Trichlorofluoromethane	< 562	562	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	94%		
Analysis Date/Time:	12-14-17/22:01		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6493

Client Project Manager: KYLE HEIMSTEAD

EnvisionAir Project Number: 2017-711

Analytical Method: TO-15
Analytical Batch: 121417AIR(1)

Client Sample ID: 6493-105 WARREN ST-IA-B
Sample Collection START Date/Time: 12/5/17 10:55
Sample Collection END Date/Time: 12/6/17 11:01
Envision Sample Number: 17-2710
Sample Received Date/Time: 12/11/17 11:25
Sample Matrix: AIR

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 492	492	
4-Methyl-2-pentanone (MIBK)	< 2050	2050	
1,1,1-Trichloroethane	< 546	546	
1,1,2,2-Tetrachloroethane	< 0.34	0.34	1
1,1,2-Trichloroethane	< 0.21	0.21	1
1,1-Dichloroethane	< 4.05	4.05	
1,1-Dichloroethene	< 198	198	
1,2,4-Trichlorobenzene	< 0.74	0.74	
1,2,4-Trimethylbenzene	< 4.92	4.92	
1,2-dibromoethane (EDB)	< 0.03	0.03	1
1,2-Dichlorobenzene	< 60.1	60.1	
1,2-Dichloroethane	< 0.40	0.40	
1,2-Dichloropropane	< 0.46	0.46	
1,3,5-Trimethylbenzene	< 4.92	4.92	
1,3-Butadiene	< 0.22	0.22	
1,3-Dichlorobenzene	< 60.1	60.1	
1,4-Dichlorobenzene	< 0.60	0.60	
1,4-Dioxane	< 1.80	1.80	
2-Butanone (MEK)	< 2950	2950	
2-Hexanone	< 20.5	20.5	
Acetone	< 2380	2380	
Benzene	< 1.60	1.60	
Benzyl Chloride	< 0.41	0.41	1
Bromodichloromethane	< 0.54	0.54	1
Bromoform	< 10.3	10.3	
Bromomethane	< 3.88	3.88	
Carbon Disulfide	< 311	311	
Carbon Tetrachloride	< 0.63	0.63	
Chlorobenzene	< 23.0	23.0	
Chloroethane	< 13.2	13.2	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 0.83	0.83	
Chloromethane	< 20.6	20.6	
cis-1,2-Dichloroethene	< 19.8	19.8	
cis-1,3-Dichloropropene	< 4.54	4.54	
Cyclohexane	< 5510	5510	
Dibromochloromethane	< 0.85	0.85	
Dichlorodifluoromethane	< 49.5	49.5	
Ethyl Acetate	< 1800	1800	
Ethylbenzene	< 8.68	8.68	
Hexachloro-1,3-butadiene	< 1.07	1.07	
Isooctane	< 467	467	
m,p-Xylene	< 43.4	43.4	
Methylene Chloride	< 41.7	41.7	
Methyl-tert-butyl ether	< 36.1	36.1	
N-Heptane	< 410	410	
N-Hexane	< 176	176	
o-Xylene	< 43.4	43.4	
Propylene	< 172	172	
Styrene	< 426	426	
Tetrachloroethene	< 3.19	3.19	
Tetrahydrofuran	< 295	295	
Toluene	< 3770	3770	
trans-1,2-Dichloroethene	< 39.6	39.6	
trans-1,3-Dichloropropene	< 4.54	4.54	
Trichloroethene	< 1.07	1.07	
Trichlorofluoromethane	< 562	562	
Vinyl Acetate	< 176	176	
Vinyl Bromide	< 0.44	0.44	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	97%		
Analysis Date/Time:	12-14-17/22:40		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6493

Client Project Manager: KYLE HEIMSTEAD

EnvisionAir Project Number: 2017-711

Analytical Method: TO-15
Analytical Batch: 121417AIR(2)

