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Ms. Nancy Ryan
Wisconsin Department of Natural Resources
2300 N. Martin Luther King Jr, Drive
Milwaukee, WI 23212

ANNUAL GROUNDWATER MONITORING REPORT
FORMER EXPRESS CLEANERS SITE
3921-3941 N. MAIN STREET, RACINE, WISCONSIN
BRRTS #02-52-547631

October 18, 2018

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Ref. 1690004905

Dear Ms. Ryan:

On behalf of the Ehrlich Family Limited Partnership, Ramboll US Corporation (Ramboll) submits the attached Annual Groundwater Monitoring Report for the Former Express Cleaners Site in Racine, Wisconsin (the Site) in accordance with the requirements of Wisconsin Administrative Code (WAC) Chapter NR 724. The enclosed Annual Groundwater Monitoring Report presents details on the semi-annual groundwater monitoring activities conducted at the Site in October 2017 and April 2018.

If you have any questions or comments regarding this Annual Groundwater Monitoring Report, please do not hesitate to contact us.

Yours sincerely,

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Prepared for:
Ehrlich Family Limited Partnership
c/o James Small
P.O. Box 081007
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Date:
October 2018

Project Number:
1690004905

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BRRTS #02-52-547631
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EXECUTIVE SUMMARY

Remedial treatment of soil occurred at the Former Express Cleaners Site in Racine, Wisconsin, in November 2016, and groundwater has been monitored periodically since that time. This Annual Groundwater Monitoring Report (Report) has been prepared to compare three post-treatment rounds of groundwater sampling data to the groundwater analytical results collected in September 2016, prior to treatment. The assessment of this pre- and post-treatment groundwater data concludes that (i) the contaminant plume is stable or decreasing in size and concentration; (ii) the remedial treatment was effective in eliminating the original contamination from the treatment area; and (iii) the remedial treatment was effective in establishing conditions that are conducive to continued dechlorination of tetrachloroethene (PCE) and its breakdown products.

The primary contaminant of concern at the Former Express Cleaners Site is PCE. Prior to remedial treatment, the concentration of PCE was 437 micrograms per liter (ug/L) at monitoring well MW-3/3R, which is located within the treatment area. After remedial treatment the concentration of PCE has decreased to below the detection limit at this monitoring well. Concentrations of trichloroethene (TCE) have also decreased within the treatment area, as TCE has not been detected at monitoring well MW-3/3R during the last two groundwater sampling events. The concentration of breakdown products of PCE and TCE – cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), and vinyl chloride – have also increased as expected as a result of treatment, proving the desired dechlorination process has occurred and is still ongoing, as shown in Figure 5 of this Report. Additionally, sampling results for indicator parameters show that environmental conditions in the treatment area are strongly reducing, which is very favorable for continued dechlorination of chlorinated volatile organic compounds (CVOCs), including the continued dechlorination of cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride. Finally, the non-toxic product of the final decomposition of the last successor CVOC is increasing, indicating that PCE and all of its breakdown products are being dechlorinated as desired.

Given the observed decreases in contaminant mass, stable or decreasing contaminant plume, favorable conditions for continued dechlorination, and the anticipated creation and destruction of breakdown CVOCs, the periodic groundwater monitoring will continue for another year and will be documented in a future letter report or request for regulatory case closure.

1. INTRODUCTION

Ramboll US Corporation (Ramboll) has prepared this Annual Groundwater Monitoring Report ("Report") for the Former Express Cleaners Site in Racine, Wisconsin (the "Site"). This Report has been prepared in accordance with Wisconsin Administrative Code (WAC) Chapter NR 724. Parties currently involved with this project include the following:

Responsible Party/Site Owner:	Ehrlich Family Limited Partnership c/o James Small P.O. Box 081007 Racine, Wisconsin 53408-1007
Owner's Representative:	Mr. William P. Scott Mallery & Zimmerman, S.C. 731 North Jackson Street, Suite 900 Milwaukee, Wisconsin 53202-4697
Regulatory Agency/Project Manager:	Ms. Nancy Ryan Wisconsin Department of Natural Resources 2300 North Dr. Martin Luther King, Jr. Drive Milwaukee, Wisconsin 53212-3128
Environmental Consultant:	Ms. Jeanne Tarvin and Mr. Scott Tarmann Ramboll US Corporation 175 N. Corporate Drive, Suite 160 Brookfield, Wisconsin 53045

1.1 Site Location and Description

The Site is located at 3921-3941 N. Main Street in the northeast 1/4 of the northeast 1/4 of Section 33, Township 4 North, Range 23 East, City of Racine, Racine County, Wisconsin (Figure 1). The geographic position of the Site in Wisconsin Transverse Mercator (WTM) 91 (x, y) coordinates obtained from the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment (RR) interactive Site Map (http://dnrmaps.wi.gov) is 701507, 257580.

The Site is currently vacant and formerly contained a concrete slab-on-grade, one-story, 6,804-square foot strip mall. The northern unit of the former strip mall (3941 N. Main Street) was formerly the location of a dry-cleaning operation from 1971 until approximately 2006.The Site is located on Lot 1, Lot 2, and the north 25 feet of Lot 3 of Block 3, Plat of the Greater North Bay Addition No. 2, and is 0.77 acres in size. An adjacent 0.45-acre vacant lot to the east of the Site, located at 3936 North Bay Drive, Racine, Wisconsin 53402-3611 (Figure 2) is also owned by the Ehrlich Family Limited Partnership. The adjacent property is located on Lot 8 and the north 40 feet of Lot 7 of Block 3, Plat of the Greater North Bay Addition No. 2.

The ground surface at the Site slopes gently toward the east and west from the former strip mall building. Surface water runoff on the Site was observed to flow to the east on the eastern half of the Site and to the west on the western half. The properties in the area are served by the Racine municipal water supply that obtains potable water from Lake Michigan. The nearest surface water body is Lake Michigan, which is located approximately 0.4 mile to the east of the Site.

1.2 Purpose of Monitoring Report

The purpose of this Report is to summarize and document the semi-annual groundwater monitoring methodologies and activities conducted at the Site since completion of soil remediation activities in late 2016, and initial (post soil treatment) groundwater sampling event in April 2017.

2. BACKGROUND

2.1 Previous Site Investigation and Remediation Activities

The Site and adjacent property to the east (3936 North Bay Drive) have been the subject of several subsurface investigations since 2006. The WDNR has assigned Bureau for Remediation and Redevelopment Tracking System (BRRTS) No. 02-52-547631 to the case file. Following extensive source area soil investigation activities and remedial action evaluation, a Remedial Action Plan (RAP) (Ramboll Environ US Corporation[1] [Ramboll Environ], 2016) was prepared to document the technical basis, design, and implementation approach for the selected remedial option (*in-situ* enhanced reductive de-chlorination). The RAP was approved by the WDNR in a letter dated September 22, 2016.

Soil remediation and post-remediation activities including offsite indoor air sampling within the former Pugh Oil building were conducted in Fall 2016 and Spring 2017 as documented in Ramboll Environ's October 2017 Soil Remediation Action (RA) Completion Report (Ramboll Environ, 2017). In October and November of 2016 approximately 2,200 cubic yards of soil at the Site underwent active remediation by soil blending of zero valent iron (ZVI) and a carbon source of Anaerobic Biochem (ABC®) to enhance reductive de-chlorination and long-term biodegradation of tetrachloroethene (PCE) and its breakdown products. The remediated portion of the Site was restored by capping with geotextile overlain by 12-inch thick layer of crushed stone, which was graded to blend into the surrounding uncontaminated portions of the Site.

Initial post-treatment soil sampling data were used to estimate the soil contaminant mass reductions, resulting in dechlorination of an estimated 981 pounds of PCE – which represents an 89% reduction in PCE mass within the treatment area. An additional 74 pounds of PCE were removed via soil excavation and properly disposed off site as part of the soil blending/active remediation process. Initial post-treatment groundwater sampling confirmed dechlorination of PCE based on data from replacement monitoring well MW-3R located within the treatment area.

2.2 Site Geology and Hydrogeology

The Site geologic setting was characterized based on previous subsurface investigations conducted at the Site and in the vicinity of the Site. Generally, the Site geology consists of up to 4 feet of gravelly sand to sand fill materials that underlie the former Site building and other portions of the Site. Native sediments consisting of silty sand underlie the fill or are present at the surface in areas where no fill is present and extend to depths of approximately 6 to 8 feet below ground surface (bgs). The silty sand is underlain by silty clay that extends to the maximum depth investigated of approximately 16 feet bgs. The silty clay was identified by previous Site investigations as part of the Oak Creek Formation. Reportedly Silurian-age dolomite bedrock is present in the vicinity of the Site at depths ranging from 50 to 150 feet bgs (Trotta and Cotter, 1973).

The results of previous in-situ hydraulic conductivity (slug) testing of site wells by Northern Environmental in 2008 indicates that the silty sand has an estimated hydraulic conductivity of 2.1×10^{-4} centimeters per second (cm/sec). The water table is present at approximately 3 to 8 feet bgs with a shallow groundwater divide present beneath the existing building in which groundwater flows to the east at locations east of the building and to the west/southwest at locations west of the building.

2.3 Pre-Remediation Extent of Contamination

The Site has volatile organic compound (VOC) impacts associated with dry-cleaning operations – mainly PCE. The Site is also impacted with breakdown products of PCE – trichloroethene (TCE), cis-

[1] Effective on December 28, 2017, the legal corporate name of Ramboll Environ US Corporation (formerly ENVIRON International Corporation) was changed to Ramboll US Corporation.

1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), and vinyl chloride. Concentrations of PCE, TCE, cis-1,2 DCE, trans-1,2-DCE, and vinyl chloride in groundwater have all historically exceeded WAC Chapter NR 140 Enforcement Standards (ES). Prior to remedial activities, seven monitoring wells (MW-1, MW-2, MW-3, MW-6, MW-8, MW-12, and PZ-1) exceeded the WAC NR 140 ES of chlorinated volatile organic compounds (CVOCs) in September 2016. Impacted soils were encountered in locations beneath the asphalt paved surfaces and building slab and were also documented to extend to a depth of up to approximately 11 feet. Impacted soils within 4 feet of the ground surface were identified as exceeding the WAC Chapter NR 720 Residual Contaminant Levels (RCL) for the direct contact industrial pathway for some contaminants. Chlorinated VOCs were detected in soil vapor beneath the foundation of the strip mall building during previous investigations conducted by others at the Site. Chlorinated VOCs have not been detected in groundwater samples from the two off-site monitoring wells, MW-15 and MW-16, located west and east of the Site, respectively.

2.4 Performance Monitoring Plan

In accordance with the approved RAP and approved Soil RA Completion Report, groundwater monitoring was completed on a semi-annual basis (in October 2017 and April 2018) to evaluate groundwater quality following the initial post-remediation groundwater sampling that was completed in April 2017. The following sections present the scope of these monitoring activities.

2.4.1 Groundwater Monitoring Plan

Groundwater monitoring resumed in April 2017, following the completion of the source area soil remediation activities. The scope of the groundwater monitoring program is provided in the following subparagraphs.

2.4.1.1 Groundwater Remediation Goals and Objectives

The closure objective for groundwater at the Site is to obtain a “no further action” status under WAC NR 726 following successful documentation that remedial actions conducted at the source results in reduced mass loading of contaminants to groundwater so that the residual groundwater contaminant plume is stabilized and/or has receding chlorinated VOC concentrations. To document attainment of this goal, a groundwater monitoring program was implemented to evaluate plume conditions and document that no adverse impact to human health, safety or welfare, and to the environment exists or develops in the future. This closure approach is anticipated to include listing the Site on the WDNR Continuing Obligations Packet (formerly Geographic Information System [GIS] registry packet) for recording closed sites that have residual contamination that exceeds the ES in groundwater.

2.4.1.2 Monitoring Well Sample Locations and Frequency

In the WDNR’s letter dated October 14, 2016, the following 10 monitoring wells were approved to be sampled by WDNR () on a semi-annual basis: MW-1, MW-3R, MW-6, MW-8, MW-9, MW-12, MW-13, MW-15, MW-16, and PZ-1. These 10 monitoring wells are being sampled as part of eight sampling events over a 4-year timeframe. As part of the final groundwater sampling event, all 16 Site monitoring wells will be sampled prior to anticipated preparation of a WAC Chapter NR 726 Case Closure Request.

The groundwater monitoring program included collection of laboratory trip blanks and duplicate samples for purposes of quality assurance/quality control (QA/QC). As part of each semi-annual groundwater monitoring event, a total of 10 monitoring well groundwater samples, two duplicates and one trip blank are submitted for laboratory analysis as discussed in Section 2.4.1.6. During each sampling event, the integrity of each monitoring well is inspected to verify that they remain viable sampling locations. Repairs to the monitoring wells will be made on an as needed basis. As of April 2018, no damage to the monitoring wells has been identified.

2.4.1.3 Groundwater Elevation Monitoring

Groundwater elevations were measured and documented during the October 2017 and April 2018 groundwater sampling events and used to plot equipotential contours of the shallow groundwater. The resulting equipotential contours were used to evaluate hydraulic gradients across the Site to assist in the evaluation of groundwater flow and contaminant migration, as are discussed in Section 3.1 of this report.

2.4.1.4 Field Parameter Measurements

Field parameter measurements including dissolved oxygen (DO), oxidation-reduction potential (ORP), pH, specific conductivity, and temperature were conducted and documented as part of each groundwater sampling event. These data are used to document that groundwater conditions have stabilized prior to sample collection, and to evaluate aquifer geochemical conditions within and near the treatment zone. The results of the field parameter measurements are discussed in Section 3.2.

2.4.1.5 Field Sampling Methods and Protocol

Prior to each groundwater sampling event, groundwater elevations were measured (by measuring the depth to groundwater from the top of the well casing and calculating the resultant groundwater elevation) to evaluate the groundwater flow direction as indicated above. Wells with expandable caps were opened and allowed to equilibrate prior to taking measurements. Measurements were made using an electronic water level sensor (accuracy 0.01 feet). The water level depth was recorded in a bound field notebook.

The specified monitoring wells were sampled utilizing low-flow groundwater sampling techniques (consistent with previous sampling events) and sampling protocols. Pumping methods varied based on well depths and yield. Field measurements for temperature DO, pH, specific conductance, and ORP were recorded prior to the collection of the groundwater samples. The groundwater samples were collected upon stabilization of the groundwater quality parameters.

2.4.1.6 Sample Collection and Analysis

Following sample collection, each groundwater sample container was labeled with the sample location identification, date of sample collection, and intended analysis. The sample vials were then placed in re-sealable plastic bags and packed in an iced, insulated container. A chain-of-custody form was filled out upon completion and accompanied the container of samples to the laboratory. The samples were transported from the Site to Pace Analytical Services, Inc. (Pace) in Green Bay, Wisconsin, via same-day or overnight courier for analysis of VOCs using United States Environmental Protection Agency (USEPA) Method 8260B. Monitoring wells MW-3R and MW-8 (near the treatment area) are also be sampled the following monitored natural attenuation (MNA) parameters: ethene/ethane/methane (Method 8015), dissolved iron (Method 8146), total organic carbon (TOC) (Method 5310), nitrate+nitrite (Method 353.2), and sulfate (Method 300). The groundwater sample results are discussed in Section 3.3.

2.4.1.7 Decontamination Procedures

All equipment was decontaminated prior to each sampling and monitoring event and between measuring and sampling each monitoring well. Decontamination involved washing equipment with a phosphate-free detergent and tap-water rinse in 5-gallon buckets. Decontamination fluids were containerized in 55-gallon drums as discussed in Section 2.4.1.8.

2.4.1.8 Waste Collection and Characterization Analysis

Purge water and decontamination fluids from each monitoring event was containerized in a United States Department of Transportation (DOT) compliant 55-gallon open-top steel drum. A waste characterization sample was collected from the 55-gallon drum for total VOCs (Method 8260) and was submitted to Pace under similar procedures discussed in Section 2.4.1.6.

3. GROUNDWATER SAMPLING RESULTS

As part of the overall Site RAP, impacted groundwater downgradient of the source treatment area was monitored for natural attenuation. Natural attenuation is defined by the USEPA as "the biodegradation, dispersion, dilution, sorption, volatilization, and/or chemical and biochemical stabilization of contaminants to effectively reduce contaminant toxicity, mobility, or volumes to levels that are protective of human health and the ecosystem" (Brady, et al., 1997). Contaminants present in soil and groundwater are allowed to attenuate via naturally occurring aerobic and anaerobic processes. Natural attenuation processes and rates of contaminant degradation are monitored by changes in contaminant concentration versus time and hydrogeochemical parameters of the affected aquifer.

The sampling was conducted utilizing the procedures and methodology specified in Section 2.4 of this report. A summary of the groundwater monitoring well sampling program, parameters, and frequency is provided on Table 1. The groundwater monitoring well locations for the sampling program at the Site are shown on Figure 2. The semi-annual groundwater monitoring events were conducted on October 17 and 18, 2017, and April 24 and 25, 2018.

3.1 Groundwater Flow and Hydraulic Gradients

To evaluate groundwater flow and hydraulic gradients, groundwater elevations were measured in the wells during each semi-annual groundwater sampling event. A summary of historical groundwater elevations is presented in Table 2.

Groundwater elevations increased an average of approximately 3 feet during the period from October 2017 to April 2018. Seasonal groundwater variations are observed between October 2017 and April 2018, with lower groundwater elevations observed in October and higher elevations observed in April. Similar variations were also observed based on previous data from September 2016 to April 2017.

The October 2017 and the April 2018 elevation data were used to evaluate groundwater flow directions within the shallow groundwater aquifer. Groundwater potentiometric surface maps are provided as Figure 3 (October 2017) and Figure 4 (April 2018). The direction of groundwater movement across the Site is toward the east and west, with an apparent groundwater divide situated below the Site. This interpretation is consistent with previous observations of groundwater elevations dating back to 2008. In October 2017 and April 2018, the horizontal hydraulic gradient between monitoring wells MW-1 and MW-16 was 0.019 foot per foot (ft/ft). Vertical hydraulic gradients between monitoring well MW-1 and piezometer PZ-1 were downward at 0.158 ft/ft in October 2017 and 0.261 ft/ft in April 2018. Table 3 presents a summary of horizontal and vertical gradient calculations based on October 2017 and April 2018 groundwater data from MW-1, MW-16, and PZ-1.

3.2 Field Parameter Results

Field parameters consisting of DO, ORP, pH, specific conductance, and temperature were collected from designated monitoring wells that were sampled during the reporting period. Specific conductivity increased in MW-3/3R from 993 microsiemens per centimeter (µS/cm) prior to the remedial activity in September 2016 to 1,635 µS/cm observed in April 2018. This increase may be attributable to corrosion of ZVI to ferrous iron and/or the phosphate buffer contained in the carbon substrate (ABC®).

DO levels ranged from 0.2 milligrams per liter (mg/L) to 6.84 mg/L during the reporting period, which indicates anaerobic to aerobic conditions across the site. The relatively low DO concentrations at monitoring well MW-3R in October 2017 (0.2 mg/L) and April 2018 (0.84 mg/L) relative to

previous measurements (1.25 to 1.98 mg/L) may be attributable to the ZVI and carbon amendment that was applied in October and November 2016. Measured ORP values have substantially decreased at monitoring wells located within or near the treatment zone. Specifically, ORP decreased from +90 millivolts (mV) to -114 to -234 mV at MW-3R, from +103 mV to -133 to -246 mV at MW-8, and from +116 mV to -84 to -230 mV at MW-1. ORP measurements generally remain negative near the remedial action area and positive outside of the remedial action area. The one exception is MW-16 with ORP readings of -189 mV and -74 mV during the October 2017 and April 2018 sampling events. The field parameter measurement results are presented on Table 4.

3.3 Groundwater Laboratory Analytical Results

Groundwater samples were collected from 10 monitoring wells and submitted for laboratory analysis in accordance with the approved sampling plan. The primary VOCs of interest at the Site are PCE, and breakdown products (TCE, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride).

3.3.1 Geochemical Analytical Results

As part of each semi-annual monitoring event, monitoring wells MW-3R and MW-8 were sampled for the remediation indicator parameters as described in Section 2.4.1.6. Table 5 provides a summary of the geochemical analytical results. Copies of the laboratory analytical reports associated with the October 2017 and April 2018 groundwater monitoring events are included on a CD provided in Appendix A. As further discussed below, the geochemical analytical results demonstrate complete dechlorination of chlorinated ethenes to non-toxic ethene and are consistent with anaerobic conditions needed for continued reductive dechlorination to occur in groundwater at the Site.

TOC concentrations are an indicator of the carbon source introduced to the subsurface via the late 2016 remedial action. Concentrations of TOC in MW-8 have increased since September 2016 (pre-remedial action) from 2.1 mg/L to 678 mg/L in October 2017 and 361 mg/L in April 2018. In MW-3/3R TOC has increased since September 2016 (pre-remedial action) from 1.3 mg/L to 517 mg/L in October 2017 and 910 mg/L in April 2018. TOC concentrations greater than the 20 mg/L to 50 mg/L range are desired within an anaerobic treatment zone (AFCEE, 2004).

Ferric iron is an alternate electron acceptor for microbial respiration in the absence of oxygen and nitrate; reduction of ferric iron produces ferrous iron. Ferrous iron is also produced via corrosion of ZVI. Dissolved (ferrous) iron in MW-3R and MW-8 has increased from the initial sampling event in September 2016 (115 µg/L and 80 µg/L) to 1,790 µg/L (MW-3R, April 2017) and 3,680 µg/L (MW-8, April 2017) to 760 µg/L (MW-3R, April 2018) and 600 µg/L (MW-8, April 2018). Elevated concentrations of ferrous iron indicate that the groundwater environment is sufficiently reducing to sustain iron reduction and for anaerobic dechlorination to occur.

Sulfate and nitrate are alternate electron acceptors for microbial respiration in the absence of oxygen. Sulfate concentrations in MW-3R and MW-8 have been reduced from 144 mg/L (MW-3R, September 2016) and 169 mg/L (MW-8, September 2016) to non-detect in both MW-3R and MW-8 in October 2017 and April 2018. Nitrate/nitrite concentrations in MW-3R and MW-8 have been reduced from an estimated 0.2 mg/L (MW-3R, September 2016) and 7.6 mg/L (MW-8, September 2016) to non-detect in both MW-3R and MW-8 in October 2017 and April 2018. Nitrate levels less than 1.0 mg/L and sulfate levels less than 20 mg/L are desirable, but not required, for anaerobic bioremediation to occur.

Elevated levels of methane indicate that fermentation is occurring in a highly anaerobic environment and that reducing conditions are appropriate for anaerobic dechlorination of CVOCs to occur. Methane levels greater than 1,000 µg/L are desirable, but not required, for dechlorination to occur. Concentrations of methane have increased in MW-3/3R from non-detect in September 2016 to 172 µg/L in April 2017, 5,810 µg/L in October 2017, and 5,660 µg/L in April 2018. Concentrations of

methane have increased in MW-8 from non-detect in September 2016 to 23.2 µg/L in April 2017, 8,700 µg/L in October 2017, and 3,160 µg/L in April 2018.

Elevated levels of ethene and ethane above background levels can be used to infer that anaerobic dechlorination of CVOCs is already occurring. The detected presence of ethene is also consistent with the presence of sufficient population density of *Dehalococcoides* bacteria needed for complete reductive dechlorination of PCE (to non-toxic ethene). Concentrations of ethene in MW-3/3R have increased from non-detect in September 2016 to 242 µg/L in April 2017, 196 µg/L in October, and 158 µg/L in April 2018. Ethene concentrations in MW-8 have increased from non-detect in September 2016 to 11.2 µg/L in April 2017, 12.7 µg/L in October 2017, and an estimated 3.1 µg/L in April 2018. Ethane concentrations in MW-3/3R have increased from non-detect in September 2016 to 160 µg/L in April 2017, 89.0 µg/L in October 2017, and 81.5 µg/L in April 2018. Concentrations of ethane in MW-8 have varied from non-detect in September 2016 to an estimated 2.7 µg/L in April 2017, an estimated 5.2 µg/L in October 2017, and non-detect in April 2018.

3.3.2 VOC Analytical Results

Concentrations of parent compounds PCE and TCE have substantially declined in groundwater samples from the most heavily impacted monitoring wells (MW-3/3R and MW-8, located within and adjacent to the treatment area) in response to the late 2016 remedial action. At MW-3/3R, PCE concentrations decreased from 437 µg/L in September 2016 to non-detect since that date. TCE concentrations at MW-3/3R decreased from 34.5 µg/L in September 2016 to 23.2 µg/L in April 2017, and non-detect since April 2017. At MW-8, PCE concentrations decreased from 920 µg/L in September 2016 to 49 µg/L in April 2017, and non-detect since April 2017. TCE concentrations at MW-8 increased from 39.9 µg/L in September 2016 to 371 µg/L in April 2017 in response to reductive dechlorination, followed by non-detect since that date. Concentrations of cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride have increased at MW-3/3R and MW-8 in response to reductive dechlorination and are anticipated to decline with time under continued enhanced anaerobic dechlorination. Table 6 provides a summary of the VOC analytical results. Molar fraction charts for monitoring wells MW-1, MW-3/3R, and MW-8 are shown on Figure 5. The molar fraction charts illustrate rapid dechlorination of PCE after the late 2016 remedial action, followed by temporary accumulation of TCE and subsequent generation of cis-1,2-DCE and lesser amounts of vinyl chloride and ethene. The analytical data from the previous four groundwater sampling events including the sample event prior to the remedial action (September 2016) is shown on Figure 6. Copies of the laboratory analytical reports associated with October 2017 and April 2018 are included on a CD provided in Appendix A.

3.3.2.1 October 2017

Concentrations of VOCs were detected in eight of the 10 monitoring wells (all except MW-15 and MW-16). Four monitoring wells (MW-1, MW-6, MW-9 Duplicate, and MW-12) had detections of PCE above the WAC NR 140 ES of 5 µg/L, compared to seven monitoring wells (MW-1, MW-2, MW-3, MW-6, MW-8, MW-12, and PZ-1) in September 2016, at concentrations ranging from 5.2 µg/L (MW-9 Duplicate) to 96.7 µg/L (MW-1 Duplicate). Four monitoring wells (MW-1, MW-3R, MW-8, and MW-12) had detections of cis-1,2-DCE above the WAC NR 140 ES of 70 µg/L, at concentrations ranging from 76.2 µg/L (MW-12) to 6,060 µg/L (MW-3R). Vinyl chloride was detected at an estimated concentration of 49.9 µg/L in MW-3R. Estimated concentrations above the detection limit but below the quantification limit are qualified with a “J” in the laboratory analytical report. Two monitoring wells (MW-1, MW-1 Duplicate, and MW-12) had TCE concentrations above the WAC NR 140 ES of 5 µg/L, at a concentration ranging from 7.6 µg/L (MW-12) to 166 µg/L (MW-1 Duplicate). The remaining VOC detections in the eight monitoring wells did not exceed WAC NR 140 ES criteria.

3.3.2.2 April 2018

Concentrations of VOCs were detected in nine of the 10 monitoring wells (all except MW-15). Three monitoring wells (MW-1, MW-6, and MW-12) had detections of PCE above the WAC NR 140 ES of 5 µg/L, compared to seven monitoring wells (MW-1, MW-2, MW-3, MW-6, MW-8, MW-12, and PZ-1) in September 2016, at concentrations ranging from 8.1 µg/L (MW-6) to 283 µg/L (MW-1 Duplicate). Three monitoring wells (MW-1, MW-3R, and MW-8) had detections of cis-1,2-DCE above the WAC NR 140 ES of 70 µg/L, at concentrations ranging from 761 µg/L (MW-8) to 9,730 µg/L (MW-1). Vinyl chloride was detected above the WAC NR 140 ES of 0.2 µg/L in MW-1 (127 µg/L). Vinyl chloride was detected at estimated ("J" qualified as discussed in Section 3.3.2.1) concentrations of 48.5 µg/L in MW-3R and 2.3 µg/L in MW-8. The groundwater samples from monitoring well MW-1 and MW-1 Duplicate contained TCE above the WAC NR 140 ES of 5 µg/L, at concentrations of 42.2 µg/L and 55.9 µg/L, respectively. Trans-1,2-DCE was detected in MW-1 and MW-1 Duplicate above the WAC NR 140 ES of 100 µg/L, at a concentration of 147 µg/L in each sample. Monitoring well MW-1 also had a detection of 1,1-DCE slightly above the WAC NR 140 ES of 7 µg/L at a concentration of 8.2 µg/L. The remaining VOC detections in the nine monitoring wells did not exceed WAC NR 140 ES criteria.

3.4 Waste Characterization

Purge water from groundwater sampling activities and decontamination fluids were containerized in a 55-gallon drum. An aqueous waste characterization sample was collected on April 25, 2018, and submitted to Pace Analytical for analysis of total VOCs.

Soil cuttings from installation of MW-3R and MW-16 were containerized in two 55-gallon DOT-compliant drums. A soil waste characterization sample was collected and submitted to Pace Analytical for analysis of total VOCs, toxicity characteristic leaching procedure (TCLP) VOCs, and total chlorine. The waste characterization analytical report is included in Appendix B.

A waste disposal pick-up will be scheduled during the October 2018 groundwater sampling event. The pick-up will include the two soil drums and one water drum. Manifests will be included in the 2019 Annual Groundwater Monitoring Report.

4. CONCLUSIONS

Based on groundwater field parameter and analytical data collected during the reporting period following implementation of the soil remediation activities, along with historical monitoring, the following conclusions are presented:

- Groundwater elevations varied by an average of approximately 3 feet during the reporting period. These variations in groundwater elevations are likely attributable to seasonal variations in groundwater recharge rates.
- Interpreted groundwater flow directions during the reporting period remained consistent with historical data. Groundwater generally flows to the east and west with a shallow groundwater divide present beneath the former building.
- Field indicator parameters in general show favorable conditions for continued dechlorination.
- Measured ORP values have substantially decreased since September 2016 at monitoring wells located within or near the treatment zone, which is indicative of enhanced reducing conditions associated with the late 2016 application of ZVI and carbon substrate via soil blending.
- The observed increases in TOC, dissolved iron, and ethene/ethane/methane concentrations and decreases in sulfate and nitrate/nitrite concentrations are associated with the remedial action

completed in late 2016 and indicate the presence of an enhanced anaerobic groundwater environment to support continued reductive dechlorination.

- The results of the two semi-annual groundwater sampling events conducted during the reporting period indicate complete dechlorination (to non-detect) of PCE and TCE at wells MW-3R and MW-8 within and most proximate to the treatment zone, and generation of degradation products cis-1,2-DCE and vinyl chloride.
- The detected presence of vinyl chloride and ethene at MW-3R and MW-8 beginning in April 2017 is consistent with the presence of sufficient population density of *Dehalococcoides* bacteria needed for complete reductive dechlorination beyond cis-1,2-dichlorethene, to non-toxic ethene.
- The remedial treatment is performing as expected, the groundwater plume is stable or receding, and case closure should be possible, provided any ES exceedances are addressed by listing the site on the WDNR Continuing Obligation Packet.

5. REFERENCES

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TABLES

Table 1
Groundwater Sampling Schedule
Former Express Cleaners
3941 N Main Street, Racine, Wisconsin

Well	Parameters	Frequency
MW-1	WL, WQ, and VOCs	Semi-Annual
MW-3R	WL, WQ, VOCs, and MNA	Semi-Annual
MW-4	WL	Semi-Annual
MW-5	WL	Semi-Annual
MW-6	WL, WQ, and VOCs	Semi-Annual
MW-7	WL	Semi-Annual
MW-8	WL, WQ, VOCs, and MNA	Semi-Annual
MW-9	WL, WQ, and VOCs	Semi-Annual
MW-10	WL	Semi-Annual
MW-11	WL	Semi-Annual
MW-12	WL, WQ, and VOCs	Semi-Annual
MW-13	WL, WQ, and VOCs	Semi-Annual
MW-14	WL	Semi-Annual
MW-15	WL, WQ, and VOCs	Semi-Annual
MW-16	WL, WQ, and VOCs	Semi-Annual
PZ-1	WL, WQ, and VOCs	Semi-Annual

Notes:
All wells are scheduled to be sampled for VOCs during the eighth monitoring event
WL = water level
WQ = water quality
VOCs = volatile organic compounds
MNA = monitored natural attenuation

Table 2
Monitoring Well Groundwater Elevations
Former Express Cleaners
3941 N Main Street, Racine, Wisconsin

Well	Measurement Date	Top of Casing Elevation (feet-amsl)	Ground Surface Elevation (feet-amsl)	Well Screen Depths (feet-bgs)	Depth to Groundwater (feet-bTOC)	Groundwater Elevation (feet-amsl)
MW-1	4/5/2007	614.51	615.00	3 - 13	3.02	611.49
	4/27/2007	614.51	615.00	3 - 13	2.72	611.79
	1/15/2008	614.51	615.00	3 - 13	3.69	610.82
	5/19/2009	614.51	615.00	3 - 13	3.92	610.59
	4/7/2011	614.51	615.00	3 - 13	3.69	610.82
	9/14/2016	617.30	617.69	3 - 13	6.01	611.29
	4/19/2017	616.97	617.44	3 - 13	2.62	614.35
	10/17/2017	616.97	617.44	3 - 13	5.12	611.85
	4/24/2018	616.97	617.44	3 - 13	3.03	613.94
MW-2	4/5/2007	613.79	614.44	3 - 13	1.90	611.89
	4/27/2007	613.79	614.44	3 - 13	1.88	611.91
	1/15/2008	613.79	614.44	3 - 13	2.49	611.30
	5/19/2009	613.79	614.44	3 - 13	3.14	610.65
	4/7/2011	613.79	614.44	3 - 13	3.75	610.04
	9/14/2016	616.61	617.09	3 - 13	5.50	611.11
MW-3	4/5/2007	614.33	614.90	3 - 13	2.49	611.84
	4/27/2007	614.33	614.90	3 - 13	2.07	612.26
	1/15/2008	614.33	614.90	3 - 13	3.15	611.18
	5/19/2009	614.33	614.90	3 - 13	3.70	610.63
	4/7/2011	614.33	614.90	3 - 13	3.36	610.97
	9/14/2016	617.10	617.53	3 - 13	5.90	611.20
MW-3R	4/19/2017	616.25	616.71	1.5 - 11.5	0.75	615.50
	10/17/2017	616.25	616.71	1.5 - 11.5	5.07	611.18
	4/24/2018	616.25	616.71	1.5 - 11.5	2.88	613.37
MW-4	4/5/2007	614.28	614.69	3 - 13	2.31	611.97
	4/27/2007	614.28	614.69	3 - 13	1.90	612.38
	1/15/2008	614.28	614.69	3 - 13	2.97	611.31
	5/19/2009	614.28	614.69	3 - 13	3.84	610.44
	4/7/2011	614.28	614.69	3 - 13	3.45	610.83
	9/14/2016	617.18	617.34	3 - 13	6.03	611.15
	4/19/2017	616.60	616.92	3 - 13	1.55	615.05
	10/17/2017	616.60	616.92	3 - 13	4.95	611.65
	4/24/2018	616.60	616.92	3 - 13	1.98	614.62
MW-5	1/4/2008	615.62	612.35	3 - 13	12.01	603.61
	1/15/2008	615.62	612.35	3 - 13	5.13	610.49
	5/19/2009	615.62	612.35	3 - 13	6.47	609.15
	4/7/2011	615.62	612.35	3 - 13	5.60	610.02
	9/14/2016	617.24	615.06	3 - 13	9.73	607.51
	4/19/2017	617.24	615.06	3 - 13	4.53	612.71
	10/17/2017	617.24	615.06	3 - 13	9.42	607.82
	4/24/2018	617.24	615.06	3 - 13	4.92	612.32

Table 2
Monitoring Well Groundwater Elevations
Former Express Cleaners
3941 N Main Street, Racine, Wisconsin

Well	Measurement Date	Top of Casing Elevation (feet-amsl)	Ground Surface Elevation (feet-amsl)	Well Screen Depths (feet-bgs)	Depth to Groundwater (feet-bTOC)	Groundwater Elevation (feet-amsl)
MW-6	1/4/2008	616.14	613.25	3 - 13	7.04	609.10
	1/15/2008	616.14	613.25	3 - 13	5.86	610.28
	5/19/2009	616.14	613.25	3 - 13	6.65	609.49
	4/7/2011	616.14	613.25	3 - 13	6.12	610.02
	9/14/2016	618.87	615.80	3 - 13	9.93	608.94
	4/19/2017	618.87	615.80	3 - 13	5.38	613.49
	10/17/2017	618.87	615.80	3 - 13	9.39	609.48
	4/24/2018	618.87	615.80	3 - 13	5.67	613.20
MW-7	1/4/2008	615.03	612.13	3 - 13	5.27	609.76
	1/15/2008	615.03	612.13	3 - 13	3.76	611.27
	5/19/2009	615.03	612.13	3 - 13	4.92	610.11
	4/7/2011	615.03	612.13	3 - 13	3.99	611.04
	9/14/2016	617.76	614.68	3 - 13	7.33	610.43
	4/19/2017	617.76	614.68	3 - 13	3.38	614.38
	10/17/2017	617.76	614.68	3 - 13	6.72	611.04
	4/24/2018	617.76	614.68	3 - 13	4.11	613.65
MW-8	1/4/2008	614.12	614.51	2.5 - 12.5	5.26	608.86
	1/15/2008	614.12	614.51	2.5 - 12.5	5.46	608.66
	5/19/2009	614.12	614.51	2.5 - 12.5	5.65	608.47
	4/7/2011	614.12	614.51	2.5 - 12.5	5.93	608.19
	9/14/2016	617.13	617.17	2.5 - 12.5	7.38	609.75
	4/19/2017	616.80	617.03	2.5 - 12.5	5.89	610.91
	10/17/2017	616.80	617.03	2.5 - 12.5	6.80	610.00
	4/24/2018	616.80	617.03	2.5 - 12.5	6.21	610.59
MW-9	1/4/2008	613.73	614.09	2.5 - 12.5	8.78	604.95
	1/15/2008	613.73	614.09	2.5 - 12.5	4.56	609.17
	5/19/2009	613.73	614.09	2.5 - 12.5	4.71	609.02
	4/7/2011	613.73	614.09	2.5 - 12.5	4.74	608.99
	9/14/2016	616.62	616.79	2.5 - 12.5	6.19	610.43
	4/19/2017	616.23	616.77	2.5 - 12.5	3.53	612.70
	10/17/2017	616.23	616.77	2.5 - 12.5	4.66	611.57
	4/24/2018	616.23	616.77	2.5 - 12.5	4.00	612.23
MW-10	1/4/2008	613.53	614.01	2.5 - 12.5	5.67	607.86
	1/15/2008	613.53	614.01	2.5 - 12.5	2.76	610.77
	5/19/2009	613.53	614.01	2.5 - 12.5	3.04	610.49
	4/7/2011	613.53	614.01	2.5 - 12.5	2.85	610.68
	9/14/2016	616.50	616.66	2.5 - 12.5	5.45	611.05
	4/19/2017	616.50	616.66	2.5 - 12.5	2.45	614.05
	10/17/2017	616.50	616.66	2.5 - 12.5	4.95	611.55
	4/24/2018	616.50	616.66	2.5 - 12.5	2.95	613.55

Table 2
Monitoring Well Groundwater Elevations
Former Express Cleaners
3941 N Main Street, Racine, Wisconsin

Well	Measurement Date	Top of Casing Elevation (feet-amsl)	Ground Surface Elevation (feet-amsl)	Well Screen Depths (feet-bgs)	Depth to Groundwater (feet-bTOC)	Groundwater Elevation (feet-amsl)
MW-11	5/19/2009	615.74	612.88	3 - 13	5.08	610.66
	4/7/2011	615.74	612.88	3 - 13	4.54	611.20
	9/14/2016	618.39	615.66	3 - 13	7.67	610.72
	4/19/2017	618.39	615.66	3 - 13	3.42	614.97
	10/17/2017	618.39	615.66	3 - 13	7.31	611.08
	4/24/2018	618.39	615.66	3 - 13	3.96	614.43
MW-12	5/19/2009	615.81	612.82	3 - 13	5.29	610.52
	4/7/2011	615.81	612.82	3 - 13	4.71	611.10
	9/14/2016	618.49	615.57	3 - 13	7.82	610.67
	4/19/2017	618.49	615.57	3 - 13	3.57	614.92
	10/17/2017	618.49	615.57	3 - 13	6.73	611.76
	4/24/2018	618.49	615.57	3 - 13	3.98	614.51
MW-13	5/19/2009	615.28	612.44	3 - 13	5.06	610.22
	4/7/2011	615.28	612.44	3 - 13	4.45	610.83
	9/14/2016	617.93	615.24	3 - 13	8.22	609.71
	4/19/2017	617.93	615.24	3 - 13	3.32	614.61
	10/17/2017	617.93	615.24	3 - 13	7.83	610.10
	4/24/2018	617.93	615.24	3 - 13	3.81	614.12
MW-14	4/7/2011	614.42	614.67	4 - 14	5.14	609.28
	9/14/2016	617.39	617.52	4 - 14	6.88	610.51
	4/19/2017	616.99	617.33	4 - 14	4.31	612.68
	10/17/2017	616.99	617.33	4 - 14	6.13	610.86
	4/24/2018	616.99	617.33	4 - 14	4.66	612.33
MW-15	4/7/2011	613.65	613.79	4 - 14	4.13	609.52
	9/14/2016	616.61	616.69	4 - 14	5.10	611.51
	4/19/2017	616.61	616.69	4 - 14	3.28	613.33
	10/17/2017	616.61	616.69	4 - 14	5.16	611.45
	4/24/2018	616.61	616.69	4 - 14	3.49	613.12
MW-16	4/19/2017	615.27	615.68	2 - 12	4.27	611.00
	10/17/2017	615.27	615.68	2 - 12	8.94	606.33
	4/24/2018	615.27	615.68	2 - 12	6.73	608.54

Table 2
Monitoring Well Groundwater Elevations
Former Express Cleaners
3941 N Main Street, Racine, Wisconsin

Well	Measurement Date	Top of Casing Elevation (feet-amsl)	Ground Surface Elevation (feet-amsl)	Well Screen Depths (feet-bgs)	Depth to Groundwater (feet-bTOC)	Groundwater Elevation (feet-amsl)
PZ-1	4/5/2007	614.23	615.01	25 - 30	27.66	586.57
	4/27/2007	614.23	615.01	25 - 30	14.7	599.53
	1/15/2008	614.23	615.01	25 - 30	7.58	606.65
	5/19/2009	614.23	615.01	25 - 30	7.60	606.63
	4/7/2011	614.23	615.01	25 - 30	7.56	606.67
	9/14/2016	617.30	NA	25 - 30	8.13	609.17
	4/19/2017	616.98	617.36	25 - 30	4.12	612.86
	10/17/2017	616.98	617.36	25 - 30	8.03	608.95
	4/24/2018	616.98	617.36	25 - 30	8.12	608.86

Notes:

Top of casing and ground surface elevations vary between measuring events due to changing surface materials (e.g. asphalt to gravel) and building demolition. Surveying activities were completed after monitoring well elevations were altered.

System relative to the NGVD 1929 elevations.

amsl = above mean sea level

bgs = below ground surface

bTOC = below top of casing

NA = not available

Table 3
Horizontal and Vertical Groundwater Gradients
Former Express Cleaners
3941 N Main Street, Racine, Wisconsin

Horizontal Groundwater Gradient Calculation

Date	Monitoring Well Groundwater Elevation (ft-amsl)		Distance Between Wells (ft)	Horizontal Gradient (ft/ft)
	MW-1	MW-16		
October-2017	611.85	606.33	281.44	0.0196
April-2018	613.94	608.54	281.44	0.0192

Vertical Groundwater Gradient Calculation

October-2017		TOC Elevation (ft-amsl)	Depth to Water (ft)	Groundwater Elevation (ft-amsl)	Elevation of Top of Well Screen (ft-amsl)	Elevation of Bottom of Well Screen (ft-amsl)	Is Well Screen Submerged?	Mid-Point of GW Level and Bottom of Well Screen (MW-1)	Mid-Point of Submerged Well Screen (PZ-1)	Vertical Gradient Calculation Value (ft-amsl)	Head Difference (ft)	Vertical Gradient (ft/ft)	Downward (ft/ft)	Upward (ft/ft)
MW-1	TOC	616.97	5.12	611.85	613.97	603.97	No	607.91		607.91				
PZ-1	TOC	616.98	8.03	608.95	591.98	586.98	Yes		589.48	589.48	2.91	0.158	0.158	
April-2018														
MW-1	TOC	616.97	3.03	613.94	613.97	603.97	No	608.96		608.96				
PZ-1	TOC	616.98	8.12	608.86	591.98	586.98	Yes		589.48	589.48	5.09	0.261	0.261	

Notes:
ft = feet
amsl = above mean sea level
MW = monitoring well
PZ = piezometer
ft/ft = foot per foot
GW = groundwater
TOC = top of casing

Table 4
Groundwater Field Parameters
Former Express Cleaners
3941 N Main Street, Racine, Wisconsin

Well ID	Sample Date	pH (S.U.)	Conductivity (µS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)
MW-1	9/15/2016	6.92	925	20.01	2.79	116.5
	4/20/2017	7.14	1,081	9.12	1.09	-230.2
	10/18/2017	7.02	1,042	17.51	1.12	-83.7
	4/25/2018	7.19	902	7.70	2.65	-102.1
MW-2	9/14/2016	6.63	768	20.04	0.60	98.3
MW-3	9/15/2016	6.92	993	21.75	1.25	90.3
MW-3R	4/20/2017	7.3	1,526	9.91	1.98	-200.7
	10/18/2017	6.94	1,879	17.5	0.20	-114.5
	4/25/2018	8.87	1,635	7.90	0.84	-233.9
MW-4	9/14/2016	6.63	843	21.12	0.73	96.7
MW-5	9/15/2016	6.91	1,424	17.12	0.35	91.3
MW-6	9/15/2016	6.97	939	18.25	0.40	79.0
	4/19/2017	7.11	702	8.22	2.30	12.8
	10/17/2017	6.74	924	17.35	3.42	29.4
	4/24/2018	7.14	532	8.32	6.66	184.8
MW-7	9/15/2016	7.16	792	19.08	0.26	91.1
MW-8	9/15/2016	6.80	1,276	21.68	0.77	103.4
	4/20/2017	7.05	1,262	8.70	1.47	-246.2
	10/18/2017	6.84	2,300	17.21	0.22	-132.7
	4/25/2018	7.35	1,109	7.07	1.31	-161.1
MW-9	9/14/2016	6.96	1,055	22.22	0.30	76.0
	4/20/2017	7.04	1,016	8.69	5.01	66.3
	10/17/2017	6.90	1,439	18.03	0.61	11.2
	4/24/2018	7.12	865	9.58	6.84	199.8
MW-10	9/15/2016	7.12	763	21.72	1.66	89.6
MW-11	9/15/2016	7.09	838	17.82	0.30	84.5
MW-12	9/15/2016	7.23	869	17.8	0.51	81.9
	4/19/2017	7.52	755	8.55	2.77	92.4
	10/17/2017	6.92	836	17.04	0.79	38.2
	4/24/2018	7.44	549	9.51	3.35	187.1
MW-13	9/15/2016	6.96	876	18.14	0.34	91.3
	4/19/2017	7.23	680	8.26	1.98	21.7
	10/17/2017	6.28	870	16.73	0.52	61.4
	4/24/2018	7.25	547	8.07	4.95	174.4
MW-14	9/14/2016	6.82	1,161	22.06	0.58	88.7
MW-15	9/14/2016	6.87	2,444	20.35	0.30	-27.5
	4/19/2017	7.01	3,921	8.50	1.82	-1.3
	10/17/2017	6.90	4,039	18.92	1.82	98.3
	4/24/2018	7.06	7,089	8.97	3.44	182
MW-16	4/20/2017	6.40	2,215	9.62	4.57	-46.2
	20/18/17	6.51	1,591	15.81	1.22	-189.0
	4/25/2018	6.97	1,060	8.55	1.05	-74.4
PZ-1	9/15/2016	6.75	1,322	15.41	1.68	133.7
	10/18/2017	6.50	1,493	13.83	1.50	86.9
	4/25/2018	7.43	1,073	9.46	3.08	198.9

Notes:
S.U. = standard units
µS/cm = microsiemens per centimeter
NTU = nephelometric tubidity units
°C = degrees Celsius
DO = dissolved oxygen
mg/L = milligrams per liter
ORP = oxidation-reduction potential
mV = millivolt

Table 5
MNA Parameter Groundwater Sampling Results
Former Express Cleaners
3941 N Main Street, Racine, Wisconsin

Parameters[1]	Analytical Method	Units	MW-8 9/15/2016	MW-8 4/20/2017	MW-8 10/18/2017	MW-8 4/25/2018	MW-3[2] 9/15/2016	MW-3R[2] 4/20/2017	MW-3R[2] 10/18/2017	MW-3R[2] 4/25/2018
Sulfate	EPA 300.0	mg/L	169	10.5	<5.0	<5.0	144	36.6	<1.0	<5.0
Nitrogen, NO2 plus NO3	EPA 353.2	mg/L	7.6	<0.095	<0.095	<0.095	0.2 J	<0.095	<0.095	<0.095
Total Organic Carbon	SM 5310C	mg/L	2.1	259	678	361	1.3	495	517	910
Iron, Dissolved	EPA 6010	ug/L	80 J	3,680	2,600	600	115	1,790	2,200	760
Ethene	EPA 8015B Modified	ug/L	<0.52	11.2	12.7	3.1 J	<0.52	242	196	158
Ethane	EPA 8015B Modified	ug/L	<0.58	2.7 J	5.2 J	<11.5	<0.58	160	89	81.5
Methane	EPA 8015B Modified	ug/L	<1.4	23.2	8700	3160	<1.4	172	5810	5660

Notes:
[1] NR 140 Table 2. Public Welfare Standards exist for sulfate (Enforcement Standard = 250 mg/L; Preventative Action Limit = 125 mg/L) and iron (Enforcement Standard = 0.3 mg/L; Preventative Action Limit = 0.15 mg/L).
[2] MW-3 was abandoned prior to treatment, and MW-3R was installed in March 2017.
µg/L = micrograms per liter
mg/L = milligrams per liter
J = Estimated concentration. Laboratory results reported between the method detection limit and limit of quantification.

Table 6
Monitoring Well Groundwater Analytical Results
Former Express Cleaners
3941 N Main Street, Racine, Wisconsin

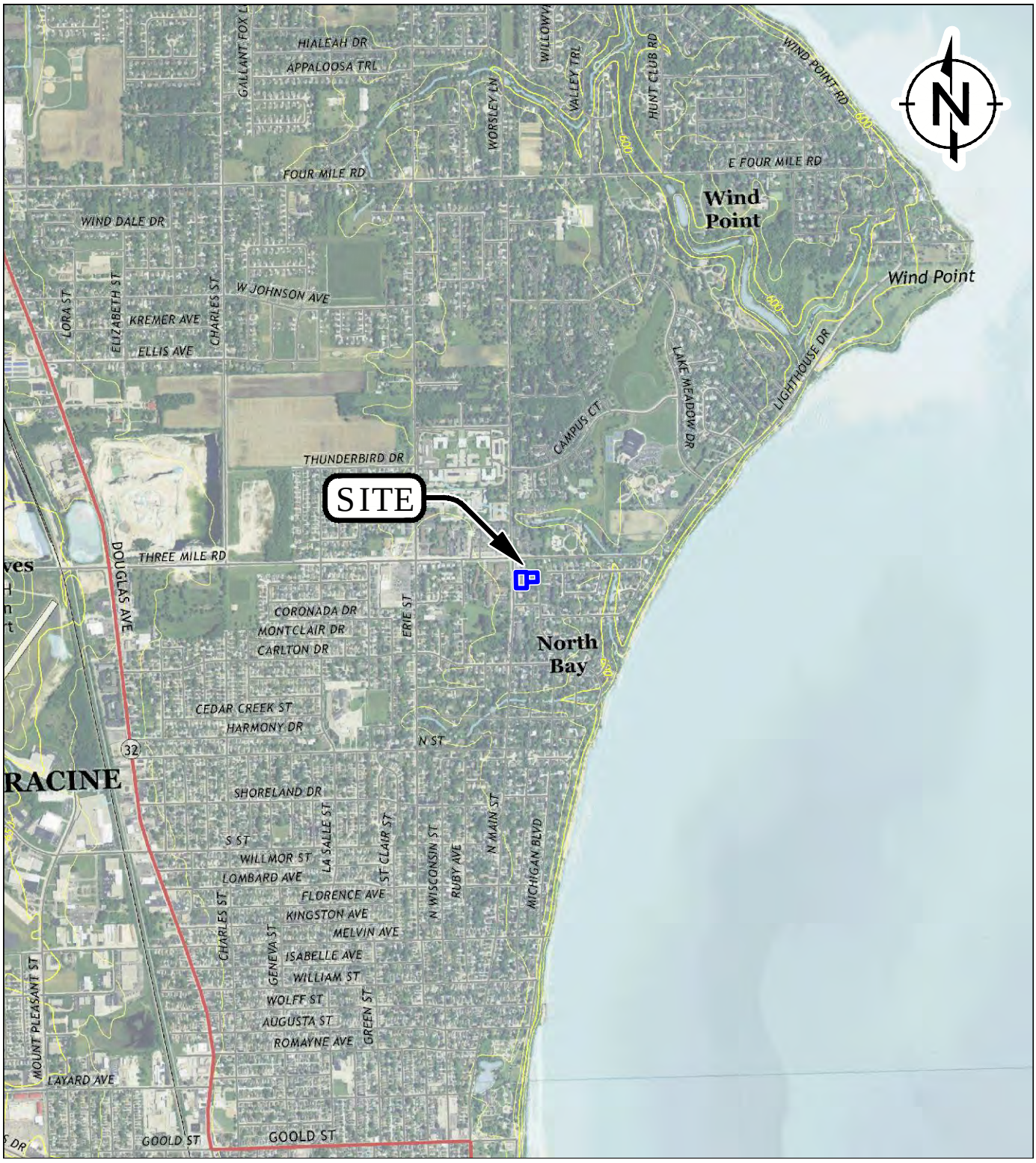
Parameters		Chloroform	Chloromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride
CAS		67-66-3	74-87-3	75-35-4	156-59-2	156-60-5	75-09-2	127-18-4	79-01-6	75-01-4
NR 140 ES Standard		6	30	7	70	100	5	5	5	0.2
NR 140 PAL Standard		0.6	3	0.7	7	20	0.5	0.5	0.5	0.02
MW-1	4/27/2007	<4.8	#N/A	#N/A	*13.6* J	<9.5	#N/A	**330**	<4.4	<2
	1/15/2008	<4.8	#N/A	#N/A	*13.9* J	<9.5	#N/A	**179**	<4.4	<2
	4/7/2011	<0.49	<1.9	<0.6	*15.3*	<0.79	<1.1	**173**	*4.9*	<0.18
	9/15/2016	<5.0	<1.0	<0.82	**96.3**	5.1	<0.47	**193**	**15.5**	<0.35
	4/20/2017	<5.0	<1.0	<0.82	*39.4*	3	<0.47	**98.6**	**384**	<0.35
	10/18/2017	<125	<25.0	<20.5	**5670**	*47.7* J	<11.6	**86.0**	**138**	<8.8
	4/25/2018	<5.0	<1.0	**8.2**	**9730**	**147**	<0.47	**192**	**42.2**	**127**
MW-1 DUP	10/18/2017	<125	<25.0	<20.5	**5550**	*38.1* J	<11.6	**96.7**	**166**	<8.8
	4/25/2018	<5.0	1.9 J	*7.0*	**8990**	**147**	<0.47	**283**	**55.9**	**108**
MW-2[(1)]	4/27/2007	<4.8	#N/A	#N/A	<6.8	<9.5	#N/A	**370**	**16.2**	<2
	1/15/2008	<4.8	#N/A	#N/A	*21.1* J	<9.5	#N/A	**223**	**14.7**	<2
	4/7/2011	<0.49	<1.9	<0.6	*22.7*	0.86 J	<1.1	**94**	**9**	<0.18
	9/14/2016	<2.5	0.52 J	<0.41	*29.7*	1.6	<0.23	**47.1**	**14**	<0.18
MW-3[(1)]	4/27/2007	<24	#N/A	#N/A	**1100**	<47.5	#N/A	**2520**	**279**	<10
	1/15/2008	<24	#N/A	#N/A	**1090**	<47.5	#N/A	**2410**	**284**	<10
	4/7/2011	<24.5	<95	<30	**600**	<39.5	<55	**770**	**82**	<9
	9/15/2016	<25.0	<5.0	<4.1	**175**	9.4 J	<2.3	**437**	**34.5**	<1.8
MW-3R[(1)]	4/20/2017	<50.0	<10.0	<8.2	**1620**	<5.1	*4.9* J	<10.0	**23.3**	**11.1 J**
	10/18/2017	<125	<25.0	<20.5	**6060**	*20.6* J	<11.6	<25.0	<16.5	**49.9 J**
	4/25/2018	<125	<25.0	<20.5	**3850**	<12.8	<11.6	<25.0	<16.5	**48.5 J**
MW-4	4/27/2007	<0.48	#N/A	#N/A	<0.68	<0.95	#N/A	<0.52	<0.44	<0.2
	1/15/2008	<4.8	#N/A	#N/A	<0.68	<0.95	#N/A	<0.52	<0.44	<0.2
	4/7/2011	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/14/2016	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
MW-5	1/15/2008	<0.48	#N/A	#N/A	<0.68	<0.95	#N/A	<0.52	<0.44	<0.2
	4/7/2011	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/15/2016	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
MW-6	1/15/2008	<0.48	#N/A	#N/A	<0.68	<0.95	#N/A	*2.42*	*1.67*	<0.2
	4/7/2011	<0.49	<1.9	<0.6	*19.1*	<0.79	<1.1	**6.5**	*3.03*	<0.18
	9/15/2016	<2.5	<0.50	<0.41	4.5	0.53 J	<0.23	**7.8**	*2.9*	<0.18
	4/19/2017	<2.5	<0.50	<0.41	2.2	<0.26	<0.23	**14.9**	*2.7*	<0.18
	10/17/2017	<2.5	<0.50	<0.41	3.3	0.73 J	<0.23	**9.3**	*2.9*	<0.18
	4/24/2018	<2.5	<0.50	<0.41	1.3	<0.26	<0.23	**8.1**	*2.6*	<0.18
MW-7	1/15/2008	<0.48	#N/A	#N/A	<0.68	<0.95	#N/A	<0.52	<0.44	<0.2
	4/7/2011	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/15/2016	<2.5	1	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
MW-8	1/15/2008	0.55 J	#N/A	#N/A	**220**	8.6	#N/A	**826**	**36**	<0.2
	4/7/2011	<24.5	<95	<30	**99 J**	<39.5	<55	**810**	<23.5	<9
	9/15/2016	<25.0	<5.0	<4.1	**71.4**	4.9 J	<2.3	**920**	**39.9**	<1.8
	4/20/2017	<6.2	<1.2	<1.0	**173**	10	*0.69* J	**49**	**371**	**0.69 J**
	10/18/2017	<25.0	<5.0	<4.1	**866**	16.8	<2.3	<5.0	<3.3	<1.8
	4/25/2018	<25.0	<5.0	<4.1	**761**	15.3	<2.3	<5.0	<3.3	**2.3 J**
MW-9	1/15/2008	<0.48	#N/A	#N/A	<0.68	<0.95	#N/A	<0.52	<0.44	<0.2
	4/7/2011	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	*1.52*	<0.47	<0.18
	9/14/2016	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	*0.88* J	<0.33	<0.18
	4/20/2017	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	*4.9*	<0.33	<0.18
	10/17/2017	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	*4.2*	<0.33	<0.18
	4/24/2018	<2.5	<0.50	<0.41	*32.4*	<0.26	<0.23	*2.6*	<0.33	<0.18
MW-9 DUP	4/20/2017	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	**5.4**	<0.33	<0.18
	10/17/2017	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	**5.2**	<0.33	<0.18
	4/24/2018	<2.5	<0.50	<0.41	*36.0*	<0.26	<0.23	*2.8*	<0.33	<0.18
MW-10	1/15/2008	<0.48	#N/A	#N/A	<0.68	<0.95	#N/A	<0.52	<0.44	<0.2
	4/7/2011	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/15/2016	<2.5	0.79 J	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
MW-11	5/19/2009	<1.48	<0.5	<0.47	<0.68	<0.61	<1.5	<0.42	<0.39	<0.2
	4/7/2011	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/15/2016	<2.5	0.57 J	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18

Table 6
Monitoring Well Groundwater Analytical Results
Former Express Cleaners
3941 N Main Street, Racine, Wisconsin

Parameters		Chloroform	Chloromethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride
CAS		67-66-3	74-87-3	75-35-4	156-59-2	156-60-5	75-09-2	127-18-4	79-01-6	75-01-4
NR 140 ES Standard		6	30	7	70	100	5	5	5	0.2
NR 140 PAL Standard		0.6	3	0.7	7	20	0.5	0.5	0.5	0.02
MW-12	5/19/2009	<1.48	<0.5	<0.47	*7.3*	<0.61	<1.5	**22.6**	*0.62* J	<0.2
	4/7/2011	<0.49	<1.9	<0.6	1.91 J	<0.79	<1.1	**5.4**	<0.47	<0.18
	9/15/2016	<2.5	0.58 J	<0.41	**92.8**	5	<0.23	**25.7**	*2.5*	<0.18
	4/19/2017	<2.5	<0.50	<0.41	*41.5*	2.1	<0.23	**36**	*2.6*	<0.18
	10/17/2017	<2.5	<0.50	<0.41	**76.2**	3.2	<0.23	**69.5**	**7.6**	<0.18
	4/24/2018	<2.5	<0.50	<0.41	*31.2*	1.1	<0.23	**20.2**	*3.0*	<0.18
MW-13	5/19/2009	<1.48	<0.5	<0.47	<0.68	<0.61	<1.5	<0.42	<0.39	<0.2
	4/7/2011	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/15/2016	<2.5	0.77 J	<0.41	4.7	0.56 J	<0.23	<0.50	<0.33	<0.18
	4/19/2017	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	*0.53* J	<0.33	<0.18
	10/17/2017	<2.5	<0.50	<0.41	4.2	0.52 J	<0.23	<0.50	<0.33	<0.18
	4/24/2018	<2.5	<0.50	<0.41	1.1	<0.26	<0.23	<0.50	<0.33	<0.18
MW-14	4/7/2011	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/14/2016	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
MW-15	4/7/2011	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	<0.44	<0.47	<0.18
	9/14/2016	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	4/19/2017	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	10/17/2017	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	4/24/2018	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
MW-16	4/20/2017	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	10/18/2017	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
	4/25/2018	<2.5	1.1	<0.41	<0.26	<0.26	<0.23	<0.50	<0.33	<0.18
PZ-1	4/27/2007	<4.8	#N/A	#N/A	<0.68	<9.5	#N/A	<0.52	<0.44	<2
	1/15/2008	<0.48	#N/A	#N/A	<0.68	<0.95	#N/A	*1.16* J	<0.44	<0.2
	4/7/2011	<0.49	<1.9	<0.6	<0.74	<0.79	<1.1	*2.34*	<0.47	<0.18
	9/15/2016	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	**5.7**	<0.33	<0.18
	10/18/2017	<2.5	<0.50	<0.41	<0.26	<0.26	<0.23	*0.76* J	<0.33	<0.18
	4/25/2018	<2.5	1.9	<0.41	<0.26	<0.26	<0.23	*0.57* J	<0.33	<0.18

Notes:
VOCs = Volatile Organic compounds
ug/L = micrograms per Liter
ES = Enforcement Standard
PAL = Preventive Action Limit
Bold value = NR 140 ES Exceedance
Italic Value = NR 140 PAL Exceedance
-- = No NR 140 ES or PAL established.
#N/A = Not analyzed
J = Estimated concentration. Laboratory results reported between the method detection limit and limit of quantification.
[1] MW-2 and MW-3 were abandoned in October 2016. Replacement well MW-3R was installed in March 2017 following soil treatment.
Analytical results are displayed for detected parameters only.

FIGURES



CONTOUR INTERVAL 10 FEET

0 1/2 1 MILE

0 2000 4000 FEET

LEGEND:

PROPERTY BOUNDARY (APPROXIMATE)

QUADRANGLE LOCATION

SOURCE:
2016 USGS 7.5 Minute Series Racine North and Racine South, Wisconsin Topographic Quadrangles.
Site Location; N: 43.107577° W: 88.208585° WGS84

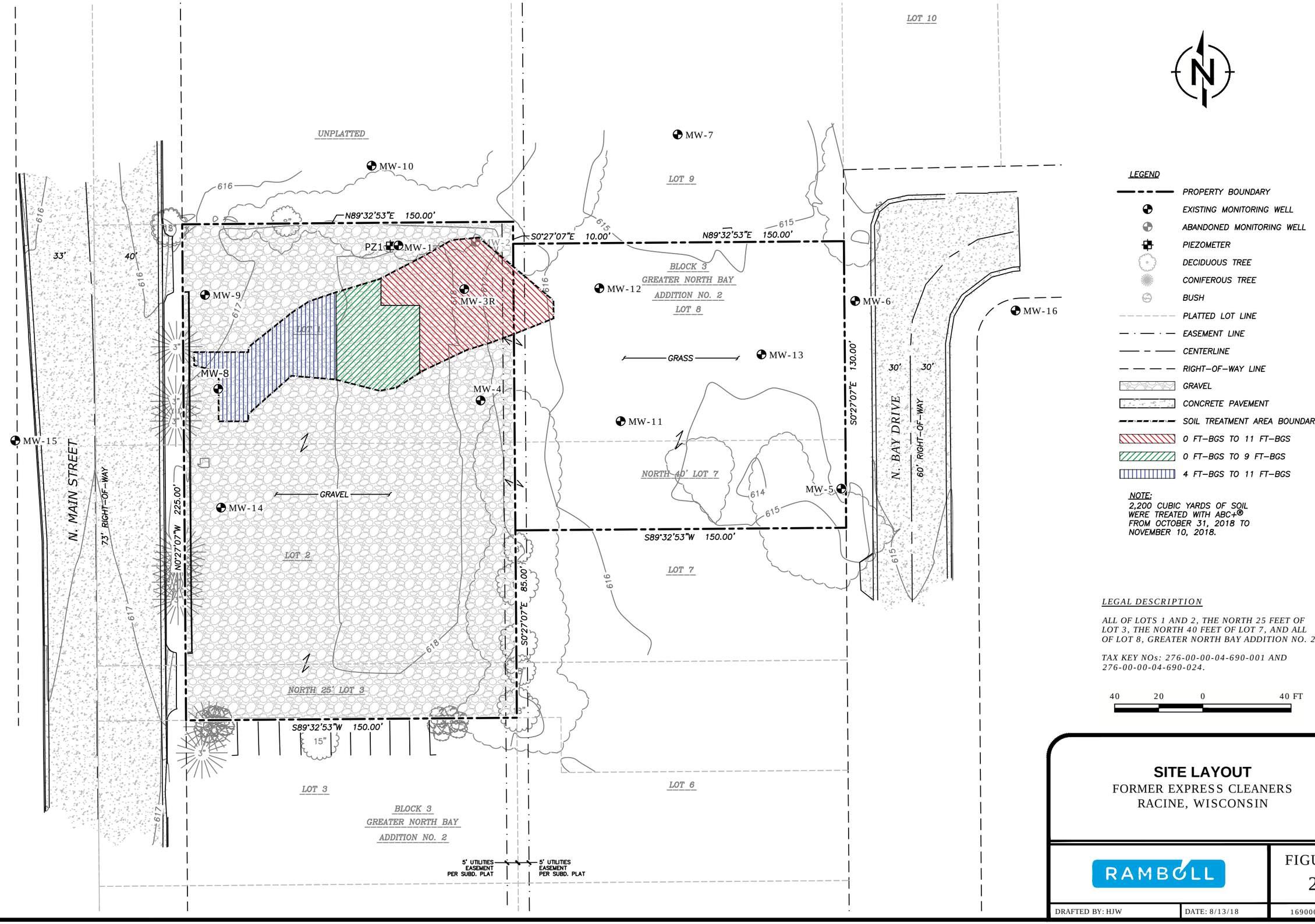
RAMBOLL

SITE LOCATION MAP
FORMER EXPRESS CLEANERS
3941 NORTH MAIN STREET
RACINE, WISCONSIN

FIGURE 1

DRAFTED BY: HJW | DATE: 6/21/18 | 1690004905

L:\Loop Project Files_CAD\1690004905_M&Z Express Cleaners\2018-06\01_Site Location Map.dwg



LEGEND

- PROPERTY BOUNDARY
- EXISTING MONITORING WELL
- ABANDONED MONITORING WELL
- PIEZOMETER
- DECIDUOUS TREE
- CONIFEROUS TREE
- BUSH
- PLATTED LOT LINE
- EASEMENT LINE
- CENTERLINE
- RIGHT-OF-WAY LINE
- GRAVEL
- CONCRETE PAVEMENT
- SOIL TREATMENT AREA BOUNDARY
- 0 FT-BGS TO 11 FT-BGS
- 0 FT-BGS TO 9 FT-BGS
- 4 FT-BGS TO 11 FT-BGS

NOTE:
2,200 CUBIC YARDS OF SOIL WERE TREATED WITH ABC+® FROM OCTOBER 31, 2018 TO NOVEMBER 10, 2018.