Client Sample ID: 6493-105 WARREN ST-IA-SSV1
Envision Sample Number: 17-2711
Sample Matrix: AIR

Sample Collection START Date/Time: 12/6/17 11:15
Sample Collection END Date/Time: 12/6/17 11:20
Sample Received Date/Time: 12/11/17 11:25

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
4-Ethyltoluene	< 4920	4920	
4-Methyl-2-pentanone (MIBK)	< 20500	20500	
1,1,1-Trichloroethane	< 5460	5460	
1,1,2,2-Tetrachloroethane	< 3.36	3.36	1
1,1,2-Trichloroethane	< 2.10	2.10	1
1,1-Dichloroethane	< 40.5	40.5	
1,1-Dichloroethene	< 1980	1980	
1,2,4-Trichlorobenzene	< 7.42	7.42	
1,2,4-Trimethylbenzene	< 49.2	49.2	
1,2-dibromoethane (EDB)	< 0.32	0.32	1
1,2-Dichlorobenzene	< 601	601	
1,2-Dichloroethane	< 4.05	4.05	
1,2-Dichloropropane	< 4.62	4.62	
1,3,5-Trimethylbenzene	< 49.2	49.2	
1,3-Butadiene	< 2.21	2.21	
1,3-Dichlorobenzene	< 601	601	
1,4-Dichlorobenzene	< 6.01	6.01	
1,4-Dioxane	< 18.0	18.0	
2-Butanone (MEK)	< 29500	29500	
2-Hexanone	< 205	205	
Acetone	< 23800	23800	
Benzene	< 16.0	16.0	
Benzyl Chloride	< 4.14	4.14	1
Bromodichloromethane	< 5.36	5.36	1
Bromoform	< 103	103	
Bromomethane	< 38.8	38.8	
Carbon Disulfide	< 3110	3110	
Carbon Tetrachloride	< 6.29	6.29	
Chlorobenzene	< 230	230	
Chloroethane	< 132	132	

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Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
Chloroform	< 8.30	8.30	
Chloromethane	< 206	206	
cis-1,2-Dichloroethene	< 198	198	
cis-1,3-Dichloropropene	< 45.4	45.4	
Cyclohexane	< 55100	55100	
Dibromochloromethane	< 8.52	8.52	
Dichlorodifluoromethane	< 495	495	
Ethyl Acetate	< 18000	18000	
Ethylbenzene	< 86.8	86.8	
Hexachloro-1,3-butadiene	< 10.7	10.7	
Isooctane	< 4670	4670	
m,p-Xylene	< 434	434	
Methylene Chloride	< 417	417	
Methyl-tert-butyl ether	< 361	361	
N-Heptane	< 4100	4100	
N-Hexane	< 1760	1760	
o-Xylene	< 434	434	
Propylene	< 1720	1720	
Styrene	< 4260	4260	
Tetrachloroethene	**50.9**	31.9	
Tetrahydrofuran	< 2950	2950	
Toluene	< 37700	37700	
trans-1,2-Dichloroethene	< 396	396	
trans-1,3-Dichloropropene	< 45.4	45.4	
Trichloroethene	< 10.7	10.7	
Trichlorofluoromethane	< 5620	5620	
Vinyl Acetate	< 1760	1760	
Vinyl Bromide	< 4.37	4.37	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surrogate)	97%		
Analysis Date/Time:	12-16-17/21:45		
Analyst Initials	tjg		

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TO-15 Quality Control Data

EnvisionAir Batch Number: 121417AIR(1)