LEGAL DESCRIPTION

ALL OF LOTS 1 AND 2, THE NORTH 25 FEET OF LOT 3, THE NORTH 40 FEET OF LOT 7, AND ALL OF LOT 8, GREATER NORTH BAY ADDITION NO. 2.

TAX KEY NOs: 276-00-00-04-690-001 AND 276-00-00-04-690-024.

40 20 0 40 FT

SITE LAYOUT

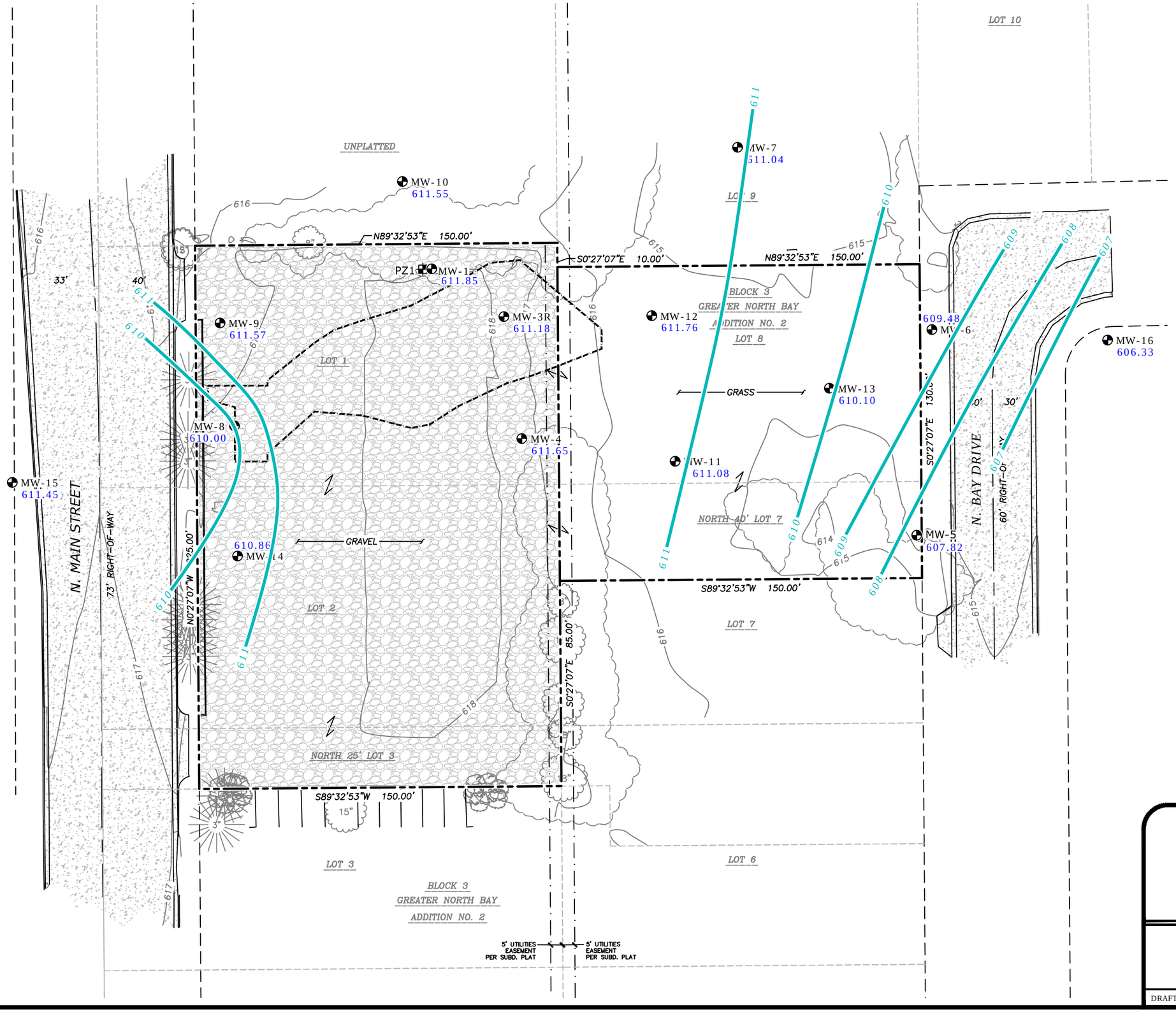
FORMER EXPRESS CLEANERS
RACINE, WISCONSIN

RAMBOLL

FIGURE 2

DRAFTED BY: HJW | DATE: 8/13/18 | 1690004905

L:\Loop Project Files_CAD\1690004905_M&Z Express Cleaners\2018-08\02_Site Layout.dwg



LEGEND

- PROPERTY BOUNDARY
- EXISTING MONITORING WELL
- PIEZOMETER
- DECIDUOUS TREE
- CONIFEROUS TREE
- BUSH
- PLATTED LOT LINE
- EASEMENT LINE
- CENTERLINE
- RIGHT-OF-WAY LINE
- GRAVEL
- CONCRETE PAVEMENT
- 609.48 GROUNDWATER ELVEVATION (FT)
- 608 GROUNDWATER CONTOUR (1-FOOT INTERVAL)
- SOIL TREATMENT AREA BOUNDARY

NOTE:
PZ-1 IS NOT SCREENED IN THE SHALLOW AQUIFER AND IS NOT USED FOR CONTOURING PURPOSES.

LEGAL DESCRIPTION

ALL OF LOTS 1 AND 2, THE NORTH 25 FEET OF LOT 3, THE NORTH 40 FEET OF LOT 7, AND ALL OF LOT 8, GREATER NORTH BAY ADDITION NO. 2.

TAX KEY NOs: 276-00-00-04-690-001 AND 276-00-00-04-690-024.

40 20 0 40 FT

GROUNDWATER POTENTIOMETRIC SURFACE MAP (OCTOBER 17, 2017)

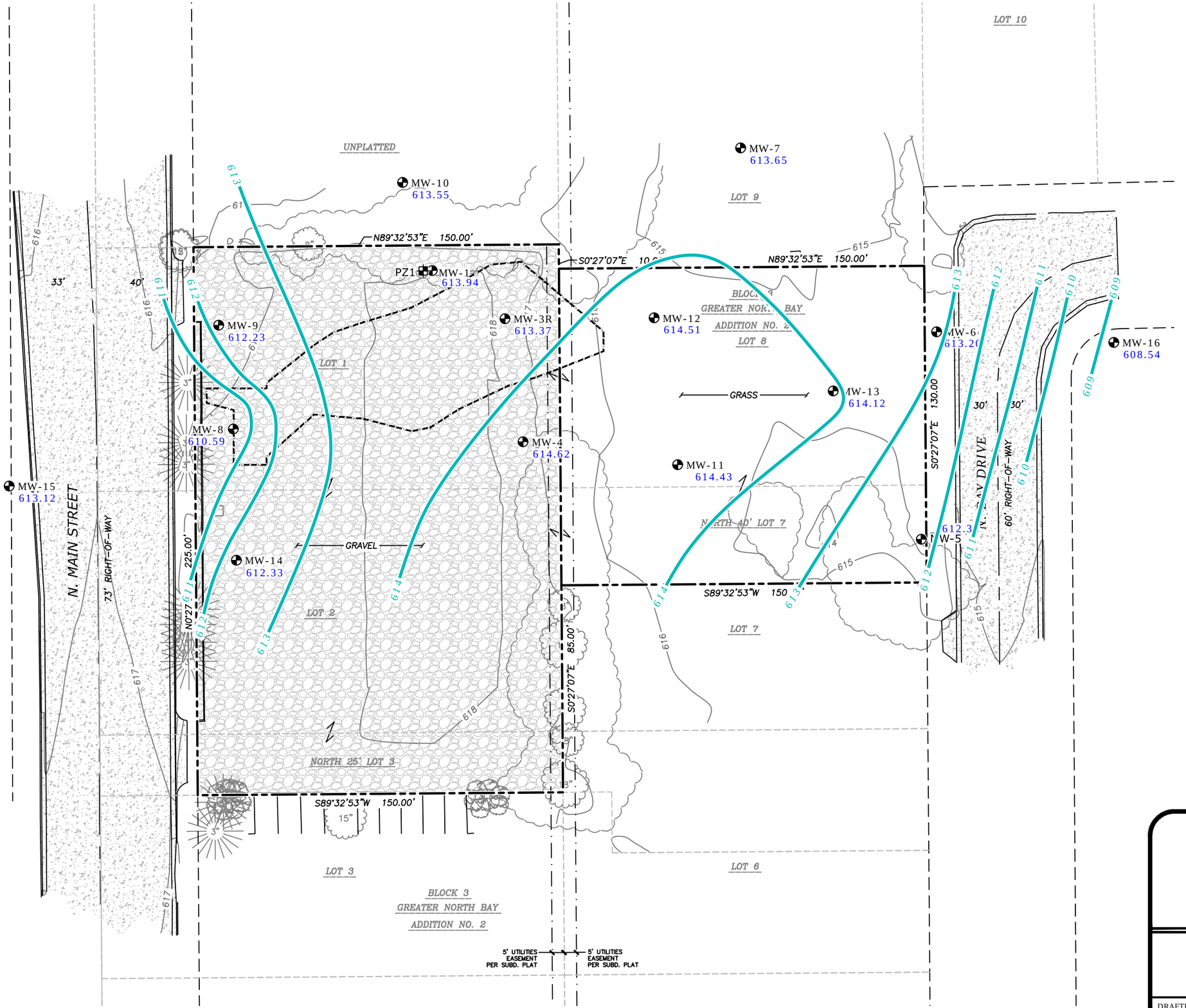
FORMER EXPRESS CLEANERS
RACINE, WISCONSIN

RAMBOLL

FIGURE 3

DRAFTED BY: HJW | DATE: 8/13/18 | 1690004905

L:\Loop Project Files_CAD\1690004905_M&Z Express Cleaners\2018-08\03_GW PS Map (Oct 2017).dwg



LEGEND

- PROPERTY BOUNDARY
- EXISTING MONITORING WELL
- PIEZOMETER
- DECIDUOUS TREE
- CONIFEROUS TREE
- BUSH
- PLATTED LOT LINE
- EASEMENT LINE
- CENTERLINE
- RIGHT-OF-WAY LINE
- GRAVEL
- CONCRETE PAVEMENT
- 608.54 GROUNDWATER ELVEVATION (FT)
- 609 GROUNDWATER CONTOUR (1-FOOT INTERVAL)
- SOIL TREATMENT AREA BOUNDARY

NOTE:
PZ-1 IS NOT SCREENED IN THE SHALLOW AQUIFER AND IS NOT USED FOR CONTOURING PURPOSES.

LEGAL DESCRIPTION

ALL OF LOTS 1 AND 2, THE NORTH 25 FEET OF LOT 3, THE NORTH 40 FEET OF LOT 7, AND ALL OF LOT 8, GREATER NORTH BAY ADDITION NO. 2.

TAX KEY NOs: 276-00-00-04-690-001 AND 276-00-00-04-690-024.

40 20 0 40 FT

GROUNDWATER POTENTIOMETRIC SURFACE MAP (APRIL 24, 2018)

FORMER EXPRESS CLEANERS
RACINE, WISCONSIN

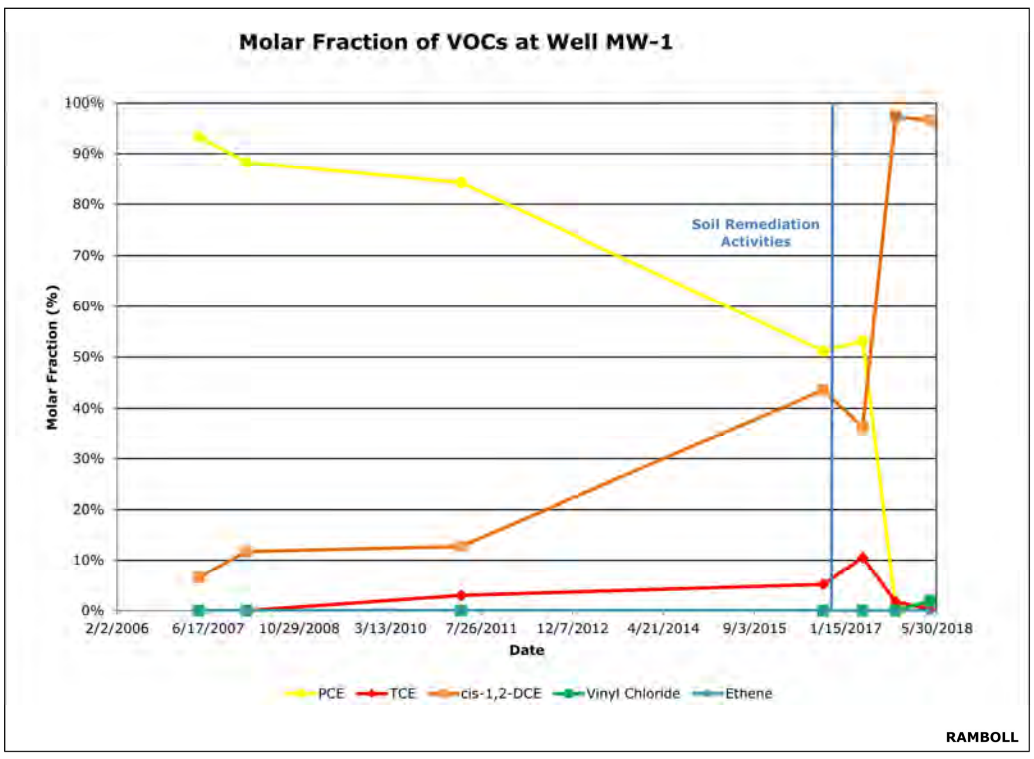
RAMBOLL

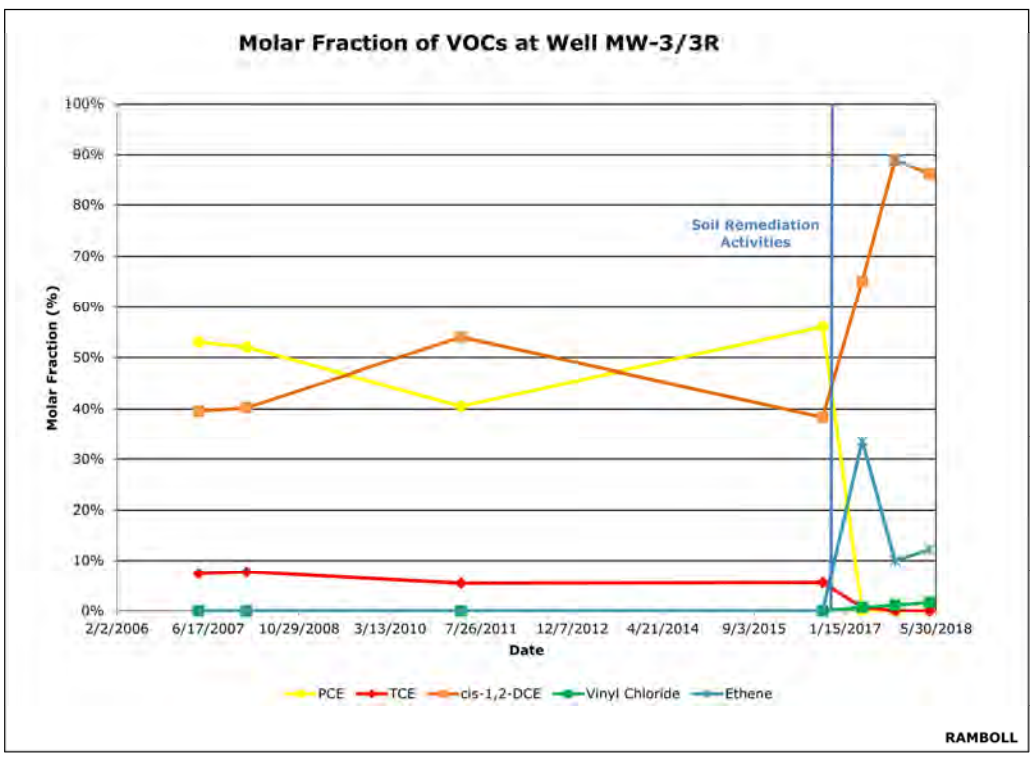
FIGURE 4

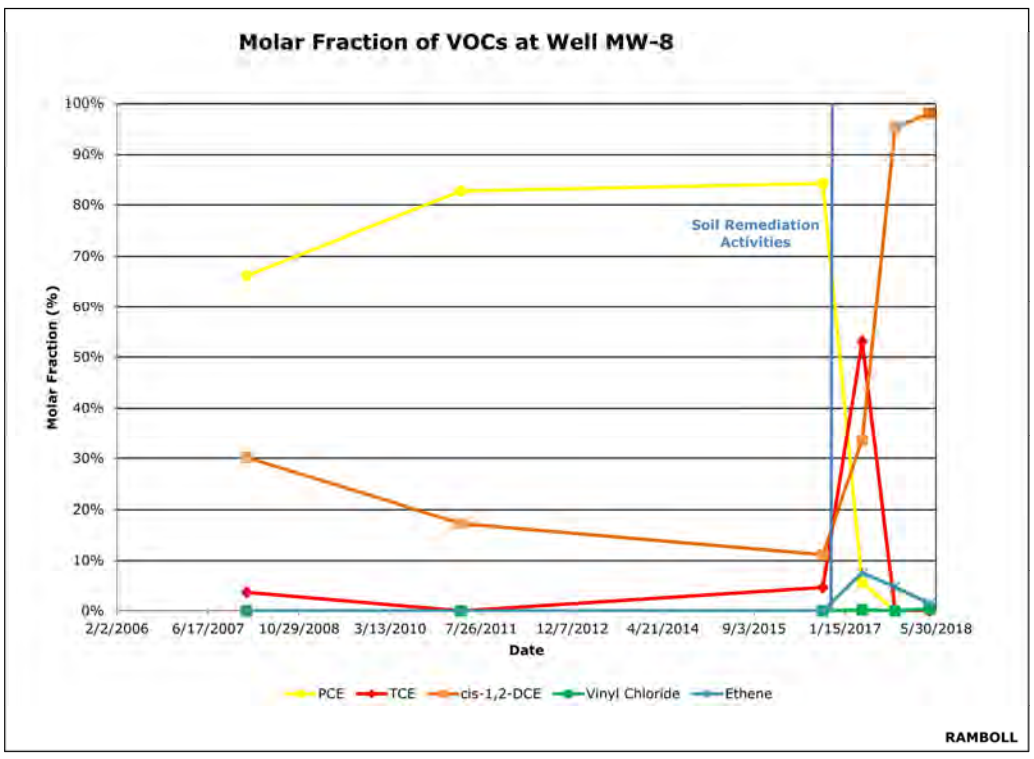
DRAFTED BY: HJW | DATE: 8/13/18 | 1690004905

L:\Loop Project Files_CAD\1690004905_M&Z Express Cleaners\2018-08\04_GW PS Map (Apr 2018).dwg

L:\Loop Project Files_CAD\1690004905_M&Z Express Cleaners\2018-08\05_Molar Fraction Charts.dwg







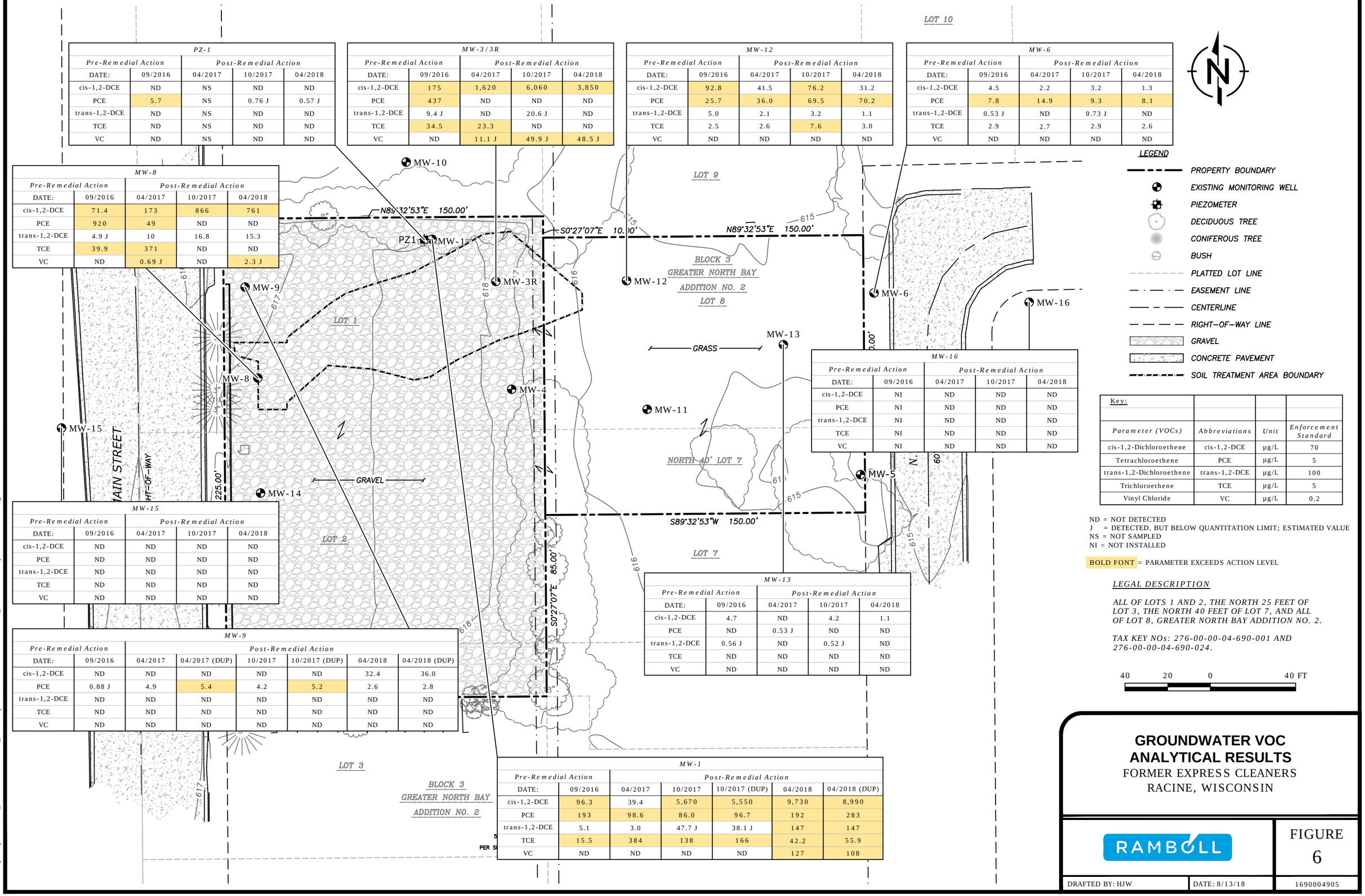
MOLAR FRACTION CHARTS

FORMER EXPRESS CLEANERS
RACINE, WISCONSIN

RAMBOLL

FIGURE
5

DRAFTED BY: HJW | DATE: 8/13/18 | 1690004905



PZ-1

Pre-Remedial Action		Post-Remedial Action		
DATE:	09/2016	04/2017	10/2017	04/2018
cis-1,2-DCE	ND	NS	ND	ND
PCE	5.7	NS	0.76 J	0.57 J
trans-1,2-DCE	ND	NS	ND	ND
TCE	ND	NS	ND	ND
VC	ND	NS	ND	ND

MW-3/3R

Pre-Remedial Action		Post-Remedial Action		
DATE:	09/2016	04/2017	10/2017	04/2018
cis-1,2-DCE	175	1,620	6,060	3,850
PCE	437	ND	ND	ND
trans-1,2-DCE	9.4 J	ND	20.6 J	ND
TCE	34.5	23.3	ND	ND
VC	ND	11.1 J	49.9 J	48.5 J

MW-12

Pre-Remedial Action		Post-Remedial Action		
DATE:	09/2016	04/2017	10/2017	04/2018
cis-1,2-DCE	92.8	41.5	76.2	31.2
PCE	25.7	36.0	69.5	70.2
trans-1,2-DCE	5.0	2.1	3.2	1.1
TCE	2.5	2.6	7.6	3.0
VC	ND	ND	ND	ND

MW-6

Pre-Remedial Action		Post-Remedial Action		
DATE:	09/2016	04/2017	10/2017	04/2018
cis-1,2-DCE	4.5	2.2	3.2	1.3
PCE	7.8	14.9	9.3	8.1
trans-1,2-DCE	0.53 J	ND	0.73 J	ND
TCE	2.9	2.7	2.9	2.6
VC	ND	ND	ND	ND

MW-8

Pre-Remedial Action		Post-Remedial Action		
DATE:	09/2016	04/2017	10/2017	04/2018
cis-1,2-DCE	71.4	173	866	761
PCE	920	49	ND	ND
trans-1,2-DCE	4.9 J	10	16.8	15.3
TCE	39.9	371	ND	ND
VC	ND	0.69 J	ND	2.3 J

MW-16

Pre-Remedial Action		Post-Remedial Action		
DATE:	09/2016	04/2017	10/2017	04/2018
cis-1,2-DCE	NI	ND	ND	ND
PCE	NI	ND	ND	ND
trans-1,2-DCE	NI	ND	ND	ND
TCE	NI	ND	ND	ND
VC	NI	ND	ND	ND

MW-15

Pre-Remedial Action		Post-Remedial Action		
DATE:	09/2016	04/2017	10/2017	04/2018
cis-1,2-DCE	ND	ND	ND	ND
PCE	ND	ND	ND	ND
trans-1,2-DCE	ND	ND	ND	ND
TCE	ND	ND	ND	ND
VC	ND	ND	ND	ND

MW-13

Pre-Remedial Action		Post-Remedial Action		
DATE:	09/2016	04/2017	10/2017	04/2018
cis-1,2-DCE	4.7	ND	4.2	1.1
PCE	ND	0.53 J	ND	ND
trans-1,2-DCE	0.56 J	ND	0.52 J	ND
TCE	ND	ND	ND	ND
VC	ND	ND	ND	ND

MW-9

Pre-Remedial Action		Post-Remedial Action					
DATE:	09/2016	04/2017	04/2017 (DUP)	10/2017	10/2017 (DUP)	04/2018	04/2018 (DUP)
cis-1,2-DCE	ND	ND	ND	ND	ND	32.4	36.0
PCE	0.88 J	4.9	5.4	4.2	5.2	2.6	2.8
trans-1,2-DCE	ND	ND	ND	ND	ND	ND	ND
TCE	ND	ND	ND	ND	ND	ND	ND
VC	ND	ND	ND	ND	ND	ND	ND

MW-1

Pre-Remedial Action		Post-Remedial Action				
DATE:	09/2016	04/2017	10/2017	10/2017 (DUP)	04/2018	04/2018 (DUP)
cis-1,2-DCE	96.3	39.4	5,670	5,550	9,730	8,990
PCE	193	98.6	86.0	96.7	192	283
trans-1,2-DCE	5.1	3.0	47.7 J	38.1 J	147	147
TCE	15.5	384	138	166	42.2	55.9
VC	ND	ND	ND	ND	127	108

LEGEND

- PROPERTY BOUNDARY
- EXISTING MONITORING WELL
- PIEZOMETER
- DECIDUOUS TREE
- CONIFEROUS TREE
- BUSH
- PLATTED LOT LINE
- EASEMENT LINE
- CENTERLINE
- RIGHT-OF-WAY LINE
- GRAVEL
- CONCRETE PAVEMENT
- SOIL TREATMENT AREA BOUNDARY

Key:

Parameter (VOCs)	Abbreviations	Unit	Enforcement Standard
cis-1,2-Dichloroethene	cis-1,2-DCE	µg/L	70
Tetrachloroethene	PCE	µg/L	5
trans-1,2-Dichloroethene	trans-1,2-DCE	µg/L	100
Trichloroethene	TCE	µg/L	5
Vinyl Chloride	VC	µg/L	0.2

ND = NOT DETECTED
J = DETECTED, BUT BELOW QUANTITATION LIMIT; ESTIMATED VALUE
NS = NOT SAMPLED
NI = NOT INSTALLED

BOLD FONT = PARAMETER EXCEEDS ACTION LEVEL

LEGAL DESCRIPTION

ALL OF LOTS 1 AND 2, THE NORTH 25 FEET OF LOT 3, THE NORTH 40 FEET OF LOT 7, AND ALL OF LOT 8, GREATER NORTH BAY ADDITION NO. 2.

TAX KEY NOs: 276-00-00-04-690-001 AND 276-00-00-04-690-024.

40 20 0 40 FT

GROUNDWATER VOC ANALYTICAL RESULTS

FORMER EXPRESS CLEANERS
RACINE, WISCONSIN

RAMBOLL

FIGURE 6

DRAFTED BY: HJW | DATE: 8/13/18 | 1690004905

L:\Loop Project Files_CAD\1690004905_M&Z Express Cleaners\2018-08\06_GW VOC Analytical Results.dwg

APPENDIX A

GROUNDWATER LABORATORY ANALYTICAL REPORT

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

November 08, 2017

Jeanne Tarvin
Ramboll Environ
175 North Corporate Drive
Suite 160
Brookfield, WI 53045

RE: Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Dear Jeanne Tarvin:
Enclosed are the analytical results for sample(s) received by the laboratory on October 20, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

This report was revised on November 6, 2017 to add the Ferrous Iron calculation to the samples.

This report was further revised on November 7, 2017 to report ferrous iron re-analysis data and correct ferric iron calculation for sample "MW-8".