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 100	100	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 1	1	
1,1-Dichloroethene	< 50	50	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 1	1	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 10	10	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 1	1	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 10	10	
1,4-Dichlorobenzene	< 0.1	0.1	
1,4-Dioxane	< 0.5	0.5	
2-Butanone (MEK)	< 1000	1000	
2-Hexanone	< 5	5	
Acetone	< 1000	1000	
Benzene	< 0.5	0.5	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 1	1	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
Chloroform	< 0.17	0.17	
Chloromethane	< 10	10	
cis-1,2-Dichloroethene	< 5	5	
cis-1,3-Dichloropropene	< 1	1	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 10	10	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 2	2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 10	10	
Methylene Chloride	< 12	12	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 10	10	
Propylene	< 100	100	
Styrene	< 100	100	
Tetrachloroethene	< 0.47	0.47	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 1000	1000	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 1	1	
Trichloroethene	< 0.2	0.2	
Trichlorofluoromethane	< 100	100	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	92%		
Analysis Date/Time:	12-14-17/12:42		
Analyst Initials	tjg		

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Propylene	10.3	10.5	10	103%	105%	1.9%	
Dichlorodifluoromethane	8.74	9.3	10	87%	93%	6.2%	
Chloromethane	10.7	8.11	10	107%	81%	27.5%	2
Vinyl Chloride	11.5	10.6	10	115%	106%	8.1%	
1,3-Butadiene	11.9	10.6	10	119%	106%	11.6%	
Bromomethane	9.03	8.37	10	90%	84%	7.6%	
Chloroethane	10.7	9.7	10	107%	97%	9.8%	
Vinyl Bromide	9.19	8.12	10	92%	81%	12.4%	
Trichlorofluoromethane	8.99	8.16	10	90%	82%	9.7%	
Acetone	11	10.1	10	110%	101%	8.5%	
1,1-Dichloroethene	9.79	8.7	10	98%	87%	11.8%	
Methylene Chloride	8.3	8.99	10	83%	90%	8.0%	
Carbon Disulfide	10.2	9.53	10	102%	95%	6.8%	
trans-1,2-Dichloroethene	10.6	9.83	10	106%	98%	7.5%	
Methyl-tert-butyl ether	10.1	9.67	10	101%	97%	4.4%	
1,1-Dichloroethane	9	9.67	10	90%	97%	7.2%	
Vinyl Acetate	8.93	9.92	10	89%	99%	10.5%	
N-Hexane	8.49	9.88	10	85%	99%	15.1%	
2-Butanone (MEK)	8.41	9.75	10	84%	98%	14.8%	
cis-1,2-Dichloroethene	9.63	10.3	10	96%	103%	6.7%	
Ethyl Acetate	10.2	9.57	10	102%	96%	6.4%	
Chloroform	10.1	10	10	101%	100%	1.0%	
Tetrahydrofuran	9.14	10.6	10	91%	106%	14.8%	
1,2-Dichloroethane	9.17	9.84	10	92%	98%	7.0%	
1,1,1-Trichloroethane	10.2	10.3	10	102%	103%	1.0%	
Carbon Tetrachloride	10.7	10.5	10	107%	105%	1.9%	
Benzene	10.1	10.8	10	101%	108%	6.7%	
Cyclohexane	9.03	10.7	10	90%	107%	16.9%	
1,2-Dichloropropane	9.23	10.1	10	92%	101%	9.0%	
Trichloroethene	10.6	10.6	10	106%	106%	0.0%	
Bromodichloromethane	10.3	10.5	10	103%	105%	1.9%	
1,4-Dioxane	8.31	8.33	10	83%	83%	0.2%	
Isooctane	9.43	10.8	10	94%	108%	13.5%	
N-Heptane	8.3	10.3	10	83%	103%	21.5%	2
cis-1,3-Dichloropropene	10.6	10.7	10	106%	107%	0.9%	
4-Methyl-2-pentanone (MIBK)	9.06	9.42	10	91%	94%	3.9%	
trans-1,3-Dichloropropene	10.5	10.7	10	105%	107%	1.9%	
1,1,2-Trichloroethane	10.4	10.6	10	104%	106%	1.9%	
Toluene	10.1	10.4	10	101%	104%	2.9%	
2-Hexanone	8.6	8.97	10	86%	90%	4.2%	
Dibromochloromethane	11.3	10.7	10	113%	107%	5.5%	
1,2-dibromoethane (EDB)	11	10.6	10	110%	106%	3.7%	
Tetrachloroethene	11.1	10.7	10	111%	107%	3.7%	
Chlorobenzene	10.6	10.3	10	106%	103%	2.9%	
Ethylbenzene	11.1	11	10	111%	110%	0.9%	
m,p-Xylene	22	21.5	20	110%	108%	2.3%	
Bromoform	11.6	11.1	10	116%	111%	4.4%	

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LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Styrene	11	10.5	10	110%	105%	4.7%	
1,1,2,2-Tetrachloroethane	10.4	10.3	10	104%	103%	1.0%	
o-Xylene	11.5	11.3	10	115%	113%	1.8%	
4-Ethyltoluene	11.3	11.2	10	113%	112%	0.9%	
1,3,5-Trimethylbenzene	10.6	10.3	10	106%	103%	2.9%	
1,2,4-Trimethylbenzene	10.7	10.4	10	107%	104%	2.8%	
1,3-Dichlorobenzene	9.99	9.74	10	100%	97%	2.5%	
Benzyl Chloride	10.3	9.82	10	103%	98%	4.8%	
1,4-Dichlorobenzene	10.1	9.94	10	101%	99%	1.6%	
1,2-Dichlorobenzene	10.7	10.6	10	107%	106%	0.9%	
1,2,4-Trichlorobenzene	10.3	9.3	10	103%	93%	10.2%	
Hexachloro-1,3-butadiene	11.4	10.6	10	114%	106%	7.3%	
4-bromofluorobenzene (surrogate)	104%	100%					
Analysis Date/Time:	12-14-17/12:07	12-14-17/21:22					
Analyst Initials	tjg	tjg					

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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 121417AIR(2)

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
4-Ethyltoluene	< 100	100	
4-Methyl-2-pentanone (MIBK)	< 500	500	
1,1,1-Trichloroethane	< 100	100	
1,1,2,2-Tetrachloroethane	< 0.049	0.049	1
1,1,2-Trichloroethane	< 0.038	0.038	1
1,1-Dichloroethane	< 1	1	
1,1-Dichloroethene	< 50	50	
1,2,4-Trichlorobenzene	< 0.1	0.1	
1,2,4-Trimethylbenzene	< 1	1	
1,2-dibromoethane (EDB)	< 0.0041	0.0041	1
1,2-Dichlorobenzene	< 10	10	
1,2-Dichloroethane	< 0.1	0.1	
1,2-Dichloropropane	< 0.1	0.1	
1,3,5-Trimethylbenzene	< 1	1	
1,3-Butadiene	< 0.1	0.1	
1,3-Dichlorobenzene	< 10	10	
1,4-Dichlorobenzene	< 0.1	0.1	
1,4-Dioxane	< 0.5	0.5	
2-Butanone (MEK)	< 1000	1000	
2-Hexanone	< 5	5	
Acetone	< 1000	1000	
Benzene	< 0.5	0.5	
Benzyl Chloride	< 0.08	0.08	1
Bromodichloromethane	< 0.08	0.08	1
Bromoform	< 1	1	
Bromomethane	< 1	1	
Carbon Disulfide	< 100	100	
Carbon Tetrachloride	< 0.1	0.1	
Chlorobenzene	< 5	5	
Chloroethane	< 5	5	
Chloroform	< 0.17	0.17	
Chloromethane	< 10	10	
cis-1,2-Dichloroethene	< 5	5	
cis-1,3-Dichloropropene	< 1	1	
Cyclohexane	< 1600	1600	
Dibromochloromethane	< 0.1	0.1	
Dichlorodifluoromethane	< 10	10	
Ethyl Acetate	< 500	500	
Ethylbenzene	< 2	2	
Hexachloro-1,3-butadiene	< 0.1	0.1	
Isooctane	< 100	100	
m,p-Xylene	< 10	10	
Methylene Chloride	< 12	12	
Methyl-tert-butyl ether	< 10	10	
N-Heptane	< 100	100	
N-Hexane	< 50	50	
o-Xylene	< 10	10	
Propylene	< 100	100	
Styrene	< 100	100	
Tetrachloroethene	< 0.47	0.47	
Tetrahydrofuran	< 100	100	