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

Sincerely,

Steven Mleczko
steve.mleczko@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Jim Hutchens, Ramboll Environ
Jim Kane, Ramboll Environ
Snejana Karakis, Environ
David L. Markelz, Ramboll Environ

REPORT OF LABORATORY ANALYSIS

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

cc: Michelle Murphy, Environ
Susan Petrofske, Ramboll Environ
Abigail M. Wedig, Environ International Corp

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

CERTIFICATIONS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #:MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970

Green Bay Certification IDs

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

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40159053001	**MW-15**	Water	10/17/17 11:30	10/20/17 00:00
40159053002	**MW-13**	Water	10/17/17 12:20	10/20/17 00:00
40159053003	**MW-6**	Water	10/17/17 13:05	10/20/17 00:00
40159053004	**MW-12**	Water	10/17/17 14:00	10/20/17 09:30
40159053005	**MW-9**	Water	10/17/17 14:45	10/20/17 09:30
40159053006	**MW-9 DUP**	Water	10/17/17 14:48	10/20/17 09:30
40159053007	**PZ-1**	Water	10/18/17 08:55	10/20/17 09:30
40159053008	**MW-1**	Water	10/18/17 10:00	10/20/17 09:30
40159053009	**MW-1 DUP**	Water	10/18/17 10:03	10/20/17 09:30
40159053010	**MW-16**	Water	10/18/17 10:55	10/20/17 09:30
40159053011	**MW-3R**	Water	10/18/17 11:50	10/20/17 09:30
40159053012	**MW-8**	Water	10/18/17 12:50	10/20/17 09:30
40159053013	**TRIP BLANK**	Water	10/18/17 00:00	10/20/17 09:30

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40159053001	**MW-15**	EPA 8260	LAP	65	PASI-G
40159053002	**MW-13**	EPA 8260	LAP	65	PASI-G
40159053003	**MW-6**	EPA 8260	LAP	65	PASI-G
40159053004	**MW-12**	EPA 8260	LAP	65	PASI-G
40159053005	**MW-9**	EPA 8260	LAP	65	PASI-G
40159053006	**MW-9 DUP**	EPA 8260	LAP	65	PASI-G
40159053007	**PZ-1**	EPA 8260	LAP	65	PASI-G
40159053008	**MW-1**	EPA 8260	LAP	65	PASI-G
40159053009	**MW-1 DUP**	EPA 8260	LAP	65	PASI-G
40159053010	**MW-16**	EPA 8260	LAP	65	PASI-G
40159053011	**MW-3R**	EPA 8015B Modified	ALD	3	PASI-G
		SM 3500-Fe B	AJM	1	PASI-M
		EPA 6020A	TT3	1	PASI-M
		EPA 8260	HNW	65	PASI-G
		EPA 300.0	HMB	1	PASI-G
		SM 3500-Fe B	DCL	1	PASI-M
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40159053012	**MW-8**	EPA 8015B Modified	ALD	3	PASI-G
		SM 3500-Fe B	AJM	1	PASI-M
		EPA 6020A	TT3	1	PASI-M
		EPA 8260	HNW	65	PASI-G
		EPA 300.0	HMB	1	PASI-G
		SM 3500-Fe B	DCL	1	PASI-M
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40159053013	**TRIP BLANK**	EPA 8260	HNW	65	PASI-G

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

SUMMARY OF DETECTION

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40159053002	**MW-13**					
EPA 8260	cis-1,2-Dichloroethene	4.2	ug/L	1.0	10/24/17 14:44	
EPA 8260	trans-1,2-Dichloroethene	0.52J	ug/L	1.0	10/24/17 14:44	
40159053003	**MW-6**					
EPA 8260	cis-1,2-Dichloroethene	3.3	ug/L	1.0	10/24/17 15:07	
EPA 8260	trans-1,2-Dichloroethene	0.73J	ug/L	1.0	10/24/17 15:07	
EPA 8260	Tetrachloroethene	9.3	ug/L	1.0	10/24/17 15:07	
EPA 8260	Trichloroethene	2.9	ug/L	1.0	10/24/17 15:07	
40159053004	**MW-12**					
EPA 8260	cis-1,2-Dichloroethene	76.2	ug/L	1.0	10/24/17 15:30	
EPA 8260	trans-1,2-Dichloroethene	3.2	ug/L	1.0	10/24/17 15:30	
EPA 8260	Tetrachloroethene	69.5	ug/L	1.0	10/24/17 15:30	
EPA 8260	Trichloroethene	7.6	ug/L	1.0	10/24/17 15:30	
40159053005	**MW-9**					
EPA 8260	Tetrachloroethene	4.2	ug/L	1.0	10/24/17 17:30	
40159053006	**MW-9 DUP**					
EPA 8260	Tetrachloroethene	5.2	ug/L	1.0	10/24/17 17:53	
40159053007	**PZ-1**					
EPA 8260	Tetrachloroethene	0.76J	ug/L	1.0	10/25/17 07:01	
40159053008	**MW-1**					
EPA 8260	cis-1,2-Dichloroethene	5670	ug/L	50.0	10/24/17 13:36	
EPA 8260	trans-1,2-Dichloroethene	47.7J	ug/L	50.0	10/24/17 13:36	
EPA 8260	Tetrachloroethene	86.0	ug/L	50.0	10/24/17 13:36	
EPA 8260	Trichloroethene	138	ug/L	50.0	10/24/17 13:36	
40159053009	**MW-1 DUP**					
EPA 8260	cis-1,2-Dichloroethene	5550	ug/L	50.0	10/24/17 13:59	
EPA 8260	trans-1,2-Dichloroethene	38.1J	ug/L	50.0	10/24/17 13:59	
EPA 8260	Tetrachloroethene	96.7	ug/L	50.0	10/24/17 13:59	
EPA 8260	Trichloroethene	166	ug/L	50.0	10/24/17 13:59	
40159053011	**MW-3R**					
EPA 8015B Modified	Ethane	89.0	ug/L	5.6	10/25/17 09:55	
EPA 8015B Modified	Ethene	196	ug/L	5.0	10/25/17 09:55	
EPA 8015B Modified	Methane	5810	ug/L	70.0	10/25/17 11:28	
SM 3500-Fe B	Iron, Ferric	2.2	mg/L	0.050	11/06/17 16:16	N2
EPA 6020A	Iron	5220	ug/L	19.0	10/31/17 00:29	
EPA 8260	cis-1,2-Dichloroethene	6060	ug/L	50.0	10/25/17 15:33	
EPA 8260	trans-1,2-Dichloroethene	20.6J	ug/L	50.0	10/25/17 15:33	
EPA 8260	Vinyl chloride	49.9J	ug/L	50.0	10/25/17 15:33	
SM 3500-Fe B	Iron, Ferrous	3.1	mg/L	0.20	11/03/17 13:13	H6,M1
SM 5310C	Total Organic Carbon	517	mg/L	252	10/25/17 10:35	
40159053012	**MW-8**					
EPA 8015B Modified	Ethane	5.2J	ug/L	5.6	10/25/17 10:02	
EPA 8015B Modified	Ethene	12.7	ug/L	5.0	10/25/17 10:02	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40159053012	**MW-8**					
EPA 8015B Modified	Methane	8700	ug/L	112	10/25/17 11:35	
SM 3500-Fe B	Iron, Ferric	2.6	mg/L	0.050	11/07/17 14:58	N2
EPA 6020A	Iron	18000	ug/L	19.0	10/31/17 00:43	
EPA 8260	cis-1,2-Dichloroethene	866	ug/L	10.0	10/25/17 15:55	
EPA 8260	trans-1,2-Dichloroethene	16.8	ug/L	10.0	10/25/17 15:55	
SM 3500-Fe B	Iron, Ferrous	15.4	mg/L	4.0	11/07/17 12:53	H6
SM 5310C	Total Organic Carbon	678	mg/L	504	10/25/17 10:56	

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

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-15 **Lab ID: 40159053001** Collected: 10/17/17 11:30 Received: 10/20/17 00:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/25/17 07:24	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/25/17 07:24	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/25/17 07:24	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/25/17 07:24	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/25/17 07:24	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/25/17 07:24	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/25/17 07:24	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/25/17 07:24	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/25/17 07:24	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/25/17 07:24	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/25/17 07:24	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/25/17 07:24	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/25/17 07:24	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/25/17 07:24	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/25/17 07:24	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/25/17 07:24	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/25/17 07:24	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/25/17 07:24	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/25/17 07:24	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/25/17 07:24	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/25/17 07:24	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/25/17 07:24	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/25/17 07:24	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/25/17 07:24	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/25/17 07:24	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/25/17 07:24	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/25/17 07:24	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-15 **Lab ID: 40159053001** Collected: 10/17/17 11:30 Received: 10/20/17 00:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/25/17 07:24	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/25/17 07:24	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/25/17 07:24	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/25/17 07:24	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/25/17 07:24	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/25/17 07:24	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/25/17 07:24	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/25/17 07:24	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/25/17 07:24	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		1		10/25/17 07:24	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		1		10/25/17 07:24	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/25/17 07:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-13 **Lab ID: 40159053002** Collected: 10/17/17 12:20 Received: 10/20/17 00:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/24/17 14:44	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/24/17 14:44	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/24/17 14:44	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/17 14:44	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/24/17 14:44	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/24/17 14:44	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/24/17 14:44	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/24/17 14:44	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/24/17 14:44	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/24/17 14:44	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/24/17 14:44	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/24/17 14:44	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/24/17 14:44	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/24/17 14:44	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/24/17 14:44	75-35-4	
cis-1,2-Dichloroethene	**4.2**	ug/L	1.0	0.26	1		10/24/17 14:44	156-59-2	
trans-1,2-Dichloroethene	**0.52J**	ug/L	1.0	0.26	1		10/24/17 14:44	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/24/17 14:44	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/24/17 14:44	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/24/17 14:44	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/24/17 14:44	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/24/17 14:44	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/24/17 14:44	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/24/17 14:44	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/24/17 14:44	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/24/17 14:44	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/24/17 14:44	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-13 **Lab ID: 40159053002** Collected: 10/17/17 12:20 Received: 10/20/17 00:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/24/17 14:44	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/24/17 14:44	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/17 14:44	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/24/17 14:44	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/24/17 14:44	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/24/17 14:44	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/24/17 14:44	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/24/17 14:44	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/24/17 14:44	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 14:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		10/24/17 14:44	460-00-4	
Dibromofluoromethane (S)	100	%	67-130		1		10/24/17 14:44	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/24/17 14:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-6 **Lab ID: 40159053003** Collected: 10/17/17 13:05 Received: 10/20/17 00:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/24/17 15:07	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/24/17 15:07	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/24/17 15:07	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/17 15:07	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/24/17 15:07	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/24/17 15:07	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/24/17 15:07	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/24/17 15:07	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/24/17 15:07	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/24/17 15:07	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/24/17 15:07	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/24/17 15:07	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/24/17 15:07	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/24/17 15:07	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/24/17 15:07	75-35-4	
cis-1,2-Dichloroethene	**3.3**	ug/L	1.0	0.26	1		10/24/17 15:07	156-59-2	
trans-1,2-Dichloroethene	**0.73J**	ug/L	1.0	0.26	1		10/24/17 15:07	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/24/17 15:07	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/24/17 15:07	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/24/17 15:07	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/24/17 15:07	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/24/17 15:07	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/24/17 15:07	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/24/17 15:07	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/24/17 15:07	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/24/17 15:07	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/24/17 15:07	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-6 **Lab ID: 40159053003** Collected: 10/17/17 13:05 Received: 10/20/17 00:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/24/17 15:07	79-34-5	
Tetrachloroethene	**9.3**	ug/L	1.0	0.50	1		10/24/17 15:07	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/24/17 15:07	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/17 15:07	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/24/17 15:07	79-00-5	
Trichloroethene	**2.9**	ug/L	1.0	0.33	1		10/24/17 15:07	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/24/17 15:07	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/24/17 15:07	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/24/17 15:07	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/24/17 15:07	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	61-130		1		10/24/17 15:07	460-00-4	
Dibromofluoromethane (S)	102	%	67-130		1		10/24/17 15:07	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		10/24/17 15:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-12 **Lab ID: 40159053004** Collected: 10/17/17 14:00 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/24/17 15:30	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/24/17 15:30	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/24/17 15:30	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/17 15:30	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/24/17 15:30	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/24/17 15:30	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/24/17 15:30	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/24/17 15:30	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/24/17 15:30	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/24/17 15:30	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/24/17 15:30	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/24/17 15:30	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/24/17 15:30	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/24/17 15:30	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/24/17 15:30	75-35-4	
cis-1,2-Dichloroethene	**76.2**	ug/L	1.0	0.26	1		10/24/17 15:30	156-59-2	
trans-1,2-Dichloroethene	**3.2**	ug/L	1.0	0.26	1		10/24/17 15:30	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/24/17 15:30	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/24/17 15:30	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/24/17 15:30	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/24/17 15:30	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/24/17 15:30	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/24/17 15:30	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/24/17 15:30	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/24/17 15:30	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/24/17 15:30	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/24/17 15:30	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-12 **Lab ID: 40159053004** Collected: 10/17/17 14:00 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/24/17 15:30	79-34-5	
Tetrachloroethene	**69.5**	ug/L	1.0	0.50	1		10/24/17 15:30	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/24/17 15:30	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/17 15:30	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/24/17 15:30	79-00-5	
Trichloroethene	**7.6**	ug/L	1.0	0.33	1		10/24/17 15:30	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/24/17 15:30	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/24/17 15:30	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/24/17 15:30	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/24/17 15:30	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 15:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	61-130		1		10/24/17 15:30	460-00-4	
Dibromofluoromethane (S)	99	%	67-130		1		10/24/17 15:30	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		10/24/17 15:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-9 **Lab ID: 40159053005** Collected: 10/17/17 14:45 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/24/17 17:30	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/24/17 17:30	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/24/17 17:30	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/17 17:30	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/24/17 17:30	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/24/17 17:30	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/24/17 17:30	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/24/17 17:30	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/24/17 17:30	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/24/17 17:30	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/24/17 17:30	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/24/17 17:30	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/24/17 17:30	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/24/17 17:30	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/24/17 17:30	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/24/17 17:30	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/24/17 17:30	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/24/17 17:30	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/24/17 17:30	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/24/17 17:30	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/24/17 17:30	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/24/17 17:30	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/24/17 17:30	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/24/17 17:30	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/24/17 17:30	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/24/17 17:30	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/24/17 17:30	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-9 **Lab ID: 40159053005** Collected: 10/17/17 14:45 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/24/17 17:30	79-34-5	
Tetrachloroethene	**4.2**	ug/L	1.0	0.50	1		10/24/17 17:30	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/24/17 17:30	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/17 17:30	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/24/17 17:30	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/24/17 17:30	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/24/17 17:30	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/24/17 17:30	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/24/17 17:30	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/24/17 17:30	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		10/24/17 17:30	460-00-4	
Dibromofluoromethane (S)	101	%	67-130		1		10/24/17 17:30	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/24/17 17:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-9 DUP **Lab ID: 40159053006** Collected: 10/17/17 14:48 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/24/17 17:53	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/24/17 17:53	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/24/17 17:53	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/17 17:53	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/24/17 17:53	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/24/17 17:53	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/24/17 17:53	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/24/17 17:53	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/24/17 17:53	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/24/17 17:53	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/24/17 17:53	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/24/17 17:53	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/24/17 17:53	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/24/17 17:53	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/24/17 17:53	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/24/17 17:53	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/24/17 17:53	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/24/17 17:53	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/24/17 17:53	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/24/17 17:53	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/24/17 17:53	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/24/17 17:53	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/24/17 17:53	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/24/17 17:53	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/24/17 17:53	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/24/17 17:53	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/24/17 17:53	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-9 DUP **Lab ID: 40159053006** Collected: 10/17/17 14:48 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/24/17 17:53	79-34-5	
Tetrachloroethene	**5.2**	ug/L	1.0	0.50	1		10/24/17 17:53	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/24/17 17:53	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/17 17:53	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/24/17 17:53	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/24/17 17:53	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/24/17 17:53	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/24/17 17:53	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/24/17 17:53	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/24/17 17:53	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 17:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	61-130		1		10/24/17 17:53	460-00-4	
Dibromofluoromethane (S)	95	%	67-130		1		10/24/17 17:53	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/24/17 17:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: PZ-1 **Lab ID: 40159053007** Collected: 10/18/17 08:55 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/25/17 07:01	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/25/17 07:01	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/25/17 07:01	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/25/17 07:01	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/25/17 07:01	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/25/17 07:01	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/25/17 07:01	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/25/17 07:01	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/25/17 07:01	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/25/17 07:01	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/25/17 07:01	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/25/17 07:01	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/25/17 07:01	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/25/17 07:01	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/25/17 07:01	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/25/17 07:01	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/25/17 07:01	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/25/17 07:01	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/25/17 07:01	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/25/17 07:01	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/25/17 07:01	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/25/17 07:01	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/25/17 07:01	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/25/17 07:01	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/25/17 07:01	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/25/17 07:01	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/25/17 07:01	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: PZ-1 **Lab ID: 40159053007** Collected: 10/18/17 08:55 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/25/17 07:01	79-34-5	
Tetrachloroethene	**0.76J**	ug/L	1.0	0.50	1		10/25/17 07:01	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/25/17 07:01	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/25/17 07:01	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/25/17 07:01	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/25/17 07:01	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/25/17 07:01	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/25/17 07:01	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/25/17 07:01	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/25/17 07:01	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 07:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		1		10/25/17 07:01	460-00-4	
Dibromofluoromethane (S)	96	%	67-130		1		10/25/17 07:01	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/25/17 07:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-1 **Lab ID: 40159053008** Collected: 10/18/17 10:00 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	71-43-2	
Bromobenzene	**<11.5**	ug/L	50.0	11.5	50		10/24/17 13:36	108-86-1	
Bromochloromethane	**<17.0**	ug/L	50.0	17.0	50		10/24/17 13:36	74-97-5	
Bromodichloromethane	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	75-27-4	
Bromoform	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	75-25-2	
Bromomethane	**<122**	ug/L	250	122	50		10/24/17 13:36	74-83-9	
n-Butylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	104-51-8	
sec-Butylbenzene	**<109**	ug/L	250	109	50		10/24/17 13:36	135-98-8	
tert-Butylbenzene	**<9.0**	ug/L	50.0	9.0	50		10/24/17 13:36	98-06-6	
Carbon tetrachloride	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	56-23-5	
Chlorobenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	108-90-7	
Chloroethane	**<18.7**	ug/L	50.0	18.7	50		10/24/17 13:36	75-00-3	
Chloroform	**<125**	ug/L	250	125	50		10/24/17 13:36	67-66-3	
Chloromethane	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	74-87-3	
2-Chlorotoluene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	95-49-8	
4-Chlorotoluene	**<10.7**	ug/L	50.0	10.7	50		10/24/17 13:36	106-43-4	
1,2-Dibromo-3-chloropropane	**<108**	ug/L	250	108	50		10/24/17 13:36	96-12-8	
Dibromochloromethane	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	124-48-1	
1,2-Dibromoethane (EDB)	**<8.9**	ug/L	50.0	8.9	50		10/24/17 13:36	106-93-4	
Dibromomethane	**<21.3**	ug/L	50.0	21.3	50		10/24/17 13:36	74-95-3	
1,2-Dichlorobenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	95-50-1	
1,3-Dichlorobenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	541-73-1	
1,4-Dichlorobenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	106-46-7	
Dichlorodifluoromethane	**<11.2**	ug/L	50.0	11.2	50		10/24/17 13:36	75-71-8	
1,1-Dichloroethane	**<12.1**	ug/L	50.0	12.1	50		10/24/17 13:36	75-34-3	
1,2-Dichloroethane	**<8.4**	ug/L	50.0	8.4	50		10/24/17 13:36	107-06-2	
1,1-Dichloroethene	**<20.5**	ug/L	50.0	20.5	50		10/24/17 13:36	75-35-4	
cis-1,2-Dichloroethene	**5670**	ug/L	50.0	12.8	50		10/24/17 13:36	156-59-2	
trans-1,2-Dichloroethene	**47.7J**	ug/L	50.0	12.8	50		10/24/17 13:36	156-60-5	
1,2-Dichloropropane	**<11.7**	ug/L	50.0	11.7	50		10/24/17 13:36	78-87-5	
1,3-Dichloropropane	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	142-28-9	
2,2-Dichloropropane	**<24.2**	ug/L	50.0	24.2	50		10/24/17 13:36	594-20-7	
1,1-Dichloropropene	**<22.1**	ug/L	50.0	22.1	50		10/24/17 13:36	563-58-6	
cis-1,3-Dichloropropene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	10061-01-5	
trans-1,3-Dichloropropene	**<11.5**	ug/L	50.0	11.5	50		10/24/17 13:36	10061-02-6	
Diisopropyl ether	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	108-20-3	
Ethylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	100-41-4	
Hexachloro-1,3-butadiene	**<105**	ug/L	250	105	50		10/24/17 13:36	87-68-3	
Isopropylbenzene (Cumene)	**<7.2**	ug/L	50.0	7.2	50		10/24/17 13:36	98-82-8	
p-Isopropyltoluene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	99-87-6	
Methylene Chloride	**<11.6**	ug/L	50.0	11.6	50		10/24/17 13:36	75-09-2	
Methyl-tert-butyl ether	**<8.7**	ug/L	50.0	8.7	50		10/24/17 13:36	1634-04-4	
Naphthalene	**<125**	ug/L	250	125	50		10/24/17 13:36	91-20-3	
n-Propylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	103-65-1	
Styrene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	100-42-5	
1,1,1,2-Tetrachloroethane	**<9.0**	ug/L	50.0	9.0	50		10/24/17 13:36	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-1 **Lab ID: 40159053008** Collected: 10/18/17 10:00 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<12.5**	ug/L	50.0	12.5	50		10/24/17 13:36	79-34-5	
Tetrachloroethene	**86.0**	ug/L	50.0	25.0	50		10/24/17 13:36	127-18-4	
Toluene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	108-88-3	
1,2,3-Trichlorobenzene	**<107**	ug/L	250	107	50		10/24/17 13:36	87-61-6	
1,2,4-Trichlorobenzene	**<110**	ug/L	250	110	50		10/24/17 13:36	120-82-1	
1,1,1-Trichloroethane	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	71-55-6	
1,1,2-Trichloroethane	**<9.9**	ug/L	50.0	9.9	50		10/24/17 13:36	79-00-5	
Trichloroethene	**138**	ug/L	50.0	16.5	50		10/24/17 13:36	79-01-6	
Trichlorofluoromethane	**<9.2**	ug/L	50.0	9.2	50		10/24/17 13:36	75-69-4	
1,2,3-Trichloropropane	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	96-18-4	
1,2,4-Trimethylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	108-67-8	
Vinyl chloride	**<8.8**	ug/L	50.0	8.8	50		10/24/17 13:36	75-01-4	
Xylene (Total)	**<75.0**	ug/L	150	75.0	50		10/24/17 13:36	1330-20-7	
m&p-Xylene	**<50.0**	ug/L	100	50.0	50		10/24/17 13:36	179601-23-1	
o-Xylene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	61-130		50		10/24/17 13:36	460-00-4	
Dibromofluoromethane (S)	97	%	67-130		50		10/24/17 13:36	1868-53-7	
Toluene-d8 (S)	92	%	70-130		50		10/24/17 13:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-1 DUP **Lab ID: 40159053009** Collected: 10/18/17 10:03 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	71-43-2	
Bromobenzene	**<11.5**	ug/L	50.0	11.5	50		10/24/17 13:59	108-86-1	
Bromochloromethane	**<17.0**	ug/L	50.0	17.0	50		10/24/17 13:59	74-97-5	
Bromodichloromethane	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	75-27-4	
Bromoform	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	75-25-2	
Bromomethane	**<122**	ug/L	250	122	50		10/24/17 13:59	74-83-9	
n-Butylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	104-51-8	
sec-Butylbenzene	**<109**	ug/L	250	109	50		10/24/17 13:59	135-98-8	
tert-Butylbenzene	**<9.0**	ug/L	50.0	9.0	50		10/24/17 13:59	98-06-6	
Carbon tetrachloride	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	56-23-5	
Chlorobenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	108-90-7	
Chloroethane	**<18.7**	ug/L	50.0	18.7	50		10/24/17 13:59	75-00-3	
Chloroform	**<125**	ug/L	250	125	50		10/24/17 13:59	67-66-3	
Chloromethane	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	74-87-3	
2-Chlorotoluene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	95-49-8	
4-Chlorotoluene	**<10.7**	ug/L	50.0	10.7	50		10/24/17 13:59	106-43-4	
1,2-Dibromo-3-chloropropane	**<108**	ug/L	250	108	50		10/24/17 13:59	96-12-8	
Dibromochloromethane	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	124-48-1	
1,2-Dibromoethane (EDB)	**<8.9**	ug/L	50.0	8.9	50		10/24/17 13:59	106-93-4	
Dibromomethane	**<21.3**	ug/L	50.0	21.3	50		10/24/17 13:59	74-95-3	
1,2-Dichlorobenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	95-50-1	
1,3-Dichlorobenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	541-73-1	
1,4-Dichlorobenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	106-46-7	
Dichlorodifluoromethane	**<11.2**	ug/L	50.0	11.2	50		10/24/17 13:59	75-71-8	
1,1-Dichloroethane	**<12.1**	ug/L	50.0	12.1	50		10/24/17 13:59	75-34-3	
1,2-Dichloroethane	**<8.4**	ug/L	50.0	8.4	50		10/24/17 13:59	107-06-2	
1,1-Dichloroethene	**<20.5**	ug/L	50.0	20.5	50		10/24/17 13:59	75-35-4	
cis-1,2-Dichloroethene	**5550**	ug/L	50.0	12.8	50		10/24/17 13:59	156-59-2	
trans-1,2-Dichloroethene	**38.1J**	ug/L	50.0	12.8	50		10/24/17 13:59	156-60-5	
1,2-Dichloropropane	**<11.7**	ug/L	50.0	11.7	50		10/24/17 13:59	78-87-5	
1,3-Dichloropropane	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	142-28-9	
2,2-Dichloropropane	**<24.2**	ug/L	50.0	24.2	50		10/24/17 13:59	594-20-7	
1,1-Dichloropropene	**<22.1**	ug/L	50.0	22.1	50		10/24/17 13:59	563-58-6	
cis-1,3-Dichloropropene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	10061-01-5	
trans-1,3-Dichloropropene	**<11.5**	ug/L	50.0	11.5	50		10/24/17 13:59	10061-02-6	
Diisopropyl ether	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	108-20-3	
Ethylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	100-41-4	
Hexachloro-1,3-butadiene	**<105**	ug/L	250	105	50		10/24/17 13:59	87-68-3	
Isopropylbenzene (Cumene)	**<7.2**	ug/L	50.0	7.2	50		10/24/17 13:59	98-82-8	
p-Isopropyltoluene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	99-87-6	
Methylene Chloride	**<11.6**	ug/L	50.0	11.6	50		10/24/17 13:59	75-09-2	
Methyl-tert-butyl ether	**<8.7**	ug/L	50.0	8.7	50		10/24/17 13:59	1634-04-4	
Naphthalene	**<125**	ug/L	250	125	50		10/24/17 13:59	91-20-3	
n-Propylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	103-65-1	
Styrene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	100-42-5	
1,1,1,2-Tetrachloroethane	**<9.0**	ug/L	50.0	9.0	50		10/24/17 13:59	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-1 DUP **Lab ID: 40159053009** Collected: 10/18/17 10:03 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<12.5**	ug/L	50.0	12.5	50		10/24/17 13:59	79-34-5	
Tetrachloroethene	**96.7**	ug/L	50.0	25.0	50		10/24/17 13:59	127-18-4	
Toluene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	108-88-3	
1,2,3-Trichlorobenzene	**<107**	ug/L	250	107	50		10/24/17 13:59	87-61-6	
1,2,4-Trichlorobenzene	**<110**	ug/L	250	110	50		10/24/17 13:59	120-82-1	
1,1,1-Trichloroethane	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	71-55-6	
1,1,2-Trichloroethane	**<9.9**	ug/L	50.0	9.9	50		10/24/17 13:59	79-00-5	
Trichloroethene	**166**	ug/L	50.0	16.5	50		10/24/17 13:59	79-01-6	
Trichlorofluoromethane	**<9.2**	ug/L	50.0	9.2	50		10/24/17 13:59	75-69-4	
1,2,3-Trichloropropane	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	96-18-4	
1,2,4-Trimethylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	108-67-8	
Vinyl chloride	**<8.8**	ug/L	50.0	8.8	50		10/24/17 13:59	75-01-4	
Xylene (Total)	**<75.0**	ug/L	150	75.0	50		10/24/17 13:59	1330-20-7	
m&p-Xylene	**<50.0**	ug/L	100	50.0	50		10/24/17 13:59	179601-23-1	
o-Xylene	**<25.0**	ug/L	50.0	25.0	50		10/24/17 13:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		50		10/24/17 13:59	460-00-4	
Dibromofluoromethane (S)	95	%	67-130		50		10/24/17 13:59	1868-53-7	
Toluene-d8 (S)	94	%	70-130		50		10/24/17 13:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-16 **Lab ID: 40159053010** Collected: 10/18/17 10:55 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/24/17 18:15	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/24/17 18:15	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/24/17 18:15	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/17 18:15	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/24/17 18:15	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/24/17 18:15	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/24/17 18:15	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/24/17 18:15	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/24/17 18:15	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/24/17 18:15	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/24/17 18:15	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/24/17 18:15	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/24/17 18:15	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/24/17 18:15	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/24/17 18:15	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/24/17 18:15	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/24/17 18:15	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/24/17 18:15	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/24/17 18:15	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/24/17 18:15	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/24/17 18:15	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/24/17 18:15	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/24/17 18:15	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/24/17 18:15	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/24/17 18:15	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/24/17 18:15	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/24/17 18:15	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-16 **Lab ID: 40159053010** Collected: 10/18/17 10:55 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/24/17 18:15	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/24/17 18:15	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/24/17 18:15	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/24/17 18:15	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/24/17 18:15	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/24/17 18:15	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/24/17 18:15	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/24/17 18:15	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/24/17 18:15	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/24/17 18:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		1		10/24/17 18:15	460-00-4	
Dibromofluoromethane (S)	103	%	67-130		1		10/24/17 18:15	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		10/24/17 18:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-3R **Lab ID: 40159053011** Collected: 10/18/17 11:50 Received: 10/20/17 09:30 Matrix: Water
Comments: • Client needs Ferrous Iron calculation on the project.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**89.0**	ug/L	5.6	0.58	1		10/25/17 09:55	74-84-0	
Ethene	**196**	ug/L	5.0	0.52	1		10/25/17 09:55	74-85-1	
Methane	**5810**	ug/L	70.0	34.2	25		10/25/17 11:28	74-82-8	
Iron, Ferric (Calculation)	Analytical Method: SM 3500-Fe B								
Iron, Ferric	**2.2**	mg/L	0.050		1		11/06/17 16:16	7439-89-6	N2
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3020								
Iron	**5220**	ug/L	19.0	5.7	1	10/26/17 19:57	10/31/17 00:29	7439-89-6	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	71-43-2	
Bromobenzene	**<11.5**	ug/L	50.0	11.5	50		10/25/17 15:33	108-86-1	
Bromochloromethane	**<17.0**	ug/L	50.0	17.0	50		10/25/17 15:33	74-97-5	
Bromodichloromethane	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	75-27-4	
Bromoform	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	75-25-2	
Bromomethane	**<122**	ug/L	250	122	50		10/25/17 15:33	74-83-9	
n-Butylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	104-51-8	
sec-Butylbenzene	**<109**	ug/L	250	109	50		10/25/17 15:33	135-98-8	
tert-Butylbenzene	**<9.0**	ug/L	50.0	9.0	50		10/25/17 15:33	98-06-6	
Carbon tetrachloride	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	56-23-5	
Chlorobenzene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	108-90-7	
Chloroethane	**<18.7**	ug/L	50.0	18.7	50		10/25/17 15:33	75-00-3	
Chloroform	**<125**	ug/L	250	125	50		10/25/17 15:33	67-66-3	
Chloromethane	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	74-87-3	
2-Chlorotoluene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	95-49-8	
4-Chlorotoluene	**<10.7**	ug/L	50.0	10.7	50		10/25/17 15:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<108**	ug/L	250	108	50		10/25/17 15:33	96-12-8	
Dibromochloromethane	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	124-48-1	
1,2-Dibromoethane (EDB)	**<8.9**	ug/L	50.0	8.9	50		10/25/17 15:33	106-93-4	
Dibromomethane	**<21.3**	ug/L	50.0	21.3	50		10/25/17 15:33	74-95-3	
1,2-Dichlorobenzene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	95-50-1	
1,3-Dichlorobenzene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	541-73-1	
1,4-Dichlorobenzene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	106-46-7	
Dichlorodifluoromethane	**<11.2**	ug/L	50.0	11.2	50		10/25/17 15:33	75-71-8	
1,1-Dichloroethane	**<12.1**	ug/L	50.0	12.1	50		10/25/17 15:33	75-34-3	
1,2-Dichloroethane	**<8.4**	ug/L	50.0	8.4	50		10/25/17 15:33	107-06-2	
1,1-Dichloroethene	**<20.5**	ug/L	50.0	20.5	50		10/25/17 15:33	75-35-4	
cis-1,2-Dichloroethene	**6060**	ug/L	50.0	12.8	50		10/25/17 15:33	156-59-2	
trans-1,2-Dichloroethene	**20.6J**	ug/L	50.0	12.8	50		10/25/17 15:33	156-60-5	
1,2-Dichloropropane	**<11.7**	ug/L	50.0	11.7	50		10/25/17 15:33	78-87-5	
1,3-Dichloropropane	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	142-28-9	
2,2-Dichloropropane	**<24.2**	ug/L	50.0	24.2	50		10/25/17 15:33	594-20-7	
1,1-Dichloropropene	**<22.1**	ug/L	50.0	22.1	50		10/25/17 15:33	563-58-6	
cis-1,3-Dichloropropene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-3R **Lab ID: 40159053011** Collected: 10/18/17 11:50 Received: 10/20/17 09:30 Matrix: Water
Comments: • Client needs Ferrous Iron calculation on the project.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	**<11.5**	ug/L	50.0	11.5	50		10/25/17 15:33	10061-02-6	
Diisopropyl ether	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	108-20-3	
Ethylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	100-41-4	
Hexachloro-1,3-butadiene	**<105**	ug/L	250	105	50		10/25/17 15:33	87-68-3	
Isopropylbenzene (Cumene)	**<7.2**	ug/L	50.0	7.2	50		10/25/17 15:33	98-82-8	
p-Isopropyltoluene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	99-87-6	
Methylene Chloride	**<11.6**	ug/L	50.0	11.6	50		10/25/17 15:33	75-09-2	
Methyl-tert-butyl ether	**<8.7**	ug/L	50.0	8.7	50		10/25/17 15:33	1634-04-4	
Naphthalene	**<125**	ug/L	250	125	50		10/25/17 15:33	91-20-3	
n-Propylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	103-65-1	
Styrene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<9.0**	ug/L	50.0	9.0	50		10/25/17 15:33	630-20-6	
1,1,2,2-Tetrachloroethane	**<12.5**	ug/L	50.0	12.5	50		10/25/17 15:33	79-34-5	
Tetrachloroethene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	127-18-4	
Toluene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	108-88-3	
1,2,3-Trichlorobenzene	**<107**	ug/L	250	107	50		10/25/17 15:33	87-61-6	
1,2,4-Trichlorobenzene	**<110**	ug/L	250	110	50		10/25/17 15:33	120-82-1	
1,1,1-Trichloroethane	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	71-55-6	
1,1,2-Trichloroethane	**<9.9**	ug/L	50.0	9.9	50		10/25/17 15:33	79-00-5	
Trichloroethene	**<16.5**	ug/L	50.0	16.5	50		10/25/17 15:33	79-01-6	
Trichlorofluoromethane	**<9.2**	ug/L	50.0	9.2	50		10/25/17 15:33	75-69-4	L1
1,2,3-Trichloropropane	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	96-18-4	
1,2,4-Trimethylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	108-67-8	
Vinyl chloride	**49.9J**	ug/L	50.0	8.8	50		10/25/17 15:33	75-01-4	
Xylene (Total)	**<75.0**	ug/L	150	75.0	50		10/25/17 15:33	1330-20-7	
m&p-Xylene	**<50.0**	ug/L	100	50.0	50		10/25/17 15:33	179601-23-1	
o-Xylene	**<25.0**	ug/L	50.0	25.0	50		10/25/17 15:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		50		10/25/17 15:33	460-00-4	
Dibromofluoromethane (S)	118	%	67-130		50		10/25/17 15:33	1868-53-7	
Toluene-d8 (S)	100	%	70-130		50		10/25/17 15:33	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**<1.0**	mg/L	3.0	1.0	1		11/03/17 13:14	14808-79-8	
3500FE B Iron, Ferrous	Analytical Method: SM 3500-Fe B								
Iron, Ferrous	**3.1**	mg/L	0.20	0.086	5		11/03/17 13:13		H6,M1
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.095**	mg/L	0.25	0.095	1		10/25/17 14:08		
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**517**	mg/L	252	75.6	300		10/25/17 10:35	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-8 **Lab ID: 40159053012** Collected: 10/18/17 12:50 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**5.2J**	ug/L	5.6	0.58	1		10/25/17 10:02	74-84-0	
Ethene	**12.7**	ug/L	5.0	0.52	1		10/25/17 10:02	74-85-1	
Methane	**8700**	ug/L	112	54.8	40		10/25/17 11:35	74-82-8	
Iron, Ferric (Calculation)	Analytical Method: SM 3500-Fe B								
Iron, Ferric	**2.6**	mg/L	0.050		1		11/07/17 14:58	7439-89-6	N2
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3020								
Iron	**18000**	ug/L	19.0	5.7	1	10/26/17 19:57	10/31/17 00:43	7439-89-6	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	71-43-2	
Bromobenzene	**<2.3**	ug/L	10.0	2.3	10		10/25/17 15:55	108-86-1	
Bromochloromethane	**<3.4**	ug/L	10.0	3.4	10		10/25/17 15:55	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		10/25/17 15:55	74-83-9	
n-Butylbenzene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	104-51-8	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		10/25/17 15:55	135-98-8	
tert-Butylbenzene	**<1.8**	ug/L	10.0	1.8	10		10/25/17 15:55	98-06-6	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		10/25/17 15:55	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		10/25/17 15:55	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	74-87-3	
2-Chlorotoluene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	95-49-8	
4-Chlorotoluene	**<2.1**	ug/L	10.0	2.1	10		10/25/17 15:55	106-43-4	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		10/25/17 15:55	96-12-8	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	124-48-1	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		10/25/17 15:55	106-93-4	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		10/25/17 15:55	74-95-3	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	95-50-1	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		10/25/17 15:55	75-71-8	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		10/25/17 15:55	75-34-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		10/25/17 15:55	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		10/25/17 15:55	75-35-4	
cis-1,2-Dichloroethene	**866**	ug/L	10.0	2.6	10		10/25/17 15:55	156-59-2	
trans-1,2-Dichloroethene	**16.8**	ug/L	10.0	2.6	10		10/25/17 15:55	156-60-5	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		10/25/17 15:55	78-87-5	
1,3-Dichloropropane	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	142-28-9	
2,2-Dichloropropane	**<4.8**	ug/L	10.0	4.8	10		10/25/17 15:55	594-20-7	
1,1-Dichloropropene	**<4.4**	ug/L	10.0	4.4	10		10/25/17 15:55	563-58-6	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	10061-01-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		10/25/17 15:55	10061-02-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: MW-8 **Lab ID: 40159053012** Collected: 10/18/17 12:50 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Diisopropyl ether	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	108-20-3	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		10/25/17 15:55	87-68-3	
Isopropylbenzene (Cumene)	**<1.4**	ug/L	10.0	1.4	10		10/25/17 15:55	98-82-8	
p-Isopropyltoluene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	99-87-6	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		10/25/17 15:55	75-09-2	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		10/25/17 15:55	1634-04-4	
Naphthalene	**<25.0**	ug/L	50.0	25.0	10		10/25/17 15:55	91-20-3	
n-Propylbenzene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	103-65-1	
Styrene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	10.0	1.8	10		10/25/17 15:55	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		10/25/17 15:55	79-34-5	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	127-18-4	
Toluene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	108-88-3	
1,2,3-Trichlorobenzene	**<21.3**	ug/L	50.0	21.3	10		10/25/17 15:55	87-61-6	
1,2,4-Trichlorobenzene	**<22.1**	ug/L	50.0	22.1	10		10/25/17 15:55	120-82-1	
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	71-55-6	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		10/25/17 15:55	79-00-5	
Trichloroethene	**<3.3**	ug/L	10.0	3.3	10		10/25/17 15:55	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		10/25/17 15:55	75-69-4	L1
1,2,3-Trichloropropane	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	96-18-4	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	95-63-6	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	108-67-8	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		10/25/17 15:55	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		10/25/17 15:55	1330-20-7	
m&p-Xylene	**<10.0**	ug/L	20.0	10.0	10		10/25/17 15:55	179601-23-1	
o-Xylene	**<5.0**	ug/L	10.0	5.0	10		10/25/17 15:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		10		10/25/17 15:55	460-00-4	
Dibromofluoromethane (S)	118	%	67-130		10		10/25/17 15:55	1868-53-7	
Toluene-d8 (S)	101	%	70-130		10		10/25/17 15:55	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**<5.0**	mg/L	15.0	5.0	5		11/03/17 13:25	14808-79-8	D3
3500FE B Iron, Ferrous	Analytical Method: SM 3500-Fe B								
Iron, Ferrous	**15.4**	mg/L	4.0	1.7	100		11/07/17 12:53		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.095**	mg/L	0.25	0.095	1		10/30/17 12:47		
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**678**	mg/L	504	151	600		10/25/17 10:56	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: TRIP BLANK **Lab ID: 40159053013** Collected: 10/18/17 00:00 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		10/25/17 14:48	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		10/25/17 14:48	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		10/25/17 14:48	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		10/25/17 14:48	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		10/25/17 14:48	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		10/25/17 14:48	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		10/25/17 14:48	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		10/25/17 14:48	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		10/25/17 14:48	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		10/25/17 14:48	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		10/25/17 14:48	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		10/25/17 14:48	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		10/25/17 14:48	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		10/25/17 14:48	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		10/25/17 14:48	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/25/17 14:48	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		10/25/17 14:48	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		10/25/17 14:48	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		10/25/17 14:48	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		10/25/17 14:48	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		10/25/17 14:48	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		10/25/17 14:48	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		10/25/17 14:48	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		10/25/17 14:48	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		10/25/17 14:48	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		10/25/17 14:48	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		10/25/17 14:48	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Sample: TRIP BLANK **Lab ID: 40159053013** Collected: 10/18/17 00:00 Received: 10/20/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		10/25/17 14:48	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		10/25/17 14:48	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		10/25/17 14:48	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		10/25/17 14:48	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		10/25/17 14:48	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		10/25/17 14:48	75-69-4	L1
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		10/25/17 14:48	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		10/25/17 14:48	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		10/25/17 14:48	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		10/25/17 14:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		1		10/25/17 14:48	460-00-4	
Dibromofluoromethane (S)	119	%	67-130		1		10/25/17 14:48	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/25/17 14:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