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Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
Toluene	< 1000	1000	
trans-1,2-Dichloroethene	< 10	10	
trans-1,3-Dichloropropene	< 1	1	
Trichloroethene	< 0.2	0.2	
Trichlorofluoromethane	< 100	100	
Vinyl Acetate	< 50	50	
Vinyl Bromide	< 0.1	0.1	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	88%		
Analysis Date/Time:	12-16-17/03:59		
Analyst Initials	tjg		

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Propylene	9.46	9.18	10	95%	92%	3.0%	
Dichlorodifluoromethane	9.52	9.64	10	95%	96%	1.3%	
Chloromethane	11.2	9.31	10	112%	93%	18.4%	
Vinyl Chloride	10.4	9.45	10	104%	95%	9.6%	
1,3-Butadiene	10.5	10.1	10	105%	101%	3.9%	
Bromomethane	10.1	10.4	10	101%	104%	2.9%	
Chloroethane	10.6	10.1	10	106%	101%	4.8%	
Vinyl Bromide	9.99	10.5	10	100%	105%	5.0%	
Trichlorofluoromethane	8.49	8.32	10	85%	83%	2.0%	
Acetone	11.5	11.8	10	115%	118%	2.6%	
1,1-Dichloroethene	9.42	10.2	10	94%	102%	8.0%	
Methylene Chloride	8.47	8.75	10	85%	88%	3.3%	
Carbon Disulfide	8.36	9.01	10	84%	90%	7.5%	
trans-1,2-Dichloroethene	10.2	8.78	10	102%	88%	15.0%	
Methyl-tert-butyl ether	9.35	9.99	10	94%	100%	6.6%	
1,1-Dichloroethane	8.91	9.62	10	89%	96%	7.7%	
Vinyl Acetate	11.2	11.7	10	112%	117%	4.4%	
N-Hexane	10.6	11.2	10	106%	112%	5.5%	
2-Butanone (MEK)	11.4	11.9	10	114%	119%	4.3%	
cis-1,2-Dichloroethene	9.52	10.2	10	95%	102%	6.9%	
Ethyl Acetate	11.1	11.5	10	111%	115%	3.5%	
Chloroform	8.84	9.42	10	88%	94%	6.4%	
Tetrahydrofuran	10.7	9.88	10	107%	99%	8.0%	
1,2-Dichloroethane	9.43	9.39	10	94%	94%	0.4%	
1,1,1-Trichloroethane	9.51	9.52	10	95%	95%	0.1%	
Carbon Tetrachloride	9.48	9.61	10	95%	96%	1.4%	
Benzene	9.61	9.76	10	96%	98%	1.5%	
Cyclohexane	10.9	11	10	109%	110%	0.9%	
1,2-Dichloropropane	9.1	9.14	10	91%	91%	0.4%	
Trichloroethene	9.15	9.32	10	92%	93%	1.8%	
Bromodichloromethane	9.19	9.25	10	92%	93%	0.7%	
1,4-Dioxane	11.1	11.2	10	111%	112%	0.9%	
Isooctane	10.1	9.48	10	101%	95%	6.3%	
N-Heptane	11.5	11.6	10	115%	116%	0.9%	
cis-1,3-Dichloropropene	9.1	9.19	10	91%	92%	1.0%	
4-Methyl-2-pentanone (MIBK)	10.7	10.2	10	107%	102%	4.8%	
trans-1,3-Dichloropropene	8.95	9.15	10	90%	92%	2.2%	
1,1,2-Trichloroethane	8.3	8.57	10	83%	86%	3.2%	
Toluene	8.62	8.58	10	86%	86%	0.5%	
2-Hexanone	11.5	11.5	10	115%	115%	0.0%	
Dibromochloromethane	10.9	10.8	10	109%	108%	0.9%	
1,2-dibromoethane (EDB)	10.2	10	10	102%	100%	2.0%	
Tetrachloroethene	9.77	10	10	98%	100%	2.3%	
Chlorobenzene	9.89	9.81	10	99%	98%	0.8%	
Ethylbenzene	11.3	11.1	10	113%	111%	1.8%	
m,p-Xylene	22.4	22.5	20	112%	113%	0.4%	
Bromoform	11	11	10	110%	110%	0.0%	

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Analytical Report

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Styrene	10	10.1	10	100%	101%	1.0%	
1,1,2,2-Tetrachloroethane	10.6	10.4	10	106%	104%	1.9%	
o-Xylene	11.1	11	10	111%	110%	0.9%	
4-Ethyltoluene	10.8	10.7	10	108%	107%	0.9%	
1,3,5-Trimethylbenzene	10.5	10.2	10	105%	102%	2.9%	
1,2,4-Trimethylbenzene	10.3	10.2	10	103%	102%	1.0%	
1,3-Dichlorobenzene	8.58	8.45	10	86%	85%	1.5%	
Benzyl Chloride	9.25	9.34	10	93%	93%	1.0%	
1,4-Dichlorobenzene	8.21	8.34	10	82%	83%	1.6%	
1,2-Dichlorobenzene	9.09	9.02	10	91%	90%	0.8%	
1,2,4-Trichlorobenzene	8.1	8.58	10	81%	86%	5.8%	
Hexachloro-1,3-butadiene	8.25	8.47	10	83%	85%	2.6%	
4-bromofluorobenzene (surrogate)	117%	104%					
Analysis Date/Time:	12-16-17/02:43	12-16-17/03:24					
Analyst Initials	tjg	tjg					

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Flag Number	Comments
1	Reporting limit is supported by MDL. TJG
2	RPD is biased high, but recoveries are within control. TJG 12-20-17

EnvisionAir Proj#: 2017-711 Page 1 of 1

CHAIN OF CUSTODY RECORD

EnvisionAir | 1441 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-0885 | Fax: (317) 351-0882

Client: Enviroforensics	P.O. Number: 2017-1727
Report Address: N16 W23390 Stone Ridge Dr. Waukesha, WI 53188	Project Name or Number: 6493
Report To: K. Heimstead / R. Hovermann	Sampled by: Nate Duda
Phone: 612-210-3374	QA/QC Required: (circle if applicable) Level III Level IV
Invoice Address: same	Reporting Units needed: (circle) ug/m³ mg/m³ PPBV PPMV
Desired TAT: (Please Circle One) 1 day 2 days 3 days Std (5 bus. days)	Media type: 1LC = 1 Liter Canister, 6LC = 6 Liter Canister, TB = Tedlar Bag, TD = Thermal Desorption Tube

REQUESTED PARAMETERS

TO-15 Full List

TO-15 Short List

ENVISIONAIR

Sampling Type:
Soil-Gas: ☐
Sub-Slab: ☒
Indoor-Air: ☒

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Canister Pressure / Vacuum

Air Sample ID	Media Type (see code above)	Coll. Date (Grab/Comp Start)	Coll. Time (Grab/Comp Start)	Coll. Date (Comp. End)	Coll. Time (Comp. End)					Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
6493-OA-1	6LC	12-5-17	10:57	12-6-17	10:56	X				14120	03059	-29	-5	-5	17-2708
6493-105 Warren St-IA-1	6LC	12-5-17	10:52	12-6-17	11:02	X				4693	07303	-29	-5	-5	17-2709
6493-105 Warren St-IA-B	6LC	12-5-17	10:55	12-6-17	11:01	X				16060	07441	-29	-3	-3	17-2710
6493-105 Warren St-SSV1	1LC	12-6-17	11:15	12-6-17	11:20	X				83977	0099	-29	-4	-4	17-2711