QC Batch: 271768 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40159053011, 40159053012

METHOD BLANK: 1597969 Matrix: Water
Associated Lab Samples: 40159053011, 40159053012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	10/25/17 08:49	
Ethene	ug/L	<0.52	5.0	10/25/17 08:49	
Methane	ug/L	<1.4	2.8	10/25/17 08:49	

LABORATORY CONTROL SAMPLE & LCSD: 1597970 1597971

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	52.6	53.7	98	100	80-120	2	20	
Ethene	ug/L	50	48.6	49.4	97	99	80-119	2	20	
Methane	ug/L	28.6	27.3	27.9	95	98	80-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1598186 1598187

Parameter	Units	40159297007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.58	53.6	53.6	51.5	51.2	96	96	79-120	1	20	
Ethene	ug/L	<0.52	50	50	47.9	47.4	96	95	78-119	1	20	
Methane	ug/L	13.1	28.6	28.6	39.9	39.0	94	91	10-200	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

QC Batch: 504433 Analysis Method: EPA 6020A
QC Batch Method: EPA 3020 Analysis Description: 6020A Water UPD4
Associated Lab Samples: 40159053011, 40159053012

METHOD BLANK: 2742274 Matrix: Water
Associated Lab Samples: 40159053011, 40159053012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<5.7	19.0	10/31/17 00:24	

LABORATORY CONTROL SAMPLE: 2742275

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	2150	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2742276 2742277

Parameter	Units	40159053011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	5220	2000	2000	7270	7360	103	107	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

QC Batch: 271412 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40159053001, 40159053002, 40159053003, 40159053004, 40159053005, 40159053006, 40159053007, 40159053008, 40159053009, 40159053010

METHOD BLANK: 1596371 Matrix: Water
Associated Lab Samples: 40159053001, 40159053002, 40159053003, 40159053004, 40159053005, 40159053006, 40159053007, 40159053008, 40159053009, 40159053010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/24/17 07:34	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/24/17 07:34	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/24/17 07:34	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/24/17 07:34	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/24/17 07:34	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/24/17 07:34	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/24/17 07:34	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/24/17 07:34	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/24/17 07:34	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/24/17 07:34	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/24/17 07:34	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/24/17 07:34	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/24/17 07:34	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/24/17 07:34	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/24/17 07:34	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/24/17 07:34	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/24/17 07:34	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/24/17 07:34	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/24/17 07:34	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/24/17 07:34	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/24/17 07:34	
2-Chlorotoluene	ug/L	<0.50	1.0	10/24/17 07:34	
4-Chlorotoluene	ug/L	<0.21	1.0	10/24/17 07:34	
Benzene	ug/L	<0.50	1.0	10/24/17 07:34	
Bromobenzene	ug/L	<0.23	1.0	10/24/17 07:34	
Bromochloromethane	ug/L	<0.34	1.0	10/24/17 07:34	
Bromodichloromethane	ug/L	<0.50	1.0	10/24/17 07:34	
Bromoform	ug/L	<0.50	1.0	10/24/17 07:34	
Bromomethane	ug/L	<2.4	5.0	10/24/17 07:34	
Carbon tetrachloride	ug/L	<0.50	1.0	10/24/17 07:34	
Chlorobenzene	ug/L	<0.50	1.0	10/24/17 07:34	
Chloroethane	ug/L	<0.37	1.0	10/24/17 07:34	
Chloroform	ug/L	<2.5	5.0	10/24/17 07:34	
Chloromethane	ug/L	<0.50	1.0	10/24/17 07:34	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/24/17 07:34	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/24/17 07:34	
Dibromochloromethane	ug/L	<0.50	1.0	10/24/17 07:34	
Dibromomethane	ug/L	<0.43	1.0	10/24/17 07:34	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/24/17 07:34	
Diisopropyl ether	ug/L	<0.50	1.0	10/24/17 07:34	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

METHOD BLANK: 1596371 Matrix: Water

Associated Lab Samples: 40159053001, 40159053002, 40159053003, 40159053004, 40159053005, 40159053006, 40159053007, 40159053008, 40159053009, 40159053010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	10/24/17 07:34	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/24/17 07:34	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/24/17 07:34	
m&p-Xylene	ug/L	<1.0	2.0	10/24/17 07:34	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/24/17 07:34	
Methylene Chloride	ug/L	<0.23	1.0	10/24/17 07:34	
n-Butylbenzene	ug/L	<0.50	1.0	10/24/17 07:34	
n-Propylbenzene	ug/L	<0.50	1.0	10/24/17 07:34	
Naphthalene	ug/L	<2.5	5.0	10/24/17 07:34	
o-Xylene	ug/L	<0.50	1.0	10/24/17 07:34	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/24/17 07:34	
sec-Butylbenzene	ug/L	<2.2	5.0	10/24/17 07:34	
Styrene	ug/L	<0.50	1.0	10/24/17 07:34	
tert-Butylbenzene	ug/L	<0.18	1.0	10/24/17 07:34	
Tetrachloroethene	ug/L	<0.50	1.0	10/24/17 07:34	
Toluene	ug/L	<0.50	1.0	10/24/17 07:34	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/24/17 07:34	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/24/17 07:34	
Trichloroethene	ug/L	<0.33	1.0	10/24/17 07:34	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/24/17 07:34	
Vinyl chloride	ug/L	<0.18	1.0	10/24/17 07:34	
Xylene (Total)	ug/L	<1.5	3.0	10/24/17 07:34	
4-Bromofluorobenzene (S)	%	88	61-130	10/24/17 07:34	
Dibromofluoromethane (S)	%	101	67-130	10/24/17 07:34	
Toluene-d8 (S)	%	93	70-130	10/24/17 07:34	

LABORATORY CONTROL SAMPLE: 1596372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	49.6	56.8	114	70-130	
1,1,2,2-Tetrachloroethane	ug/L	49.6	41.0	83	70-130	
1,1,2-Trichloroethane	ug/L	49.6	47.9	97	70-130	
1,1-Dichloroethane	ug/L	49.6	48.0	97	71-132	
1,1-Dichloroethene	ug/L	49.6	47.5	96	75-130	
1,2,4-Trichlorobenzene	ug/L	49.6	43.3	87	70-130	
1,2-Dibromo-3-chloropropane	ug/L	49.6	41.6	84	63-123	
1,2-Dibromoethane (EDB)	ug/L	49.6	52.3	105	70-130	
1,2-Dichlorobenzene	ug/L	49.6	50.4	102	70-130	
1,2-Dichloroethane	ug/L	49.6	56.7	114	70-131	
1,2-Dichloropropane	ug/L	49.6	49.8	100	80-120	
1,3-Dichlorobenzene	ug/L	49.6	51.2	103	70-130	
1,4-Dichlorobenzene	ug/L	49.6	50.4	102	70-130	
Benzene	ug/L	49.6	47.5	96	73-145	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

LABORATORY CONTROL SAMPLE: 1596372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	49.6	56.7	114	70-130	
Bromoform	ug/L	49.6	47.0	95	67-130	
Bromomethane	ug/L	50	33.2	66	26-128	
Carbon tetrachloride	ug/L	49.6	58.6	118	70-133	
Chlorobenzene	ug/L	49.6	54.8	110	70-130	
Chloroethane	ug/L	50	39.6	79	58-120	
Chloroform	ug/L	49.6	53.0	107	80-121	
Chloromethane	ug/L	50	26.0	52	40-127	
cis-1,2-Dichloroethene	ug/L	49.6	50.4	102	70-130	
cis-1,3-Dichloropropene	ug/L	49.6	46.3	93	70-130	
Dibromochloromethane	ug/L	49.6	53.2	107	70-130	
Dichlorodifluoromethane	ug/L	50	35.1	70	20-135	
Ethylbenzene	ug/L	49.6	56.7	114	87-129	
Isopropylbenzene (Cumene)	ug/L	49.6	58.3	118	70-130	
m&p-Xylene	ug/L	99.2	114	115	70-130	
Methyl-tert-butyl ether	ug/L	49.6	45.0	91	66-143	
Methylene Chloride	ug/L	49.6	44.8	90	70-130	
o-Xylene	ug/L	49.6	56.8	114	70-130	
Styrene	ug/L	49.6	52.8	106	70-130	
Tetrachloroethene	ug/L	49.6	59.2	119	70-130	
Toluene	ug/L	49.6	50.4	102	82-130	
trans-1,2-Dichloroethene	ug/L	49.6	47.7	96	75-132	
trans-1,3-Dichloropropene	ug/L	49.6	41.4	84	70-130	
Trichloroethene	ug/L	49.6	56.5	114	70-130	
Trichlorofluoromethane	ug/L	50	58.2	116	76-133	
Vinyl chloride	ug/L	50	36.5	73	57-136	
Xylene (Total)	ug/L	149	171	115	70-130	
4-Bromofluorobenzene (S)	%			102	61-130	
Dibromofluoromethane (S)	%			99	67-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1596373 1596374

Parameter	Units	40158847002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	82.0	49.6	49.6	146	142	128	122	70-134	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	49.6	49.6	44.2	41.2	89	83	70-130	7	20	
1,1,2-Trichloroethane	ug/L	<0.20	49.6	49.6	47.3	46.6	95	94	70-130	1	20	
1,1-Dichloroethane	ug/L	48.5	49.6	49.6	99.8	97.4	103	99	71-133	2	20	
1,1-Dichloroethene	ug/L	16.0	49.6	49.6	60.7	60.9	90	91	75-136	0	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	49.6	49.6	46.6	47.6	94	96	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	49.6	49.6	39.6	46.2	80	93	63-123	15	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	49.6	49.6	52.3	50.9	105	103	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.50	49.6	49.6	52.5	52.2	106	105	70-130	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1596373 1596374

Parameter	Units	40158847002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	<0.17	49.6	49.6	54.4	54.7	110	110	70-131	1	20	
1,2-Dichloropropane	ug/L	<0.23	49.6	49.6	46.2	46.9	93	95	80-120	1	20	
1,3-Dichlorobenzene	ug/L	<0.50	49.6	49.6	52.7	51.6	106	104	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.50	49.6	49.6	51.4	50.7	104	102	70-130	1	20	
Benzene	ug/L	<0.50	49.6	49.6	45.9	46.7	92	94	73-145	2	20	
Bromodichloromethane	ug/L	<0.50	49.6	49.6	55.4	54.4	112	110	70-130	2	20	
Bromoform	ug/L	<0.50	49.6	49.6	48.4	47.7	98	96	67-130	1	20	
Bromomethane	ug/L	<2.4	50	50	35.9	36.8	72	74	26-129	3	20	
Carbon tetrachloride	ug/L	<0.50	49.6	49.6	59.0	57.8	119	117	70-134	2	20	
Chlorobenzene	ug/L	<0.50	49.6	49.6	52.5	52.2	106	105	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	39.2	42.3	78	85	58-120	8	20	
Chloroform	ug/L	<2.5	49.6	49.6	51.2	51.4	103	104	80-121	0	20	
Chloromethane	ug/L	<0.50	50	50	28.4	28.1	57	56	40-128	1	20	
cis-1,2-Dichloroethene	ug/L	31.0	49.6	49.6	83.6	83.6	106	106	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.50	49.6	49.6	43.0	44.3	87	89	70-130	3	20	
Dibromochloromethane	ug/L	<0.50	49.6	49.6	52.6	51.5	106	104	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	34.9	33.2	70	66	20-146	5	20	
Ethylbenzene	ug/L	<0.50	49.6	49.6	53.8	53.4	108	108	87-129	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	49.6	49.6	56.7	56.0	114	113	70-130	1	20	
m&p-Xylene	ug/L	<1.0	99.2	99.2	106	107	107	108	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<0.17	49.6	49.6	45.4	46.0	91	93	66-143	1	20	
Methylene Chloride	ug/L	<0.23	49.6	49.6	44.9	43.2	91	87	70-130	4	20	
o-Xylene	ug/L	<0.50	49.6	49.6	54.2	54.0	109	109	70-130	0	20	
Styrene	ug/L	<0.50	49.6	49.6	50.0	49.3	101	99	70-130	1	20	
Tetrachloroethene	ug/L	215	49.6	49.6	271	268	114	107	70-130	1	20	
Toluene	ug/L	<0.50	49.6	49.6	48.6	49.8	98	100	82-131	2	20	
trans-1,2-Dichloroethene	ug/L	0.41J	49.6	49.6	48.0	49.1	96	98	75-135	2	20	
trans-1,3-Dichloropropene	ug/L	<0.23	49.6	49.6	43.3	40.7	87	82	70-130	6	20	
Trichloroethene	ug/L	11.7	49.6	49.6	68.8	65.4	115	108	70-130	5	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	56.2	54.9	112	110	76-150	2	20	
Vinyl chloride	ug/L	<0.18	50	50	36.0	36.5	72	73	56-143	1	20	
Xylene (Total)	ug/L	<1.5	149	149	160	161	108	108	70-130	0	20	
4-Bromofluorobenzene (S)	%						103	101	61-130			
Dibromofluoromethane (S)	%						100	98	67-130			
Toluene-d8 (S)	%						95	98	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

QC Batch: 271614 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40159053011, 40159053012, 40159053013

METHOD BLANK: 1597002 Matrix: Water
Associated Lab Samples: 40159053011, 40159053012, 40159053013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/25/17 06:35	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/25/17 06:35	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/25/17 06:35	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/25/17 06:35	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/25/17 06:35	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/25/17 06:35	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/25/17 06:35	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/25/17 06:35	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/25/17 06:35	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/25/17 06:35	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/25/17 06:35	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/25/17 06:35	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/25/17 06:35	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/25/17 06:35	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/25/17 06:35	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/25/17 06:35	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/25/17 06:35	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/25/17 06:35	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/25/17 06:35	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/25/17 06:35	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/25/17 06:35	
2-Chlorotoluene	ug/L	<0.50	1.0	10/25/17 06:35	
4-Chlorotoluene	ug/L	<0.21	1.0	10/25/17 06:35	
Benzene	ug/L	<0.50	1.0	10/25/17 06:35	
Bromobenzene	ug/L	<0.23	1.0	10/25/17 06:35	
Bromochloromethane	ug/L	<0.34	1.0	10/25/17 06:35	
Bromodichloromethane	ug/L	<0.50	1.0	10/25/17 06:35	
Bromoform	ug/L	<0.50	1.0	10/25/17 06:35	
Bromomethane	ug/L	<2.4	5.0	10/25/17 06:35	
Carbon tetrachloride	ug/L	<0.50	1.0	10/25/17 06:35	
Chlorobenzene	ug/L	<0.50	1.0	10/25/17 06:35	
Chloroethane	ug/L	<0.37	1.0	10/25/17 06:35	
Chloroform	ug/L	<2.5	5.0	10/25/17 06:35	
Chloromethane	ug/L	<0.50	1.0	10/25/17 06:35	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/25/17 06:35	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/25/17 06:35	
Dibromochloromethane	ug/L	<0.50	1.0	10/25/17 06:35	
Dibromomethane	ug/L	<0.43	1.0	10/25/17 06:35	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/25/17 06:35	
Diisopropyl ether	ug/L	<0.50	1.0	10/25/17 06:35	
Ethylbenzene	ug/L	<0.50	1.0	10/25/17 06:35	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

METHOD BLANK: 1597002 Matrix: Water
Associated Lab Samples: 40159053011, 40159053012, 40159053013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/25/17 06:35	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/25/17 06:35	
m&p-Xylene	ug/L	<1.0	2.0	10/25/17 06:35	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/25/17 06:35	
Methylene Chloride	ug/L	<0.23	1.0	10/25/17 06:35	
n-Butylbenzene	ug/L	<0.50	1.0	10/25/17 06:35	
n-Propylbenzene	ug/L	<0.50	1.0	10/25/17 06:35	
Naphthalene	ug/L	<2.5	5.0	10/25/17 06:35	
o-Xylene	ug/L	<0.50	1.0	10/25/17 06:35	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/25/17 06:35	
sec-Butylbenzene	ug/L	<2.2	5.0	10/25/17 06:35	
Styrene	ug/L	<0.50	1.0	10/25/17 06:35	
tert-Butylbenzene	ug/L	<0.18	1.0	10/25/17 06:35	
Tetrachloroethene	ug/L	<0.50	1.0	10/25/17 06:35	
Toluene	ug/L	<0.50	1.0	10/25/17 06:35	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/25/17 06:35	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/25/17 06:35	
Trichloroethene	ug/L	<0.33	1.0	10/25/17 06:35	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/25/17 06:35	
Vinyl chloride	ug/L	<0.18	1.0	10/25/17 06:35	
Xylene (Total)	ug/L	<1.5	3.0	10/25/17 06:35	
4-Bromofluorobenzene (S)	%	87	61-130	10/25/17 06:35	
Dibromofluoromethane (S)	%	115	67-130	10/25/17 06:35	
Toluene-d8 (S)	%	99	70-130	10/25/17 06:35	

LABORATORY CONTROL SAMPLE: 1597003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	19.8	20.7	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	19.8	22.3	112	70-130	
1,1,2-Trichloroethane	ug/L	19.8	22.4	113	70-130	
1,1-Dichloroethane	ug/L	19.8	23.7	120	71-132	
1,1-Dichloroethene	ug/L	19.8	19.9	100	75-130	
1,2,4-Trichlorobenzene	ug/L	19.8	15.7	79	70-130	
1,2-Dibromo-3-chloropropane	ug/L	19.8	19.9	100	63-123	
1,2-Dibromoethane (EDB)	ug/L	19.8	21.3	107	70-130	
1,2-Dichlorobenzene	ug/L	19.8	20.1	101	70-130	
1,2-Dichloroethane	ug/L	19.8	23.4	118	70-131	
1,2-Dichloropropane	ug/L	19.8	21.3	107	80-120	
1,3-Dichlorobenzene	ug/L	19.8	18.6	94	70-130	
1,4-Dichlorobenzene	ug/L	19.8	21.4	108	70-130	
Benzene	ug/L	19.8	19.5	98	73-145	
Bromodichloromethane	ug/L	19.8	20.6	104	70-130	
Bromoform	ug/L	19.8	20.5	103	67-130	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

LABORATORY CONTROL SAMPLE: 1597003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	20	15.8	79	26-128	
Carbon tetrachloride	ug/L	19.8	21.3	108	70-133	
Chlorobenzene	ug/L	19.8	21.0	106	70-130	
Chloroethane	ug/L	20	21.9	110	58-120	
Chloroform	ug/L	19.8	21.6	109	80-121	
Chloromethane	ug/L	20	15.5	78	40-127	
cis-1,2-Dichloroethene	ug/L	19.8	19.1	97	70-130	
cis-1,3-Dichloropropene	ug/L	19.8	15.9	80	70-130	
Dibromochloromethane	ug/L	19.8	20.3	102	70-130	
Dichlorodifluoromethane	ug/L	20	16.0	80	20-135	
Ethylbenzene	ug/L	19.8	19.4	98	87-129	
Isopropylbenzene (Cumene)	ug/L	19.8	18.8	95	70-130	
m&p-Xylene	ug/L	39.7	40.7	103	70-130	
Methyl-tert-butyl ether	ug/L	19.8	21.5	108	66-143	
Methylene Chloride	ug/L	19.8	21.4	108	70-130	
o-Xylene	ug/L	19.8	18.5	93	70-130	
Styrene	ug/L	19.8	19.8	100	70-130	
Tetrachloroethene	ug/L	19.8	20.7	104	70-130	
Toluene	ug/L	19.8	20.2	102	82-130	
trans-1,2-Dichloroethene	ug/L	19.8	20.8	105	75-132	
trans-1,3-Dichloropropene	ug/L	19.8	16.3	82	70-130	
Trichloroethene	ug/L	19.8	20.0	101	70-130	
Trichlorofluoromethane	ug/L	20	27.1	135	76-133	L1
Vinyl chloride	ug/L	20	18.8	94	57-136	
Xylene (Total)	ug/L	59.5	59.3	100	70-130	
4-Bromofluorobenzene (S)	%			103	61-130	
Dibromofluoromethane (S)	%			108	67-130	
Toluene-d8 (S)	%			102	70-130	

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QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

QC Batch: 272865 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40159053011, 40159053012

METHOD BLANK: 1605404 Matrix: Water
Associated Lab Samples: 40159053011, 40159053012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<1.0	3.0	11/03/17 10:32	

LABORATORY CONTROL SAMPLE: 1605405

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.0	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1605406 1605407

Parameter	Units	40159360005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	45.0	100	100	155	160	110	115	90-110	3	15	M0

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QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

QC Batch: 506368 Analysis Method: SM 3500-Fe B
QC Batch Method: SM 3500-Fe B Analysis Description: 3500FE B Iron, Ferrous
Associated Lab Samples: 40159053011, 40159053012

METHOD BLANK: 2752372 Matrix: Water
Associated Lab Samples: 40159053011, 40159053012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.017	0.040	11/03/17 13:12	H6

LABORATORY CONTROL SAMPLE: 2752373

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	.5	0.54	109	90-110	H6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2752374 2752375

Parameter	Units	40159053011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	3.1	.5	.5	6.9	7.0	760	791	80-120	2	20	E,H6, M1

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QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

QC Batch: 507059 Analysis Method: SM 3500-Fe B
QC Batch Method: SM 3500-Fe B Analysis Description: 3500FE B Iron, Ferrous
Associated Lab Samples: 40159053012

METHOD BLANK: 2755931 Matrix: Water
Associated Lab Samples: 40159053012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.017	0.040	11/07/17 12:52	H6

LABORATORY CONTROL SAMPLE: 2755932

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	.5	0.54	109	90-110	H6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2755933 2755934

Parameter	Units	40159053012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	15.4	50	50	64.6	64.4	98	98	80-120	0	20	H6

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QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

QC Batch: 271823 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 40159053011

METHOD BLANK: 1598210 Matrix: Water
Associated Lab Samples: 40159053011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.095	0.25	10/25/17 13:36	

LABORATORY CONTROL SAMPLE: 1598211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.4	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1598212 1598213

Parameter	Units	40159052001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.28	2.5	2.5	2.8	2.8	100	100	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1598214 1598215

Parameter	Units	40159053011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.095	2.5	2.5	2.4	2.4	94	94	90-110	0	20	

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QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

QC Batch: 272106 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 40159053012

METHOD BLANK: 1600276 Matrix: Water
Associated Lab Samples: 40159053012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.095	0.25	10/30/17 12:33	

LABORATORY CONTROL SAMPLE: 1600277

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1600278 1600279

Parameter	Units	40159058001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.095	2.5	2.5	2.5	2.4	96	96	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1600280 1600281

Parameter	Units	50182755002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	2.3	2.5	2.5	4.8	4.7	98	96	90-110	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

QC Batch: 271625 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 40159053011, 40159053012

METHOD BLANK: 1597044 Matrix: Water
Associated Lab Samples: 40159053011, 40159053012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.25	0.84	10/24/17 13:26	

LABORATORY CONTROL SAMPLE: 1597045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.5	2.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1597046 1597047

Parameter	Units	40158979004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	0.71J	1	1	1.7	1.7	101	100	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1597048 1597049

Parameter	Units	40158983001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	18.0	6	6	24.5	24.7	108	111	80-120	1	10	

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(920)469-2436

QUALIFIERS

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay
PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 21-41301A FORMER EXPRESS CLEAN
Pace Project No.: 40159053

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40159053011	**MW-3R**	EPA 8015B Modified	271768		
40159053012	**MW-8**	EPA 8015B Modified	271768		
40159053011	**MW-3R**	SM 3500-Fe B	506839		
40159053012	**MW-8**	SM 3500-Fe B	506839		
40159053011	**MW-3R**	EPA 3020	504433	EPA 6020A	505504
40159053012	**MW-8**	EPA 3020	504433	EPA 6020A	505504
40159053001	**MW-15**	EPA 8260	271412		
40159053002	**MW-13**	EPA 8260	271412		
40159053003	**MW-6**	EPA 8260	271412		
40159053004	**MW-12**	EPA 8260	271412		
40159053005	**MW-9**	EPA 8260	271412		
40159053006	**MW-9 DUP**	EPA 8260	271412		
40159053007	**PZ-1**	EPA 8260	271412		
40159053008	**MW-1**	EPA 8260	271412		
40159053009	**MW-1 DUP**	EPA 8260	271412		
40159053010	**MW-16**	EPA 8260	271412		
40159053011	**MW-3R**	EPA 8260	271614		
40159053012	**MW-8**	EPA 8260	271614		
40159053013	**TRIP BLANK**	EPA 8260	271614		
40159053011	**MW-3R**	EPA 300.0	272865		
40159053012	**MW-8**	EPA 300.0	272865		
40159053011	**MW-3R**	SM 3500-Fe B	506368		
40159053012	**MW-8**	SM 3500-Fe B	506368		
40159053012	**MW-8**	SM 3500-Fe B	507059		
40159053011	**MW-3R**	EPA 353.2	271823		
40159053012	**MW-8**	EPA 353.2	272106		
40159053011	**MW-3R**	SM 5310C	271625		
40159053012	**MW-8**	SM 5310C	271625		

Pace Analytical®
www.pacelabs.com

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

BM

4015953

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	Ramboll
Branch/Location:	Brookfield
Project Contact:	Scott Tarmann
Phone:	(262) 901-0093
Project Number:	21-41301A
Project Name:	Former Express Cleaners
Project State:	WI
Sampled By (Print):	Jonathan Fuqua
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	Scott Tarmann
Invoice To Company:	Ramboll
Invoice To Address:	175 N Corporate Dr Suite 160 Brookfield, WI 53045
Invoice To Phone:	(262) 901-0093