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Nathan Duda	12-8-17	1200	Fed Ex		
			[signature]	12/11/17	1125

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Fax: 317-351-0882
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Mr. Kyle Heimstead
Enviroforensics
N16 W. 23390 Stone Ridge Dr
Suite G
Waukesha, WI 53188

February 5, 2018

EnvisionAir Project Number: 2018-52
Client Project Name: 6493

Dear Mr. Heimstead,

Please find the attached analytical report for the samples received January 25, 2018. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. EnvisionAir looks forward to working with you on your next project.

Yours Sincerely,

Stanley A Hunnicutt

Project Manager
EnvisionAir, LLC

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Client Name: ENVIROFORENSICS

Project ID: 6493

Client Project Manager: KYLE HEIMSTEAD

EnvisionAir Project Number: 2018-52

Sample Summary

Canister Pressure / Vacuum

Laboratory Sample Number:	Sample Description:	Matrix:	START Date Collected:	START Time Collected:	End Date Collected:	End Time Collected:	Date Received:	Time Received	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)
18-196	6493-109-SSV-1	A	1/23/18	12:25	1/23/18	12:30	1/25/18	16:50	-29	-2	-2
18-197	6493-109-SSV-2	A	1/23/18	12:15	1/23/18	12:20	1/25/18	16:50	-27	-2	-2
18-198	6493-109-SSV-3	A	1/23/18	12:01	1/23/18	12:06	1/25/18	16:50	-27	-4	-4

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Client Name: ENVIROFORENSICS

Project ID: 6493

Client Project Manager: KYLE HEIMSTEAD

EnvisionAir Project Number: 2018-52

Analytical Method: TO-15
Analytical Batch: 020118AIR

Client Sample ID: 6493-109-SSV-1
Envision Sample Number: 18-196
Sample Matrix: AIR

Sample Collection START Date/Time: 1/23/18 12:25
Sample Collection END Date/Time: 1/23/18 12:30
Sample Received Date/Time: 1/25/18 16:50

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	< 198	198	
Tetrachloroethene	**12,100**	6380	1
trans-1,2-Dichloroethene	< 396	396	
Trichloroethene	< 10.7	10.7	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surrogate)	86%		
Analysis Date/Time:	2-2-18/10:58		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6493

Client Project Manager: KYLE HEIMSTEAD

EnvisionAir Project Number: 2018-52

Analytical Method: TO-15
Analytical Batch: 020118AIR

Client Sample ID: 6493-109-SSV-2
Envision Sample Number: 18-197
Sample Matrix: AIR

Sample Collection START Date/Time: 1/23/18 12:15
Sample Collection END Date/Time: 1/23/18 12:20
Sample Received Date/Time: 1/25/18 16:50

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	< 198	198	
Tetrachloroethene	**18,700**	1280	2
trans-1,2-Dichloroethene	< 396	396	
Trichloroethene	< 10.7	10.7	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surrogate)	94%		
Analysis Date/Time:	2-2-18/11:33		
Analyst Initials	tjg		

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Client Name: ENVIROFORENSICS

Project ID: 6493

Client Project Manager: KYLE HEIMSTEAD

EnvisionAir Project Number: 2018-52

Analytical Method: TO-15
Analytical Batch: 020118AIR

Client Sample ID: 6493-109-SSV-3
Envision Sample Number: 18-198
Sample Matrix: AIR

Sample Collection START Date/Time: 1/23/18 12:01
Sample Collection END Date/Time: 1/23/18 12:06
Sample Received Date/Time: 1/25/18 16:50

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	< 198	198	
Tetrachloroethene	**2,030**	1280	2
trans-1,2-Dichloroethene	< 396	396	
Trichloroethene	< 10.7	10.7	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surrogate)	94%		
Analysis Date/Time:	2-2-18/12:45		
Analyst Initials	tjg		