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	VOCs (8260)	Methane / Ethane / Ethene (8015)	Total Organic Carbon (SM 5310C)	Sulfate (300.0)	Nitrate + Nitrite (353.2)	Total Iron (6020)	Ferrous Iron (SM 3500)	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-15	10/17/17	1130	GW	N	B	X							3-40mL VB		
002	MW-13		1220		N	B	X									
003	MW-6		1305		N	C	X									
004	MW-12		1400		N	A	X									
005	MW-9		1445		N	C	X									
006	MW-9 DUP		1448		N	D	X									
007	PZ-1	10/18/17	0855		Y	B	X									
008	MW-1		1000				X									
009	MW-1 DUP		1003				X									
010	MW-16		1055				X									
011	MW-3R		1150				X	X	X	X	X	X	X	8-40mL VB, 2-40mL VB*	3-250mL HDPE AGD, 1-125mL HDPE C	
012	MW-8		1250				X	X	X	X	X	X	X			
013	TRIP BLANK						X									

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

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	10/19/17 11:35	Mary Tarmann	10/19/17 11:35
Mary Tarmann	10/19/17 1610		
CS Logistics	10/20/17 0930		

PACE Project No. 4015953

Receipt Temp = 6.2 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present
Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical™

Client Name: Ramball

Project # **WO# : 40159053**

40159053

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: CSLogistics

Tracking #:

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used IR4 **Type of Ice:** Wet Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0.0 /Corr: **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Person examining contents:
Date: 10/20/17
Initials: SSM

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

				Comments:
Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr): 8H 10/20/17	☒Yes	☒No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	7.
Sufficient Volume: SSM 10/20/2017	☒Yes	☐No	☐N/A	8. NO MS/MSD vol SSM 10/20/2017
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☒N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☒Yes	☐No	☐N/A	11.
Sample Labels match COC:	☒Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☒Yes	☐No	☐N/A	13. ☒ HNO3 ☒ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☒Yes	☐No	☐N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☒Yes	☐No		Initial when completed SSM / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	14.
Trip Blank Present:	☒Yes	☐No	☐N/A	15.
Trip Blank Custody Seals Present	☒Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): 387				

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

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 10/20/17

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

May 10, 2018

Scott Tarmann
Ramboll Environ
175 North Corporate Dr
Suite 160
Brookfield, WI 53045

RE: Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Dear Scott Tarmann:
Enclosed are the analytical results for sample(s) received by the laboratory on April 26, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Steven Mleczko
steve.mleczko@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #:MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970

Green Bay Certification IDs

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

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40168111001	**MW-15**	Water	04/24/18 12:05	04/26/18 14:15
40168111002	**MW-13**	Water	04/24/18 13:10	04/26/18 14:15
40168111003	**MW-6**	Water	04/24/18 14:05	04/26/18 14:15
40168111004	**MW-12**	Water	04/24/18 15:00	04/26/18 14:15
40168111005	**MW-9**	Water	04/24/18 15:50	04/26/18 14:15
40168111006	**MW-9 DUP**	Water	04/24/18 15:50	04/26/18 14:15
40168111007	**PZ-1**	Water	04/25/18 10:05	04/26/18 14:15
40168111008	**MW-1**	Water	04/25/18 11:05	04/26/18 14:15
40168111009	**MW-1 DUP**	Water	04/25/18 11:05	04/26/18 14:15
40168111010	**MW-16**	Water	04/25/18 12:10	04/26/18 14:15
40168111011	**MW-3R**	Water	04/25/18 13:30	04/26/18 14:15
40168111012	**MW-8**	Water	04/25/18 14:35	04/26/18 14:15
40168111013	**TRIP BLANK**	Water	04/25/18 00:00	04/26/18 14:15

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SAMPLE ANALYTE COUNT

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40168111001	**MW-15**	EPA 8260	MDS	65	PASI-G
40168111002	**MW-13**	EPA 8260	MDS	65	PASI-G
40168111003	**MW-6**	EPA 8260	MDS	65	PASI-G
40168111004	**MW-12**	EPA 8260	MDS	65	PASI-G
40168111005	**MW-9**	EPA 8260	MDS	65	PASI-G
40168111006	**MW-9 DUP**	EPA 8260	MDS	65	PASI-G
40168111007	**PZ-1**	EPA 8260	MDS	65	PASI-G
40168111008	**MW-1**	EPA 8260	MDS	65	PASI-G
40168111009	**MW-1 DUP**	EPA 8260	MDS	65	PASI-G
40168111010	**MW-16**	EPA 8260	MDS	65	PASI-G
40168111011	**MW-3R**	EPA 8015B Modified	ALD	3	PASI-G
		SM 3500-Fe B	RAM	1	PASI-M
		EPA 6020A	RJS	1	PASI-M
		EPA 8260	MDS	65	PASI-G
		EPA 300.0	HMB	1	PASI-G
		SM 3500-Fe B	DCL	1	PASI-M
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40168111012	**MW-8**	EPA 8015B Modified	ALD	3	PASI-G
		SM 3500-Fe B	RAM	1	PASI-M
		EPA 6020A	RJS	1	PASI-M
		EPA 8260	MDS	65	PASI-G
		EPA 300.0	HMB	1	PASI-G
		SM 3500-Fe B	DCL	1	PASI-M
		EPA 353.2	DAW	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40168111013	**TRIP BLANK**	EPA 8260	MDS	65	PASI-G

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40168111002	**MW-13**					
EPA 8260	cis-1,2-Dichloroethene	1.1	ug/L	1.0	04/27/18 16:40	
40168111003	**MW-6**					
EPA 8260	cis-1,2-Dichloroethene	1.3	ug/L	1.0	04/27/18 17:02	
EPA 8260	Tetrachloroethene	8.1	ug/L	1.0	04/27/18 17:02	
EPA 8260	Trichloroethene	2.6	ug/L	1.0	04/27/18 17:02	
40168111004	**MW-12**					
EPA 8260	cis-1,2-Dichloroethene	31.2	ug/L	1.0	04/27/18 17:23	
EPA 8260	trans-1,2-Dichloroethene	1.1	ug/L	1.0	04/27/18 17:23	
EPA 8260	Tetrachloroethene	20.2	ug/L	1.0	04/27/18 17:23	
EPA 8260	Trichloroethene	3.0	ug/L	1.0	04/27/18 17:23	
40168111005	**MW-9**					
EPA 8260	cis-1,2-Dichloroethene	32.4	ug/L	1.0	04/27/18 17:45	
EPA 8260	Tetrachloroethene	2.6	ug/L	1.0	04/27/18 17:45	
40168111006	**MW-9 DUP**					
EPA 8260	cis-1,2-Dichloroethene	36.0	ug/L	1.0	04/27/18 18:07	
EPA 8260	Tetrachloroethene	2.8	ug/L	1.0	04/27/18 18:07	
40168111007	**PZ-1**					
EPA 8260	Chloromethane	1.9	ug/L	1.0	04/27/18 18:28	
EPA 8260	Tetrachloroethene	0.57J	ug/L	1.0	04/27/18 18:28	
40168111008	**MW-1**					
EPA 8260	1,1-Dichloroethene	8.2	ug/L	2.0	04/27/18 19:11	
EPA 8260	cis-1,2-Dichloroethene	9730	ug/L	100	04/30/18 10:18	
EPA 8260	trans-1,2-Dichloroethene	147	ug/L	2.0	04/27/18 19:11	
EPA 8260	Tetrachloroethene	192	ug/L	2.0	04/27/18 19:11	
EPA 8260	Trichloroethene	42.2	ug/L	2.0	04/27/18 19:11	
EPA 8260	Vinyl chloride	127	ug/L	2.0	04/27/18 19:11	
40168111009	**MW-1 DUP**					
EPA 8260	Chloromethane	1.9J	ug/L	2.0	04/27/18 19:33	
EPA 8260	1,1-Dichloroethene	7.0	ug/L	2.0	04/27/18 19:33	
EPA 8260	cis-1,2-Dichloroethene	8990	ug/L	100	04/30/18 10:40	
EPA 8260	trans-1,2-Dichloroethene	147	ug/L	2.0	04/27/18 19:33	
EPA 8260	Tetrachloroethene	283	ug/L	2.0	04/27/18 19:33	
EPA 8260	Trichloroethene	55.9	ug/L	2.0	04/27/18 19:33	
EPA 8260	Vinyl chloride	108	ug/L	2.0	04/27/18 19:33	
40168111010	**MW-16**					
EPA 8260	Chloromethane	1.1	ug/L	1.0	04/27/18 18:50	
40168111011	**MW-3R**					
EPA 8015B Modified	Ethane	81.5	ug/L	5.6	05/01/18 08:27	
EPA 8015B Modified	Ethene	158	ug/L	5.0	05/01/18 08:27	
EPA 8015B Modified	Methane	5660	ug/L	70.0	05/01/18 08:48	
SM 3500-Fe B	Iron, Ferric	0.76	mg/L	0.050	05/07/18 17:16	N2
EPA 6020A	Iron	3410	ug/L	94.9	05/03/18 00:40	

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

SUMMARY OF DETECTION

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40168111011	**MW-3R**					
EPA 8260	cis-1,2-Dichloroethene	3850	ug/L	50.0	04/30/18 12:07	
EPA 8260	Vinyl chloride	48.5J	ug/L	50.0	04/27/18 19:55	
SM 3500-Fe B	Iron, Ferrous	2.6	mg/L	0.80	05/01/18 13:42	H6
SM 5310C	Total Organic Carbon	910	mg/L	504	05/03/18 02:19	
40168111012	**MW-8**					
EPA 8015B Modified	Ethene	3.1J	ug/L	5.0	05/01/18 08:34	
EPA 8015B Modified	Methane	3160	ug/L	56.0	05/01/18 08:55	M1
SM 3500-Fe B	Iron, Ferric	0.60	mg/L	0.050	05/08/18 16:30	N2
EPA 6020A	Iron	14200	ug/L	94.9	05/03/18 01:18	
EPA 8260	cis-1,2-Dichloroethene	761	ug/L	10.0	04/30/18 09:35	
EPA 8260	trans-1,2-Dichloroethene	15.3	ug/L	10.0	04/30/18 09:35	
EPA 8260	Vinyl chloride	2.3J	ug/L	10.0	04/30/18 09:35	
SM 3500-Fe B	Iron, Ferrous	13.6	mg/L	8.0	05/08/18 14:36	H6
SM 5310C	Total Organic Carbon	361	mg/L	252	05/03/18 09:17	

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

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-15 **Lab ID: 40168111001** Collected: 04/24/18 12:05 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 16:19	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/27/18 16:19	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/27/18 16:19	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 16:19	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		04/27/18 16:19	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/27/18 16:19	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/27/18 16:19	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/27/18 16:19	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/27/18 16:19	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/27/18 16:19	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/27/18 16:19	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/27/18 16:19	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/27/18 16:19	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/27/18 16:19	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		04/27/18 16:19	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/27/18 16:19	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/27/18 16:19	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/27/18 16:19	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/27/18 16:19	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/27/18 16:19	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 16:19	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 16:19	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		04/27/18 16:19	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/27/18 16:19	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/27/18 16:19	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/27/18 16:19	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 16:19	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-15 **Lab ID: 40168111001** Collected: 04/24/18 12:05 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/27/18 16:19	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 16:19	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 16:19	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/27/18 16:19	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		04/27/18 16:19	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 16:19	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/27/18 16:19	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/27/18 16:19	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		04/27/18 16:19	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		04/27/18 16:19	460-00-4	
Dibromofluoromethane (S)	108	%	67-130		1		04/27/18 16:19	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		04/27/18 16:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-13 **Lab ID: 40168111002** Collected: 04/24/18 13:10 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 16:40	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/27/18 16:40	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/27/18 16:40	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 16:40	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		04/27/18 16:40	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/27/18 16:40	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/27/18 16:40	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/27/18 16:40	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/27/18 16:40	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/27/18 16:40	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/27/18 16:40	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/27/18 16:40	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/27/18 16:40	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/27/18 16:40	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		04/27/18 16:40	75-35-4	
cis-1,2-Dichloroethene	**1.1**	ug/L	1.0	0.26	1		04/27/18 16:40	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/27/18 16:40	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/27/18 16:40	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/27/18 16:40	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/27/18 16:40	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 16:40	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 16:40	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		04/27/18 16:40	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/27/18 16:40	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/27/18 16:40	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/27/18 16:40	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 16:40	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-13 **Lab ID: 40168111002** Collected: 04/24/18 13:10 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/27/18 16:40	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 16:40	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 16:40	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/27/18 16:40	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		04/27/18 16:40	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 16:40	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/27/18 16:40	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/27/18 16:40	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		04/27/18 16:40	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 16:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		04/27/18 16:40	460-00-4	
Dibromofluoromethane (S)	112	%	67-130		1		04/27/18 16:40	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		04/27/18 16:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-6 **Lab ID: 40168111003** Collected: 04/24/18 14:05 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 17:02	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/27/18 17:02	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/27/18 17:02	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 17:02	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:02	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/27/18 17:02	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/27/18 17:02	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/27/18 17:02	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/27/18 17:02	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:02	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/27/18 17:02	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/27/18 17:02	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/27/18 17:02	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/27/18 17:02	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		04/27/18 17:02	75-35-4	
cis-1,2-Dichloroethene	**1.3**	ug/L	1.0	0.26	1		04/27/18 17:02	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/27/18 17:02	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/27/18 17:02	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/27/18 17:02	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/27/18 17:02	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 17:02	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 17:02	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		04/27/18 17:02	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/27/18 17:02	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/27/18 17:02	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/27/18 17:02	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:02	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-6 **Lab ID: 40168111003** Collected: 04/24/18 14:05 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/27/18 17:02	79-34-5	
Tetrachloroethene	**8.1**	ug/L	1.0	0.50	1		04/27/18 17:02	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 17:02	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 17:02	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/27/18 17:02	79-00-5	
Trichloroethene	**2.6**	ug/L	1.0	0.33	1		04/27/18 17:02	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:02	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:02	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/27/18 17:02	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		04/27/18 17:02	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		04/27/18 17:02	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		1		04/27/18 17:02	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/27/18 17:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-12 **Lab ID: 40168111004** Collected: 04/24/18 15:00 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 17:23	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/27/18 17:23	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/27/18 17:23	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 17:23	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:23	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/27/18 17:23	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/27/18 17:23	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/27/18 17:23	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/27/18 17:23	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:23	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/27/18 17:23	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/27/18 17:23	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/27/18 17:23	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/27/18 17:23	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		04/27/18 17:23	75-35-4	
cis-1,2-Dichloroethene	**31.2**	ug/L	1.0	0.26	1		04/27/18 17:23	156-59-2	
trans-1,2-Dichloroethene	**1.1**	ug/L	1.0	0.26	1		04/27/18 17:23	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/27/18 17:23	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/27/18 17:23	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/27/18 17:23	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 17:23	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 17:23	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		04/27/18 17:23	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/27/18 17:23	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/27/18 17:23	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/27/18 17:23	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:23	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-12 **Lab ID: 40168111004** Collected: 04/24/18 15:00 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/27/18 17:23	79-34-5	
Tetrachloroethene	**20.2**	ug/L	1.0	0.50	1		04/27/18 17:23	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 17:23	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 17:23	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/27/18 17:23	79-00-5	
Trichloroethene	**3.0**	ug/L	1.0	0.33	1		04/27/18 17:23	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:23	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:23	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/27/18 17:23	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		04/27/18 17:23	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		04/27/18 17:23	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		1		04/27/18 17:23	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		04/27/18 17:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-9 **Lab ID: 40168111005** Collected: 04/24/18 15:50 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 17:45	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/27/18 17:45	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/27/18 17:45	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 17:45	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:45	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/27/18 17:45	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/27/18 17:45	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/27/18 17:45	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/27/18 17:45	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:45	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/27/18 17:45	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/27/18 17:45	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/27/18 17:45	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/27/18 17:45	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		04/27/18 17:45	75-35-4	
cis-1,2-Dichloroethene	**32.4**	ug/L	1.0	0.26	1		04/27/18 17:45	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/27/18 17:45	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/27/18 17:45	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/27/18 17:45	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/27/18 17:45	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 17:45	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 17:45	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		04/27/18 17:45	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/27/18 17:45	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/27/18 17:45	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/27/18 17:45	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:45	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-9 **Lab ID: 40168111005** Collected: 04/24/18 15:50 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/27/18 17:45	79-34-5	
Tetrachloroethene	**2.6**	ug/L	1.0	0.50	1		04/27/18 17:45	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 17:45	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 17:45	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/27/18 17:45	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		04/27/18 17:45	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:45	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/27/18 17:45	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/27/18 17:45	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		04/27/18 17:45	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 17:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		04/27/18 17:45	460-00-4	
Dibromofluoromethane (S)	111	%	67-130		1		04/27/18 17:45	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/27/18 17:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-9 DUP **Lab ID: 40168111006** Collected: 04/24/18 15:50 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 18:07	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/27/18 18:07	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/27/18 18:07	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 18:07	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:07	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/27/18 18:07	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/27/18 18:07	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/27/18 18:07	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/27/18 18:07	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:07	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/27/18 18:07	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/27/18 18:07	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/27/18 18:07	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/27/18 18:07	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		04/27/18 18:07	75-35-4	
cis-1,2-Dichloroethene	**36.0**	ug/L	1.0	0.26	1		04/27/18 18:07	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/27/18 18:07	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/27/18 18:07	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/27/18 18:07	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/27/18 18:07	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 18:07	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 18:07	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		04/27/18 18:07	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/27/18 18:07	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/27/18 18:07	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/27/18 18:07	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:07	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-9 DUP **Lab ID: 40168111006** Collected: 04/24/18 15:50 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/27/18 18:07	79-34-5	
Tetrachloroethene	**2.8**	ug/L	1.0	0.50	1		04/27/18 18:07	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 18:07	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 18:07	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/27/18 18:07	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		04/27/18 18:07	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:07	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:07	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/27/18 18:07	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		04/27/18 18:07	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		04/27/18 18:07	460-00-4	
Dibromofluoromethane (S)	112	%	67-130		1		04/27/18 18:07	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		04/27/18 18:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: PZ-1 **Lab ID: 40168111007** Collected: 04/25/18 10:05 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 18:28	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/27/18 18:28	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/27/18 18:28	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 18:28	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:28	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/27/18 18:28	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/27/18 18:28	67-66-3	
Chloromethane	**1.9**	ug/L	1.0	0.50	1		04/27/18 18:28	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/27/18 18:28	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/27/18 18:28	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:28	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/27/18 18:28	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/27/18 18:28	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/27/18 18:28	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/27/18 18:28	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		04/27/18 18:28	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/27/18 18:28	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/27/18 18:28	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/27/18 18:28	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/27/18 18:28	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/27/18 18:28	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 18:28	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 18:28	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		04/27/18 18:28	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/27/18 18:28	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/27/18 18:28	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/27/18 18:28	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:28	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: PZ-1 **Lab ID: 40168111007** Collected: 04/25/18 10:05 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/27/18 18:28	79-34-5	
Tetrachloroethene	**0.57J**	ug/L	1.0	0.50	1		04/27/18 18:28	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 18:28	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 18:28	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/27/18 18:28	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		04/27/18 18:28	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:28	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:28	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/27/18 18:28	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		04/27/18 18:28	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		04/27/18 18:28	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		1		04/27/18 18:28	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/27/18 18:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-1 **Lab ID: 40168111008** Collected: 04/25/18 11:05 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	71-43-2	
Bromobenzene	**<0.46**	ug/L	2.0	0.46	2		04/27/18 19:11	108-86-1	
Bromochloromethane	**<0.68**	ug/L	2.0	0.68	2		04/27/18 19:11	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	75-27-4	
Bromoform	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	75-25-2	
Bromomethane	**<4.9**	ug/L	10.0	4.9	2		04/27/18 19:11	74-83-9	
n-Butylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	104-51-8	
sec-Butylbenzene	**<4.4**	ug/L	10.0	4.4	2		04/27/18 19:11	135-98-8	
tert-Butylbenzene	**<0.36**	ug/L	2.0	0.36	2		04/27/18 19:11	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	56-23-5	
Chlorobenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	108-90-7	
Chloroethane	**<0.75**	ug/L	2.0	0.75	2		04/27/18 19:11	75-00-3	
Chloroform	**<5.0**	ug/L	10.0	5.0	2		04/27/18 19:11	67-66-3	
Chloromethane	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	95-49-8	
4-Chlorotoluene	**<0.43**	ug/L	2.0	0.43	2		04/27/18 19:11	106-43-4	
1,2-Dibromo-3-chloropropane	**<4.3**	ug/L	10.0	4.3	2		04/27/18 19:11	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	124-48-1	
1,2-Dibromoethane (EDB)	**<0.36**	ug/L	2.0	0.36	2		04/27/18 19:11	106-93-4	
Dibromomethane	**<0.85**	ug/L	2.0	0.85	2		04/27/18 19:11	74-95-3	
1,2-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	106-46-7	
Dichlorodifluoromethane	**<0.45**	ug/L	2.0	0.45	2		04/27/18 19:11	75-71-8	
1,1-Dichloroethane	**<0.48**	ug/L	2.0	0.48	2		04/27/18 19:11	75-34-3	
1,2-Dichloroethane	**<0.34**	ug/L	2.0	0.34	2		04/27/18 19:11	107-06-2	
1,1-Dichloroethene	**8.2**	ug/L	2.0	0.82	2		04/27/18 19:11	75-35-4	
cis-1,2-Dichloroethene	**9730**	ug/L	100	25.6	100		04/30/18 10:18	156-59-2	
trans-1,2-Dichloroethene	**147**	ug/L	2.0	0.51	2		04/27/18 19:11	156-60-5	
1,2-Dichloropropane	**<0.47**	ug/L	2.0	0.47	2		04/27/18 19:11	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	142-28-9	
2,2-Dichloropropane	**<0.97**	ug/L	2.0	0.97	2		04/27/18 19:11	594-20-7	
1,1-Dichloropropene	**<0.88**	ug/L	2.0	0.88	2		04/27/18 19:11	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	10061-01-5	
trans-1,3-Dichloropropene	**<0.46**	ug/L	2.0	0.46	2		04/27/18 19:11	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	108-20-3	
Ethylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	100-41-4	
Hexachloro-1,3-butadiene	**<4.2**	ug/L	10.0	4.2	2		04/27/18 19:11	87-68-3	
Isopropylbenzene (Cumene)	**<0.29**	ug/L	2.0	0.29	2		04/27/18 19:11	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	99-87-6	
Methylene Chloride	**<0.47**	ug/L	2.0	0.47	2		04/27/18 19:11	75-09-2	
Methyl-tert-butyl ether	**<0.35**	ug/L	2.0	0.35	2		04/27/18 19:11	1634-04-4	
Naphthalene	**<5.0**	ug/L	10.0	5.0	2		04/27/18 19:11	91-20-3	
n-Propylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	103-65-1	
Styrene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	2.0	0.36	2		04/27/18 19:11	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-1 **Lab ID: 40168111008** Collected: 04/25/18 11:05 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	2.0	0.50	2		04/27/18 19:11	79-34-5	
Tetrachloroethene	**192**	ug/L	2.0	1.0	2		04/27/18 19:11	127-18-4	
Toluene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	108-88-3	
1,2,3-Trichlorobenzene	**<4.3**	ug/L	10.0	4.3	2		04/27/18 19:11	87-61-6	
1,2,4-Trichlorobenzene	**<4.4**	ug/L	10.0	4.4	2		04/27/18 19:11	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	71-55-6	
1,1,2-Trichloroethane	**<0.39**	ug/L	2.0	0.39	2		04/27/18 19:11	79-00-5	
Trichloroethene	**42.2**	ug/L	2.0	0.66	2		04/27/18 19:11	79-01-6	
Trichlorofluoromethane	**<0.37**	ug/L	2.0	0.37	2		04/27/18 19:11	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	108-67-8	
Vinyl chloride	**127**	ug/L	2.0	0.35	2		04/27/18 19:11	75-01-4	
Xylene (Total)	**<3.0**	ug/L	6.0	3.0	2		04/27/18 19:11	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	4.0	2.0	2		04/27/18 19:11	179601-23-1	
o-Xylene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		2		04/27/18 19:11	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		2		04/27/18 19:11	1868-53-7	
Toluene-d8 (S)	96	%	70-130		2		04/27/18 19:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-1 DUP **Lab ID: 40168111009** Collected: 04/25/18 11:05 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	71-43-2	
Bromobenzene	**<0.46**	ug/L	2.0	0.46	2		04/27/18 19:33	108-86-1	
Bromochloromethane	**<0.68**	ug/L	2.0	0.68	2		04/27/18 19:33	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	75-27-4	
Bromoform	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	75-25-2	
Bromomethane	**<4.9**	ug/L	10.0	4.9	2		04/27/18 19:33	74-83-9	
n-Butylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	104-51-8	
sec-Butylbenzene	**<4.4**	ug/L	10.0	4.4	2		04/27/18 19:33	135-98-8	
tert-Butylbenzene	**<0.36**	ug/L	2.0	0.36	2		04/27/18 19:33	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	56-23-5	
Chlorobenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	108-90-7	
Chloroethane	**<0.75**	ug/L	2.0	0.75	2		04/27/18 19:33	75-00-3	
Chloroform	**<5.0**	ug/L	10.0	5.0	2		04/27/18 19:33	67-66-3	
Chloromethane	**1.9J**	ug/L	2.0	1.0	2		04/27/18 19:33	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	95-49-8	
4-Chlorotoluene	**<0.43**	ug/L	2.0	0.43	2		04/27/18 19:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<4.3**	ug/L	10.0	4.3	2		04/27/18 19:33	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	124-48-1	
1,2-Dibromoethane (EDB)	**<0.36**	ug/L	2.0	0.36	2		04/27/18 19:33	106-93-4	
Dibromomethane	**<0.85**	ug/L	2.0	0.85	2		04/27/18 19:33	74-95-3	
1,2-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	106-46-7	
Dichlorodifluoromethane	**<0.45**	ug/L	2.0	0.45	2		04/27/18 19:33	75-71-8	
1,1-Dichloroethane	**<0.48**	ug/L	2.0	0.48	2		04/27/18 19:33	75-34-3	
1,2-Dichloroethane	**<0.34**	ug/L	2.0	0.34	2		04/27/18 19:33	107-06-2	
1,1-Dichloroethene	**7.0**	ug/L	2.0	0.82	2		04/27/18 19:33	75-35-4	
cis-1,2-Dichloroethene	**8990**	ug/L	100	25.6	100		04/30/18 10:40	156-59-2	
trans-1,2-Dichloroethene	**147**	ug/L	2.0	0.51	2		04/27/18 19:33	156-60-5	
1,2-Dichloropropane	**<0.47**	ug/L	2.0	0.47	2		04/27/18 19:33	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	142-28-9	
2,2-Dichloropropane	**<0.97**	ug/L	2.0	0.97	2		04/27/18 19:33	594-20-7	
1,1-Dichloropropene	**<0.88**	ug/L	2.0	0.88	2		04/27/18 19:33	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	10061-01-5	
trans-1,3-Dichloropropene	**<0.46**	ug/L	2.0	0.46	2		04/27/18 19:33	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	108-20-3	
Ethylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	100-41-4	
Hexachloro-1,3-butadiene	**<4.2**	ug/L	10.0	4.2	2		04/27/18 19:33	87-68-3	
Isopropylbenzene (Cumene)	**<0.29**	ug/L	2.0	0.29	2		04/27/18 19:33	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	99-87-6	
Methylene Chloride	**<0.47**	ug/L	2.0	0.47	2		04/27/18 19:33	75-09-2	
Methyl-tert-butyl ether	**<0.35**	ug/L	2.0	0.35	2		04/27/18 19:33	1634-04-4	
Naphthalene	**<5.0**	ug/L	10.0	5.0	2		04/27/18 19:33	91-20-3	
n-Propylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	103-65-1	
Styrene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	2.0	0.36	2		04/27/18 19:33	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-1 DUP **Lab ID: 40168111009** Collected: 04/25/18 11:05 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	2.0	0.50	2		04/27/18 19:33	79-34-5	
Tetrachloroethene	**283**	ug/L	2.0	1.0	2		04/27/18 19:33	127-18-4	
Toluene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	108-88-3	
1,2,3-Trichlorobenzene	**<4.3**	ug/L	10.0	4.3	2		04/27/18 19:33	87-61-6	
1,2,4-Trichlorobenzene	**<4.4**	ug/L	10.0	4.4	2		04/27/18 19:33	120-82-1	
1,1,1-Trichloroethane	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	71-55-6	
1,1,2-Trichloroethane	**<0.39**	ug/L	2.0	0.39	2		04/27/18 19:33	79-00-5	
Trichloroethene	**55.9**	ug/L	2.0	0.66	2		04/27/18 19:33	79-01-6	
Trichlorofluoromethane	**<0.37**	ug/L	2.0	0.37	2		04/27/18 19:33	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	108-67-8	
Vinyl chloride	**108**	ug/L	2.0	0.35	2		04/27/18 19:33	75-01-4	
Xylene (Total)	**<3.0**	ug/L	6.0	3.0	2		04/27/18 19:33	1330-20-7	
m&p-Xylene	**<2.0**	ug/L	4.0	2.0	2		04/27/18 19:33	179601-23-1	
o-Xylene	**<1.0**	ug/L	2.0	1.0	2		04/27/18 19:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		2		04/27/18 19:33	460-00-4	
Dibromofluoromethane (S)	111	%	67-130		2		04/27/18 19:33	1868-53-7	
Toluene-d8 (S)	96	%	70-130		2		04/27/18 19:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-16 **Lab ID: 40168111010** Collected: 04/25/18 12:10 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 18:50	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/27/18 18:50	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/27/18 18:50	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 18:50	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:50	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/27/18 18:50	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/27/18 18:50	67-66-3	
Chloromethane	**1.1**	ug/L	1.0	0.50	1		04/27/18 18:50	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/27/18 18:50	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/27/18 18:50	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:50	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/27/18 18:50	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/27/18 18:50	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/27/18 18:50	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/27/18 18:50	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		04/27/18 18:50	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/27/18 18:50	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/27/18 18:50	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/27/18 18:50	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/27/18 18:50	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/27/18 18:50	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 18:50	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 18:50	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		04/27/18 18:50	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/27/18 18:50	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/27/18 18:50	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/27/18 18:50	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:50	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-16 **Lab ID: 40168111010** Collected: 04/25/18 12:10 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/27/18 18:50	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 18:50	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 18:50	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/27/18 18:50	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		04/27/18 18:50	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:50	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/27/18 18:50	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/27/18 18:50	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		04/27/18 18:50	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 18:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		04/27/18 18:50	460-00-4	
Dibromofluoromethane (S)	114	%	67-130		1		04/27/18 18:50	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/27/18 18:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-3R **Lab ID: 40168111011** Collected: 04/25/18 13:30 Received: 04/26/18 14:15 Matrix: Water

Comments: • wrong vials sent for ferrous iron the correct one will come 5/1

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**81.5**	ug/L	5.6	0.58	1		05/01/18 08:27	74-84-0	
Ethene	**158**	ug/L	5.0	0.52	1		05/01/18 08:27	74-85-1	
Methane	**5660**	ug/L	70.0	34.2	25		05/01/18 08:48	74-82-8	
Iron, Ferric (Calculation)	Analytical Method: SM 3500-Fe B								
Iron, Ferric	**0.76**	mg/L	0.050		1		05/07/18 17:16	7439-89-6	N2
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3020								
Iron	**3410**	ug/L	94.9	28.5	5	04/30/18 17:00	05/03/18 00:40	7439-89-6	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	71-43-2	
Bromobenzene	**<11.5**	ug/L	50.0	11.5	50		04/27/18 19:55	108-86-1	
Bromochloromethane	**<17.0**	ug/L	50.0	17.0	50		04/27/18 19:55	74-97-5	
Bromodichloromethane	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	75-27-4	
Bromoform	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	75-25-2	
Bromomethane	**<122**	ug/L	250	122	50		04/27/18 19:55	74-83-9	
n-Butylbenzene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	104-51-8	
sec-Butylbenzene	**<109**	ug/L	250	109	50		04/27/18 19:55	135-98-8	
tert-Butylbenzene	**<9.0**	ug/L	50.0	9.0	50		04/27/18 19:55	98-06-6	
Carbon tetrachloride	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	56-23-5	
Chlorobenzene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	108-90-7	
Chloroethane	**<18.7**	ug/L	50.0	18.7	50		04/27/18 19:55	75-00-3	
Chloroform	**<125**	ug/L	250	125	50		04/27/18 19:55	67-66-3	
Chloromethane	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	74-87-3	
2-Chlorotoluene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	95-49-8	
4-Chlorotoluene	**<10.7**	ug/L	50.0	10.7	50		04/27/18 19:55	106-43-4	
1,2-Dibromo-3-chloropropane	**<108**	ug/L	250	108	50		04/27/18 19:55	96-12-8	
Dibromochloromethane	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	124-48-1	
1,2-Dibromoethane (EDB)	**<8.9**	ug/L	50.0	8.9	50		04/27/18 19:55	106-93-4	
Dibromomethane	**<21.3**	ug/L	50.0	21.3	50		04/27/18 19:55	74-95-3	
1,2-Dichlorobenzene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	95-50-1	
1,3-Dichlorobenzene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	541-73-1	
1,4-Dichlorobenzene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	106-46-7	
Dichlorodifluoromethane	**<11.2**	ug/L	50.0	11.2	50		04/27/18 19:55	75-71-8	
1,1-Dichloroethane	**<12.1**	ug/L	50.0	12.1	50		04/27/18 19:55	75-34-3	
1,2-Dichloroethane	**<8.4**	ug/L	50.0	8.4	50		04/27/18 19:55	107-06-2	
1,1-Dichloroethene	**<20.5**	ug/L	50.0	20.5	50		04/27/18 19:55	75-35-4	
cis-1,2-Dichloroethene	**3850**	ug/L	50.0	12.8	50		04/30/18 12:07	156-59-2	
trans-1,2-Dichloroethene	**<12.8**	ug/L	50.0	12.8	50		04/27/18 19:55	156-60-5	
1,2-Dichloropropane	**<11.7**	ug/L	50.0	11.7	50		04/27/18 19:55	78-87-5	
1,3-Dichloropropane	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	142-28-9	
2,2-Dichloropropane	**<24.2**	ug/L	50.0	24.2	50		04/27/18 19:55	594-20-7	
1,1-Dichloropropene	**<22.1**	ug/L	50.0	22.1	50		04/27/18 19:55	563-58-6	
cis-1,3-Dichloropropene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-3R **Lab ID: 40168111011** Collected: 04/25/18 13:30 Received: 04/26/18 14:15 Matrix: Water
Comments: • wrong vials sent for ferrous iron the correct one will come 5/1