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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 020118AIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
cis-1,2-Dichloroethene	< 5	5	
Tetrachloroethene	< 0.47	0.47	
trans-1,2-Dichloroethene	< 10	10	
Trichlorethene	< 0.2	0.2	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	85%		
Analysis Date/Time:	2-1-18/17:55		
Analyst Initials	tjg		

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Vinyl Chloride	10.7	11	10	107%	110%	2.8%	
trans-1,2-Dichloroethene	9.19	9.56	10	92%	96%	3.9%	
cis-1,2-Dichloroethene	9.55	10	10	96%	100%	4.6%	
Trichloroethene	9.53	9.61	10	95%	96%	0.8%	
Tetrachloroethene	10.7	11.1	10	107%	111%	3.7%	
4-bromofluorobenzene (surrogate)	105%	105%					
Analysis Date/Time:	2-1-18/16:06	2-1-18/16:47					
Analyst Initials	tjg	tjg					

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Flag Number	Comments
1	Reported value is from a 200x dilution. TJG 2/5/18
2	Reported value is from a 400x dilution. TJG 2/5/18

CHAIN OF CUSTODY RECORD

EnvisionAir | 1441 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-0885 | Fax: (317) 351-0882

Client: Enviroforensics	P.O. Number: 2018-0093
Report / Address: N16W23390 Stoneridge Dr. Waukesha, WI 53186	Project Name or Number: 6493
Report To: K. Heinstead	Sampled by: Nathan Duda
Phone: 209-390-9814	QA/QC Required: (circle if applicable) Level III / Level IV
Invoice Address: Same	Reporting Units needed: (circle) ug/m³ / mg/m³ / PPBV / PPMV
Desired TAT: (Please Circle One) 1 day 2 days 3 days Std (5 bus. days)	Media type: 1LC = 1 Liter Canister; 6LC = 6 Liter Canister; TB = Tedlar Bag; TD = Thermal Desorption Tube

REQUESTED PARAMETERS

TO-15 Full List / TO-15 Short List

ENVISIONAIR

Sampling Type:
Soil-Gas: ☐
Sub-Slab: ☒
Indoor-Air: ☐

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Canister Pressure / Vacuum

Air Sample ID	Media Type (see code above)	Coll. Date (Grab/Comp Start)	Coll. Time (Grab/Comp Start)	Coll. Date (Comp. End)	Coll. Time (Comp. End)					Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
6493-109-SSV-1	1LC	1/23/18	1225	1/23/18	1230		x			2100	0079	-29	-2	-2	18-196
6493-109-SSV-2	1LC	1/23/18	1215	1/23/18	1220		x			2217	0092	-27	-2	-2	18-197
6493-109-SSV-3	1LC	1/23/18	1201	1/23/18	1206		x			2212	0104	-27	-4	-4	18-198

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Nathan Duda	1/23/18		FedEx		
			Stan Hummel	1/25/18	1650

APPENDIX H

Limitations

LIMITATIONS

The purpose of a Site Investigation is to reasonably characterize the extents and magnitude of contaminants of concern for a given geological/hydrogeological setting. In performing such a study, a balance must be struck between a reasonable investigation into the Site conditions and an exhaustive analysis of each conceivable condition. The following paragraphs discuss the assumptions and parameters under which such a study is conducted.

No investigation is thorough enough to detect every geologic/hydrogeologic condition of interest at a given Site. If conditions have not been identified during the study, such a finding should not therefore be construed as a guarantee of the absence of such conditions at the Site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

We are unable to report on or accurately predict events that may change the Site conditions after the described services are performed, whether occurring naturally or caused by external forces. We cannot assume responsibility for conditions we were not authorized to evaluate, or conditions not generally recognized as predictable when services were performed.

Geologic/hydrogeologic conditions may exist at the Site that cannot be identified solely by visual observation. Where subsurface exploratory work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at unsampled locations.