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	**<11.5**	ug/L	50.0	11.5	50		04/27/18 19:55	10061-02-6	
Diisopropyl ether	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	108-20-3	
Ethylbenzene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	100-41-4	
Hexachloro-1,3-butadiene	**<105**	ug/L	250	105	50		04/27/18 19:55	87-68-3	
Isopropylbenzene (Cumene)	**<7.2**	ug/L	50.0	7.2	50		04/27/18 19:55	98-82-8	
p-Isopropyltoluene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	99-87-6	
Methylene Chloride	**<11.6**	ug/L	50.0	11.6	50		04/27/18 19:55	75-09-2	
Methyl-tert-butyl ether	**<8.7**	ug/L	50.0	8.7	50		04/27/18 19:55	1634-04-4	
Naphthalene	**<125**	ug/L	250	125	50		04/27/18 19:55	91-20-3	
n-Propylbenzene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	103-65-1	
Styrene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	100-42-5	
1,1,1,2-Tetrachloroethane	**<9.0**	ug/L	50.0	9.0	50		04/27/18 19:55	630-20-6	
1,1,2,2-Tetrachloroethane	**<12.5**	ug/L	50.0	12.5	50		04/27/18 19:55	79-34-5	
Tetrachloroethene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	127-18-4	
Toluene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	108-88-3	
1,2,3-Trichlorobenzene	**<107**	ug/L	250	107	50		04/27/18 19:55	87-61-6	
1,2,4-Trichlorobenzene	**<110**	ug/L	250	110	50		04/27/18 19:55	120-82-1	
1,1,1-Trichloroethane	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	71-55-6	
1,1,2-Trichloroethane	**<9.9**	ug/L	50.0	9.9	50		04/27/18 19:55	79-00-5	
Trichloroethene	**<16.5**	ug/L	50.0	16.5	50		04/27/18 19:55	79-01-6	
Trichlorofluoromethane	**<9.2**	ug/L	50.0	9.2	50		04/27/18 19:55	75-69-4	
1,2,3-Trichloropropane	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	96-18-4	
1,2,4-Trimethylbenzene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	108-67-8	
Vinyl chloride	**48.5J**	ug/L	50.0	8.8	50		04/27/18 19:55	75-01-4	
Xylene (Total)	**<75.0**	ug/L	150	75.0	50		04/27/18 19:55	1330-20-7	
m&p-Xylene	**<50.0**	ug/L	100	50.0	50		04/27/18 19:55	179601-23-1	
o-Xylene	**<25.0**	ug/L	50.0	25.0	50		04/27/18 19:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		50		04/27/18 19:55	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		50		04/27/18 19:55	1868-53-7	
Toluene-d8 (S)	98	%	70-130		50		04/27/18 19:55	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**<5.0**	mg/L	15.0	5.0	5		05/03/18 18:06	14808-79-8	D3
3500FE B Iron, Ferrous	Analytical Method: SM 3500-Fe B								
Iron, Ferrous	**2.6**	mg/L	0.80	0.17	10		05/01/18 13:42		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.095**	mg/L	0.25	0.095	1		05/08/18 12:41		
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**910**	mg/L	504	151	600		05/03/18 02:19	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-8 **Lab ID: 40168111012** Collected: 04/25/18 14:35 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**<11.5**	ug/L	112	11.5	20		05/01/18 08:55	74-84-0	
Ethene	**3.1J**	ug/L	5.0	0.52	1		05/01/18 08:34	74-85-1	
Methane	**3160**	ug/L	56.0	27.4	20		05/01/18 08:55	74-82-8	M1
Iron, Ferric (Calculation)	Analytical Method: SM 3500-Fe B								
Iron, Ferric	**0.60**	mg/L	0.050		1		05/08/18 16:30	7439-89-6	N2
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3020								
Iron	**14200**	ug/L	94.9	28.5	5	04/30/18 17:00	05/03/18 01:18	7439-89-6	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	71-43-2	
Bromobenzene	**<2.3**	ug/L	10.0	2.3	10		04/30/18 09:35	108-86-1	
Bromochloromethane	**<3.4**	ug/L	10.0	3.4	10		04/30/18 09:35	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		04/30/18 09:35	74-83-9	
n-Butylbenzene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	104-51-8	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		04/30/18 09:35	135-98-8	
tert-Butylbenzene	**<1.8**	ug/L	10.0	1.8	10		04/30/18 09:35	98-06-6	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		04/30/18 09:35	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		04/30/18 09:35	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	74-87-3	
2-Chlorotoluene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	95-49-8	
4-Chlorotoluene	**<2.1**	ug/L	10.0	2.1	10		04/30/18 09:35	106-43-4	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		04/30/18 09:35	96-12-8	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	124-48-1	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		04/30/18 09:35	106-93-4	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		04/30/18 09:35	74-95-3	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	95-50-1	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		04/30/18 09:35	75-71-8	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		04/30/18 09:35	75-34-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		04/30/18 09:35	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		04/30/18 09:35	75-35-4	
cis-1,2-Dichloroethene	**761**	ug/L	10.0	2.6	10		04/30/18 09:35	156-59-2	
trans-1,2-Dichloroethene	**15.3**	ug/L	10.0	2.6	10		04/30/18 09:35	156-60-5	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		04/30/18 09:35	78-87-5	
1,3-Dichloropropane	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	142-28-9	
2,2-Dichloropropane	**<4.8**	ug/L	10.0	4.8	10		04/30/18 09:35	594-20-7	
1,1-Dichloropropene	**<4.4**	ug/L	10.0	4.4	10		04/30/18 09:35	563-58-6	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	10061-01-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		04/30/18 09:35	10061-02-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: MW-8 **Lab ID: 40168111012** Collected: 04/25/18 14:35 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Diisopropyl ether	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	108-20-3	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		04/30/18 09:35	87-68-3	
Isopropylbenzene (Cumene)	**<1.4**	ug/L	10.0	1.4	10		04/30/18 09:35	98-82-8	
p-Isopropyltoluene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	99-87-6	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		04/30/18 09:35	75-09-2	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		04/30/18 09:35	1634-04-4	
Naphthalene	**<25.0**	ug/L	50.0	25.0	10		04/30/18 09:35	91-20-3	
n-Propylbenzene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	103-65-1	
Styrene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	10.0	1.8	10		04/30/18 09:35	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		04/30/18 09:35	79-34-5	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	127-18-4	
Toluene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	108-88-3	
1,2,3-Trichlorobenzene	**<21.3**	ug/L	50.0	21.3	10		04/30/18 09:35	87-61-6	
1,2,4-Trichlorobenzene	**<22.1**	ug/L	50.0	22.1	10		04/30/18 09:35	120-82-1	
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	71-55-6	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		04/30/18 09:35	79-00-5	
Trichloroethene	**<3.3**	ug/L	10.0	3.3	10		04/30/18 09:35	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		04/30/18 09:35	75-69-4	
1,2,3-Trichloropropane	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	96-18-4	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	95-63-6	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	108-67-8	
Vinyl chloride	**2.3J**	ug/L	10.0	1.8	10		04/30/18 09:35	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		04/30/18 09:35	1330-20-7	
m&p-Xylene	**<10.0**	ug/L	20.0	10.0	10		04/30/18 09:35	179601-23-1	
o-Xylene	**<5.0**	ug/L	10.0	5.0	10		04/30/18 09:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		10		04/30/18 09:35	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		10		04/30/18 09:35	1868-53-7	
Toluene-d8 (S)	97	%	70-130		10		04/30/18 09:35	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**<5.0**	mg/L	15.0	5.0	5		05/03/18 18:58	14808-79-8	D3
3500FE B Iron, Ferrous	Analytical Method: SM 3500-Fe B								
Iron, Ferrous	**13.6**	mg/L	8.0	2.1	100		05/08/18 14:36		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**<0.095**	mg/L	0.25	0.095	1		05/08/18 12:42		
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**361**	mg/L	252	75.6	300		05/03/18 09:17	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: TRIP BLANK **Lab ID: 40168111013** Collected: 04/25/18 00:00 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 14:31	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/27/18 14:31	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/27/18 14:31	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 14:31	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		04/27/18 14:31	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/27/18 14:31	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/27/18 14:31	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/27/18 14:31	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/27/18 14:31	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/27/18 14:31	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/27/18 14:31	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/27/18 14:31	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/27/18 14:31	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/27/18 14:31	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		04/27/18 14:31	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/27/18 14:31	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/27/18 14:31	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/27/18 14:31	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/27/18 14:31	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/27/18 14:31	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/27/18 14:31	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 14:31	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		04/27/18 14:31	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/27/18 14:31	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/27/18 14:31	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/27/18 14:31	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 14:31	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Sample: TRIP BLANK **Lab ID: 40168111013** Collected: 04/25/18 00:00 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/27/18 14:31	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/27/18 14:31	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/27/18 14:31	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/27/18 14:31	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		04/27/18 14:31	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/27/18 14:31	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/27/18 14:31	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/27/18 14:31	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		04/27/18 14:31	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		04/27/18 14:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		04/27/18 14:31	460-00-4	
Dibromofluoromethane (S)	112	%	67-130		1		04/27/18 14:31	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/27/18 14:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

QC Batch: 287456 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 40168111011, 40168111012

METHOD BLANK: 1681920 Matrix: Water
Associated Lab Samples: 40168111011, 40168111012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	05/01/18 08:06	
Ethene	ug/L	<0.52	5.0	05/01/18 08:06	
Methane	ug/L	<1.4	2.8	05/01/18 08:06	

LABORATORY CONTROL SAMPLE & LCSD: 1681921 1681922

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	57.3	56.3	107	105	80-120	2	20	
Ethene	ug/L	50	53.1	52.1	106	104	80-119	2	20	
Methane	ug/L	28.6	30.3	29.9	106	105	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682028 1682029

Parameter	Units	40168111012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<11.5	1070	1070	1130	1140	105	107	79-120	2	20	
Ethene	ug/L	3.1J	1000	1000	1050	1060	104	105	78-119	1	20	
Methane	ug/L	3160	571	571	4680	4900	265	304	10-200	5	20	M1

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

QC Batch: 534934 Analysis Method: EPA 6020A
QC Batch Method: EPA 3020 Analysis Description: 6020A Water UPD4
Associated Lab Samples: 40168111011, 40168111012

METHOD BLANK: 2906757 Matrix: Water
Associated Lab Samples: 40168111011, 40168111012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<5.7	19.0	05/02/18 23:14	

LABORATORY CONTROL SAMPLE: 2906758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	2180	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2906759 2906760

Parameter	Units	40168111011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	3410	2000	2000	5400	5340	100	96	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

QC Batch: 287197 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40168111001, 40168111002, 40168111003, 40168111004, 40168111005, 40168111006, 40168111007, 40168111008, 40168111009, 40168111010, 40168111011, 40168111012, 40168111013

METHOD BLANK: 1680012 Matrix: Water
Associated Lab Samples: 40168111001, 40168111002, 40168111003, 40168111004, 40168111005, 40168111006, 40168111007, 40168111008, 40168111009, 40168111010, 40168111011, 40168111012, 40168111013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	04/27/18 10:01	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	04/27/18 10:01	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	04/27/18 10:01	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	04/27/18 10:01	
1,1-Dichloroethane	ug/L	<0.24	1.0	04/27/18 10:01	
1,1-Dichloroethene	ug/L	<0.41	1.0	04/27/18 10:01	
1,1-Dichloropropene	ug/L	<0.44	1.0	04/27/18 10:01	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	04/27/18 10:01	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	04/27/18 10:01	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	04/27/18 10:01	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	04/27/18 10:01	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	04/27/18 10:01	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	04/27/18 10:01	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	04/27/18 10:01	
1,2-Dichloroethane	ug/L	<0.17	1.0	04/27/18 10:01	
1,2-Dichloropropane	ug/L	<0.23	1.0	04/27/18 10:01	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	04/27/18 10:01	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	04/27/18 10:01	
1,3-Dichloropropane	ug/L	<0.50	1.0	04/27/18 10:01	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	04/27/18 10:01	
2,2-Dichloropropane	ug/L	<0.48	1.0	04/27/18 10:01	
2-Chlorotoluene	ug/L	<0.50	1.0	04/27/18 10:01	
4-Chlorotoluene	ug/L	<0.21	1.0	04/27/18 10:01	
Benzene	ug/L	<0.50	1.0	04/27/18 10:01	
Bromobenzene	ug/L	<0.23	1.0	04/27/18 10:01	
Bromochloromethane	ug/L	<0.34	1.0	04/27/18 10:01	
Bromodichloromethane	ug/L	<0.50	1.0	04/27/18 10:01	
Bromoform	ug/L	<0.50	1.0	04/27/18 10:01	
Bromomethane	ug/L	<2.4	5.0	04/27/18 10:01	
Carbon tetrachloride	ug/L	<0.50	1.0	04/27/18 10:01	
Chlorobenzene	ug/L	<0.50	1.0	04/27/18 10:01	
Chloroethane	ug/L	<0.37	1.0	04/27/18 10:01	
Chloroform	ug/L	<2.5	5.0	04/27/18 10:01	
Chloromethane	ug/L	<0.50	1.0	04/27/18 10:01	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	04/27/18 10:01	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	04/27/18 10:01	
Dibromochloromethane	ug/L	<0.50	1.0	04/27/18 10:01	
Dibromomethane	ug/L	<0.43	1.0	04/27/18 10:01	
Dichlorodifluoromethane	ug/L	<0.22	1.0	04/27/18 10:01	
Diisopropyl ether	ug/L	<0.50	1.0	04/27/18 10:01	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

METHOD BLANK: 1680012 Matrix: Water

Associated Lab Samples: 40168111001, 40168111002, 40168111003, 40168111004, 40168111005, 40168111006, 40168111007, 40168111008, 40168111009, 40168111010, 40168111011, 40168111012, 40168111013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	04/27/18 10:01	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	04/27/18 10:01	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	04/27/18 10:01	
m&p-Xylene	ug/L	<1.0	2.0	04/27/18 10:01	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	04/27/18 10:01	
Methylene Chloride	ug/L	<0.23	1.0	04/27/18 10:01	
n-Butylbenzene	ug/L	<0.50	1.0	04/27/18 10:01	
n-Propylbenzene	ug/L	<0.50	1.0	04/27/18 10:01	
Naphthalene	ug/L	<2.5	5.0	04/27/18 10:01	
o-Xylene	ug/L	<0.50	1.0	04/27/18 10:01	
p-Isopropyltoluene	ug/L	<0.50	1.0	04/27/18 10:01	
sec-Butylbenzene	ug/L	<2.2	5.0	04/27/18 10:01	
Styrene	ug/L	<0.50	1.0	04/27/18 10:01	
tert-Butylbenzene	ug/L	<0.18	1.0	04/27/18 10:01	
Tetrachloroethene	ug/L	<0.50	1.0	04/27/18 10:01	
Toluene	ug/L	<0.50	1.0	04/27/18 10:01	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	04/27/18 10:01	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	04/27/18 10:01	
Trichloroethene	ug/L	<0.33	1.0	04/27/18 10:01	
Trichlorofluoromethane	ug/L	<0.18	1.0	04/27/18 10:01	
Vinyl chloride	ug/L	<0.18	1.0	04/27/18 10:01	
Xylene (Total)	ug/L	<1.5	3.0	04/27/18 10:01	
4-Bromofluorobenzene (S)	%	94	61-130	04/27/18 10:01	
Dibromofluoromethane (S)	%	105	67-130	04/27/18 10:01	
Toluene-d8 (S)	%	97	70-130	04/27/18 10:01	

LABORATORY CONTROL SAMPLE: 1680013

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.6	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	46.5	93	70-130	
1,1,2-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1-Dichloroethane	ug/L	50	54.4	109	71-132	
1,1-Dichloroethene	ug/L	50	53.9	108	75-130	
1,2,4-Trichlorobenzene	ug/L	50	43.6	87	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.9	88	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	50.2	100	70-130	
1,2-Dichlorobenzene	ug/L	50	47.4	95	70-130	
1,2-Dichloroethane	ug/L	50	54.2	108	70-131	
1,2-Dichloropropane	ug/L	50	55.0	110	80-120	
1,3-Dichlorobenzene	ug/L	50	48.0	96	70-130	
1,4-Dichlorobenzene	ug/L	50	48.7	97	70-130	
Benzene	ug/L	50	53.6	107	73-145	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

LABORATORY CONTROL SAMPLE: 1680013

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	50	54.4	109	70-130	
Bromoform	ug/L	50	46.7	93	67-130	
Bromomethane	ug/L	50	49.2	98	26-128	
Carbon tetrachloride	ug/L	50	56.3	113	70-133	
Chlorobenzene	ug/L	50	51.2	102	70-130	
Chloroethane	ug/L	50	51.0	102	58-120	
Chloroform	ug/L	50	54.6	109	80-121	
Chloromethane	ug/L	50	53.9	108	40-127	
cis-1,2-Dichloroethene	ug/L	50	49.7	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.3	95	70-130	
Dibromochloromethane	ug/L	50	50.7	101	70-130	
Dichlorodifluoromethane	ug/L	50	36.8	74	20-135	
Ethylbenzene	ug/L	50	54.8	110	87-129	
Isopropylbenzene (Cumene)	ug/L	50	54.3	109	70-130	
m&p-Xylene	ug/L	100	108	108	70-130	
Methyl-tert-butyl ether	ug/L	50	49.7	99	66-143	
Methylene Chloride	ug/L	50	49.4	99	70-130	
o-Xylene	ug/L	50	54.7	109	70-130	
Styrene	ug/L	50	55.7	111	70-130	
Tetrachloroethene	ug/L	50	47.9	96	70-130	
Toluene	ug/L	50	52.1	104	82-130	
trans-1,2-Dichloroethene	ug/L	50	51.3	103	75-132	
trans-1,3-Dichloropropene	ug/L	50	45.7	91	70-130	
Trichloroethene	ug/L	50	54.4	109	70-130	
Trichlorofluoromethane	ug/L	50	53.9	108	76-133	
Vinyl chloride	ug/L	50	45.6	91	57-136	
Xylene (Total)	ug/L	150	163	108	70-130	
4-Bromofluorobenzene (S)	%			104	61-130	
Dibromofluoromethane (S)	%			101	67-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1680097 1680098

Parameter	Units	40168111002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	57.4	58.1	115	116	70-134	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	50.3	52.6	101	105	70-130	4	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	52.3	51.0	105	102	70-130	3	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	55.3	57.4	111	115	71-133	4	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	56.7	55.5	113	111	75-136	2	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	47.4	49.1	95	98	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	48.3	53.0	97	106	63-123	9	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	51.3	50.6	103	101	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	50.8	51.7	102	103	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1680097 1680098

Parameter	Units	40168111002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	<0.17	50	50	57.5	57.5	115	115	70-131	0	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	57.4	57.8	115	116	80-120	1	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.1	51.3	100	103	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	52.4	52.8	105	106	70-130	1	20	
Benzene	ug/L	<0.50	50	50	56.4	57.2	113	114	73-145	1	20	
Bromodichloromethane	ug/L	<0.50	50	50	54.6	57.5	109	115	70-130	5	20	
Bromoform	ug/L	<0.50	50	50	46.8	47.7	94	95	67-130	2	20	
Bromomethane	ug/L	<2.4	50	50	53.6	56.8	107	114	26-129	6	20	
Carbon tetrachloride	ug/L	<0.50	50	50	58.0	59.3	116	119	70-134	2	20	
Chlorobenzene	ug/L	<0.50	50	50	51.8	51.0	104	102	70-130	2	20	
Chloroethane	ug/L	<0.37	50	50	52.4	53.1	105	106	58-120	1	20	
Chloroform	ug/L	<2.5	50	50	55.3	57.4	111	115	80-121	4	20	
Chloromethane	ug/L	<0.50	50	50	59.0	61.7	118	123	40-128	5	20	
cis-1,2-Dichloroethene	ug/L	1.1	50	50	50.4	52.2	99	102	70-130	4	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	48.9	50.0	98	100	70-130	2	20	
Dibromochloromethane	ug/L	<0.50	50	50	52.6	51.3	105	103	70-130	3	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	39.6	40.1	79	80	20-146	1	20	
Ethylbenzene	ug/L	<0.50	50	50	55.2	55.3	110	111	87-129	0	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	54.7	54.5	109	109	70-130	0	20	
m&p-Xylene	ug/L	<1.0	100	100	108	107	108	107	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	52.1	53.9	104	108	66-143	3	20	
Methylene Chloride	ug/L	<0.23	50	50	52.5	51.3	105	103	70-130	2	20	
o-Xylene	ug/L	<0.50	50	50	55.4	54.1	111	108	70-130	2	20	
Styrene	ug/L	<0.50	50	50	56.3	55.3	113	111	70-130	2	20	
Tetrachloroethene	ug/L	<0.50	50	50	48.2	46.5	96	93	70-130	4	20	
Toluene	ug/L	<0.50	50	50	52.1	52.1	104	104	82-131	0	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	53.8	54.4	108	109	75-135	1	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	46.9	47.9	94	96	70-130	2	20	
Trichloroethene	ug/L	<0.33	50	50	54.5	55.7	109	111	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	55.9	55.6	112	111	76-150	1	20	
Vinyl chloride	ug/L	<0.18	50	50	48.8	50.5	98	101	56-143	3	20	
Xylene (Total)	ug/L	<1.5	150	150	164	161	109	107	70-130	2	20	
4-Bromofluorobenzene (S)	%						101	101	61-130			
Dibromofluoromethane (S)	%						104	106	67-130			
Toluene-d8 (S)	%						96	94	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

QC Batch: 287522 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40168111011

METHOD BLANK: 1682168 Matrix: Water
Associated Lab Samples: 40168111011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<1.0	3.0	05/03/18 10:43	

LABORATORY CONTROL SAMPLE: 1682169

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.0	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682170 1682171

Parameter	Units	40168058007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	144	100	100	239	237	95	93	90-110	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682172 1682173

Parameter	Units	40168111011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	<5.0	100	100	109	110	107	108	90-110	1	15	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

QC Batch: 287557 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40168111012

METHOD BLANK: 1682337 Matrix: Water
Associated Lab Samples: 40168111012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<1.0	3.0	05/03/18 18:37	

LABORATORY CONTROL SAMPLE: 1682338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.0	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682339 1682340

Parameter	Units	40168111012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	<5.0	100	100	109	109	109	109	90-110	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682341 1682342

Parameter	Units	40168130001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	20.9	20	20	42.1	42.2	106	107	90-110	0	15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

QC Batch: 535090 Analysis Method: SM 3500-Fe B
QC Batch Method: SM 3500-Fe B Analysis Description: 3500FE B Iron, Ferrous
Associated Lab Samples: 40168111011, 40168111012

METHOD BLANK: 2907251 Matrix: Water
Associated Lab Samples: 40168111011, 40168111012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.017	0.080	05/01/18 13:19	H6

LABORATORY CONTROL SAMPLE: 2907252

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	.5	0.50	100	90-110	H6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2907253 2907254

Parameter	Units	40168111011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	2.6	5	5	7.9	7.7	105	101	80-120	2	20	H6

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

QC Batch: 536921 Analysis Method: SM 3500-Fe B
QC Batch Method: SM 3500-Fe B Analysis Description: 3500FE B Iron, Ferrous
Associated Lab Samples: 40168111012

METHOD BLANK: 2918814 Matrix: Water
Associated Lab Samples: 40168111012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	<0.021	0.080	05/08/18 14:35	H6

LABORATORY CONTROL SAMPLE: 2918815

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	.5	0.45	90	90-110	H6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2918816 2918817

Parameter	Units	40168111012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	13.6	50	50	59.6	59.7	92	92	80-120	0	20	H6

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

QC Batch: 288099 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 40168111011, 40168111012

METHOD BLANK: 1685762 Matrix: Water
Associated Lab Samples: 40168111011, 40168111012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.095	0.25	05/08/18 12:22	

LABORATORY CONTROL SAMPLE: 1685763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.4	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1685764 1685765

Parameter	Units	40168106009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	1.9	2.5	2.5	4.3	4.3	99	99	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1685766 1685767

Parameter	Units	40168308003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	11.9	12.5	12.5	24.2	24.1	98	97	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

QC Batch: 287479 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 40168111011, 40168111012

METHOD BLANK: 1682015 Matrix: Water
Associated Lab Samples: 40168111011, 40168111012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.25	0.84	05/02/18 10:42	

LABORATORY CONTROL SAMPLE: 1682016

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.5	2.4	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682017 1682018

Parameter	Units	10428976001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	2.0	1	1	3.1	3.1	112	115	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682019 1682020

Parameter	Units	40167995001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	10	6	6	16.2	16.3	103	105	80-120	1	10	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALIFIERS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay
PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168111

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40168111011	**MW-3R**	EPA 8015B Modified	287456		
40168111012	**MW-8**	EPA 8015B Modified	287456		
40168111011	**MW-3R**	SM 3500-Fe B	536710		
40168111012	**MW-8**	SM 3500-Fe B	536710		
40168111011	**MW-3R**	EPA 3020	534934	EPA 6020A	535671
40168111012	**MW-8**	EPA 3020	534934	EPA 6020A	535671
40168111001	**MW-15**	EPA 8260	287197		
40168111002	**MW-13**	EPA 8260	287197		
40168111003	**MW-6**	EPA 8260	287197		
40168111004	**MW-12**	EPA 8260	287197		
40168111005	**MW-9**	EPA 8260	287197		
40168111006	**MW-9 DUP**	EPA 8260	287197		
40168111007	**PZ-1**	EPA 8260	287197		
40168111008	**MW-1**	EPA 8260	287197		
40168111009	**MW-1 DUP**	EPA 8260	287197		
40168111010	**MW-16**	EPA 8260	287197		
40168111011	**MW-3R**	EPA 8260	287197		
40168111012	**MW-8**	EPA 8260	287197		
40168111013	**TRIP BLANK**	EPA 8260	287197		
40168111011	**MW-3R**	EPA 300.0	287522		
40168111012	**MW-8**	EPA 300.0	287557		
40168111011	**MW-3R**	SM 3500-Fe B	535090		
40168111012	**MW-8**	SM 3500-Fe B	535090		
40168111012	**MW-8**	SM 3500-Fe B	536921		
40168111011	**MW-3R**	EPA 353.2	288099		
40168111012	**MW-8**	EPA 353.2	288099		
40168111011	**MW-3R**	SM 5310C	287479		
40168111012	**MW-8**	SM 5310C	287479		

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

Page 1 of

40168111

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	Ramboll
Branch/Location:	Brookfield, WI
Project Contact:	Scott Tarmann
Phone:	262-901-0093
Project Number:	1690004905
Project Name:	Former Express Cleaners
Project State:	WI
Sampled By (Print):	Tyler Burgett
Sampled By (Sign):	Tyler Burgett
PO #:	
Regulatory Program:	

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

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

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

Matrix Codes

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested	FILTERED? (YES/NO) Y/N							
						PRESERVATION (CODE)* Pick Letter							
							N B	N B	N C	N A	N C	N D	Y B
							VOCs	Methane/Ethane/Ethene	TOC	Sulfate	Nitrate + Nitrite	Total Fe	Ferrous Fe
001	MW-15	4/24/18	1205	GW			X						
002	MW-13		1310				X						
003	MW-6		1405				X						
004	MW-12		1500				X						
005	MW-9		1550				X						
006	MW-9 DUP		1550				X						
007	P2-1	4/25/18	1005				X						
008	MW-1		1105				X						
009	MW-1 DUP		1105				X						
010	MW-16		1210				X						
011	MW-3R		1330				X	X	X	X	X	X	X
012	MW-8		1435				X	X	X	X	X	X	X
013	Trip Blank						X						

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Tyler Burgett	4/26/18 10:43	Mary Jannin	4/26/18 10:43
Mary Jannin	4/26/18 1250	Doree Pau	4/26/18 1250
Doree Pau	4/26/18 1415	Beamspace	4/26/18 1415

PACE Project No.: 40168111

Receipt Temp = 6.0 °C

Sample Receipt pH: OK / Adjusted

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

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

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

Sample Preservation Receipt Form

Client Name: Renmar

Project # 40168111

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

Lab Lot# of pH paper: 10w5477 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: PS Date/ Time:

	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																		3															2.5 / 5 / 10
002																		3															2.5 / 5 / 10
003																		3															2.5 / 5 / 10
004																		3															2.5 / 5 / 10
005																		3															2.5 / 5 / 10
006																		3															2.5 / 5 / 10
007																		3															2.5 / 5 / 10
008																		3															2.5 / 5 / 10
009																		3															2.5 / 5 / 10
010																		3										✓					2.5 / 5 / 10
011			1								1		1	1				8										✓			✓		2.5 / 5 / 10
012			1								1		1	1				8										✓			✓		2.5 / 5 / 10
013																		2															2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

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

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

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40168111

Client Name: Rumbol

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☑ Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used SR - N/A **Type of Ice:** Wet Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: RoR /Corr: _____

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

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

Person examining contents:
Date: 4/26/18
Initials: DS

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10. 012 - 1 vial empty SCM 4/26/18
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☐Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 4/27/18

APPENDIX B

WASTE CHARACTERIZATION ANALYTICAL REPORT

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

May 10, 2018

Scott Tarmann
Ramboll Environ
175 North Corporate Dr
Suite 160
Brookfield, WI 53045

RE: Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

Dear Scott Tarmann:
Enclosed are the analytical results for sample(s) received by the laboratory on April 26, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Steven Mleczko
steve.mleczko@pacelabs.com
(920)469-2436
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

Green Bay Certification IDs

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

Asheville Certification IDs

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40168113001	**SOIL DRUMS**	Solid	04/25/18 15:20	04/26/18 14:15
40168113002	**WATER DRUM**	Water	04/25/18 15:35	04/26/18 14:15
40168113003	**TRIP BLANK**	Solid	04/25/18 00:00	04/26/18 14:15

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Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40168113001	**SOIL DRUMS**	EPA 8260	SMT	65	PASI-G
		EPA 8260	LAP	13	PASI-G
		ASTM D2974-87	DXS	1	PASI-G
		EPA 9076	MJP	1	PASI-A
40168113002	**WATER DRUM**	EPA 8260	MDS	65	PASI-G
40168113003	**TRIP BLANK**	EPA 8260	SMT	65	PASI-G

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

SUMMARY OF DETECTION

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40168113001	**SOIL DRUMS**					
EPA 8260	cis-1,2-Dichloroethene	205	ug/kg	67.9	04/30/18 09:37	
EPA 8260	Tetrachloroethene	2940	ug/kg	67.9	04/30/18 09:37	
EPA 8260	Trichloroethene	163	ug/kg	67.9	04/30/18 09:37	
EPA 8260	Tetrachloroethene	62.3	ug/L	10.0	05/01/18 12:43	
EPA 8260	Trichloroethene	8.4J	ug/L	10.0	05/01/18 12:43	
ASTM D2974-87	Percent Moisture	11.7	%	0.10	05/09/18 19:49	
40168113002	**WATER DRUM**					
EPA 8260	Chloromethane	0.85J	ug/L	1.0	04/30/18 12:28	
EPA 8260	1,1-Dichloroethene	0.48J	ug/L	1.0	04/30/18 12:28	
EPA 8260	cis-1,2-Dichloroethene	537	ug/L	10.0	04/30/18 20:05	
EPA 8260	trans-1,2-Dichloroethene	6.0	ug/L	1.0	04/30/18 12:28	
EPA 8260	Tetrachloroethene	3.0	ug/L	1.0	04/30/18 12:28	
EPA 8260	Trichloroethene	0.86J	ug/L	1.0	04/30/18 12:28	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

Sample: SOIL DRUMS **Lab ID: 40168113001** Collected: 04/25/18 15:20 Received: 04/26/18 14:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	04/27/18 10:15	04/30/18 09:37	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	04/27/18 10:15	04/30/18 09:37	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	04/27/18 10:15	04/30/18 09:37	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	04/27/18 10:15	04/30/18 09:37	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	75-35-4	W
cis-1,2-Dichloroethene	**205**	ug/kg	67.9	28.3	1	04/27/18 10:15	04/30/18 09:37	156-59-2	
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	04/27/18 10:15	04/30/18 09:37	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

Sample: SOIL DRUMS **Lab ID: 40168113001** Collected: 04/25/18 15:20 Received: 04/26/18 14:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	79-34-5	W
Tetrachloroethene	**2940**	ug/kg	67.9	28.3	1	04/27/18 10:15	04/30/18 09:37	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	04/27/18 10:15	04/30/18 09:37	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	79-00-5	W
Trichloroethene	**163**	ug/kg	67.9	28.3	1	04/27/18 10:15	04/30/18 09:37	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	04/27/18 10:15	04/30/18 09:37	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/27/18 10:15	04/30/18 09:37	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/30/18 09:37	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	122	%	68-130		1	04/27/18 10:15	04/30/18 09:37	1868-53-7	
Toluene-d8 (S)	111	%	68-149		1	04/27/18 10:15	04/30/18 09:37	2037-26-5	
4-Bromofluorobenzene (S)	84	%	58-141		1	04/27/18 10:15	04/30/18 09:37	460-00-4	
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 04/30/18 14:04								
Benzene	**<5.0**	ug/L	10.0	5.0	10		05/01/18 12:43	71-43-2	
2-Butanone (MEK)	**<29.8**	ug/L	200	29.8	10		05/01/18 12:43	78-93-3	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		05/01/18 12:43	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/01/18 12:43	108-90-7	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		05/01/18 12:43	67-66-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		05/01/18 12:43	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		05/01/18 12:43	75-35-4	
Tetrachloroethene	**62.3**	ug/L	10.0	5.0	10		05/01/18 12:43	127-18-4	
Trichloroethene	**8.4J**	ug/L	10.0	3.3	10		05/01/18 12:43	79-01-6	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		05/01/18 12:43	75-01-4	
Surrogates									
Toluene-d8 (S)	99	%	70-130		10		05/01/18 12:43	2037-26-5	
4-Bromofluorobenzene (S)	89	%	61-130		10		05/01/18 12:43	460-00-4	
Dibromofluoromethane (S)	94	%	67-130		10		05/01/18 12:43	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.7**	%	0.10	0.10	1		05/09/18 19:49		
9076 Total Chlorine	Analytical Method: EPA 9076								
Chlorine, Total	**<0.010**	%	0.010	0.010	1		05/05/18 08:57	7782-50-5	N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

Sample: WATER DRUM **Lab ID: 40168113002** Collected: 04/25/18 15:35 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/30/18 12:28	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/30/18 12:28	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/30/18 12:28	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		04/30/18 12:28	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		04/30/18 12:28	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/30/18 12:28	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/30/18 12:28	67-66-3	
Chloromethane	**0.85J**	ug/L	1.0	0.50	1		04/30/18 12:28	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/30/18 12:28	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/30/18 12:28	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/30/18 12:28	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/30/18 12:28	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/30/18 12:28	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/30/18 12:28	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/30/18 12:28	107-06-2	
1,1-Dichloroethene	**0.48J**	ug/L	1.0	0.41	1		04/30/18 12:28	75-35-4	
cis-1,2-Dichloroethene	**537**	ug/L	10.0	2.6	10		04/30/18 20:05	156-59-2	
trans-1,2-Dichloroethene	**6.0**	ug/L	1.0	0.26	1		04/30/18 12:28	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/30/18 12:28	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/30/18 12:28	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/30/18 12:28	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/30/18 12:28	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/30/18 12:28	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		04/30/18 12:28	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/30/18 12:28	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/30/18 12:28	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/30/18 12:28	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/30/18 12:28	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

Sample: WATER DRUM **Lab ID: 40168113002** Collected: 04/25/18 15:35 Received: 04/26/18 14:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/30/18 12:28	79-34-5	
Tetrachloroethene	**3.0**	ug/L	1.0	0.50	1		04/30/18 12:28	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/30/18 12:28	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/30/18 12:28	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/30/18 12:28	79-00-5	
Trichloroethene	**0.86J**	ug/L	1.0	0.33	1		04/30/18 12:28	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/30/18 12:28	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/30/18 12:28	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		04/30/18 12:28	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		04/30/18 12:28	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		04/30/18 12:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		04/30/18 12:28	460-00-4	
Dibromofluoromethane (S)	113	%	67-130		1		04/30/18 12:28	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/30/18 12:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

Sample: TRIP BLANK **Lab ID: 40168113003** Collected: 04/25/18 00:00 Received: 04/26/18 14:15 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	04/27/18 10:15	04/27/18 21:55	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	04/27/18 10:15	04/27/18 21:55	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	04/27/18 10:15	04/27/18 21:55	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	04/27/18 10:15	04/27/18 21:55	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	04/27/18 10:15	04/27/18 21:55	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

Sample: TRIP BLANK **Lab ID: 40168113003** Collected: 04/25/18 00:00 Received: 04/26/18 14:15 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	04/27/18 10:15	04/27/18 21:55	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	04/27/18 10:15	04/27/18 21:55	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/27/18 10:15	04/27/18 21:55	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/27/18 10:15	04/27/18 21:55	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	68-130		1	04/27/18 10:15	04/27/18 21:55	1868-53-7	
Toluene-d8 (S)	95	%	68-149		1	04/27/18 10:15	04/27/18 21:55	2037-26-5	
4-Bromofluorobenzene (S)	82	%	58-141		1	04/27/18 10:15	04/27/18 21:55	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

QC Batch: 287275 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40168113001, 40168113003

METHOD BLANK: 1680608 Matrix: Solid
Associated Lab Samples: 40168113001, 40168113003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	04/27/18 17:47	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	04/27/18 17:47	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	04/27/18 17:47	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	04/27/18 17:47	
1,1-Dichloroethane	ug/kg	<17.6	50.0	04/27/18 17:47	
1,1-Dichloroethene	ug/kg	<17.6	50.0	04/27/18 17:47	
1,1-Dichloropropene	ug/kg	<14.0	50.0	04/27/18 17:47	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	04/27/18 17:47	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	04/27/18 17:47	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	04/27/18 17:47	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	04/27/18 17:47	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	04/27/18 17:47	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	04/27/18 17:47	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	04/27/18 17:47	
1,2-Dichloroethane	ug/kg	<15.0	50.0	04/27/18 17:47	
1,2-Dichloropropane	ug/kg	<16.8	50.0	04/27/18 17:47	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	04/27/18 17:47	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	04/27/18 17:47	
1,3-Dichloropropane	ug/kg	<12.0	50.0	04/27/18 17:47	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	04/27/18 17:47	
2,2-Dichloropropane	ug/kg	<12.6	50.0	04/27/18 17:47	
2-Chlorotoluene	ug/kg	<15.8	50.0	04/27/18 17:47	
4-Chlorotoluene	ug/kg	<13.0	50.0	04/27/18 17:47	
Benzene	ug/kg	<9.2	20.0	04/27/18 17:47	
Bromobenzene	ug/kg	<20.6	50.0	04/27/18 17:47	
Bromochloromethane	ug/kg	<21.4	50.0	04/27/18 17:47	
Bromodichloromethane	ug/kg	<9.8	50.0	04/27/18 17:47	
Bromoform	ug/kg	<19.8	50.0	04/27/18 17:47	
Bromomethane	ug/kg	<69.9	250	04/27/18 17:47	
Carbon tetrachloride	ug/kg	<12.1	50.0	04/27/18 17:47	
Chlorobenzene	ug/kg	<14.8	50.0	04/27/18 17:47	
Chloroethane	ug/kg	<67.0	250	04/27/18 17:47	
Chloroform	ug/kg	<46.4	250	04/27/18 17:47	
Chloromethane	ug/kg	<20.4	50.0	04/27/18 17:47	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	04/27/18 17:47	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	04/27/18 17:47	
Dibromochloromethane	ug/kg	<17.9	50.0	04/27/18 17:47	
Dibromomethane	ug/kg	<19.3	50.0	04/27/18 17:47	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	04/27/18 17:47	
Diisopropyl ether	ug/kg	<17.7	50.0	04/27/18 17:47	
Ethylbenzene	ug/kg	<12.4	50.0	04/27/18 17:47	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

METHOD BLANK: 1680608 Matrix: Solid
Associated Lab Samples: 40168113001, 40168113003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	42.9J	50.0	04/27/18 17:47	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	04/27/18 17:47	
m&p-Xylene	ug/kg	<34.4	100	04/27/18 17:47	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	04/27/18 17:47	
Methylene Chloride	ug/kg	<16.2	50.0	04/27/18 17:47	
n-Butylbenzene	ug/kg	13.1J	50.0	04/27/18 17:47	
n-Propylbenzene	ug/kg	<11.6	50.0	04/27/18 17:47	
Naphthalene	ug/kg	<40.0	250	04/27/18 17:47	
o-Xylene	ug/kg	<14.0	50.0	04/27/18 17:47	
p-Isopropyltoluene	ug/kg	<12.0	50.0	04/27/18 17:47	
sec-Butylbenzene	ug/kg	<11.9	50.0	04/27/18 17:47	
Styrene	ug/kg	<9.0	50.0	04/27/18 17:47	
tert-Butylbenzene	ug/kg	<9.5	50.0	04/27/18 17:47	
Tetrachloroethene	ug/kg	<12.9	50.0	04/27/18 17:47	
Toluene	ug/kg	<11.2	50.0	04/27/18 17:47	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	04/27/18 17:47	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	04/27/18 17:47	
Trichloroethene	ug/kg	<23.6	50.0	04/27/18 17:47	
Trichlorofluoromethane	ug/kg	<24.7	50.0	04/27/18 17:47	
Vinyl chloride	ug/kg	<21.1	50.0	04/27/18 17:47	
Xylene (Total)	ug/kg	<48.4	150	04/27/18 17:47	
4-Bromofluorobenzene (S)	%	84	58-141	04/27/18 17:47	
Dibromofluoromethane (S)	%	100	68-130	04/27/18 17:47	
Toluene-d8 (S)	%	101	68-149	04/27/18 17:47	

LABORATORY CONTROL SAMPLE: 1680609

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2450	98	61-122	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2460	99	73-130	
1,1,2-Trichloroethane	ug/kg	2500	2510	100	70-130	
1,1-Dichloroethane	ug/kg	2500	2430	97	63-124	
1,1-Dichloroethene	ug/kg	2500	2710	108	53-117	
1,2,4-Trichlorobenzene	ug/kg	2500	2210	88	78-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1980	79	49-140	
1,2-Dibromoethane (EDB)	ug/kg	2500	2620	105	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2650	106	70-130	
1,2-Dichloroethane	ug/kg	2500	2510	100	56-135	
1,2-Dichloropropane	ug/kg	2500	2490	99	77-122	
1,3-Dichlorobenzene	ug/kg	2500	2530	101	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2550	102	70-130	
Benzene	ug/kg	2500	2280	91	66-130	
Bromodichloromethane	ug/kg	2500	2490	100	62-135	
Bromoform	ug/kg	2500	2390	96	68-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

LABORATORY CONTROL SAMPLE: 1680609

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	2500	2170	87	29-137	
Carbon tetrachloride	ug/kg	2500	2530	101	57-130	
Chlorobenzene	ug/kg	2500	2770	111	70-130	
Chloroethane	ug/kg	2500	2880	115	36-144	
Chloroform	ug/kg	2500	2420	97	69-115	
Chloromethane	ug/kg	2500	1920	77	32-126	
cis-1,2-Dichloroethene	ug/kg	2500	2220	89	65-130	
cis-1,3-Dichloropropene	ug/kg	2500	2230	89	70-130	
Dibromochloromethane	ug/kg	2500	2630	105	70-130	
Dichlorodifluoromethane	ug/kg	2500	2050	82	10-99	
Ethylbenzene	ug/kg	2500	2360	94	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2290	92	70-130	
m&p-Xylene	ug/kg	5000	5120	102	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2210	88	63-134	
Methylene Chloride	ug/kg	2500	2190	88	56-123	
o-Xylene	ug/kg	2500	2350	94	70-130	
Styrene	ug/kg	2500	2430	97	70-130	
Tetrachloroethene	ug/kg	2500	2630	105	70-131	
Toluene	ug/kg	2500	2560	102	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2410	97	66-130	
trans-1,3-Dichloropropene	ug/kg	2500	2460	98	68-130	
Trichloroethene	ug/kg	2500	2540	102	70-130	
Trichlorofluoromethane	ug/kg	2500	2560	102	37-149	
Vinyl chloride	ug/kg	2500	2250	90	43-128	
Xylene (Total)	ug/kg	7500	7460	100	70-130	
4-Bromofluorobenzene (S)	%			91	58-141	
Dibromofluoromethane (S)	%			98	68-130	
Toluene-d8 (S)	%			101	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1680610 1680611

Parameter	Units	40168085002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1370	1370	1250	1210	91	88	57-123	3	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1370	1370	1360	1360	99	99	73-135	1	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1370	1370	1410	1390	103	101	70-130	1	20	
1,1-Dichloroethane	ug/kg	<25.0	1370	1370	1290	1270	94	93	63-124	1	20	
1,1-Dichloroethene	ug/kg	<25.0	1370	1370	1340	1250	98	91	48-117	7	23	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1370	1370	1350	1270	99	93	78-145	6	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1370	1370	1170	1160	86	84	38-168	2	22	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1370	1370	1420	1390	103	101	70-130	2	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1370	1370	1460	1460	106	107	70-130	0	20	
1,2-Dichloroethane	ug/kg	<25.0	1370	1370	1350	1340	98	98	56-145	0	20	
1,2-Dichloropropane	ug/kg	<25.0	1370	1370	1340	1330	98	97	77-123	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1680610 1680611

Parameter	Units	40168085002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichlorobenzene	ug/kg	<25.0	1370	1370	1360	1340	99	97	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1370	1370	1410	1400	103	102	70-130	0	20	
Benzene	ug/kg	<25.0	1370	1370	1190	1170	87	85	65-130	2	20	
Bromodichloromethane	ug/kg	<25.0	1370	1370	1330	1360	97	99	59-141	3	20	
Bromoform	ug/kg	<25.0	1370	1370	1270	1240	93	90	59-141	2	20	
Bromomethane	ug/kg	<69.9	1370	1370	1140	1120	83	82	28-139	2	20	
Carbon tetrachloride	ug/kg	<25.0	1370	1370	1240	1220	91	89	50-130	2	20	
Chlorobenzene	ug/kg	<25.0	1370	1370	1510	1480	110	108	70-130	2	20	
Chloroethane	ug/kg	<67.0	1370	1370	1450	1400	106	102	36-144	4	20	
Chloroform	ug/kg	<46.4	1370	1370	1290	1290	94	94	68-122	0	20	
Chloromethane	ug/kg	<25.0	1370	1370	828	806	60	59	30-126	3	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1370	1370	1180	1150	86	84	63-130	2	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1370	1370	1120	1100	82	80	70-130	2	20	
Dibromochloromethane	ug/kg	<25.0	1370	1370	1420	1370	104	100	66-136	3	20	
Dichlorodifluoromethane	ug/kg	<25.0	1370	1370	612	608	45	44	10-99	1	33	
Ethylbenzene	ug/kg	<25.0	1370	1370	1200	1190	87	87	80-122	1	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1370	1370	1130	1130	83	82	70-130	0	20	
m&p-Xylene	ug/kg	<50.0	2740	2740	2570	2640	94	96	70-130	3	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1370	1370	1190	1190	87	86	63-134	1	20	
Methylene Chloride	ug/kg	<25.0	1370	1370	1190	1160	86	85	56-127	2	20	
o-Xylene	ug/kg	<25.0	1370	1370	1210	1200	88	88	70-130	0	20	
Styrene	ug/kg	<25.0	1370	1370	1260	1230	92	89	70-130	3	20	
Tetrachloroethene	ug/kg	<25.0	1370	1370	1360	1350	99	98	70-131	1	20	
Toluene	ug/kg	<25.0	1370	1370	1350	1350	99	98	80-120	0	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1370	1370	1290	1240	94	90	60-130	4	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1370	1370	1290	1250	94	91	68-130	4	20	
Trichloroethene	ug/kg	<25.0	1370	1370	1330	1340	97	97	70-130	1	20	
Trichlorofluoromethane	ug/kg	<25.0	1370	1370	1160	1130	84	83	37-149	2	24	
Vinyl chloride	ug/kg	<25.0	1370	1370	989	964	72	70	39-128	3	20	
Xylene (Total)	ug/kg	<75.0	4120	4120	3780	3850	92	93	70-130	2	20	
4-Bromofluorobenzene (S)	%						97	96	58-141			
Dibromofluoromethane (S)	%						103	103	68-130			
Toluene-d8 (S)	%						110	108	68-149			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

QC Batch: 287463 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 40168113001

METHOD BLANK: 1681953 Matrix: Water
Associated Lab Samples: 40168113001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	<0.41	1.0	05/01/18 07:35	
1,2-Dichloroethane	ug/L	<0.17	1.0	05/01/18 07:35	
2-Butanone (MEK)	ug/L	<3.0	20.0	05/01/18 07:35	
Benzene	ug/L	<0.50	1.0	05/01/18 07:35	
Carbon tetrachloride	ug/L	<0.50	1.0	05/01/18 07:35	
Chlorobenzene	ug/L	<0.50	1.0	05/01/18 07:35	
Chloroform	ug/L	<2.5	5.0	05/01/18 07:35	
Tetrachloroethene	ug/L	<0.50	1.0	05/01/18 07:35	
Trichloroethene	ug/L	<0.33	1.0	05/01/18 07:35	
Vinyl chloride	ug/L	<0.18	1.0	05/01/18 07:35	
4-Bromofluorobenzene (S)	%	89	61-130	05/01/18 07:35	
Dibromofluoromethane (S)	%	96	67-130	05/01/18 07:35	
Toluene-d8 (S)	%	101	70-130	05/01/18 07:35	

METHOD BLANK: 1681539 Matrix: Solid
Associated Lab Samples: 40168113001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	<4.1	10.0	05/01/18 09:47	
1,2-Dichloroethane	ug/L	<1.7	10.0	05/01/18 09:47	
2-Butanone (MEK)	ug/L	<29.8	200	05/01/18 09:47	
Benzene	ug/L	<5.0	10.0	05/01/18 09:47	
Carbon tetrachloride	ug/L	<5.0	10.0	05/01/18 09:47	
Chlorobenzene	ug/L	<5.0	10.0	05/01/18 09:47	
Chloroform	ug/L	<25.0	50.0	05/01/18 09:47	
Tetrachloroethene	ug/L	<5.0	10.0	05/01/18 09:47	
Trichloroethene	ug/L	<3.3	10.0	05/01/18 09:47	
Vinyl chloride	ug/L	<1.8	10.0	05/01/18 09:47	
4-Bromofluorobenzene (S)	%	85	61-130	05/01/18 09:47	
Dibromofluoromethane (S)	%	93	67-130	05/01/18 09:47	
Toluene-d8 (S)	%	96	70-130	05/01/18 09:47	

LABORATORY CONTROL SAMPLE: 1681954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	50	52.3	105	75-130	
1,2-Dichloroethane	ug/L	50	52.9	106	70-131	
Benzene	ug/L	50	43.3	87	73-145	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

LABORATORY CONTROL SAMPLE: 1681954

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	58.1	116	70-133	
Chlorobenzene	ug/L	50	58.9	118	70-130	
Chloroform	ug/L	50	50.7	101	80-121	
Tetrachloroethene	ug/L	50	64.1	128	70-130	
Trichloroethene	ug/L	50	55.9	112	70-130	
Vinyl chloride	ug/L	50	36.0	72	57-136	
4-Bromofluorobenzene (S)	%			93	61-130	
Dibromofluoromethane (S)	%			91	67-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 1681967

Parameter	Units	40167908002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	<8.2	1000	1140	114	75-136	
1,2-Dichloroethane	ug/L	<3.4	1000	1030	103	70-131	
Benzene	ug/L	<10.0	1000	901	89	73-145	
Carbon tetrachloride	ug/L	<10.0	1000	1180	118	70-134	
Chlorobenzene	ug/L	<10.0	1000	1210	121	70-130	
Chloroform	ug/L	<50.0	1000	1040	104	80-121	
Tetrachloroethene	ug/L	<10.0	1000	1380	138	70-130	M1
Trichloroethene	ug/L	<6.6	1000	1120	112	70-130	
Vinyl chloride	ug/L	<3.5	1000	845	84	56-143	
4-Bromofluorobenzene (S)	%				97	61-130	
Dibromofluoromethane (S)	%				93	67-130	
Toluene-d8 (S)	%				101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1681968 1681969

Parameter	Units	40168112001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	<4.1	500	500	539	564	108	113	75-136	5	20	
1,2-Dichloroethane	ug/L	<1.7	500	500	518	540	104	108	70-131	4	20	
Benzene	ug/L	<5.0	500	500	445	466	89	93	73-145	5	20	
Carbon tetrachloride	ug/L	<5.0	500	500	562	602	112	120	70-134	7	20	
Chlorobenzene	ug/L	<5.0	500	500	587	612	117	122	70-130	4	20	
Chloroform	ug/L	<25.0	500	500	508	528	102	106	80-121	4	20	
Tetrachloroethene	ug/L	217	500	500	877	899	132	136	70-130	2	20	M1
Trichloroethene	ug/L	<3.3	500	500	563	583	113	117	70-130	3	20	
Vinyl chloride	ug/L	<1.8	500	500	381	402	76	80	56-143	5	20	
4-Bromofluorobenzene (S)	%						97	100	61-130			
Dibromofluoromethane (S)	%						93	93	67-130			
Toluene-d8 (S)	%						100	99	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

QC Batch: 287334 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40168113002

METHOD BLANK: 1681469 Matrix: Water
Associated Lab Samples: 40168113002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	04/30/18 09:11	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	04/30/18 09:11	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	04/30/18 09:11	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	04/30/18 09:11	
1,1-Dichloroethane	ug/L	<0.24	1.0	04/30/18 09:11	
1,1-Dichloroethene	ug/L	<0.41	1.0	04/30/18 09:11	
1,1-Dichloropropene	ug/L	<0.44	1.0	04/30/18 09:11	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	04/30/18 09:11	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	04/30/18 09:11	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	04/30/18 09:11	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	04/30/18 09:11	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	04/30/18 09:11	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	04/30/18 09:11	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	04/30/18 09:11	
1,2-Dichloroethane	ug/L	<0.17	1.0	04/30/18 09:11	
1,2-Dichloropropane	ug/L	<0.23	1.0	04/30/18 09:11	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	04/30/18 09:11	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	04/30/18 09:11	
1,3-Dichloropropane	ug/L	<0.50	1.0	04/30/18 09:11	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	04/30/18 09:11	
2,2-Dichloropropane	ug/L	<0.48	1.0	04/30/18 09:11	
2-Chlorotoluene	ug/L	<0.50	1.0	04/30/18 09:11	
4-Chlorotoluene	ug/L	<0.21	1.0	04/30/18 09:11	
Benzene	ug/L	<0.50	1.0	04/30/18 09:11	
Bromobenzene	ug/L	<0.23	1.0	04/30/18 09:11	
Bromochloromethane	ug/L	<0.34	1.0	04/30/18 09:11	
Bromodichloromethane	ug/L	<0.50	1.0	04/30/18 09:11	
Bromoform	ug/L	<0.50	1.0	04/30/18 09:11	
Bromomethane	ug/L	<2.4	5.0	04/30/18 09:11	
Carbon tetrachloride	ug/L	<0.50	1.0	04/30/18 09:11	
Chlorobenzene	ug/L	<0.50	1.0	04/30/18 09:11	
Chloroethane	ug/L	<0.37	1.0	04/30/18 09:11	
Chloroform	ug/L	<2.5	5.0	04/30/18 09:11	
Chloromethane	ug/L	<0.50	1.0	04/30/18 09:11	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	04/30/18 09:11	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	04/30/18 09:11	
Dibromochloromethane	ug/L	<0.50	1.0	04/30/18 09:11	
Dibromomethane	ug/L	<0.43	1.0	04/30/18 09:11	
Dichlorodifluoromethane	ug/L	<0.22	1.0	04/30/18 09:11	
Diisopropyl ether	ug/L	<0.50	1.0	04/30/18 09:11	
Ethylbenzene	ug/L	<0.50	1.0	04/30/18 09:11	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

METHOD BLANK: 1681469 Matrix: Water
Associated Lab Samples: 40168113002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	04/30/18 09:11	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	04/30/18 09:11	
m&p-Xylene	ug/L	<1.0	2.0	04/30/18 09:11	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	04/30/18 09:11	
Methylene Chloride	ug/L	<0.23	1.0	04/30/18 09:11	
n-Butylbenzene	ug/L	<0.50	1.0	04/30/18 09:11	
n-Propylbenzene	ug/L	<0.50	1.0	04/30/18 09:11	
Naphthalene	ug/L	<2.5	5.0	04/30/18 09:11	
o-Xylene	ug/L	<0.50	1.0	04/30/18 09:11	
p-Isopropyltoluene	ug/L	<0.50	1.0	04/30/18 09:11	
sec-Butylbenzene	ug/L	<2.2	5.0	04/30/18 09:11	
Styrene	ug/L	<0.50	1.0	04/30/18 09:11	
tert-Butylbenzene	ug/L	<0.18	1.0	04/30/18 09:11	
Tetrachloroethene	ug/L	<0.50	1.0	04/30/18 09:11	
Toluene	ug/L	<0.50	1.0	04/30/18 09:11	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	04/30/18 09:11	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	04/30/18 09:11	
Trichloroethene	ug/L	<0.33	1.0	04/30/18 09:11	
Trichlorofluoromethane	ug/L	<0.18	1.0	04/30/18 09:11	
Vinyl chloride	ug/L	<0.18	1.0	04/30/18 09:11	
Xylene (Total)	ug/L	<1.5	3.0	04/30/18 09:11	
4-Bromofluorobenzene (S)	%	94	61-130	04/30/18 09:11	
Dibromofluoromethane (S)	%	110	67-130	04/30/18 09:11	
Toluene-d8 (S)	%	97	70-130	04/30/18 09:11	

LABORATORY CONTROL SAMPLE: 1681470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	58.4	117	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.8	104	70-130	
1,1,2-Trichloroethane	ug/L	50	52.5	105	70-130	
1,1-Dichloroethane	ug/L	50	62.4	125	71-132	
1,1-Dichloroethene	ug/L	50	56.2	112	75-130	
1,2,4-Trichlorobenzene	ug/L	50	45.3	91	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	51.0	102	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	49.8	100	70-130	
1,2-Dichlorobenzene	ug/L	50	48.8	98	70-130	
1,2-Dichloroethane	ug/L	50	58.0	116	70-131	
1,2-Dichloropropane	ug/L	50	57.2	114	80-120	
1,3-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,4-Dichlorobenzene	ug/L	50	49.9	100	70-130	
Benzene	ug/L	50	57.6	115	73-145	
Bromodichloromethane	ug/L	50	55.7	111	70-130	
Bromoform	ug/L	50	49.2	98	67-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

LABORATORY CONTROL SAMPLE: 1681470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	47.6	95	26-128	
Carbon tetrachloride	ug/L	50	60.3	121	70-133	
Chlorobenzene	ug/L	50	50.4	101	70-130	
Chloroethane	ug/L	50	50.6	101	58-120	
Chloroform	ug/L	50	58.0	116	80-121	
Chloromethane	ug/L	50	51.2	102	40-127	
cis-1,2-Dichloroethene	ug/L	50	54.7	109	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.3	97	70-130	
Dibromochloromethane	ug/L	50	52.6	105	70-130	
Dichlorodifluoromethane	ug/L	50	37.2	74	20-135	
Ethylbenzene	ug/L	50	54.4	109	87-129	
Isopropylbenzene (Cumene)	ug/L	50	54.7	109	70-130	
m&p-Xylene	ug/L	100	108	108	70-130	
Methyl-tert-butyl ether	ug/L	50	52.0	104	66-143	
Methylene Chloride	ug/L	50	49.5	99	70-130	
o-Xylene	ug/L	50	54.9	110	70-130	
Styrene	ug/L	50	55.5	111	70-130	
Tetrachloroethene	ug/L	50	46.8	94	70-130	
Toluene	ug/L	50	51.5	103	82-130	
trans-1,2-Dichloroethene	ug/L	50	55.2	110	75-132	
trans-1,3-Dichloropropene	ug/L	50	42.8	86	70-130	
Trichloroethene	ug/L	50	56.3	113	70-130	
Trichlorofluoromethane	ug/L	50	55.8	112	76-133	
Vinyl chloride	ug/L	50	46.4	93	57-136	
Xylene (Total)	ug/L	150	163	109	70-130	
4-Bromofluorobenzene (S)	%			104	61-130	
Dibromofluoromethane (S)	%			109	67-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682129 1682130

Parameter	Units	40168233010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	57.8	59.8	116	120	70-134	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	52.1	52.7	104	105	70-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	53.9	52.1	108	104	70-130	3	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	55.3	59.1	111	118	71-133	7	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	56.8	59.3	114	119	75-136	4	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	47.5	47.5	95	95	70-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	52.4	52.6	105	105	63-123	0	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	53.5	51.4	107	103	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	48.9	49.4	98	99	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	58.9	60.9	118	122	70-131	3	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	58.7	60.3	117	121	80-120	3	20	M1

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682129 1682130

Parameter	Units	40168233010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.8	51.3	98	103	70-130	5	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	51.4	52.7	103	105	70-130	3	20	
Benzene	ug/L	<0.50	50	50	56.5	57.9	113	116	73-145	2	20	
Bromodichloromethane	ug/L	<0.50	50	50	56.7	58.3	113	117	70-130	3	20	
Bromoform	ug/L	<0.50	50	50	51.8	50.3	104	101	67-130	3	20	
Bromomethane	ug/L	<2.4	50	50	54.7	55.0	109	110	26-129	1	20	
Carbon tetrachloride	ug/L	<0.50	50	50	61.4	62.4	123	125	70-134	2	20	
Chlorobenzene	ug/L	<0.50	50	50	52.4	51.7	105	103	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	51.5	54.1	103	108	58-120	5	20	
Chloroform	ug/L	<2.5	50	50	56.6	57.2	113	114	80-121	1	20	
Chloromethane	ug/L	<0.50	50	50	56.3	59.4	113	119	40-128	5	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	50.6	49.4	101	99	70-130	3	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	50.6	51.9	101	104	70-130	3	20	
Dibromochloromethane	ug/L	<0.50	50	50	52.9	52.4	106	105	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	37.4	37.3	75	75	20-146	0	20	
Ethylbenzene	ug/L	<0.50	50	50	56.3	56.4	113	113	87-129	0	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	56.1	56.1	112	112	70-130	0	20	
m&p-Xylene	ug/L	<1.0	100	100	112	111	112	111	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	55.0	55.8	110	112	66-143	2	20	
Methylene Chloride	ug/L	<0.23	50	50	52.6	54.8	105	110	70-130	4	20	
o-Xylene	ug/L	<0.50	50	50	54.9	55.7	110	111	70-130	2	20	
Styrene	ug/L	<0.50	50	50	57.1	56.6	114	113	70-130	1	20	
Tetrachloroethene	ug/L	<0.50	50	50	49.1	47.9	98	96	70-130	2	20	
Toluene	ug/L	<0.50	50	50	52.9	52.6	106	105	82-131	0	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	55.2	55.2	110	110	75-135	0	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	48.4	47.0	97	94	70-130	3	20	
Trichloroethene	ug/L	<0.33	50	50	56.6	58.6	113	117	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	55.4	58.2	111	116	76-150	5	20	
Vinyl chloride	ug/L	<0.18	50	50	49.9	50.8	100	102	56-143	2	20	
Xylene (Total)	ug/L				167	167				0	20	
4-Bromofluorobenzene (S)	%						104	101	61-130			
Dibromofluoromethane (S)	%						107	108	67-130			
Toluene-d8 (S)	%						96	95	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

QC Batch: 288381
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40168113001

SAMPLE DUPLICATE: 1687789

Parameter	Units	40168303002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.5	16.2	2	10	

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.
W	Non-detect results are reported on a wet weight basis.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690004905 FORMER EXPRESS CLEA
Pace Project No.: 40168113

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40168113001	**SOIL DRUMS**	EPA 5035/5030B	287275	EPA 8260	287278
40168113003	**TRIP BLANK**	EPA 5035/5030B	287275	EPA 8260	287278
40168113001	**SOIL DRUMS**	EPA 8260	287463		
40168113002	**WATER DRUM**	EPA 8260	287334		
40168113001	**SOIL DRUMS**	ASTM D2974-87	288381		
40168113001	**SOIL DRUMS**	EPA 9076	409495		

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

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40168113

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	Ramboll
Branch/Location:	Brookfield, WI
Project Contact:	Scott Turmann
Phone:	262-901-0093
Project Number:	1690004905
Project Name:	Former Express Cleaners
Project State:	WI
Sampled By (Print):	Tyler Burgett
Sampled By (Sign):	Tyler Burgett
PO #:	Regulatory Program:

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

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

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

Matrix Codes

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested: VOCs (soil)	TVH-VOCs	% chlorine	VOCs (water)	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter	N	N	N	N			
001	Soil Drums	4/25/18	1520	S		E	X	X	X				
002	water Drum	4/25/18	1535	GW		A				X			
003	Trip Blank					A	X						

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Tyler Burgett	4/26/18 10:43	Mary Jansma	4/26/18 10:43
Mary Jansma	4/26/18 1250	Rose Pace	4/26/18 1250
Rose Pace	4/26/18 1415	RSewspace	4/26/18 1415
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.
40168113

Receipt Temp = [illegible] °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / ~~Not Present~~
Intact / ~~Not Intact~~

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

Sample Preservation Receipt Form

Client Name: Rennoll Project # 40168107

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

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

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																			1		6		1										2.5 / 5 / 10
002																		3															2.5 / 5 / 10
003																			1														2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
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012																																	2.5 / 5 / 10
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014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

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

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

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40168113

Client Name: Rumbol

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☑ Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - N/A **Type of Ice:** Wet Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: R0 /Corr:

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

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

Person examining contents:
Date: 4/26/18
Initials: BS

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12. Cool Tare weight covered on vial 4/26/18
-Includes date/time/ID/Analysis Matrix: SW		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 4/27/18